



**CITY OF SEWARD**  
**City Council**  
**Regular Meeting**  
**Agenda**

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**Tuesday, September 5, 2023**

**7:00 PM**

**Municipal Building Council Chambers**

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**NOTICE IS HEREBY GIVEN** that a meeting of the City Council of the City of Seward, Nebraska will be held at 7:00 PM on Tuesday, September 5, 2023, in the Council Chambers, 142 N 7th Street, Seward, Nebraska in which the meeting will be open to the public. The Mayor and City Council reserve the right to adjourn into Closed Session as per Section 84-1410 of the Nebraska Revised Statutes. An Agenda for such meeting, kept continually current, is available at the Office of the City Clerk, 537 Main Street, Seward, Nebraska, during normal business hours. Individuals requiring physical or sensory accommodations, who desire to attend or participate, please contact the City Clerk's Office at 402.643.2928 no later than 3:30 PM on the Friday preceding the Council Meeting.

City financial claims and related invoices will be available for Council member review, audit and voluntary signatures at the meeting location beginning 30 minutes prior to the scheduled meeting time.

**CALL TO ORDER**

**PLEDGE OF ALLEGIANCE**

**DISCLOSURE OF OPEN MEETINGS ACT & OTHER NOTIFICATIONS**

This is an Open Meeting of the Seward Nebraska Governing Body. The City of Seward abides by the Nebraska Open Meetings Act in conducting business. A copy of the Nebraska Open Meetings Act is displayed on the north wall of this meeting room facility as required. Disclosure of meeting recording processes is posted in the Meeting Room. A participant sign-in sheet is available for use by any Citizen addressing the Council. Presenters shall approach the podium, state their name & address for the Clerk's record and are asked to limit remarks to five minutes. All remarks shall be directed to the Mayor who shall determine by whom any appropriate response shall be made. The City of Seward reserves the right to adjust the order of items on this Agenda if necessary and may elect to take action on any of the items listed.

**ROLL CALL**

**CONSENT AGENDA**

1. Claims & Payables Reports

CLAIMS LIST

9-5-23

COUNCIL MEETING

Abbreviations: BE, Benefits; BU, Building Upkeep; CI, Capital Improvements; DO, Donations; EQ, Equipment; EX, Expense; FA, Fixed Asset; GS, Gas; GU, Ground Upkeep; IT, Technology; IV, Inventory; MA, Maintenance; MC, Miscellaneous; MH, Merchandise; MI, Mileage; ML, Meals; MS, Memberships; OI, Oil; OP, Operations; PO, Postage; PU, Publications; RE, Repairs; RI, Reimbursement; SA, Salaries, SE, Services; SL, Sales; ST, Sales Tax; SU, Supplies; TG, Training; TO, Tools; TR, Transfer; UN, Uniforms; UT, Utilities.

ADE	BU	62.50
Advanced Fire & Safety	BU	125.00
AKRS Equipment Inc	SU	553.41
Amazon Business	SU	1,109.24
Aqua-Chem Inc	MA	2,787.20
Bargmann Derek	RI	31.00
Beaver Hardware	SU	29.99
Bizco Technologies	IT	6,629.74
Black Diamond Auto Detail	SE	75.00
Black Hills Energy	UT	2,847.22
Blackburn Manufacturing C	SU	631.78
Blue Cross Blue Shield Ne	BE	62,945.63
Brase Joel	RI	15.00
Campbell Cleaning	SE	1,055.00
Capital Business-Dallas	MA	963.62
Capital Umpires Assoc	SE	238.00
Cash-Wa Distributing Co	SU	715.12
Chase Card Service		20,415.76
Amazon	SU	2,300.22
Boulder Blimp Co	SU	4,683.92
Canva	MS	119.99
Casey's	ML	103.15
Constant Contact	MS	23.00
Dragon Palace	ML	186.85
eBay	SU	913.70
Emergency Solutions	MS	166.57
Fast Mart	SE	12.00
Foreup	SE	499.80
The Fort	UN	-400.00
Holiday Inn - Kearney	TG	599.68
IALEFI	MS	55.00
The Lifeguard Store	EQ	392.32
McMaster-Carr	SU	603.19
Microsoft	MS	248.33
Poolweb.com	EQ	1,335.75
Runza	ML	303.78
Sam's Club	SU	1,435.03
Smart Sign	SU	163.53
Soccer Master Team	EQ	4,690.00

SpareTime Lounge	ML	148.01	
Spotify	MS	10.74	
Super Saver	SU	71.88	
Tracfone	SE	34.43	
ULine	GU	229.65	
USPS	PO	57.62	
Valentino's	ML	165.14	
Walmart	SU	1,177.68	
Zoom	MS	84.80	
City Seward Electric Fund	UT		56,589.95
City Seward Library Petty	PO		187.86
City Seward Payroll Accou	SA		204,070.22
Commonwealth Electric Co	MA		1,903.06
Constellation Newenergy	UT		34.16
Continental Fire/Alarm/De	BU		490.00
Eakes Office Solutions	SU		366.11
Fastenal Company	BU		720.62
Firstar Fiber Inc	SE		1,276.17
Galls LLC	UN		223.23
Gehring Construction	CI		160,507.72
Gerhold Concrete Co Inc	CI		23,083.58
Gilmore & Bell PC	SE		2,250.00
Great Plains Communicatio	SE		490.00
Harris John	SE		350.00
Hauder Alex	RI		16.00
Hawkins Inc	SU		1,523.89
Herpolsheimer'S Inc	RE		525.80
Hobson Automotive & Tire	RE		2,068.53
Hoffschneider Law PC LLO	SE		5,450.00
Hydraulic Equipment	RE		1,122.04
JEO Consulting Group	FA		28,085.00
Jones Bank	MC		517.42
K & Z Distributing	SU		303.60
Last Mile Network Consult	IT		150.60
Lee's Refrigeration	BU		178.91
Legband Amber	MC		30.00
Lincoln Winwater Works	CI		18,582.01
Lynn Peavey Co	SU		73.33
Mailand's Clothing	UN		24.00
Memorial Health-Drug	SE		228.00
Menards North	GU		121.69
Merle's Garden Center	SU		47.05
Mid-American Benefits Inc	BE		3,148.61
Mid-Iowa Solid Waste Equi	RE		604.10
Midwest Turf & Irrigation	RE		2,102.59
Miller & Associates	CI		2,152.50
Municipal Supply Omaha	IV		1,234.83
Nebraska D A S Acct Ocio	MA		245.00
Nebraska Dept Env/Energy	MS		35.00
Nebraska Door & Window	SU		404.71

Nebraska Golf & Turf	RE	2,394.62
Nebraska Health Lab	MA	212.00
Nextlink	SE	200.00
Norris Public Power Distr	UT	1,202.74
Northern Safety Co Inc	SU	127.79
Olson Brian	SE	145.00
O'Reilly Automotive Inc	SU	33.97
Principal Financial Group	BE	2,434.63
Quality Brands Of Lincoln	SU	2,177.44
Quill Corp	SU	964.62
Ramage Micah	SE	2,800.00
Rumery Lawn & Landscape	GU	33.76
Schemmer Architects Engin	CI	17,017.50
Short Elliott Hendrickson	CI	51,695.09
Sistek Andy	MC	30.00
Southeast Ne Dev District	MS	4,500.00
Southern Glazer's of NE	SU	1,643.28
Sparetime Lounge & Grill	ML	1,570.00
Sports Express	UN	420.49
State Distributing Co	SU	423.82
Suhr & Lichty Insurance A	MS	338.00
Summit Fire Protection	BU	212.00
Tag Ink & Thread	EQ	115.00
Time Warner/Spectrum	SE	809.23
TK Elevator Corp	MS	2,154.72
TRIMAX Mowing Systems	ER	199.72
U S Cellular	SE	207.65
Verizon Wireless	SE	431.69
White Cap	SU	355.06
	CLAIMS TOTAL	\$717,597.92

## 2. Seward County Chamber & Development Partnership Report

**PRESIDENT & CEO**

# QUARTERLY REPORT SUMMARY



**Prepared for SCCDP Members • August 2023**

- Supported three new childcare centers and one new preschool in Seward County applying for and receiving over \$2 million in childcare grant funding, which will facilitate their ability to serve approximately 200 children in the near future who currently don't have a local licensed childcare spot available to them.
- Coordinated Seward County Broadband Task Force advocacy efforts to support ALLO's applications for \$9.2 million in broadband funding, from 2023 Capital Projects Fund Grant Program through Nebraska Public Service Commission, to help improve fiber optic connectivity in eastern parts of the county currently unserved or underserved when it comes to Internet access and speed.
- Submitted proposal for Project Biscayne (equestrian events venue) for Seward I-80 Exit Site.
- Hosted site visits in Seward County for housing developer (May 19); Project Bean, which is a soybean R&D company (June 2); Project Value, which is a small data center company (June 8); Black Hills Energy staff (June 26); and Project Need, which is an ag manufacturing company (June 27).
- Attended Nebraska Community Foundation Fundraising Bootcamp (May 16) to learn how to support childcare facilities funding needs; Nebraska Economic Developers Association Annual Conference (May 17-19) and Nebraska Governor's Ag and Economic Development Summit (August 9) to network with professional colleagues across the state and learn best practices in the industry.
- Since the beginning of the gift card program in July 2022, SCCDP has sold \$72,709 in gift cards (2,172 individual cards). There are 50 participating businesses across Seward County.
- Marketing Seward County via various media channels including regular articles through local newspaper (Seward County Independent), weekly electronic newsletters (Blue River Buzz), nearly daily Facebook and Instagram posts, Talk Seward County podcast episodes, and various YouTube videos promoting workforce development and quality of life opportunities.
- The SCCDP hosted events including Ambassadors ribbon cuttings with Mercy City Church (May 23), First Street Flats Grand Opening (June 8), Sparetime Lounge & Grill Outdoor Courtyard (July 20), Beck's Hybrids Nebraska Field Show (August 3), and Today Counts Preschool (August 16). Also, SCCDP Ambassadors hosted Back to School Welcome Events at Concordia University (August 10) and Seward Public Schools (August 14). Coordinated Coffee & Contacts networking event at Neutral Grounds with Union Bank & Trust (June 28) and Senator Jana Hughes Open House at Seward Memorial Library (July 21). Graduated first SCCDP Rising Stars Leadership Program participants (June 21).
- Connected resources for LB 840, TIF, grants, and/or available building & land to various business owners and brokers including companies that want to start or expand small business to support global ministry in Seward, nonprofit organization to support first responders in Seward County, attorney's office in downtown Seward, music store in Seward, food bucks for farmer's market in Seward, animal feed warehouse in Seward, family fun center in Seward, solar farm in Seward County, small warehouse in Seward, concrete stamping business in Seward, and senior care facility in Utica.
- Continuing to work on Entrepreneurial Operating System (EOS – Vision/Traction Organizer) and 2023 Implementation Plan goals that our staff is implementing on a weekly basis to ensure SCCDP's multiple-year strategic plan is being executed.

**QUESTIONS OR FOLLOW UP?**

**CONTACT:**

**JONATHAN JANK**

**402-570-8020**

**THANK YOU TO OUR QUARTERLY REPORT  
SUMMARY SPONSORS!**



# MEET THE TEAM



## DIRECTOR OF MEMBERSHIP, HARRISON HELMER

The Director of Membership is responsible for working with their teammates, members, and community volunteers to accomplish the short and long-term goals of the Seward County Chamber & Development Partnership (SCCDP) related to maintaining current relationships with members while seeking new membership and sponsorship opportunities for the SCCDP. This position helps the President & CEO work to fulfill the Vision Statement 2035

## DIRECTOR OF MARKETING & STORYTELLING, JOANIE BRECKA

The Director of Marketing & Storytelling is responsible for working with their teammates, members, and community volunteers to accomplish the short and long-term goals of the Seward County Chamber & Development Partnership (SCCDP) related to marketing/communications. This position helps the President & CEO work to fulfill the Vision Statement 2035.



## DIRECTOR OF COMMUNITY AFFAIRS, JACOB JENNINGS

The Community Affairs Director is responsible for working with the Seward County Chamber & Development Partnership (SCCDP) President & CEO, members, and community volunteers to create strategies to strengthen Seward County's workforce and housing development activities and find solutions to relevant community issues. This position also leads SCCDP's legislative efforts including building relationships with elected officials and advocating for policies, regulations, and programs which benefit the Seward County business community. This position helps the President & CEO work to fulfill the Seward County Vision Statement 2035.

## EXECUTIVE ASSISTANT & EVENTS PLANNER, DONNA HENDRICKSON

The Events Planner & Executive Assistant is responsible for working with their teammates, members, and community volunteers to accomplish the short and long-term goals of the Seward County Chamber & Development Partnership (SCCDP) related to maintaining SCCDP's office systems and equipment, including ensuring bookkeeping and payroll are completed by an accounting contractor on a weekly basis, responding to general communications, planning/coordinating all SCCDP events, helping members and visitors feel welcome, and providing administrative support as needed. This position helps the President & CEO work to fulfill the Vision Statement 2035.



## PRESIDENT & CEO, JONATHAN JANK

The President & CEO is the chief executive officer of the Seward County Chamber & Development Partnership (SCCDP) and directs all activities necessary to meet the objectives and implement policy, as established by the Board of Directors. This executive position is accountable for the effective and efficient operation of all organizational activities of the SCCDP to move Seward County forward to fulfill the Vision Statement 2035. Reports to the SCCDP Board of Directors; responsible for leadership and development of professional staff members.



## SCCDP President & CEO's Report for the Board Meeting on August 21, 2023

### SCCDP Summary Development Highlights from Quarter 3 of 2023

- Supported three new childcare centers and one new preschool in Seward County applying for and receiving over \$2 million in childcare grant funding, which will facilitate their ability to serve approximately 200 children in the near future who currently don't have a local licensed childcare spot available to them.
- Coordinated Seward County Broadband Task Force advocacy efforts to support ALLO's applications for \$9.2 million in broadband funding, from 2023 Capital Projects Fund Grant Program through Nebraska Public Service Commission, to help improve fiber optic connectivity in eastern parts of the county currently unserved or underserved when it comes to Internet access and speed.
- Submitted proposal for Project Biscayne (equestrian events venue) for Seward I-80 Exit Site.
- Hosted site visits in Seward County for housing developer (May 19); Project Bean, which is a soybean R&D company (June 2); Project Value, which is a small data center company (June 8); Black Hills Energy staff (June 26); and Project Need, which is an ag manufacturing company (June 27).
- Attended Nebraska Community Foundation Fundraising Bootcamp (May 16) to learn how to support childcare facilities funding needs; Nebraska Economic Developers Association Annual Conference (May 17-19) and Nebraska Governor's Ag and Economic Development Summit (August 9) to network with professional colleagues across the state and learn best practices in the industry.
- Since the beginning of the gift card program in July 2022, SCCDP has sold \$72,709 in gift cards (2,172 individual cards). There are 50 participating businesses across Seward County.
- Marketing Seward County via various media channels including regular articles through local newspaper (Seward County Independent), weekly electronic newsletters (Blue River Buzz), nearly daily Facebook and Instagram posts, Talk Seward County podcast episodes, and various YouTube videos promoting workforce development and quality of life opportunities.
- The SCCDP hosted events including Ambassadors ribbon cuttings with Mercy City Church (May 23), First Street Flats Grand Opening (June 8), Sparetime Lounge & Grill Outdoor Courtyard (July 20), Beck's Hybrids Nebraska Field Show (August 3), and Today Counts Preschool (August 16). Also, SCCDP Ambassadors hosted Back to School Welcome Events at Concordia University (August 10) and Seward Public Schools (August 14). Coordinated Coffee & Contacts networking event at Neutral Grounds with Union Bank & Trust (June 28) and Senator Jana Hughes Open House at Seward Memorial Library (July 21). Graduated first SCCDP Rising Stars Leadership Program participants (June 21).
- Connected resources for LB 840, TIF, grants, and/or available building & land to various business owners and brokers including companies that want to start or expand small business to support global ministry in Seward, nonprofit organization to support first responders in Seward County, attorney's office in downtown Seward, music store in Seward, food trucks for farmer's market in Seward, animal feed warehouse in Seward, family fun center in Seward, solar farm in Seward County, small warehouse in Seward, concrete stamping business in Seward, and senior care facility in Utica.
- See below for example of Entrepreneurial Operating System (EOS – Vision/Traction Organizer) and 2023 Implementation Plan goals that our staff is implementing on a weekly basis to ensure SCCDP's multiple-year strategic plan is being executed.

### President & CEO Activities

- Finalized annual internal audit.
- Worked with summer marketing intern, Collin Hain from Wayne State College on various projects.

- Serving as landlord for SCCDP owned 1313 285<sup>th</sup> commercial building in Seward, which included signing new lease agreement with Little Cubs Daycare. Continuing to coordinate with contractors to clean up and repair building after June 14, 2022 hail storm.
- Featured and interviewed on multiple articles/podcast/video in Seward County Independent (Rural Workforce Housing Funds, Childcare in Seward County, and Project Move), Forbes Magazine (Lincoln Premium Poultry impact on Seward County), HomeNE Podcast (housing projects in Seward County), Alliance for the Future of Agriculture in Nebraska (Lincoln Premium Poultry impact on Seward County), University of Nebraska-Omaha (economic development in Seward County), and Nebraska Public Power District Newsletter (childcare in Seward County).
- Presented to Rotary Club of Seward (5/17, 8/2), Seward County Commissioners (Monthly Reports 6/6 and 8/1, and Annual Report 6/27), SCCDP Rising Stars Leadership Program Graduation (6/21), and Kiwanis Club of Seward (7/24).
- Responding to many individual requests for available rental properties in Seward County and trying to connect them with local landlords.
- Serving as Chairperson for Nebraska Economic Developers Association (NEDA) Scholarship Committee and member of NEDA Professional of the Year Committee to represent SCCDP and Seward County, Concordia University Ag Advisory Council, and Seward County Bridges Board of Directors.
- Working multiple economic development project business recruitment and expansion projects across Seward County (see notes above for proposal submission and site visits; see below for various meetings attended to coordinate project efforts).

#### Meetings/Events Attended

- Participated in regular Nebraska Chambers Association Bi-Weekly Zoom Meetings (Mondays)
- Nebraska Community Foundation Fundraising Bootcamp (5/16)
- Meeting with Kris Bousquet (5/16)
- Interview with Emily Hemphill about Rural Workforce Housing Fund (5/16), Childcare in Seward County (7/20), and Project Move (7/26)
- Meeting with Jake Vasa (5/16, 6/15)
- Meeting with Ray Ringlein (5/16)
- Interview with Chloe Sorvino from Forbes Magazine about Lincoln Premium Poultry (5/16)
- Nebraska Economic Developers Association Annual Conference (5/17-5/19)
- HomeNE Podcast practice and interview (5/17 and 5/18)
- Presentation to Rotary Club of Seward (5/17, 8/2)
- Meeting with Project Move Representatives (5/17, 5/19, 5/24, 6/5, 6/16, 7/25, 8/11)
- Meeting with Scott Rief (5/19)
- Seward County Bridges Board Meetings (5/22, 6/26, 8/7)
- Meeting with Tylor Jamison (5/22)
- Interview and meetings with Collin Hain, SCCDP Summer Marketing Intern from Wayne State College (5/23, 6/16, 6/26, 7/25, 8/21)
- SCCDP Ambassadors Ribbon Cuttings (Mercy City Church on 5/23, First Street Flats on 6/8, Sparetime Lounge & Grill on 7/20, Beck's Hybrids on 8/3, and Today Counts Preschool on 8/16)
- Meeting with representatives from Our Redeemer in Staplehurst to discuss new childcare center (5/23)
- Meeting with Todd Johnson and Marcus Gubanyi (5/25)
- Meeting with Kris Beckler-Kocian (5/25)

- Meeting with Southeast Nebraska Manufacturing Partners (5/25)
- Meeting with Jarvis Green (5/26)
- Meeting with Mike Oneby (5/26)
- Meeting with Matt Howe and Mary Berlie (5/26)
- SCCDP Office Closed for Memorial Day (5/29)
- Testimony at Geocharged Trial (5/30)
- Meeting with Stephanie Luebbe and Ben Benson (5/31)
- Meeting with Greg Butcher (5/31)
- Meeting with Jeanne Wiemer (5/31, 7/6, 8/2)
- Meeting with Jim Everts and Mitch Klintworth (5/31)
- Meeting with Clark Kolterman (5/31)
- Seward 4<sup>th</sup> of July Celebration Kick Off (5/31)
- Seward County First Impressions Working Group (6/1, 7/6, 8/3)
- Quarterly Goals Meeting with Laurie Sherman (6/1)
- Meeting with Josh Fields and Matt Dominy (6/1)
- Meeting with Milford Childhood Learning Center Board of Directors (6/1, 6/15)
- Site Visit with Project Bean (6/2)
- Meeting with Craig Bontrager (6/5, 7/20, 8/2)
- Quarterly Goals Meeting with Donna Hendrickson (6/5)
- Meeting with Jennifer Peters (6/5, 6/23)
- Presentation to Seward County Commissioners for Monthly Report (6/6, 8/1)
- Community Development Block Grant Training with Nebraska Department of Economic Development (6/6)
- Meeting with David Geidel (6/6)
- Meeting with Paul Duer and Lindsey Meyer (6/6)
- Meeting with Dennis Brink (6/6)
- Seward City Council Meeting (6/6, 6/20, 7/18)
- Meeting with Ed Koster (6/7)
- Quarterly Goals Meeting with Joanie Brecka (6/8)
- Site Visit with Project Value (6/8)
- Jonathan PTO (6/9, 6/12, 6/13, 6/14, 6/30 Half Day, 7/13, 7/14, 7/17, 7/18, 7/28)
- Meeting with Carlee Carter (6/15, 8/21)
- Seward 4<sup>th</sup> of July Committee Meeting (6/15, 8/17)
- Quarterly Goals Meeting with Jacob Jennings (6/19)
- Meeting with Centennial School Board (6/19)
- Quarterly Goals Meeting with Harrison Helmer (6/19)
- Meeting with Bobbi McVey-Blath (6/19, 8/8)
- Meeting with Chelsey Kosmicki (6/19, 8/11, 8/17)
- Seward Leaders Breakfast at CUNE (6/20)
- Seward County Commissioners Meeting About Industrial Tower Conditional Use Permit Hearing (6/20)
- Meeting with Skip Trowbridge (6/21)
- Presentation at SCCDP Rising Stars Leadership Program Graduation (6/21)
- Quarterly SCCDP Staff Fun (6/23)

- Site visit with Black Hills Energy staff (6/26)
- Meeting with Mario Leon and Kurth Brashear (6/26)
- Seward County Pre-Planning Commission Meeting (6/26)
- Seward County Planning Commission Meeting (6/26, 8/21)
- Site visit with Project Need (6/27)
- Meeting with Cory Pepper (6/27)
- SCCDP Annual Report to Seward County Commissioners (6/27)
- SCCDP Coffee & Contacts Networking Event at Neutral Grounds with Union Bank & Trust (6/28)
- Meeting with Laurie Sherman (6/28)
- Meeting with Riley Wiltfong (6/28)
- Seward 4<sup>th</sup> of July Celebration Committee Meeting about Parade Planning (6/28)
- Meeting with Josh Hanshaw (6/29)
- Meeting with Becky Freeman (7/3)
- SCCDP Office Closed for Independence Day (7/4)
- Served as Seward 4<sup>th</sup> of July Committee Parade Co-Chair (7/4)
- Meeting with Tony DeLong (7/5)
- Seward Wellness Center (Seward Changing the Game) Event (7/5)
- Meeting with Kelli Keib (7/5, 8/1)
- Milford City Council Meeting (7/5, 8/1)
- Meeting with Kellen Meyer (7/6, 8/16)
- Meeting with Taryn Horn and Seth Ford (7/6)
- Meeting with Marilyn Hladky (7/7)
- Interview with Rylee Stoltz (7/10)
- City of Seward Planning Commission Meeting (7/10, 8/14)
- Meeting with Melissa Trueblood (7/11)
- Meeting with Cindy Tederman (7/11, 7/21)
- Village of Garland Trustees Meeting (7/11)
- Village of Goehner Trustees Meeting (7/11)
- Meeting with Kelly Schrad (7/12)
- Seward County Broadband Task Force Meeting (7/12)
- SCCDP Personnel & Board Policies Working Group Meeting (7/12, 8/10)
- Meeting with Phil Hendrickson (7/19, 8/18)
- Meeting with Nick Becker (7/20)
- Meeting with Heidi Fleischman (7/20)
- Senator Jana Hughes Open House at Seward Memorial Library (7/21)
- Meeting with Nora Foote and Nick Poels (7/21)
- Meeting with Josh Kenney (7/21)
- Meeting with David Orrick (7/21)
- Presentation to Kiwanis Club of Seward (7/24)
- Meeting with Tyler Dishman (7/24)
- Meeting with Mark Wattier (7/24)
- Meeting with Alexa Axthelm-McNally (7/25)
- Meeting with Zac Hillis and Andrew Varrow (7/26)

- Meeting with Kaleigh Mueller Leick (7/26)
- Interview with Billy Coby (7/26)
- Meeting with Todd Johnson (7/26)
- Meeting with Scott Dinslage (7/27)
- SCCDP Internal Audit with David Kumm and Duane Miner (7/27)
- Volunteer for Utica Heritage Days Chicken Wings BBQ (7/30)
- Meeting with Rural Prosperity Nebraska (7/31)
- Meeting with Pam Finn (8/1)
- Meeting with Gail Brand (8/2)
- Meeting with Andrew Vinton (8/2)
- Meeting with Micah Daniels (8/3)
- SCCDP Retail/Restaurant Committee Meeting (8/3)
- Meeting with Bob Dahms (8/4)
- Meeting with Scott Miller (8/4)
- Meeting with Megan and Seth Boggs (8/4)
- SCCDP Executive Committee Meeting (8/7)
- Meeting with SCCDP, City of Seward, and Langworthy Trust Representatives (8/8)
- SCCDP Business & Government Affairs Working Group Meeting (8/8)
- Nebraska Governor's Ag and Economic Development Summit (8/9)
- Meeting with Chad Arens (8/9)
- SCCDP Ambassadors Back to School Welcome Events at Concordia University (8/10) and Seward Public Schools (8/14)
- Meeting with Misty Ahmic (8/10)
- SCCDP Finance Working Group Meeting (8/10)
- SCCDP Marketing, Membership, & Fundraising Working Group Meeting (8/10)
- Meeting with Greta Leach (8/11)
- Attended Open House at William Henry School of the Arts (8/12)
- Meeting with Steve Palandri (8/14)
- Meeting with Charly Spangler (8/14)
- Meeting with Jim Swanson, Misty Ahmic, Rachel Sommerer, and Tom Rief (8/14)
- Meeting with Jackie Noxon and Mike Luebbe (8/15)
- Meeting with Kim Clark (8/16)
- Meeting with Tim Dworak (8/17)
- Meeting with Megan Kahler (8/17)
- Meeting with Bob Homan (8/17)
- Meeting with Daniel Janke (8/17)
- Meeting with Riley Dawe (8/17)
- Meeting with Roxann O'Hare (8/18)
- Meeting with Lacey Koch and Jeanne Wiemer (8/18)
- Meeting with Josh Eickmeier and Greg Butcher (8/18)
- Volunteer at Tractor Pull at Milford Fun Days (8/19)
- Meeting with Matt Howe (8/21)
- SCCDP Quarterly Board Meeting (8/21)

## Summary of What Each Staff Member Does at the SCCDP

### Director of Marketing & Storytelling, Joanie Brecka

- The Marketing & Events Director is responsible for working with their teammates, members, and community volunteers to accomplish the short and long-term goals of the Seward County Chamber & Development Partnership (SCCDP) related to marketing/communications and all aspects of storytelling. This position helps the President & CEO work to fulfill the Vision Statement 2035.

### Director of Community Affairs, Jacob Jennings

- The Community Affairs Director is responsible for working with their teammates, members, and community volunteers to accomplish the short and long-term goals of the Seward County Chamber & Development Partnership (SCCDP) related to housing, workforce development, government affairs, and economic development activities. This position helps the President & CEO work to fulfill the Seward County Vision Statement 2035.

### Director of Membership, Harrison Helmer

- The Membership Director is responsible for working with their teammates, members, and community volunteers to accomplish the short and long-term goals of the Seward County Chamber & Development Partnership (SCCDP) related to maintaining current relationships with members while seeking new membership and sponsorship opportunities for the SCCDP. This position helps the President & CEO work to fulfill the Vision Statement 2035.

### Events Planner & Executive Assistant, Donna Hendrickson

- The Events Planner & Executive Assistant is responsible for working with their teammates, members, and community volunteers to accomplish the short and long-term goals of the Seward County Chamber & Development Partnership (SCCDP) related to maintaining SCCDP's office systems and equipment, including ensuring bookkeeping and payroll are completed by an accounting contractor on a weekly basis, responding to general communications, planning/coordinating all SCCDP events, helping members and visitors feel welcome, and providing administrative support as needed. This position helps the President & CEO work to fulfill the Vision Statement 2035.

### Seward County Bridges Executive Director, Laurie Sherman

- Seward County Bridges Executive Director is responsible for enacting the mission of Bridges and working with the Bridges Board of Directors. This is completed through a services agreement between SCCDP and Seward County Bridges.

### President & CEO, Jonathan Jank

- The President & CEO is the chief executive officer of the Seward County Chamber & Development Partnership (SCCDP) and directs all activities necessary to meet the objectives and implement policy, as established by the Board of Directors. This executive position is accountable for the effective and efficient operation of all organizational activities of the SCCDP to move Seward County forward to fulfill the Vision Statement 2035. Reports to the SCCDP Board of Directors; responsible for leadership and development of professional staff members.

## SCCDP's Vision/Traction Organizer

### Vision

Core Values: Integrity – Respect – Leadership – Giving/Philanthropy – Planning for our Future

SCCDP Mission Statement: As a public and private partnership, the Seward County Chamber & Development Partnership is the caretaker and steward of fulfilling the Seward County Vision Statement 2035, which is daily carried out through chamber of commerce and economic development work.

10-Year Target: 2035 Vision Statement: Seward County is a pro-active and collaborative area with vibrant, welcoming, family-friendly, and safe communities, recognized for pillars of strength in agriculture, arts and culture, business, education, entrepreneurship, government, and healthcare. We are a destination location for business, visitors, and residents within the greater metropolitan area and an active partner in the region. Our residents enjoy picturesque and diverse neighborhoods, viable main streets, outstanding recreational opportunities, active civic life, faith-based living, and quality housing and employment choices. The private and public sectors are united and citizens are engaged for the betterment of all Seward County.

### Traction

1-Year Plan: Future Date: 12/31/2023

Revenue: \$508,314.44

Profit: \$-18,643.27

Measurables: Executing on the 2023 Implementation Plan (see below)

### 2023 Implementation Plan

Strategic Directions Summary:

- 1. Leading long-term, progressive community change**
  - Housing
  - Broadband
  - Childcare / Early Childhood Development
- 2. Supporting a thriving community and economy**
  - Future workforce
  - Safety and mental health resources
  - Wellness Center
  - Business incubation
  - Commercial/industrial sites
- 3. Communicating a strong, positive brand for Seward County**
  - Community awareness of SCCDP
  - County unity

- Receiving recognition external to Seward County / telling our story

#### **4. Sustaining our mission**

- Membership growth
- Board development and diversity
- Staff development and longevity

#### 3<sup>rd</sup> Quarter

Revenue: \$63,952.85

Profit: -\$77,350.57

Measurables: Move all SMART goals forward

### **Director of Marketing & Storytelling's Report (Joanie Brecka)**

#### Meetings/Events Attended

- 5/4/23 Attended Log Cabin Fundraising Event
- 5/5/23 Video Taping Career Experience Videos with Seward Public Schools
- 5/8/23 Meeting with Dr. Josh Fields from Seward Public Schools
- 5/8/23 BRAN (Bicycle Ride Across Nebraska) Committee Meeting
- 5/9/23 Podcast Taping with Jerry Meyer – Nebraska National Guard Museum
- 5/11/23 Podcast Taping and Career Video Taping with Graze Master Group
- 5/12/23 Podcast Taping with Four Corners Health Dept
- 5/15/23 Podcast Taping with Four Corners Health Dept
- 5/15/23 SCCDP Quarterly Board Meeting
- 5/16/23 Seward County Visitors Bureau Monthly Meeting
- 5/17/23 Interview with Seward County Independent
- 5/17/23 Taping Wellness Wednesday Jazzercise Video
- 5/18/23 Filming Career Experience Video at Bottle Rocket Brewery
- 5/22/23 BRAN (Bicycle Ride Across Nebraska) Committee Meeting
- 5/23/23 Interview with Collin Hain for Internship
- 5/23/23 Ribbon Cutting with Mercy City Church
- 5/26/23 Meeting with Jonathan to cover extra Level 10 meeting projects
- 5/31/23 Meeting with Jonathan and Greg Butcher
- 5/31/23 Meeting with Clark Kolterman for July 4th Information
- 5/31/23 Attended Seward 4th of July Celebration Kick-Off Program
- 6/6/23 Call/Email members about Special July 4th Buzz Newsletter
- 6/8/23 Quarterly Goals Meeting with Jonathan
- 6/8/23 Worked for 10/11 Can Care-A-Van Food Drive with Seward County Visitors Bureau
- 6/8/23 First Street Flats Ribbon Cutting in Milford
- 6/9/23 Worked the (Bicycle Ride Across Nebraska) All Day 7am-11pm
- 6/13/23 Little Cubs Daycare ARPA Budget Justification
- 6/14/23 Phone Call Meeting with Collin Hain – Intern for SCCDP
- 6/15/23 Podcast taping with Pat Coldiron at Liberty House
- 6/15/23 Team lunch to support new member Billie's Grilled Cheese Food Truck
- 6/15/23 July 4th Committee Meeting with City Council
- 6/15/23 July 4th Committee Meeting
- 6/16/23 Meeting with Collin Hain – Intern
- 6/19/23 Meeting with Bobbi McVey-Blath for Rising Stars Graduation Ceremony

- 6/20/23 Seward County Visitors Bureau Monthly Meeting
- 6/21/23 Review Rising Stars agenda and Speech with Jonathan
- 6/21/23 Rising Star Leadership Graduation Ceremony
- 6/22/23 Marketing Webinar with Constant Contacts
- 6/23/23 Work on SCCDP Development Document with Jonathan
- 6/23/23 SCCDP Team Building Activity
- 6/26/23 Black Hills Group Site Visit for Wellness Center
- 6/26/23 Work on Documents for SCCDP Annual Report
- 6/26/23 Phone Meeting with Collin Hain – Intern
- 6/27/23 Coffee and Contacts with Union Bank and Neutral Grounds
- 6/29/23 Podcast with Joel Brase – New Wellness Center Director
- 6/29/23 Meeting with Harrison for Downtown Sidewalk Sales Marketing
- 6/30/23 SCCDP Team Quarterly Rock Meeting
- 7/6/23 Photos with Jones Bank for Rural Workforce Housing Funds
- 7/10/23 Video Interview with Jonathan and AFAN
- 7/13/23 Meeting with Jeanne Wiemer for Gathering on the Bricks
- 7/18/23 Seward County Visitors Bureau Monthly Meeting
- 7/20/23 Ribbon Cutting for Sparetime Lounge Courtyard Space
- 7/20/23 Team Meeting for September SCCDP Event – now called Farm to Table Culinary Event
- 7/20/23 Meeting with Kathy L’Heureux new counselor for Concordia University
- 7/21/23 SCCDP Open House with Senator Jana Hughes
- 7/21/23 SCCDP Team Meeting with Global Life
- 7/23/23 Attended Cordova Car Show & Pidgeon Races to Promote on Social Media Feeds
- 7/25/23 Phone Call with Collin – Intern for LB 840 information
- 7/25/23 Podcast with Adam Bode – Seward Parks & Rec Dept Update
- 7/27/23 Meeting with Dr. Helmer from Concordia University for Drone Class Project
- 7/28/23 Annual July Sidewalk Sales
- 8/2/23 Speech for Beck’s Hybrids Event
- 8/3/23 First Impressions Working Group Meeting
- 8/3/23 Ribbon Cutting and Field Day at Beck’s Hybrid’s in Goehner
- 8/3/23 Ag Society Seward County Fair Window-Lobby Contest Judging
- 8/3/23 Retail-Restaurant Committee Meeting
- 8/9/23 Podcast Taping for Milford Fun Days with Milford Chamber
- 8/10/23 SCCDP Marketing, Membership Fundraising Working Group Meeting
- 8/11/23 Working Seward County Fair Booths for Seward County Visitors Bureau
- 8/14/23 Seward Public Schools Back to School Teacher Breakfast

## Activities

- Continued Working with Jonathan, Tim Dworak and Bob Miers to create Historic Courthouse Square District Signage Street signs and 4 district entry signs.
- Created a page on the SCCDP website for Seward County Bridges
- Created a new event space area on the SCCDP main homepage to showcase three upcoming events. Each event has a link to a separate page with information about the event and a register button that links to ChamberMaster.
- Continuing updates to CultivateSewardCounty.com website and SewardRegional.org
- Created 8 new podcasts from May to August with more to be taped in August and September.
- Working on editing the career experience videos for Seward Public Schools and Bottle Rocket Brewery

- Worked with Donna to market the BRAN (Bicycle Ride Across Nebraska). Engaged business owners to hand BRAN posters in their businesses, made banners, flyers, newspaper articles and misc. marketing materials to promote the event.
- Worked the entire BRAN event from 7AM to 10:30 PM. Including the Visitors Bureau welcome tent, social media posts, street dance and clean-up of the event.
- Continuing to create the Blue River Buzz newsletter each week.
- Updating and posting on the SCCDP Facebook Page and Instagram on a regular basis
- Monitored SCCDP website analytics and social media analytics.
- Created and sent monthly SCVB agendas and packets.
- Managed SCVB grants before meetings.
- Working with the First Impressions Committee to gather pricing on installing new Welcome to Seward Signs
- Edited Wellness Wednesday Videos.
- Worked with KTMX radio stations for back-to-school advertising.
- Created advertising for July 28th Sidewalk sales through newspaper ad, posters, social media posts
- Attended the Cordova Pigeon Races and Car show – promoted the event through the BUZZ and social media before and after the event. Continued to market the summer festivals in Utica, Beaver Crossing and Milford Days. SCCDP members have been attending each festival.
- Began working on the marketing campaigns for the SCCDP Farm to Table event on Sunday Sept. 24th. Banners, BUZZ and social media posts. Gathering information for the newspaper ads and radio.
- Started preliminary work for the Christmas Festival marketing. Set up event on SCCDP website, working on reindeer run and ideas for posters, banners etc.
- Working with Harrison Helmer to promote member businesses and obtaining new members. Examples: Meeting with business owners - gift card program signups - photos with gift card - meeting foreign business delegations - talking with business about creating videos and social media content - promotional events like ribbon cuttings, coffee and contacts, business afterhours.

## **Community Affairs Director's Report (Jacob Jennings)**

### **Meetings/Events Attended**

- 5/9/2023 – Our Redeemer Little Learners Meeting
- 5/9/2023 – Meeting with Anita Foor
- 5/9/2023 – Utica Care Center Donation Meeting
- 5/9/2023 – Business & Government Affairs Working Group Meeting
- 5/10/2023 – Utica Care Center Donation Meeting
- 5/10/2023 – Meeting with Jake Vasa about Bronco Heights Subdivision
- 5/15/2023 – Meeting with RWHF Advisory Committee + SCCDP Executive Committee
- 5/15/2023 – SCCDP Quarterly Board Meeting
- 5/16/2023 – Nebraska community Foundation Fundraising Bootcamp and Luncheon
- 5/16/2023 – Meeting with Emily Hemphill
- 5/16/2023 – Meeting with Kris Bosquet
- 5/16/2023 – Meeting with Ray Ringlein
- 5/17/2023 – HomeNE Podcast Practice Session
- 5/17/2023 – Childcare Presentation to Rotary
- 5/17/2023 – NEDA Conference Dinner + Networking
- 5/18/2023 – NEDA Conference

- 5/18/2023 – HomeNE Podcast Presentation
- 5/19/2023 – NEDA Conference
- 5/19/2023 – Site Visit with Housing Developer
- 5/22/2023 – Utica Care Center CDAA Meeting
- 5/22/2023 – Housing meeting with Garland Village Trustee
- 5/26/2023 – Meeting with Habitat for Humanity to Discuss Utica School Building
- 5/31/2023 – Meeting with Clark Kolterman to Discuss 4th of July
- 6/1/2023 – Milford Childhood Learning Center meeting
- 6/2/2023 – BASF Soybean R&D Facility Site Visit
- 6/2/2023 – BRAN Flier Distribution Downtown
- 6/5/2023 – Youth Mental Health Coalition Meeting
- 6/6/2023 – Our Redeemer Little Learners Meeting
- 6/7/2023 – C4K Webinar
- 6/8/2023 – First Street Flats Ribbon Cutting
- 6/8/2023 – Site Visit with Value Holding
- 6/9/2023 – BRAN
- 6/12/2023 – Presentation to Centennial School Board
- 6/13/2023 – Little Cubs ARPA Budget Justification
- 6/13/2023 – AFAN Presentation and Lunch
- 6/14/2023 – Meeting with ESU 6, School Superintendents
- 6/15/2023 – Meeting with Jake Vasa about Bronco Heights Rebid
- 6/15/2023 – Little Cubs Daycare Meeting
- 6/15/2023 – Funding Green House Homes Webinar
- 6/15/2023 – Milford Childhood Learning Center Meeting
- 6/19/2023 – Quarterly Goals Meeting
- 6/19/2023 – Meeting with Centennial about Utica School Building
- 6/19/2023 – NE Chamber Meeting
- 6/20/2023 – Seward County Commissioners Meeting on Tower Permit
- 6/20/2023 – NE Chamber Listening Session at SCC
- 6/22/2023 – Teacher Externships with Seward Public Schools
- 6/23/2023 – Phone Call with Black Hills Energy
- 6/26/2023 – Black Hills Energy Site Visit
- 6/26/2023 – Seward County Pre-Planning Commission Meeting
- 6/26/2023 – Milford Community Betterment Fund Committee Meeting for MCLC
- 6/27/2023 – Project Need Site Visit
- 6/27/2023 – C4K Meeting
- 6/28/2023 – Coffee & Contacts with Union Bank
- 6/28/2023 – LB 840 Committee Meeting for MCLC
- 6/29/2023 – Meeting with Habitat for Humanity about Utica School Building
- 7/3/2023 – Meeting with Dan Mauk, Lucas Froeschl, Rachel Kreikemeier about Childcare
- 7/3/2023 – Meeting with Becky Freeman, Kylie Schildt, Patrick Kelley about MCLC
- 7/5/2023 – Press Release for Little Learners Meeting
- 7/5/2023 – C4K Webinar

- 7/5/2023 – Meeting with Tony DeLong about MCLC
- 7/5/2023 – Meeting with Kelli Keib about MCLC
- 7/5/2023 – Milford City Council Meeting
- 7/6/2023 – Photo Op with Jones Bank for RWHF Donation
- 7/6/2023 – Brownfields Program Discussion with Centennial Schools
- 7/10/2023 – MCLC Capital Campaign Meeting
- 7/10/2023 – Café on the Square Business Plan Meeting
- 7/11/2023 – Meeting with Melissa Trueblood to Review Project Move Economic Impact Study
- 7/11/2023 – SCCDP TIF Application Meeting
- 7/11/2023 – Garland Village Board Meeting
- 7/11/2023 – Goehner Village Board Meeting
- 7/12/2023 – Broadband Task Force Meeting
- 7/17/2023 – NE Chamber Association Meeting
- 7/19/2023 – ESU 6 Contract Discussion
- 7/19/2023 – SE NE Manufacturing Partners Meeting
- 7/20/2023 – Ribbon Cutting at Sparetime Lounge
- 7/20/2023 – Childcare Interview with SCI
- 7/21/2023 – Open House with Sen. Jana Hughes
- 7/21/2023 – Global Health Meeting with Josh + Jonathan
- 7/24/2023 – Kiwanis Presentation about Childcare
- 7/31/2023 – Meeting with Rural Prosperity Nebraska
- 8/1/2023 – MCLC Layout Review Meeting
- 8/1/2023 – Burlington Capital Meeting
- 8/1/2023 – SBDF Application Meeting
- 8/2/2023 – Broadband Task Force Meeting
- 8/2/2023 – Presentation to Rotary Club about SCCDP Updates
- 8/2/2023 – Meeting with Andrew Vinton about CPF, NDOT RFI
- 8/14/2023 – Seward Back-to-School Breakfast

#### Activities/Accomplishments

- Supported three new childcare centers in applying for and receiving approximately \$2 million in childcare funding.
- Submitted monthly grant reconciliations to Nebraska Children and Families Foundation for childcare funding.
- Gave childcare presentations to Rotary and Kiwanis clubs.
- Organized several C4K meetings and trainings with local childcare providers.
- Submitted TIF application for Little Cubs Daycare project.
- Submitted budget and work plan for CRRSA Year 2 funds.
- Attended and spoke in favor of childcare projects in Milford and Seward.
- Contributed to several childcare articles featured in SCI.
- Wrote press release for Our Redeemer Little Learners opening.
- Applied for Site and Building Development Fund for Project Move.
- Prepared site visit binders and participated in several site visits with companies considering expansion to Seward County.

- Submitted response to DED RFI for Project Biscayne.
- Submitted Perkins Grant quarterly/annual report to ESU 6.
- Gave virtual housing presentation to the HomeNE network.
- Paid construction, civil engineering, and attorney's bills for RWHF work; updated RWHF ledger.
- Created and signed payoff statement forms for RWHF loans and received repayments for Plex Construction project.
- Gathered information and received offers on local bank account options for Seward County's newest RWHF.
- Collected RWHF contributions from all entities who pledged donations during fundraising.
- Created monthly invoices for First Street Flats interest payments to begin in 2024.
- Worked with Centennial school board to find solutions for former school building in Utica.
- Wrote support letter for Shell Gas Station expansion at Seward I-80 exit.
- Reviewed and provided feedback to Café on the Square on their business plan.
- Created agendas, took meeting minutes for Seward County Broadband Task Force, pre-planning commission meetings.
- Represented SCCDP at Four Corners Youth Mental Health Coalition Steering Committee meetings.
- Filmed biweekly Wellness Wednesday videos with Harrison.
- Processed Seward County Gift Cards for customers.

### **Director of Membership's Report (Harrison Helmer)**

#### Meetings/Events Attended:

- Level 10 Staff Meetings (Weekly)
- Seward Rotary Club Meetings (Weekly)
- Seward Rotary Club Board Meetings (Monthly)
- Lunch on the Lawn for Seward County Gives- 5/3/23
- Downtown Gift Card Webinar for Seward County Gift Card Program- 5/3/23
- Marketing, Membership, and Fundraising Working Group- 5/4/23
- Career Experience Video filming with Seward Public Schools- 5/5/23
- Career Experience Video filming with Seward Public Schools- 5/8/23
- Career Experience Video filming with Seward Public Schools- 5/9/23
- Meeting with Anita Foor on workforce development initiatives- 5/9/23
- Wellness Wednesday filming with Jacob- 5/9/23
- Manufacturing Nebraska's Future Conference- 5/10/23
- Career Experience Video filming with Graze Master Group & Del Ficke Cattle Co.- 5/11/23
- Quarterly Board Meeting at SCC- 5/15/23
- SE NE Manufacturing Partners Meeting at SCC- 5/25/23
- NE ChamberChoice Program presentation- 5/31/23
- Meeting with RetirePath Advisors (Jim & Mitch)- 5/31/23
- Meeting with Clark Kolterman about 4th of July- 5/31/23
- Meeting with Jeanne Wiemer about the Creative Arts District Application- 5/31/23
- Meeting with County school superintendents and ESU #6 to finalize Perkins Grant-6/14/23
- Quarterly Goals Meeting with Jonathan- 6/19/23

- NE Chamber Summer Outreach-6/20/23
- Meeting with Dan Cantu with Fox Box Moves-6/20/23
- Seward County Visitors Bureau Meeting-6/20/23
- Rising Stars Leadership Program Graduation- 6/21/23
- Teacher Externship Day with Seward Public School teachers- 6/22/23
- Coffee & Contacts with Union Bank and Trust- 6/28/23
- Quarterly Rocks Meeting- 6/30/23
- Mike Hecker Retirement Open House- 6/30/23
- RWHF Photo Op with Jones Bank- 7/6/23
- Client Success Webinar with Miconex for Seward County Gift Card Program-7/11/23
- Personnel & Board Policies Working Group- 7/12/23
- Meeting with Rebekah Freed for CUNE student activity- 7/13/23
- SE NE Manufacturing Partners Meeting-7/19/23
- Wellness Wednesday filming with Jacob- 7/19/23
- Meeting with Kirk Gunnerson about Milford workforce development- 7/19/23
- Meeting with Beck's Auto Repair- 7/20/23
- Ribbon Cutting with Sparetime Lounge Outdoor Courtyard- 7/20/23
- Senator Hughes Open House- 7/21/23
- Meeting with Dr. Helmer for CUNE Drone Project partnership- 7/27/23

### Activities

- Actively recruit new members for the organization
  - Created a prospective member list organized by industries
  - Cultivating relationships with businesses the organization already interacts with
  - Compiling materials and documents for membership recruitment and retention
  - 19 new members this year
- Attend all SCCDP Networking Events
- Maintain existing relationships with members
  - Making member visits on a weekly basis
- Onboarding businesses for the Seward County Gift Card Program
  - The program is up to 50 businesses
- Assist in front office duties
  - Mail
  - Chamber Bucks/Gift Card Program
  - Membership payments received/invoicing
  - Answering phones
- Coordinated ribbon cuttings and ambassador calls
- Back to school welcome bag coordination
- Manage the Retail/Restaurant Committee agenda/minutes/invitations
- Solicited sponsorships for SCCDP scheduled events, sent out invitations
- Filmed and coordinated SCCDP adult recreation opportunities series on Facebook
- Interviewed businesses participating in SCCDP Career Experience Videos

## Events Planner & Executive Assistant's Report (Donna Hendrickson)

- Personal Work:
  - Follow up meetings and phone calls for the Illuminate Seward Campaign
  - Rising Stars Leadership Program – continued to schedule meeting locations & follow up schedules for May and scheduled graduation in June of 2023 – meeting locations, lunches and transportation to and from on-site visits (sent out thank you notes to businesses that hosted site visits)
  - Filled Gift Card orders as they come in
  - Administrative duties as needed on a daily basis
  - Organized Illuminate Seward information/billing
  - Completed Creative District application and turned it in; setting up Creative District site visit for August 23<sup>rd</sup>
- Supporting Jonathan Jank:
  - Scheduled SCCDP working group meetings and took meeting minutes
  - Created calendar invites for SCCDP's full board meeting in August
  - Scheduled and rescheduled meetings accordingly for Jonathan
  - I continue to organize Jonathan's SCCDP email account as able
  - Assisted wherever else as necessary
- Supporting SCCDP Team:
  - Followed up with outstanding invoices as much as possible; this meant sifting through emails, taking phone calls, and contacting accounts payable from the companies involved
  - Attended all ribbon cuttings; I met and welcomed new businesses and individuals that are continuing to build Seward County
  - Organized financial documents for the SCCDP contract bookkeeper's weekly pick up (relevant to chamber bucks, invoices, credit card bills, etc.)
  - Assisted wherever else as necessary
- Supporting Joanie Brecka:
  - I am worked closely with Joanie for BRAN advertising and marketing, Farm to Table, Professional Development Luncheon, Christmas Committee ornament design...
  - I attended SCVB meetings to request SCVB marketing funds for BRAN and Seward Fourth of July Committee
  - Assisted wherever else as necessary
- Supporting Jacob Jennings:
  - Assisted as necessary
- Supporting Harrison Helmer:
  - Sent out thank you notes and made reminder calls accordingly
  - Assisted wherever else as necessary

### Meetings/Events Attended:

- Weekly: Level 10 meetings
- Daily - Office duties - mail, getting signatures, confirming event dates, mailing checks & visitor information, taking 1313 building paperwork to Duane, U.S Post Office visits as necessary for Seward/Seward Co information to inquiries, daily calls and planning for upcoming events
- BRAN meetings for organization and event planning for June 9th and 10th
- Worked on Creative District Application until completion at the end of June

- Met with Jeanne Weimer and Jonathan about the Creative District Application
- 5/8 - Meeting with Dave Kennedy about BRAN
  - BRAN meeting at 4pm
  - Christmas Festival meeting in the evening
- 5/9 - Follow up with Mark Suhr re: Chamber Choice
  - Business and Gov't Affairs working group meeting
- 5/10 - Finance Working Group meeting
- 5/11 - BRAN details - signs on Hwy 34
  - BRAN meeting with Chief Peters and Gerald
  - 4th of July meeting in the evening
- 5/15 - Quarterly Board Meeting at SCC
- 5/16 - Meet with Jonathan about City Council meeting information
  - City Council meeting in evening
- 5/17 - Review Board meeting notes with Jonathan
  - Rising Stars arrangements – visit to Memorial Health Care Center
- 5/18 - Work on Creative District Application
- 5/22 - Meeting with Chief Peters before BRAN meeting at 4pm
- 5/23 - Creative District Map
  - Mercy City Ribbon Cutting
- 5/31 - Meeting with Jonathan and Jeanne Wiemer about Creative District application
  - Seward 4th of July Celebration Kick Off at NENG Museum
- 6/2 - Hand out BRAN fliers
- 6/5 - Quarterly meeting with Jonathan
  - Christmas Festival meeting in evening
- 6/8 - First Street Flats ribbon cutting
  - Put out signs for BRAN
  - 7-11pm Meeting with Tonja Nantkes about 4th of July info
- 6/9 - BRAN all day and evening
- 6/10 BRAN - all morning
- 6/12 - 4th of July Parade work
- 6/13 - 4th of July Parade work
- 6/14 - Rising Stars prep work for graduation - call Tom about lunches
  - Call Angela at GPC to discuss billing
  - 4th of July Parade work
- 6/15 – Billie's Grilled Cheese – TEAM lunch
  - 4th of July Committee meeting with Seward City Staff
  - 4th of July Committee Meeting
- 6/16 - 4th of July Parade work
- 6/19 - Call Roger at Pizza Kitchen to confirm catering for NE Chamber Summer Session
  - Meeting with Bobbi re: Rising Stars Graduation
  - 4th of July Parade work
- 6/20 - 4th of July Parade work
  - City Council meeting – Gathering on the Bricks – Liquor License approval
- 6/21 - Rising Stars Leadership Graduation
  - 4th of July Parade work

- 6/23 - 4th of July Parade work
  - Mandatory Fun as SCCDP Team
- 6/26 - 4th of July Parade work - sign information to Helmink
- 6/27 - 4th of July Parade work
  - SCCDP team lunch with Erin Wiseman for her birthday
- 6/28 - Coffee and Contacts at Neutral Grounds with Union Bank
  - 4th of July Parade work
  - Parade Planning meeting with the City
- 6/29 - 4th of July Parade work
  - Creative District application
- 6/30 - 4th of July Parade work
  - Pick up signs at Helmink
  - 4th of July Parade lineup
- 7/2 - 4th of July Parade lineup
- 7/3 - Go over parade information with Jonathan
  - Finalize parade lineup
- 7/4 - 4th of July Parade - AM mark line up
  - 2pm - 6pm Seward 4th of July Grand Parade
- 7/10 - email SCC and CUNE for back-to-school teacher info
- 7/11 - Phone call with Cindy Tederman re Dairy Farm for Farm to Table event
- 7/13 - Meet with Jeanne Wiemer about Gathering on the Bricks event
  - Meet Rebekah Freed about CUNE Launch and Back to School events
  - 4th of July meeting
- 7/14 - Phone call with Heidi about Tire Grant
- 7/18 - Check on Santa House, determine what repairs are needed
  - Prep internal audit documents
- 7/20 - Meet with JJ to go over Great Plains billing
  - Ribbon Cutting at Sparetime Outdoor venue
  - Team meeting about Gathering on the Bricks
  - Meet with Heidi about Tire Grant
  - Meet with Kathy L'Heureux from CUNE
  - Discuss Emergency Preparedness Luncheon
- 7/21 - Meet Cindy Tederman at Dairy Farm
  - Senator Hughes' Open House at Library
  - Team meeting with Josh Kenney presentation about Global Life
  - Meeting with Jonathan and David Orrick re: Rising Stars
- 7/24 - Prep internal audit documents
- 7/25 - Meet with Alexa Axthelm about Gathering on the Bricks
- 7/26 - Review Internal Audit documents
- 7/31 - Email Rising Stars businesses
  - Professional Development Luncheon meeting - Emergency Preparedness
- 8/1 - Email Rising Stars businesses
  - Prepare Gift Cards for Golf Course
  - Creative District Site Visit Preparation
  - Farm to Table Tasting Event prep

- 8/2 - Email Rising Stars businesses
  - Creative District Application Site Visit planning meeting with Jeanne Wiemer and Jonathan
- 8/3 - Beck's Ribbon Cutting
  - Retail/Restaurant Committee meeting
  - Farm to Table Tasting Event prep
- 8/4 - Email Rising Stars businesses
  - Prep Working Group agendas
  - Creative District Site Visit Preparation
  - Farm to Table Tasting Event prep
- 8/5 - Beaver Daze
- 8/7 - Finish Gift Cards for Golf Course
  - Farm to Table Tasting Event prep
  - SCCDP Executive Committee meeting
  - Christmas Festival meeting
- 8/8 - SCCDP Business & Gov't Affairs Working Group meeting
- 8/10 - CUNE Back to School Breakfast
  - SCCDP Finance Working Group meeting
  - SCCDP Personnel and Board Policies Working Group meeting
  - SCCDP Marketing, Membership and Fundraising Working Group Meeting
- 8/11 - Creative District Site Visit Preparation
  - Illuminate Seward information gathering
- 8/14 - SCCDP team Seward HS Teacher Welcome
  - SCCDP Board meeting reports
  - Creative District Site Visit Preparation
  - Christmas Festival Meeting
- 8/15 - Phone calls for Farm to Table Tasting Event
- 8/16 - SCCDP team ribbon cuttings for Today Counts Preschool
- 8/17 - 4th of July meeting
- 8/18 - Take passport-colored pencils to businesses for Launch
- 8/19 - CUNE Launch event - Passports at the Farmer's Market

#### **Seward County Vision Statement 2035**

**Seward County** is a pro-active and collaborative area with vibrant, welcoming, family-friendly, and safe communities, recognized for pillars of strength in agriculture, arts and culture, business, education, entrepreneurship, government, and healthcare.

We are a destination location for businesses, visitors and residents within the greater metropolitan area and an active partner in the region.

Our residents enjoy picturesque and diverse neighborhoods, viable main streets, outstanding recreational opportunities, active civic life, faith-based living, and quality housing and employment choices.

The private and public sectors are united and citizens are engaged for the betterment of all Seward Co.

We are guided by:

**Integrity** – We are open, honest and hold ourselves to the highest ethical standards.

**Respect** – We treat everyone with courtesy, equity, and fairness.

**Leadership** – We understand the importance of engaged leadership and that leadership must transition to ensure the vision continues for future generations.

**Giving/Philanthropy** – We are caring and generous. We encourage giving freely and helping those in need. We champion volunteerism for its powerful contribution to our area.

**Planning** – We acknowledge the importance of a shared vision and being intentional about planning for our future. We believe our collective efforts will be sustainable for the long-term betterment of all Seward County.

3. Draft Minutes of August 15, 2023 City Council Meeting

**August 15, 2023**

The Seward City Council met at 7:00 p.m. on Tuesday, August 15, 2023, with Mayor Joshua Eickmeier presiding and City Clerk Derek Bargmann recording the proceedings. Upon roll call, the following Councilmembers were present: Jessica Kolterman, Karl Miller, John Singleton, Tatum Tonniges, Rich Wergin, Jonathon Wilken. Councilmembers Absent: Megan Kahler, Matt Stryson. Other officials present: Building/Zoning & Code Enf. Director Tim Dworak, Street Superintendent Bob Miers, City Engineer Mike Oneby, Water/Wastewater Director Brandon Koll, Executive Director of Wellness Center Joel Brase, City Attorney Kelly Hoffschneider, and Police Chief Brian Peters.

Notice of the meeting was given in advance thereof, and Mayor Eickmeier announced that a copy of the Open Meetings Act and tonight's agenda is posted in the meeting room and is accessible to members of the public. Mayor Eickmeier led those in attendance in the Pledge of Allegiance.

**CONSENT AGENDA CONSIDERATION ITEMS**

The following Consent Agenda items were approved in one single motion made by Councilmember Wergin, seconded by Councilmember Singleton.

1. City Codes Director Report
2. City Treasurer Report
3. Claims & Payables Report (totaling \$2,599,276.22)
4. Police Department Report
5. Draft Minutes of August 1, 2023, Council Meeting
6. Mayor's Appointments to Boards and Commissions:
  - a. Appoint Haley Goodrich to the Seward Volunteer Fire Department Roster

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin, Wilken.

Nay: None. Absent: Kahler, Stryson. Motion carried.

**MAYOR APPOINTMENT OF CITY EMPLOYEE**

City Administrator Butcher was excited to introduce candidate Cydnee Golden after a prolonged search. Ms. Golden has over 20 years of experience in accounting with over 1.5 years in her current role as Finance Director/Treasurer for the City of Hickman.

Councilmember Kolterman moved, seconded by Councilmember Singleton, to appoint Cydnee Golden as the Finance Director/Treasurer for the City of Seward.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin, Wilken.

Nay: None. Absent: Kahler, Stryson. Motion carried.

**PUBLIC HEARINGS**

**1. CONSIDERATION OF AN ORDINANCE TO DEDICATE RIGHT-OF-WAY, NORTH OF WAVERLY ROAD FROM 266<sup>TH</sup> TO 280<sup>TH</sup> ROAD**

Building/Zoning & Code Enf. Director Dworak noted the City owned a sliver of land just north of Waverly Road that was originally supposed to be a part of the trail project. The request is for the land to be dedicated as right-of-way for the Wellness Center Project and further development along Waverly Road. The Planning Commission approved the request unanimously.

Mayor Eickmeier opened the public hearing at 7:05 p.m. With no public comment received, the public hearing was closed at 7:05 p.m.

Councilmember Kolterman introduced Ordinance No. 2023-16. Councilmember Wergin moved, seconded by Councilmember Singleton, to dispense with the statutory rule.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin, Wilken.

Nay: None. Absent: Kahler, Stryson. Motion carried.

Councilmember Kolterman moved, seconded by Councilmember Wergin, that the minutes of the proceedings of the Mayor and Council of the City of Seward, Seward County, Nebraska in the matter of passing and adopting: **Ordinance No. 2023-16, AN ORDINANCE TO DECLARE A PARCEL OF CITY OWNED PROPERTY LYING NORTH OF WAVERLY ROAD BETWEEN 266TH ROAD AND 280TH ROAD AS DEDICATED CITY RIGHT-OF-WAY. AS HEREINAFTER SET FORTH; TO PROVIDE FOR PUBLICATION OF THIS ORDINANCE IN PAMPHLET FORM; TO PROVIDE FOR A TIME WHEN THIS ORDINANCE SHALL TAKE EFFECT.**

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Aye: Kolterman, Miller, Singleton, Tonniges, Wergin, Wilken.  
Nay: None. Absent: Kahler, Stryson. Motion carried.

2. CONSIDERATION OF AN ORDINANCE APPROVING THE PRELIMINARY AND FINAL PLAT OF WAKE & CO ADDITION

Mr. Dworak identified the platting to include the 10.9 acres of land dedicated for the Wellness Center facility. Additionally, a subdivision application, voluntary annexation request, and rezoning request will be addressed. Moreover, the drainage plan has been reviewed by City staff and appears to be in order as presented. The Planning Commission approved this platting unanimously.

Mayor Eickmeier opened the public hearing at 7:10 p.m. With no public comment received, the public hearing was closed at 7:10 p.m.

Councilmember Wergin introduced Ordinance No. 2023-17. Councilmember Wergin moved, seconded by Councilmember Tonniges, to dispense with the statutory rule.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin, Wilken.  
Nay: None. Absent: Kahler, Stryson. Motion carried.

Councilmember Miller moved, seconded by Councilmember Singleton, that the minutes of the proceedings of the Mayor and Council of the City of Seward, Seward County, Nebraska in the matter of passing and adopting: **Ordinance No. 2023-17**, AN ORDINANCE TO APPROVE THE PLAT ENTITLED "WAKE & CO. ADDITION", A PLAT OF LAND LOCATED IN THE SE1/4 OF SECTION 9, TOWNSHIP 11 NORTH, RANGE 3 EAST OF THE 6TH P.M., SEWARD COUNTY, NEBRASKA," AS HEREINAFTER SET FORTH; TO PROVIDE FOR PUBLICATION OF THIS ORDINANCE IN PAMPHLET FORM; TO PROVIDE FOR A TIME WHEN THIS ORDINANCE SHALL TAKE EFFECT.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin, Wilken.  
Nay: None. Absent: Kahler, Stryson. Motion carried.

3. CONSIDERATION OF AN ORDINANCE FOR VOLUNTARY REQUESTS FOR ANNEXATION

A. WAKE AND CO ADDITION

B. DEDICATED RIGHT-OF-WAY NORTH OF WAVERLY ROAD FROM 266<sup>TH</sup> TO 280<sup>TH</sup> ROAD

Mr. Dworak noted the Wake & Co Addition and dedicated right-of-way north of Waverly Road were currently not within City limits; therefore, Mr. Max Wake (current owner) has made a voluntary request for annexation. The Planning Commission approved the request unanimously. The ordinance will be read three times before consideration.

Mayor Eickmeier opened the public hearing at 7:13 p.m. With no public comment received, the public hearing was closed at 7:13 p.m.

Councilmember Wergin introduced **Ordinance No. 2023-18**: AN ORDINANCE DECLARING THE ANNEXATION OF CERTAIN CONTIGUOUS AND ADJACENT TRACTS OF LAND, URBAN AND SUBURBAN IN CHARACTER, MORE SPECIFICALLY THE DEDICATED RIGHT-OF-WAY NORTH OF WAVERLY ROAD FROM 266TH ROAD TO 280TH RD, AND WAKE & CO. ADDITION TO THE CITY OF SEWARD, TO THE CORPORATE LIMITS OF THE CITY OF SEWARD, NEBRASKA, AND EXTENDING THE LIMITS THEREOF ACCORDINGLY; TO DESCRIBE THE REAL ESTATE TO BE ANNEXED AND ITS BOUNDARIES; TO PROVIDE FOR PUBLICATION OF THIS ORDINANCE IN PAMPHLET FORM; TO PROVIDE FOR A TIME WHEN THIS ORDINANCE SHALL TAKE EFFECT.

4. CONSIDERATION OF AN ORDINANCE REZONING PROPERTY IDENTIFIED AS WAKE & CO ADDITION FROM 'AG – AGRICULTURAL DISTRICT' TO 'C-1 – COMMUNITY COMMERCIAL/MIXED USE DISTRICT'

Mr. Dworak indicated that with the proposed annexation of the Wake & Co Addition, a zoning district will be designated per the ULDO regulations. In reviewing the possibilities, 'C-1 – Community Commercial/Mixed Use District' was the closest match for the proposed use of the land. The Planning Commission approved this item unanimously.

Mayor Eickmeier opened the public hearing at 7:18 p.m. With no public comment received, the public hearing was closed at 7:18 p.m.

Councilmember Kolterman introduced Ordinance No. 2023-19, with a change to Section 3 to indicate a 'C-1 – Community Commercial/Mixed Use District' designation. Councilmember Tonniges moved, seconded by

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Councilmember Wergin, to dispense with the statutory rule.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin. Wilken.  
Nay: None. Absent: Kahler, Stryson. Motion carried.

Councilmember Kolterman moved, seconded by Councilmember Wilken, that the minutes of the proceedings of the Mayor and Council of the City of Seward, Seward County, Nebraska in the matter of passing and adopting: **Ordinance No. 2023-19**, AN ORDINANCE TO AMEND THE OFFICIAL ZONING MAP OF THE CITY OF SEWARD, NEBRASKA; TO REZONE CERTAIN PROPERTY WITHIN THE EXTRA TERRITORIAL JURISDICTION OF THE CITY OF SEWARD, NEBRASKA NOW ZONED AG AGRICULTURAL DISTRICT, TO C-1 COMMUNITY COMMERCIAL/MIXED USE DISTRICT; SPECIFICALLY, TRACTS OF LAND NORTH OF WAVERLY ROAD AND WEST OF 266TH RD; TO DESCRIBE THE PROPERTY REZONED; TO PROVIDE FOR PUBLICATION OF THIS ORDINANCE IN PAMPHLET FORM; TO PROVIDE FOR A TIME WHEN THIS ORDINANCE SHALL TAKE EFFECT.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin. Wilken.  
Nay: None. Absent: Kahler, Stryson. Motion carried.

Councilmember Tonniges moved, seconded by Councilmember Kolterman, that all ordinances be added to the permanent record.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin. Wilken.  
Nay: None. Absent: Kahler, Stryson. Motion carried.

**5. REVISION OF THE ONE- & SIX-YEAR STREET IMPROVEMENT PLAN**

City Engineer Oneby provided a spreadsheet and map of the one- and six-year street improvement plans. He noted there were 9 projects in the one-year plan and 39 in the six-year plan. Project #4, Izaak Walton & Hwy 15 intersection reconstruction (west side), was not previously identified in the plan; however, narrow traffic lanes have created hazardous conditions for users. It is hoped this project will coincide with the Hwy 15 reconstruction project in creating safer roadways for tractor-trailer users. Additionally, lighting will be added to the intersection to improve safety. Mr. Oneby noted this plan was approved unanimously by the Planning Commission at their July meeting.

Mayor Eickmeier opened the public hearing at 7:31 p.m. With no public comment received, the public hearing was closed at 7:31 p.m.

Councilmember Miller moved, seconded by Councilmember Wilken, to approve the one-year and six-year street improvement plan as presented.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin. Wilken.  
Nay: None. Absent: Kahler, Stryson. Motion carried.

**ADMINISTRATIVE ITEMS**

**1. ITEMS RELATED TO THE EMPLOYEE HANDBOOK**

**A. AMENDMENTS TO ITEMS 2.2a, 2.11, AND 3.8.1 – UPDATED GENERAL PERSONNEL POLICIES, FROM THE EMPLOYEE HANDBOOK DATED NOVEMBER 15, 2016**

City Clerk Bargmann informed the significant updates to each of these items—these sections were previously approved on June 21, 2022:

- 2.2a: Expanding flexibility for supervisors to accommodate needs for employees who express milk.
- 2.11: Clarifying expectations for the maintenance of employee records.
- 3.8.1: Allowing for employees to bank compensatory leave hours to be used only for military leave to supplement the 120 hours allotted by the City annually.

Councilmember Singleton moved, seconded by Councilmember Wergin, to approve amendments to items 2.2a, 2.11, and 3.8.1 for the Employee Handbook dated November 15, 2016, as presented.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin. Wilken.  
Nay: None. Absent: Kahler, Stryson. Motion carried.

**B. ITEMS 4.1 – 4.6; 5.1 – 5.4; 6.1 – 6.2; AND 7.1 – UPDATED GENERAL PERSONNEL POLICIES, FROM THE EMPLOYEE HANDBOOK DATED NOVEMBER 15, 2016**

Mr. Bargmann described the process of updating these sections, which included careful review with City

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Administrator Butcher; presentation to City staff with comment period; and then recommendation from the Personnel, Audit & Finance Committee at their August 8<sup>th</sup> meeting (unanimously). Specifically, the following items were highlighted: increase in amount and speed in vacation leave accumulation; parental leave policy; formal establishment of a voluntary leave transfer program; guidance on employee responsibilities and compensatory time accumulation during an emergency closure; change in performance evaluation practices; flat rate per-diems for meals; update on disciplinary procedures; and description of the employee appeals process.

Councilmember Singleton moved, seconded by Councilmember Miller, to approve amendments to items 4.1 – 4.6; 5.1 – 5.4; 6.1 – 6.2; and 7.1 for the Employee Handbook dated November 15, 2016, as presented.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin. Wilken.

Nay: None. Absent: Kahler, Stryson. Motion carried.

C. CONSIDERATION TO ADOPT A REVISED EMPLOYEE PERSONNEL HANDBOOK—INTRODUCTION & SECTIONS 1-7—DATED AUGUST 15, 2023

Mr. Bargmann noted that with the approval of Sections 4-7, the handbook has been fully revised and should be adopted with the date of August 15, 2023. The plan for maintenance is to review two chapters per year.

Councilmember Wergin moved, seconded by Councilmember Tonniges, to adopt a revised handbook, dated August 15, 2023.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin. Wilken.

Nay: None. Absent: Kahler, Stryson. Motion carried.

2. CONSIDERATION OF A RESOLUTION AUTHORIZING THE SIGNING OF THE ANNUAL CERTIFICATION OF PROGRAM COMPLIANCE FORM FOR THE NEBRASKA BOARD OF PUBLIC ROADS AND CLASSIFICATIONS

Councilmember Kolterman introduced **Resolution 2023-9**, to authorize the signing of the annual certification of program compliance form. Councilmember Wilken moved, seconded by Councilmember Tonniges, to approve Resolution 2023-9.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin. Wilken.

Nay: None. Absent: Kahler, Stryson. Motion carried.

3. CONSIDERATION OF CHANGE ORDERS FOR THE PARK AVE – BRADFORD STREET STORM SEWER IMPROVEMENTS PROJECT

Mr. Oneby described the change orders as updates to issues encountered as the construction has become underway for both projects, specifically in addressing previously placed water mains. The City received revised change orders after the agenda had closed; therefore, the amounts on the agenda were inaccurate.

A. APPROVAL OF A CHANGE ORDER TO A CONTRACT WITH GENERAL EXCAVATING FOR THE BRADFORD STREET STORM SEWER IMPROVMENTS PROJECT IN THE AMOUNT OF \$40,338.45 (ACTUAL COST BASED ON QUANTITIES INSTALLED) AND A TIME EXTENSION OF 10 DAYS

Councilmember Kolterman moved, seconded by Councilmember Wergin, to approve a change order with General Excavating on the Bradford Street Storm Improvements Project in the amount of \$70,409.69 and a time extension of 14 days.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin. Wilken.

Nay: None. Absent: Kahler, Stryson. Motion carried.

B. APPROVAL OF A CHANGE ORDER TO A CONTRACT WITH GENERAL EXCAVATING FOR THE PARK AVENUE STORM SEWER IMPROVMENTS PROJECT IN THE AMOUNT OF \$79,030.03 (ACTUAL COST BASED ON QUANTITIES INSTALLED) AND A TIME EXTENSION OF 14 DAYS

Councilmember Singleton moved, seconded by Councilmember Tonniges, to approve a change order with General Excavating on the Park Avenue Storm Improvements Project in the amount of \$67,382.36 and a time extension of 17 days.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin. Wilken.

Nay: None. Absent: Kahler, Stryson. Motion carried.

4. CONSIDERATION OF A RESOLUTION APPROVING AN AGREEMENT WITH THE NEBRASKA DEPARTMENT OF TRANSPORTATION FOR PROJECT NO. STP-15-2(117), STATE HIGHWAY N-15 RE-CONSTRUCTION

Mr. Oneby indicated this agreement will officially set forth the obligations for both parties in the Highway 15 reconstruction project, that is expected to begin in April 2024. The City will be responsible for approximately \$80,000

**August 15, 2023**

with the State funding \$10 million.

Councilmember Singleton introduced **Resolution 2023-10**, to approve an agreement with the Nebraska Department of Transportation for the Highway 15 reconstruction project. Councilmember Wergin moved, seconded by Councilmember Miller, to approve Resolution 2023-10.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin, Wilken.

Nay: None. Absent: Kahler, Stryson. Motion carried.

**5. UPDATE ON THE WELLNESS CENTER**

Mr. Butcher updated that a building permit would be issued shortly and a groundbreaking to be held in September. Additionally, the Committee is working on fundraising and further grant applications.

**CITY ADMINISTRATOR’S REPORT**

Councilmember Wergin moved, seconded by Councilmember Singleton, that the City Administrator’s report of August 15, 2023, be accepted.

Aye: Kolterman, Miller, Singleton, Tonniges, Wergin, Wilken.

Nay: None. Absent: Kahler, Stryson. Motion carried.

**STRATEGY SESSION**

**1. STRATEGY SESSION WITH CITY ATTORNEY TO PROVIDE NEGOTIATION GUIDANCE CONCERNING REAL ESTATE INTERESTS AT THE SEWARD RAIL CAMPUS**

Councilmember Miller moved, seconded by Councilmember Singleton, that the Council enter a closed session with the Mayor, City Administrator, City Attorney, and City Clerk for the protection of the public interest and to discuss current real estate interests at the Seward Rail Campus and to provide the City Attorney with negotiating guidance for a period not to exceed 30 minutes.

Aye: Kolterman, Miller, Singleton, Tonniges, Wilken, Wergin.

Nay: None. Absent: Kahler, Stryson. Motion carried.

Mayor Eickmeier stated the Council has voted to go into closed session at 8:39 p.m. for the protection of the public interest and to discuss real estate interests and to provide the City Attorney with negotiating guidance.

At 8:44 p.m., the closed session ended, and the following Councilmembers reconvened to regular session: Kolterman, Miller, Singleton, Tonniges, Wergin, Wilken. Mayor Eickmeier announced that no formal action was taken during the executive session.

**MOTION TO ADJOURN**

Councilmember Wergin moved, seconded by Councilmember Singleton, that the August 15, 2023, City Council Meeting be adjourned.

Aye: Kolterman, Miller, Singleton, Tonniges, Wilken, Wergin.

Nay: None. Absent: Kahler, Stryson. Motion carried.

Adjourned approximately 8:44 p.m.

THE CITY OF SEWARD, NEBRASKA

\_\_\_\_\_  
Joshua Eickmeier, Mayor

\_\_\_\_\_  
Derek Bargmann  
City Clerk

**ADMINISTRATIVE ITEMS**

1. Consideration of an Ordinance for Voluntary Requests for Annexation, Wake & Co Addition; Dedicated Right-of-Way North of Waverly Road from 266th to 280th Road (SECOND READING) - Building/Zoning & Code Enf. Director Dworak

Return to:  
City of Seward  
PO BOX 38  
Seward, NE 68434

ORDINANCE NO. 2023-18

AN ORDINANCE DECLARING THE ANNEXATION OF CERTAIN CONTIGUOUS AND ADJACENT TRACTS OF LAND, URBAN AND SUBURBAN IN CHARACTER, MORE SPECIFICALLY THE DEDICATED RIGHT-OF-WAY NORTH OF WAVERLY ROAD FROM 266<sup>TH</sup> ROAD TO 280<sup>TH</sup> RD, AND WAKE & CO. ADDITION TO THE CITY OF SEWARD, TO THE CORPORATE LIMITS OF THE CITY OF SEWARD, NEBRASKA, AND EXTENDING THE LIMITS THEREOF ACCORDINGLY; TO DESCRIBE THE REAL ESTATE TO BE ANNEXED AND ITS BOUNDARIES; TO PROVIDE FOR PUBLICATION OF THIS ORDINANCE IN PAMPHLET FORM; TO PROVIDE FOR A TIME WHEN THIS ORDINANCE SHALL TAKE EFFECT.

BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF SEWARD, NEBRASKA:

Section 1. TERRITORY ANNEXED; DESCRIPTION. The following described property, having been petitioned for annexation by all of the property owners of said property, is annexed to the corporate limits of the City of Seward, as follows:

**Parcel 1:** A TRACT OF LAND LOCATED IN THE SOUTH ONE-HALF OF SECTION 9, TOWNSHIP 11 NORTH, RANGE 3 EAST OF THE 6<sup>TH</sup> P.M., SEWARD COUNTY NEBRASKA AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF SAID SECTION 9, THENCE EAST ALONG THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 9 ON AND ASSUMED BEARING OF SOUTH 89 DEGREES 03 MINTUES 00 SECONDS EAST, A DISTANCE OF 69.49 FEET TO A POINT; THENCE NORTH 00 DEGREES 57 MINUTES 00 SECONDS EAST, A DISTANCE OF 51.00 FEET TO THE POINT OF BEGINNING; THENCE NORTH 00 DEGREES 22 MINUTES 25 SECONDS EAST, ALONG A LINE THAT IS 70.00 FEET EAST OF AND PARALLEL WITH THE WEST LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 15 FEET TO A POINT; THENCE SOUTH 89 DEGREES 03 MINUTES 00 SECONDS EAST, ALONG A LINE THAT IS 66.00 FEET NORTH OF AND PARALLEL WITH THE SOUTH LINE OF THE SOUTHEAST QUARTER, A DISTANCE OF 2,574.70 FEET TO A POINT; THENCE SOUTH 89 DEGREES 25 MINTUES 03 SECONDS EAST, ALONG A LINE THAT IS 66.00 FEET NORTH OF AND PARALLEL WITH THE SOUTH LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 9, A DISTANCE OF 2,647.43 FEET TO A POINT ON THE EAST LINE OF SAID SOUTHEAST QUARTER; THENCE SOUTH 00 DEGREES 34 MINUTES 57 SECONDS WEST, ALONG THE EAST LINE OF SAID SOUTHEAST QUARTER, A DISTANCE OF 11.00 FEET TO A POINT; THENCE NORTH 89 DEGREES 25 MINTUES 03 SECONDS WEST, ALONG A LINE THAT IS 55.00 FEET NORTH OF AND PARALLEL WITH THE SOUTH LINE OF SAID SOUTHEAST

QUARTER, A DISTANCE OF 1292.30 FEET TO A POINT; THENCE SOUTH 00 DEGREES 34 MINTUES 57 SECONDS WEST A DISTANCE OF 22.00 FEET TO A POINT; THENCE NORTH 89 DEGREES 25 MINUTES 03 SECONDS WEST, ALONG A LINE THAT IS 33.00 FEET NORTH OF AND PARALLEL WITH THE SOUTH LINE OF SAID SOUTHEAST QUARTER, A DISTANCE OF 1355.03 FEET TO A POINT; THENCE NORTH 89 DEGREES 03 MINUTES 00 SECONDS WEST, ALONG A LINE THAT IS 33.00 FEET NORTH OF AND PARALLEL WITH THE SOUTH LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 544.98 FEET TO A POINT; THENCE NORTH 00 DEGREES 57 MINUTES 00 SECONDS EAST, A DISTANCE OF 18 FEET TO A POINT; THENCE NORTH 89 DEGREES 03 MINUTES 00 SECONDS WEST ALONG A LINE THAT IS 51.00 FEET NORTH OF AND PARALLEL WITH THE SOUTH LINE OF SAID SOUTHWEST QUARTER OF DISTANCE OF 2,029.89 FEET TO THE POINT OF BEGINNING.

**Parcel 2:** A TRACT OF LAND LOCATED IN THE SOUTHEAST QUARTER OF SECTION 9, TOWNSHIP 11 NORTH, RANGE 3 EAST OF THE 6TH P.M., SEWARD COUNTY, NEBRASKA, DESCRIBED AS FOLLOWS:

COMMENCING AT A POINT OF INTERSECTION WITH THE NORTH 66' RIGHT OF WAY LINE FOR WAVERLY ROAD AND THE EAST LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 9; THENCE WESTERLY ON SAID NORTH RIGHT OF WAY LINE, ON AN ASSIGNED BEARING OF S 88°41'06"W A DISTANCE OF 460.70', TO THE POINT OF BEGINNING; THENCE CONTINUING WESTERLY ON SAID NORTH RIGHT OF WAY LINE, S 88°41'06"W 788.99'; THENCE NORTHERLY, N 0°00'00"E 245.79'; THENCE NORTHERLY, N 2°40'19"E 150.16'; THENCE NORTHERLY, N 0°00'00"E 71.99'; THENCE EASTERLY, N 90°00'00"E 66.00'; THENCE NORTHEASTERLY, N 46°00'11"E 278.82'; THENCE EASTERLY, N 88°41'06"E 500.31'; THENCE SOUTHERLY, S 1°18'54"E 655.00', TO THE POINT OF BEGINNING, SAID TRACT CONTAINING AN AREA OF 478,135.31 SQUARE FEET OR 10.98 ACRES, MORE OR LESS, KNOW KNOWN AS WAKE & CO. ADDITION.

Section 2. CORPORATE LIMITS EXTENDED. The corporate limits are hereby extended to include the territory described in Section 1 of this Ordinance as part of the corporate limits of the City of Seward, Nebraska, as the same is designated, and hereby shall be part of and annexed to the City of Seward, Seward County, Nebraska.

Section 3. FILING AND RECORDING. A certified copy of this Ordinance declaring such annexation under the Seal of the City of Seward, Nebraska, shall be filed with the office of the County Clerk of Seward County, Nebraska.

Section 4. BENEFITS TO INHABITANTS. The inhabitants of the above described territory as set forth in Section 1 of this Ordinance, annexed to the corporate limits of the City of Seward Nebraska, shall receive substantially the benefits of all other inhabitants of the City and such inhabitants shall be subject to the Ordinances and Regulations of the City of Seward, Nebraska.

Section 5. PAMPHLET FORM; PUBLICATION; WHEN OPERATIVE. This ordinance shall be published in pamphlet form and shall be in full force and effect from and after its passage, approval, and publication as provided by law and city ordinance.

Passed and approved this \_\_\_\_\_ day of \_\_\_\_\_, 2023.

THE CITY OF SEWARD, NEBRASKA,

\_\_\_\_\_  
Joshua Eickmeier, Mayor

ATTEST:

\_\_\_\_\_  
Derek Bargmann  
City Clerk

- 
2. Consideration of a Request from Bottle Rocket Brewing, LLC for the Approval of Special Designated License Application for an Event at 230 S 5th Street on September 22, 2023 - City Clerk Bargmann

**Special Designated License  
Local Recommendation (Form 200)**

Applications must be entered on the portal after local approval – no exceptions  
Late applications are non-refundable and will be rejected

**Bottle Rocket Brewing LLC**

Retail Liquor License Name or \*Non-Profit Organization (\*Must include Form #201 as Page 2)

230 S 5th St Seward NE 68434

Retail Liquor License Address or Non-Profit Business Address

LK112988

Retail License Number or Non-Profit Federal ID #

**Consecutive Dates only**

Event Date(s): 9/22/23

Event Start Time(s): 8am

Event End Time(s): 11:55pm

Alternate Date: \_\_\_\_\_

Alternate Location Building & Address: \_\_\_\_\_

Event Building Name: Bottle Rocket Brewing Co

Event Street Address/City: 211 S 4th St Seward NE 68434

Indoor area to be licensed in length & width: 50 X 80

Outdoor area to be licensed in length & width: 20 X 40 (Diagram Form #109 must be attached)

Type of Event: Concordia University Homecoming Reception Estimate # of attendees: 75

Type of alcohol to be served: Beer  Wine  Distilled Spirits   
(If not marked, you will not be able to serve this type of alcohol)

Event Contact Name: Gerald Homp Event Contact Phone Number: 402-304-5673

Event Contact Email: gerald@bottlerocketbrewing.com

\*Signature Authorized Representative: Gerald Homp Printed Name Gerald Homp

*I declare that I am the authorized representative of the above named license applicant and that the statements made on this application are true to the best of my knowledge and belief. I also consent to an investigation of my background including all records of every kind including police records. I agree to waive any rights or causes of action against the Nebraska Liquor Control Commission, the Nebraska State Patrol or any other individual releasing said information to the Liquor Control Commission or the Nebraska State Patrol. I further declare that the license applied for will not be used by any other person, group, organization or corporation for profit or not for profit and that the event will be supervised by persons directly responsible to the holder of this Special Designated License.*

\*Retail licensee – Must be signed by a member listed on permanent license

\*Non-Profit Organization – Must be signed by a Corporate Officer

**Local Governing Body completes below:**

The local governing body for the City/Village of Seward OR County of \_\_\_\_\_ approves the issuance of a Special Designated License as requested above. (Only one should be written above)

Gerald Homp  
Local Governing Body Authorized Signature

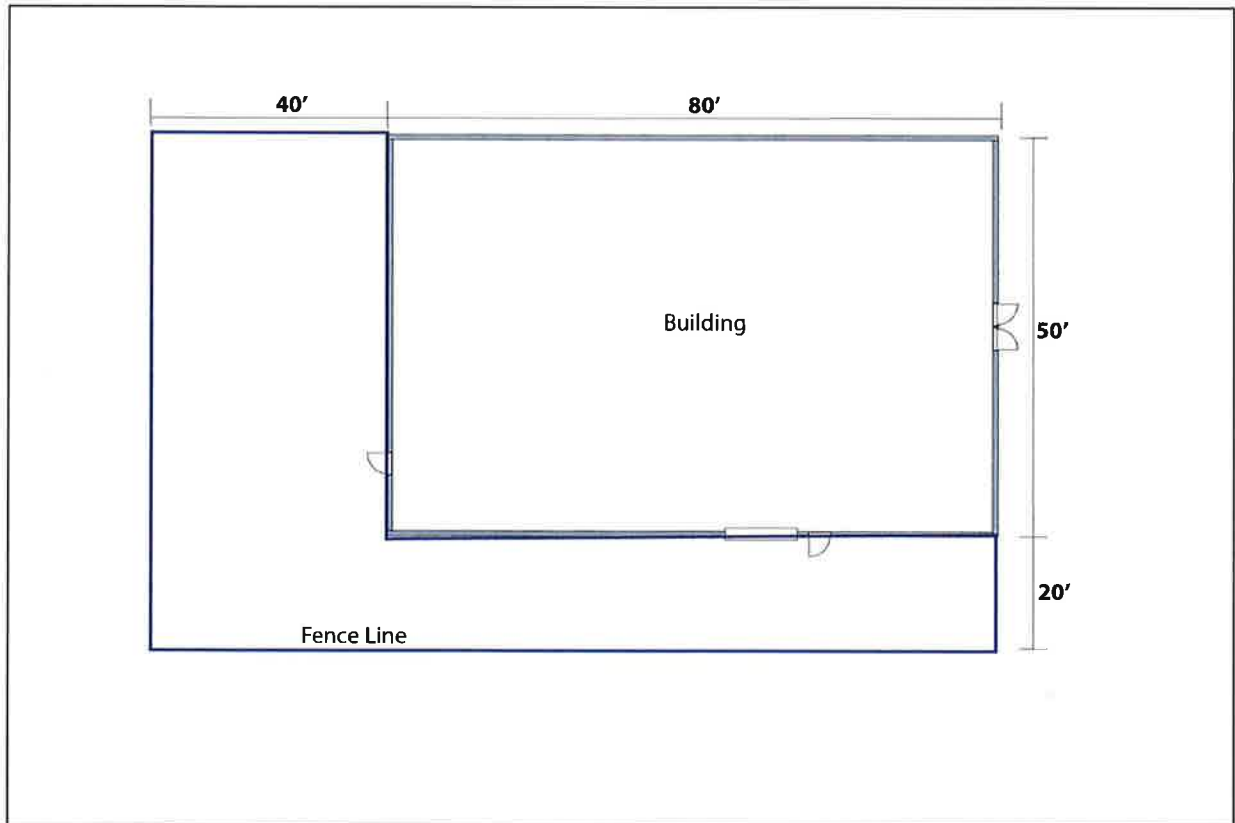
9/22/23  
Date

# OUTDOOR AREA DIAGRAM

HOW AREA WILL BE PATROLLED \_\_\_\_ Event for age 21 and over. Patrons will also be ID \_\_\_\_

- IF APPLICABLE, OUTDOOR AREA MUST BE CONNECTED TO INDOOR AREA IF INDOOR AREA IS TO LICENSED
- MEASUREMENT OF OUTER WALLS OF AREA TO BE LICENSED MUST INCLUDED LENGTH & WIDTH IN FEET
- DOUBLE FENCING IS REQUIRED FOR ALL NON-PROFIT ORGANIZATIONS UNLESS FORM #140 IS FILED WITH THIS FORM AND IS APPROVED BY THE COMMISSION
- RETAILER LIQUOR LICENSE HOLDERS ARE NOT REQUIRED TO DOUBLE FENCE, ALTHOUGH MEASURES NEED TO BE TAKEN TO SECURE THE AREA

DIAGRAM OF PROPOSED AREA:



3. Presentation of the Proposed FY2023-2024 Budget - City Administrator Butcher



City of Seward  
537 Main Street  
Seward NE 68434  
Phone: 402-643-2928

## MEMORANDUM

Date: September 1, 2023  
To: Mayor and City Council  
To File: Budget 2023-2024  
From: Greg Butcher, City Administrator  
Re: Highlights and Notes on the FY 2023-2024 Budget

Herein you will find notes and items related to the City of Seward fiscal year 2023-2024 budget. This memo hopes to outline a few of the highpoints, points of general interest, and also some specific details to be aware of. With the crunch on time with getting this budget finalized my hope was this memo will help guide some of the discussion at our initial meeting and prepare councilmembers for a deep dive into items of interest or concern.

### **General Items:**

These items apply across the board to all departments and relate to wages, benefits, and property/workers comp/liability insurance coverage.

**Benefits:** After last year's 0% increase we have received an average of 2.1% this year. The increase is distributed proportionally across both the City and the employees.

**Wages COLA:** The proposed budget has a 3.5% cost of living adjustment (COLA). Per guidance from the City Council Personnel, Finance and Audit Committee the administration reviews the twelve (12) month consumer price index (CPI), inflation rate and relevant measures in June/July of each year to recommend a COLA for the budget. The May number was 4%, June 3%, and July 3.2%. The Social Security adjustment for 2022 was 8.7%. The average COLA of other Nebraska municipalities surveyed by the administration was approximately 3.5%.

**Property/Workers Comp/Liability Insurance:** The City does not anticipate substantial increases in workers comp over the next year, as of the production of this memo the final insurance and workers comp were not yet available. Unfortunately, due to increased payouts in relation to numerous storm claims in the region/state/country, premiums have increased significantly. Based upon recommendations from Mark Suhr we have conservatively added a 20% increase to the 2023-2024 premiums.



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### **Administration:**

The major items in Administration are the revenues of Property Tax and Sales Tax. The City is anticipating a 10% increase in total valuation (\$613 million to \$671 million) in 2024. Residential property went up significantly again. The recommended City levy in this budget will remain at 0.293 and 0.328 total when combined with the Seward Airport Authority. The Seward Airport Authority did not reduce their tax levy ask from the prior year (0.035).

As for sales tax, the City has experienced continued growth due to online sales tax being collected by all online retailers. FY 2022-2023 was another good year for sales tax. We will continue to make payment of the debt service on the FY 2019-2020 bonded street projects (Waverly Rd, East Seward, & N. Columbia) from sales tax. These items will utilize available sales tax as part of our debt service for the next seven (7) years. Finally, sales tax revenues for the Seward Wellness Center (SWC) are also included in this budget. They were once again laid out in the Capital Improvements sheet as required by the grants we will be receiving and our auditors. We are planning for our first full year of sales tax revenue for the SWC, which will total \$792,000 in fiscal year 2023-2024.

### **Building Inspections:**

No significant changes. Revenue was high for recent years due to roof and storm repair permits, but we also reduced the ROW permit fees significantly to help export fiber opportunities and competition.

### **CDBG:**

No significant items other than the closeout of the current DTR Phase III projects. The CDBG Reuse Loan Fund was closed out and all money spent in 2019-2020 (Café on the Square & Bottle Rocket).

### **Cemetery:**

We will be purchasing additional gravel for roadways (\$5,000) and asphaltting areas of the North Cemetery and Greenwood Cemetery ((\$22,000) as crews are available.

### **Civic Center:**

The most significant item is funds to renovate the entire east building upstairs and a portion of the east basement, and finally put in the needed ADA access between the east and west portions of the upstairs buildings. City Administration, the Civic Center Commission, Civic Center Manager, and Langworthy Trust Trustee Ken Morgan felt that \$1.7 million is a reasonable amount to undertake Phase 1 (east building upstairs and ADA) and a portion of Phase 2 (east basement). Should bids come in high, portions of Phase 2 would not be included. Discussions will be ongoing in 2023-2024 on the use and status of the Old Jones Bank Building.

### **Debt Service:**

No major adjustments from the prior year. We saw our first significant role off of bond payments in FY 2022-2023. (\$397,152 in FY 2022-23, and \$237,393 in FY 2023-24). These were



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all general obligation bonds, golf course debt, public safety tax allocation, and highway allocation bonds.

### **Dowding Pool:**

We will need to replace the diving board that was damaged during pool repair \$20,000. We made significant maintenance items and procedures to ensure leaks and plumbing issues are reduced in the future. We are also working with Schemmer on engineer parameters to monitor any subsurface issues.

### **LB 840:**

No significant items. We budgeted to spend the \$150,000 in sales tax proceeds and all the loan repayment receipts. We will need to begin the discussion of re-upping the program immediately at the end of 2023.

### **Electric:**

City Administration is recommending a 3% increase in overall rates. After three (3) years of rate increases (1.5% 2020; 3.0% 2021; & 3.0% 2022) we feel that the electric fund can handle a year of relief. NMPP did recommend a 2.6% increase in rates for FY 2023-2024.

We will continue to recommend that all property sales proceeds from the Rail Campus be returned to the Electric Fund as those funds were used to acquire the land the new Rail Campus substation resides on.

We have begun the process of moving to the new AMI system for meters in electric. This will be a significant cost over the next fiscal year. Due to supply chain issues meters were acquired in FY 2022-2023 for the first time. As part of our updated strategic plan we are looking to place another 10MW substation near the Rail Campus, wither in the Rail Campus Substation or the Walker Substation \$2,000,000.

### **Engineering:**

No significant items.

### **Fire and Rescue:**

The major items for FY 2022-2023 are the improvements around the building and preparation of a long term plan for the north property. Also the first loan payment on a replacement for Tanker #42 was delay into FY 2023-2024, as the chassis is still not ready. We have been waiting over two years for this apparatus. While billing funds continue to come in we will have a full year of billing in the coming fiscal year. The funds are placed in a sinking fund and can only be used for volunteer fire department purposes.

### **Golf:**

Golf saw a continued usage in 2022-2023. We will continue to work on drainage issues and utilize in house labor. The full cart path project was completed in 2023. Plans for moving the driving range will progress in line with the development of the Fairway Woods Addition 2<sup>nd</sup> Phase.



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**Levee:**

We have secured a Federal Hazard Mitigation Grant to cover the costs of the pump house improvements to automate the system, improve safety features, and increase capacity. The first Phase will be design and planning. Once complete a fiscal analysis will be done to see if the project is economical in its benefit to the community as it relates to flood protection. A new budget sheet was created for this project as a requirement of the grant, project kickoff was held in Seward in August 2023.

**Library:**

No significant changes, we continue to work through a number of staffing changeovers.

**Parks and Rec:**

No significant changes. We finished the campground near the four-plex, and are planning for space for an archery range similar to the City of Milford. Improvements to shade the bandshell are planned with numerous options being explored to save money while being practical and aesthetically pleasing.

**Planning and Zoning:**

No significant changes. The planning department will look to free and online trainings to support the volunteer members of the planning commission and zoning board of adjustment.

**Police:**

We continue to purchase police vehicles on a rotating five (5) year basis. By buying these outright each year on this rotation schedule we can save on the costs of financing. We have nearly \$33,500 in equipment upgrades/replacements (radars, radios, computers, cameras, etc) that will need to be handled next year.

**Rail Campus:**

No significant items. We kept \$20,000 available for any engineering items that may need to be done outside of our engineering department, this would likely relate to any project engineering on the optioned western half of the Rail Campus as fully designed.

**Recycling:**

No significant items. Revenues for the sales of recyclable materials continue to be all over the board.

**Senior Center/Senior Shuttle:**

Only significant item is replacing the flooring (\$30,000) which slipped from last year into the upcoming 2023-23 budget.



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**Street:**

Street items are significant, including the final paving of East Seward Street, Highway 15 stormwater improvements,. Design work is set to begin on a number of items as well in coordination with the approve One and Six Year Street Plan.

**TIF:**

No significant changes. This is hard to estimate until projects come forward. We planned for a normal year of costs and related administrative expenses.

**Wastewater:**

Wastewater has a 15% rate increase this year. This was near the recommendation of the NMPP rate study conducted this past year. We will need to continue to generate revenues to help offset future upfront costs for the new wastewater treatment plant. This portion of the increase will be a capital facility fee that is placed in the wastewater sinking fund to help cover costs of the new facility. We will continue to work on federal and state funding options/grants to offset the estimated \$32,000,000 project, but recent funds that have become available for this program have been tied to low to moderate income (LMI) census tracts and cities, which Seward does not qualify for due to our relative affluence as compared to the average communities in Nebraska. A monthly \$46 residential bill would increase to \$53.

**Water:**

Water has a recommended 0% rate increase this year. We have a number of significant projects including water main replacements and construction work on a new tower to replace the downtown tower as part of our long-term water plan. The zero-rate increase is directly related to the City utilizing all of our federal ARPA funds for the water tower replacement (\$1,200,000 over two years). Additionally, Seward County has approved a \$300,000 contribution to the City for our water tower project from their ARPA fund distribution. Water main replacements along Highway 15 prior to the reconstruction of that project have now taken precedent due to the finalization of the calendaring for the Highway 15 reconstruction/widening.

**Wellness Center**

The last item is the wellness center O/M budget. No anticipated costs are associated with the budget other than the director to guide the stages of the building development, construction, program certification, and equipment. The director can also assist with the Public Properties department while the building is getting built.



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**CIP ITEMS AND GENERAL FUND BUDGET DEFICIT**

In order for the 2023-2024 General Fund Budget (minus Street Expenses) to run without a deficit a number of CIP items will need to be considered for inclusion. The following items will need to be prioritized for funding, delayed, other sources of funding identified, or some other item not listed removed:

<b>Item:</b>	<b>Cost FY 23-24</b>	<b>Options:</b>
Cemetery Asphalt	\$ 22,000.00	Perpetual Care
Cemetery Utility Vehicle	\$ 30,000.00	Perpetual Care
Pool Diving Board	\$ 20,000.00	Insurance
Golf Hole #5 Pond	\$ 90,000.00	Delay
Library West Entrance Remodel	\$ 11,000.00	Library Foundation
Library Lower Level Tech.	\$ 25,000.00	Library Foundation
Archery Range Plum Creek	\$ 4,000.00	Delay/Donation
Replace John Deere Mower (Delay)	\$ 26,000.00	Delay
West Field Bleacher Expansion	\$ 27,000.00	SPS/Concordia
Plum Creek Concessions/Bathrooms	\$ 197,000.00	Delay
Police Storage Shed	\$ 15,000.00	Delay
Police Locker Room	\$ 15,000.00	Delay
Police Bikes	\$ 1,500.00	Donations
Senior Center Floor	\$ 30,000.00	Senior Center Fund
Rescue Squad #99 (Partial)	\$ 160,000.00	Use Billing Funds
<b>Total:</b>	<b>\$ 673,500.00</b>	
<b>General Fund Revenues:</b>	<b>\$ 8,417,751.00</b>	
<b>General Fund Expenses:</b>	<b>\$ (9,090,350.00)</b>	
<b>*Current General Fund Deficit:</b>	<b>\$ (672,599.00)</b>	
<b>*(Minus Street Transfer)</b>		

CITY OF SEWARD																	
2023-2024 BUDGET																	
CASH SUMMARY																	
	CASH	ACTUAL	ACTUAL	ACTUAL		ACTUAL	BUDGETED	ESTIMATED	ESTMATED	BUDGETED	ESTIMATED	ESTIMATED	PROPOSED	PROPOSED	PROPOSED		
	10/1/2021	2021-2022	2021-2022	2021-2022		9/30/2022	2022-2023	2022-2023	2022-2023	2022-2023	2022-2023	9/30/2023	2023-2024	2023-2024	2023-2024		ENDING
	BALANCE	REVENUES	TRANSFERS	EXPENSES	Difference	CASH	REVENUES	REVENUES	TRANSFERS	EXPENSES	EXPENSES	CASH	REVENUES	TRANSFERS	EXPENSES	Difference	9/30/2024
<b>GENERAL FUND:</b>																	
Administration	6,118,941	- 0 -	- 0 -	- 0 -	- 0 -	6,118,941	4,603,723	4,738,216	(2,480,000)	(2,858,653)	(301,299)	8,075,858	4,831,060	(1,500,000)	(359,397)	2,971,663	11,047,520
Building & Codes		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	82,750	130,190		(111,406)	(86,823)	43,367	100,750		(120,205)	(19,455)	23,912
Cemetery		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	50,250	72,290		(256,210)	(257,286)	(184,996)	61,250		(235,979)	(174,729)	(359,725)
Civic Center		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	304,708	307,745		(304,708)	(307,745)	- 0 -	1,864,491		(1,864,491)	0	0
Dowding Pool		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	97,900	94,643		(275,551)	(253,731)	(159,088)	97,900		(293,371)	(195,471)	(354,559)
Fire & Rescue		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	592,300	236,128		(775,879)	(246,692)	(10,564)	582,000		(978,490)	(396,490)	(407,054)
Golf		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	338,300	422,910		(554,926)	(569,060)	(146,150)	361,700		(643,762)	(282,062)	(428,212)
Levee Accreditation		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	146,250	- 0 -		(195,000)	(11,841)	(11,841)	146,250		(195,000)	(48,750)	(60,591)
Library		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	49,787	91,405		(571,336)	(808,410)	(717,005)	40,200		(577,412)	(537,212)	(1,254,217)
Parks & Rec		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	100,930	120,001		(979,992)	(1,037,174)	(917,173)	111,175		(1,131,748)	(1,020,573)	(1,937,746)
Planning Commission		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	5,100	4,250		(23,828)	(18,538)	(14,288)	5,100		(21,826)	(16,726)	(31,014)
Police		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	48,100	5,680		(1,990,598)	(1,940,457)	(1,934,777)	8,150		(2,101,497)	(2,093,347)	(4,028,124)
Rail Campus		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	3,000		(35,500)	(35,500)	(32,500)	- 0 -		(40,000)	(40,000)	(72,500)
Recycling		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	4,000	600		(113,675)	(28,651)	(28,051)	2,250		(28,569)	(26,319)	(54,370)
Senior Center		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	80,500	69,782		(219,128)	(173,545)	(103,763)	80,500		(230,620)	(150,120)	(253,883)
Senior Shuttle		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	4,569	4,000		(4,569)	(4,558)	(558)	4,600		(4,624)	(24)	(582)
Engineering		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	118,143	114,054		(157,522)	(152,071)	(38,017)	120,375		(160,499)	(40,124)	(78,141)
Wellness Center		- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -		(24,281)	(36,934)	(36,934)	- 0 -		(102,860)	(102,860)	(139,794)
	6,118,941	- 0 -	- 0 -	- 0 -	- 0 -	6,118,941	6,627,310	6,414,894	(2,480,000)	(9,452,762)	(6,270,315)	3,783,520	8,417,751	(1,500,000)	(9,090,350)	(2,172,599)	1,610,920
<b>SPECIAL REVENUE FUNDS</b>																	
Cemetery Perpetual Care	248,146	- 0 -	- 0 -	- 0 -	- 0 -	248,146	8,750	11,149		(145)	(145)	259,150	9,825		(145)	9,680	268,830
CDBG Fund	17,511	- 0 -	- 0 -	- 0 -	- 0 -	17,511	335,000	200,000		(335,000)	(200,000)	17,511	135,000		(135,000)	- 0 -	17,511
LB840 Fund	254,449	- 0 -	- 0 -	- 0 -	- 0 -	254,449	284,799	289,939		(284,799)	(284,699)	259,689	289,500		(289,500)	- 0 -	259,689
TIF	186,542	- 0 -	- 0 -	- 0 -	- 0 -	186,542	687,206	687,206		(696,706)	(696,706)	177,042	687,206		(696,706)	(9,500)	167,542
<b>CAPITAL PROJECTS FUND</b>																	
	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	18,890,000	450,000		(18,890,000)	- 0 -	450,000	14,792,000		(15,242,000)	(450,000)	- 0 -
<b>DEBT SERVICE FUND</b>																	
	347,685	- 0 -	- 0 -	- 0 -	- 0 -	347,685	849,726	874,917		(1,047,926)	(1,047,926)	174,676	648,152	186,841	(830,993)	4,000	178,676
<b>STREET FUND</b>																	
	1,654,389	- 0 -	- 0 -	- 0 -	- 0 -	1,654,389	3,877,319	1,551,254	2,480,000	(5,530,934)	(3,583,113)	2,102,530	1,546,693	1,500,000	(5,206,805)	(2,160,112)	(57,582)
<b>ENTERPRISE FUNDS:</b>																	
Electric	5,722,496	- 0 -	- 0 -	- 0 -	- 0 -	5,722,496	11,259,500	11,515,895		(13,347,441)	(11,526,852)	5,711,540	11,605,750		(13,616,911)	(2,011,161)	3,700,379
Water	4,869,373	- 0 -	- 0 -	- 0 -	- 0 -	4,869,373	2,335,000	2,319,100		(5,662,654)	(3,922,100)	3,266,373	5,508,500		(7,289,284)	(1,780,784)	1,485,589
Sewer	2,484,959	- 0 -	- 0 -	- 0 -	- 0 -	2,484,959	2,129,700	2,117,800		(2,577,395)	(2,754,196)	1,848,563	24,428,200		(24,044,285)	383,915	2,232,478
	13,076,828	- 0 -	- 0 -	- 0 -	- 0 -	13,076,828	15,724,200	15,952,795	- 0 -	(21,587,490)	(18,203,148)	10,826,476	41,542,450	- 0 -	(44,950,480)	(3,408,030)	7,418,445
<b>GRAND TOTAL</b>																	
	21,904,491	- 0 -	- 0 -	- 0 -	- 0 -	21,904,491	47,284,310	26,432,154	- 0 -	(57,825,762)	(30,286,051)	18,050,593	68,068,577	186,841	(76,441,980)	(8,186,562)	9,864,031

2023/2024							Updated 9-1-2023
<b>ADMINISTRATION - GENERAL</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
501.021	Administration General Revenue - Motor Vehicle Prop Taxes - Restricted	183,067	180,259	160,000	177,000	165,000	
501.025	Administration General Revenue - Motor Vehicle Taxes - Pro Rated - Restricted	4,392	4,898	3,800	5,000	4,000	
501.85	Administration General Revenue - State Aid	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
501.87	Administration General Revenue - Municipal Equalization (State)	14,706	26,953	71,779	71,779	68,261	
<b>Total</b>		<b>202,165</b>	<b>212,109</b>	<b>235,579</b>	<b>253,779</b>	<b>237,261</b>	
501.01	Administration General Revenue - City Sales Tax - Restricted - from State.	1,018,240	986,153	951,963	1,000,000	983,848	Total sales tax of 2.845M less \$644,152 debt service; \$150,000 LB840; \$275,000 motor vehicle sales tax; \$792,000 wellness center/capital improvement fund. (Note: \$0 NE Advantage Act Refunds Deducted Prior to Sales Tax Received)
<b>Total</b>		<b>1,018,240</b>	<b>986,153</b>	<b>951,963</b>	<b>1,000,000</b>	<b>983,848</b>	
501.90	Administration General Revenue - Non Operating.	2,641	20,837	3,500	27,000	3,500	
501.901	Administration General Revenue - Grants	- 0 -	- 0 -	- 0 -	7,050	- 0 -	
501.903	Administration General Revenue - Non Operating Interest Income.	6,996	14,556	7,500	84,000	15,000	
<b>Total</b>		<b>9,637</b>	<b>35,393</b>	<b>11,000</b>	<b>118,050</b>	<b>18,500</b>	
501.56	Administration General Revenue - Donations	40,821	23,595	100,000	23,843	100,000	Offset 502.50

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
501.95	Administration - General Gain/Loss on Disposal	3,740	- 0 -	- 0 -	- 0 -	- 0 -	
501.999	Administration - General Transfers To/From Other	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>44,562</b>	<b>23,595</b>	<b>100,000</b>	<b>23,843</b>	<b>100,000</b>	
501.02	Administration General Revenue - Property Taxes	1,721,100	1,717,671	1,740,071	1,740,071	1,901,591	\$671,055,752/100*.299 (mil)/1.01 (County Treas Commission); Less Homestead Ex \$70,000; Less Fire \$15,000
501.022	Administration General Revenue - Interest on Taxes	2,912	2,718	2,600	2,600	2,600	
501.023	Administration General Revenue - Homestead Exemption	66,481	68,860	62,000	62,000	70,000	
501.026	Administration General Revenue - In Lieu of Taxes	33	22	50	34	50	
501.027	Administration General Revenue - Railroad/Carline Tax	84	236	- 0 -	175	175	
501.029	Administration General Debt Service Excess	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>1,790,611</b>	<b>1,789,506</b>	<b>1,804,721</b>	<b>1,804,880</b>	<b>1,974,416</b>	
501.03	Administration General Revenue - Unemployment Tax	15	13	10	60	60	Interest
<b>Total</b>		<b>15</b>	<b>13</b>	<b>10</b>	<b>60</b>	<b>60</b>	
501.061	Administration General Occupation Tax Revenue - Liquor	10,890	12,760	11,000	11,000	11,000	
501.062	Administration General Occupation Tax Revenue - Coin Op Amusement	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Repealed by City Council
501.063	Administration General Occupation Tax Revenue - Natural Gas	176,264	124,715	150,000	151,484	150,000	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
501.064	Administration General Occupation Tax Revenue - Electric Franchise	1,085,329	1,142,276	1,121,950	1,147,590	1,139,800	Offset 214.85
501.065	Administration General Occupation Tax Revenue - Telecom-Land	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Combined with 501.069
501.066	Administration General Occupation Tax Revenue - Cable TV.	67,672	64,793	62,000	67,075	62,000	
501.067	Administration General Occupation Tax Revenue - Water.	109,079	115,670	100,500	115,455	109,175	Offset 313.85
501.068	Administration General Occupation Tax Revenue - Sewer.	88,952	96,294	- 0 -	- 0 -	- 0 -	Offset 413.89; Reduced to 0% (FYE 9-30-2023)
501.069	Administration General Occupation Tax Revenue - Mobile Telephone.	62,415	54,619	55,000	45,000	45,000	Combined with 501.065
<b>Total</b>		<b>1,600,601</b>	<b>1,611,127</b>	<b>1,500,450</b>	<b>1,537,604</b>	<b>1,516,975</b>	
<b>Total Administrative Revenue</b>		<b>4,665,830</b>	<b>4,657,895</b>	<b>4,603,723</b>	<b>4,738,216</b>	<b>4,831,060</b>	
502.01	Administration General Adm Operating - Salaries	43,675	45,204	48,898	48,898	50,332	
502.02	Administration General Adm Operating - Social Security	3,330	3,457	3,741	3,741	3,851	
502.03	Administration General Adm Operating - Overtime	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
502.04	Administration General Adm Operating- Group Insurance	4,610	4,972	5,440	5,440	5,341	
502.05	Administration General Adm Operating - Retirement	1,196	1,254	1,482	1,530	1,568	
502.059	Administration General Adm Operating - Wellness	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
502.06	Administration General Adm Operating - Insurance	7,380	8,293	10,934	11,947	14,336	
502.07	Administration General Adm Operating - Audit & Accounting	810	810	834	834	808	AMGL \$245; EMMA Filing \$563
502.11	Administration General Adm Operating - Office Supplies, Postage & Freight	3,078	2,494	4,000	4,300	4,125	Inventory Tags \$125
502.12	Administration General Adm Operating - Vehicle Expense	80	24	1,500	200	1,500	
502.162	Administration General Adm Operating - Telephone	840	860	1,100	900	1,100	Spectrum (City Hall fax/ postage) \$540; Spectrum (Muni Bldg) \$360; US Cellular \$120
502.163	Administration General Adm Operating - Data Transmission	5,880	5,880	5,880	5,880	5,880	Great Plains Bill for City Hall & Muni Bldg
502.36	Administration General Adm Operating - Service/Maintenance Agrmts	4,941	3,239	35,000	35,000	4,316	General Code Updated \$3,500; City Hall/Muni Bldg Copier \$506; Pitney Bowes Meter Rent \$135; Pitney Bowes Annual Maint \$85; Paper Tiger Shredding \$90;
502.42	Administration General Adm Operating - Dues, Memberships, Training, Mileage	5,670	8,756	7,200	8,000	8,449	
502.44	Administration General Adm Operating - Publications Fees	2,621	3,415	3,000	3,000	3,000	
502.53	Administration General Adm Operating - Info. Technology	1,689	2,014	2,560	2,560	2,528	gWorks/SimpleCity \$213; BIZCO \$379; Email Migration/Server \$58; Agenda Mgmt \$1,118; ".GOV" Domain \$400; Accounting Software Upgrade \$360

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
502.56	Administration General Adm SCEDC (Seward County Economic Development Corporation)	69,525	69,525	71,611	71,611	73,760	Seward County Chamber & Development Partnership
502.57	Administration Chamber of Commerce	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Combined with 502.56
502.58	Administration General Adm O & M - Debt Service - P & I	298	- 0 -	- 0 -	- 0 -	- 0 -	
502.59	Administration General Adm Operating - Community Texting System	106	120	121	148	141	
502.60	Administration General Adm Operating - Miscellaneous	1,782	2,581	2,500	1,500	2,500	
502.75	Administration General Adm O & M - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
502.994	Administration General Adm General - Depreciation	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
502.995	Administration General Adm General - Amortization	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
502.996	Administration General Adm General - Amortization on refunding bonds	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>157,511</b>	<b>162,896</b>	<b>205,801</b>	<b>205,489</b>	<b>183,535</b>	
506.01	Administration General Adm Legal - Salaries	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
506.02	Administration General Adm Legal - Social Security	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
506.06	Administration General Adm Legal - Insurance	882	867	1,144	1,133	1,360	
506.07	Administration General Adm Operating - Audit & Accounting	83	83	91	80	82	AMGL \$82
506.11	Administration General Adm Operating - Office Supplies, Postage & Freight	18	15	100	20	100	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
506.36	Administration General Adm Operating - Maintenance Agrmts	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
506.42	Administration General Adm Operating - Dues, Memberships, Training, Mileage	8	4	5	5	5	
506.48	Administration General Adm Operating - Spec. Attorney Fees	4,132	8,301	12,500	8,000	12,500	Woods & Aitken; Erickson & Sederstrom; Any Special Counsel
506.49	Administration General Adm Operating - City Attorney Contract	58,507	57,250	57,000	57,000	60,000	City Attorney Contract
506.50	Administration General Adm Operating - Seward County Prosecutor Agreement	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Police Dept Budget 512.63
506.51	Administration General Adm Operating - City Labor Attorney	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Combined with 506.48
506.53	Administration General Adm Operating - Information Technology	209	206	272	272	315	gWorks/SimpleCity \$36; BIZCO \$190; Email Migration/Server \$29; Accounting Software Upgrade \$60
506.57	Administration General Adm O & M - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
506.60	Administration General Adm Operating - Miscellaneous	2,298	1,973	1,740	500	1,500	
<b>Total</b>		<b>66,137</b>	<b>68,699</b>	<b>72,852</b>	<b>67,010</b>	<b>75,862</b>	
<b>Total Administrative - General Operating Expense</b>							
		<b>223,648</b>	<b>231,594</b>	<b>278,653</b>	<b>272,499</b>	<b>259,397</b>	
502.50	Administration General Adm General - Donations	25,935	4,610	100,000	25,000	100,000	Offset by 501.56

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
502.95	Administration General Adm General - Transfers to Other Funds	805,000	990,000	2,480,000	2,480,000	1,500,000	Transfer to Street - 521.95
<b>Total</b>		<b>830,935</b>	<b>994,610</b>	<b>2,580,000</b>	<b>2,505,000</b>	<b>1,600,000</b>	
<b>Total Administrative - General Administrative Expense</b>		<b>1,054,583</b>	<b>1,226,204</b>	<b>2,858,653</b>	<b>2,777,499</b>	<b>1,859,397</b>	
502.80	Administration General Capital Projects - Fixed Assets - C.I.P.	- 0 -	337,961	- 0 -	3,800	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>337,961</b>	<b>- 0 -</b>	<b>3,800</b>	<b>- 0 -</b>	
<b>Total Administrative - C.I.P Expense</b>		<b>- 0 -</b>	<b>337,961</b>	<b>- 0 -</b>	<b>3,800</b>	<b>- 0 -</b>	
<b>Total Administrative - General Expense + C.I.P.</b>		<b>1,054,583</b>	<b>1,564,165</b>	<b>2,858,653</b>	<b>2,781,299</b>	<b>1,859,397</b>	
<b>Total Administrative</b>		<b>3,611,247</b>	<b>3,093,730</b>	<b>1,745,070</b>	<b>1,956,917</b>	<b>2,971,663</b>	

2023/2024							Updated 9-1-2023
<b>BUILDING &amp; CODES</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
581.01	Revenue - Building Permits	71,902	168,667	52,000	85,000	70,000	
581.02	Revenue - Electrical Permits	2,741	3,107	1,000	750	1,000	
581.03	Revenue - Water Permits	14,069	19,561	14,000	14,000	14,000	
581.04	Revenue - ROW Permits	17,448	10,515	1,200	6,000	1,200	
581.05	Revenue - Mechanical Permits	10,475	15,357	14,000	24,000	14,000	
581.06	Revenue - Home Occ Permits	280	270	250	140	250	
581.45	Revenue - Property Maint Fee	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
581.46	Revenue - Plan Rev/Permits	1,855	- 0 -	- 0 -	- 0 -	- 0 -	Combined with 581.01
581.90	Revenue - Non-Operating	282	541	300	300	300	
<b>Total Building Fund Revenue</b>		<b>119,053</b>	<b>218,019</b>	<b>82,750</b>	<b>130,190</b>	<b>100,750</b>	
<b>Total Building Fund Revenue</b>		<b>119,053</b>	<b>218,019</b>	<b>82,750</b>	<b>130,190</b>	<b>100,750</b>	
582.01	Admin O & M - Salaries	43,076	48,608	52,107	52,107	54,899	
582.02	Admin O & M - Social Security	3,276	3,695	3,987	3,987	4,200	
582.03	Admin O & M - Overtime	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
582.04	Admin O & M - Group Ins	4,825	5,400	5,594	5,594	5,493	
582.05	Admin O & M - Retirement	2,209	2,895	3,127	3,127	3,294	
582.059	Admin O & M - Wellness	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
582.06	Admin O & M - Insurance	4,932	5,202	6,859	6,795	8,154	
582.07	Admin O & M - Audit & Accounting	248	248	271	240	245	AMGL \$245
582.11	Admin O & M - Office Supplies, Postage, Freight & Uniforms	1,104	1,410	2,000	1,200	2,000	
582.12	Admin O & M - Gas & Oil	245	323	450	200	450	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
582.16	Admin O & M - City Use Utilities	1,649	1,687	2,000	2,000	2,000	
582.162	Admin O & M - Telephone	475	411	300	300	300	50% Cell Reimb \$180; Spectrum (phone) \$120
582.20	Admin O & M - Repairs Maintenance on Equipment	388	570	2,000	300	5,000	Vehicle Safety Lighting \$3,000
582.36	Admin O & M - Service Maintenance Agreements	4,326	4,911	4,925	4,925	5,540	Janitor Contract \$4,220; City Hall/ Muni Bldg Copier \$540; New Plotter Service Agreement \$780
582.42	Admin O & M - Dues, Memberships, Training, Mileage	448	1,225	4,000	2,500	4,000	
582.45	Admin - Special Projects - Demolition Nuisance Abatement	- 0 -	850	15,000	- 0 -	20,000	
582.46	Admin - Special Projects - Plan Reviews	- 0 -	960	1,000	250	1,000	
582.53	Admin O & M - Information Technology	1,964	2,591	2,700	2,900	2,989	Adobe \$260; BIZCO \$758; Email Migration/Server \$115; gWorks/GIS \$710; gWorks/SimpleCity \$426; Accounting Software Upgrade \$720
582.58	Admin O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
582.59	Admin O & M - Community Text System	106	120	121	148	141	
582.60	Admin O & M - Miscellaneous Summary	350	- 0 -	1,500	250	500	
582.75	Admin O & M - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
582.83	Admin O & M - Strategic Plan	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
582.84	Admin O & M - Technology/Software Licensing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Coding all to 582.53
<b>Total</b>		<b>69,621</b>	<b>81,107</b>	<b>107,941</b>	<b>86,823</b>	<b>120,205</b>	
<b>Total Building &amp; Codes Operating Expense</b>		<b>69,621</b>	<b>81,107</b>	<b>107,941</b>	<b>86,823</b>	<b>120,205</b>	
582.80	Capital Projects - Fixed Assets - Summary	- 0 -	3,966	3,465	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>3,966</b>	<b>3,465</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Building &amp; Codes C.I.P. Expenses</b>		<b>- 0 -</b>	<b>3,966</b>	<b>3,465</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Building &amp; Codes Expense + C.I.P.</b>		<b>69,621</b>	<b>85,073</b>	<b>111,406</b>	<b>86,823</b>	<b>120,205</b>	
<b>Total Building &amp; Codes</b>		<b>49,432</b>	<b>132,946</b>	<b>(28,656)</b>	<b>43,367</b>	<b>(19,455)</b>	

2023/2024							Updated 9-1-2023
<b>CDBG/ECON DEVELOPMENT</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
527.10	Revenue - Loan Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
527.22	Revenue - Principal Repayment	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
527.25	Revenue - Interest Repayment	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
527.50	Revenue - Income	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
527.51	Revenue - Ded Closeout	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
529.25	Revenue - Downtown Revitalization Grant Proceeds	87,868	20,698	335,000	200,000	135,000	Pending DTR Phase III Application Approval
<b>Total</b>		<b>87,868</b>	<b>20,698</b>	<b>335,000</b>	<b>200,000</b>	<b>135,000</b>	
529.10	CDGB Affordable Housing Revenue	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
529.16	CDBG Rural Entprs Asstance Revenue	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total CDBG Revenue</b>		<b>87,868</b>	<b>20,698</b>	<b>335,000</b>	<b>200,000</b>	<b>135,000</b>	
530.60	Affordable Housing/Energy	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
530.66	Rural Enterprise	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
530.72	Rail Site Development	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total CDBG Operating Expense</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
528.35	CDBG Economic Development Loan - Loan Administration	- 0 -	27	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>27</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
<b>Total CDBG Administrative Expense</b>		- 0 -	27	- 0 -	- 0 -	- 0 -	
528.30	CDBG Economic Development Loan - Loan Busi Dev Finan	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
528.40	CDBG Economic Development Loan - Loan PW/Infra/EC Dev	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
528.51	CDBG Economic Development Loan - Ded Close Out	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
530.65	CDBG DED Grant - Downtown Revitalization Project	90,293	20,698	335,000	200,000	135,000	Pending DTR Phase III Application Approval
530.67	CDBG DED Grant - Downtown Revitalization Project - City Match	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>90,293</b>	<b>20,698</b>	<b>335,000</b>	<b>200,000</b>	<b>135,000</b>	
<b>Total CDBG Expense</b>		<b>90,293</b>	<b>20,724</b>	<b>335,000</b>	<b>200,000</b>	<b>135,000</b>	
<b>Total CDBG</b>		<b>(2,426)</b>	<b>(27)</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	

2023/2024							Updated 9-1-2023
<b>CAPITAL IMPROVEMENTS</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
721.01	Revenue - City Sales Tax	- 0 -	- 0 -	390,000	450,000	792,000	(0.5% sales tax)
721.50	Revenue - Grants/Donations	- 0 -	- 0 -	4,500,000	- 0 -	- 0 -	
721.90	Revenue - Non-Operating Revenue	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
721.903	Revenue - Interest Income	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
721.995	Revenue - Transfers from Other Funds	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
721.999	Revenue - Bond/Loan Proceeds	- 0 -	- 0 -	14,000,000	- 0 -	14,000,000	Short Term Loan \$4.3M; Bond \$9.7M
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>18,890,000</b>	<b>450,000</b>	<b>14,792,000</b>	
<b>Total Capital Improvement Fund Revenue</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>18,890,000</b>	<b>450,000</b>	<b>14,792,000</b>	
722.25	Capital Imp - Administrative	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
722.60	Capital Imp - Miscellaneous	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
722.901	Capital Imp - Bond Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
722.929	Capital Imp - Bond Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
722.995	Capital Imp - Transfers to Other Funds	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Capital Improvement Fund Operating Expense</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
722.80	Capital Imp - Fixed Assets - C.I.P. - Land Development/Building	- 0 -	- 0 -	18,890,000	- 0 -	15,242,000	Design & Engineering \$1,000,000; Capital Construction \$14,242,000; All other funds covered by Seward Chaning the Game and Shovel Ready Grant

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
<b>Total</b>		- 0 -	- 0 -	18,890,000	- 0 -	15,242,000	
	<b>Total C.I.P. Capital Improvement Fund Expense</b>	- 0 -	- 0 -	18,890,000	- 0 -	15,242,000	
	<b>Grand Total Capital Improvement Fund Expenses + C.I.P.</b>	- 0 -	- 0 -	18,890,000	- 0 -	15,242,000	
	<b>Total Capital Improvement Fund</b>	- 0 -	- 0 -	- 0 -	450,000	(450,000)	

2023/2024							Updated 9-1-2023
<b>CEMETERY</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
561.02	Cemetery Space Sales	75,938	70,900	50,000	70,000	60,000	
561.912	Guthman Trust - Revenue - Regular	362	379	400	415	425	
561.913	Guthman Trust - Revenue - Paving	22	39	30	169	100	
561.914	Cemetery Perpetual Care - Revenue	9,600	10,800	8,000	7,500	7,500	
561.915	Cemetery Perpetual Care Revenue - Interest.	251	478	320	3,065	1,800	
563.963	New Dev - Interest Savings	208	371	250	2,290	1,250	
563.975	Sale of Lots for New Cemetery Develop	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	No remaining lots for sale
<b>Total</b>		<b>86,381</b>	<b>82,967</b>	<b>59,000</b>	<b>83,439</b>	<b>71,075</b>	
<b>Total Cemetery Revenue</b>		<b>86,381</b>	<b>82,967</b>	<b>59,000</b>	<b>83,439</b>	<b>71,075</b>	
562.912	Admin - O & M Guthman Trust	145	145	145	145	145	
564.40	New Cemetery Development from sales of lots.	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
565.01	Admin O & M - Salaries	82,028	88,681	101,275	101,275	94,270	
565.02	Admin O & M - Social Security	5,843	6,310	7,783	7,783	7,245	
565.03	Admin O & M - Overtime	297	208	452	452	430	
565.04	Admin O & M - Group Insurance	22,458	23,743	27,588	32,000	36,250	
565.05	Admin O & M - Retirement	3,958	4,959	5,690	4,500	5,256	
565.06	Admin O & M - Property Taxes on Lots	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	No remaining lots for sale
565.061	Admin O & M - Insurance	4,148	4,335	5,716	6,640	7,968	
565.11	Admin O & M - Supplies	480	687	1,500	1,500	1,500	
565.12	Admin O & M - Gas & Oil	3,112	4,040	5,000	5,000	5,500	
565.162	Admin O & M - Telephone	720	2,242	2,220	2,500	2,568	Windstream \$1,308; Cell Phone \$720; Verizon \$540
565.17	Admin O & M - Garbage	416	416	417	417	514	
565.20	Admin O & M - Repairs	3,614	2,025	4,000	4,000	4,000	
565.30	Admin O & M - Blds/Grnds Upkeep	3,014	9,141	13,500	10,000	8,500	Rock for Roads \$3,000

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
565.36	Admin O & M - Serv/Maint Agreement	45	268	51	51	60	City Hall/Muni Bldg Copier \$60
565.42	Admin O & M - Mbrships - Trn/Mil	320	191	300	300	1,200	
565.53	Admin O & M - Information Technology	1,111	6,067	7,318	7,318	7,318	gWorks/SimpleCity \$479; gWorks/GIS \$710; WebCemeteries \$5,000; Accounting Software Upgrade \$810
565.57	Admin O & M - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
565.58	Admin O & M - Debt Service P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
565.60	Admin O & M - Miscellaneous	630	1,211	900	1,050	900	
565.65	Admin O & M - Tree Plntg Progm	- 0 -	- 0 -	500	500	500	
565.84	Admin O & M - Technology/Software Licensing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Moved to 565.53
<b>Total</b>		<b>132,340</b>	<b>154,666</b>	<b>184,355</b>	<b>185,431</b>	<b>184,124</b>	
<b>Total Cemetery Operating Expense</b>		<b>132,340</b>	<b>154,666</b>	<b>184,355</b>	<b>185,431</b>	<b>184,124</b>	
565.80	C.I.P. Fixed Assets Total	41,158	41,118	72,000	72,000	52,000	Asphalt Greenwood/North \$22,000; Utility Vehicle \$30,000
<b>Total</b>		<b>41,158</b>	<b>41,118</b>	<b>72,000</b>	<b>72,000</b>	<b>52,000</b>	
<b>Total C.I.P. Cemetery Expense</b>		<b>41,158</b>	<b>41,118</b>	<b>72,000</b>	<b>72,000</b>	<b>52,000</b>	
<b>Total Cemetery Expenses + C.I.P.</b>		<b>173,497</b>	<b>195,785</b>	<b>256,355</b>	<b>257,431</b>	<b>236,124</b>	
<b>Total Cemetery &amp; Grounds</b>		<b>(87,116)</b>	<b>(112,818)</b>	<b>(197,355)</b>	<b>(173,992)</b>	<b>(165,049)</b>	

2023/2024							Updated 9-1-2023
<b>CIVIC CENTER</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
541.01	Revenue - Operation & Maintenance	156,215	144,761	149,708	152,745	164,491	Langworthy Trust Reimb
541.90	Revenue - Non-Operating	11,771	50,124	155,000	155,000	1,700,000	Reimb for Capital Items
<b>Total</b>		<b>167,985</b>	<b>194,884</b>	<b>304,708</b>	<b>307,745</b>	<b>1,864,491</b>	
<b>Total Civic Center Revenue</b>		<b>167,985</b>	<b>194,884</b>	<b>304,708</b>	<b>307,745</b>	<b>1,864,491</b>	
542.01	Admin O & M - Salaries	46,940	52,377	59,951	59,951	62,477	
542.02	Admin O & M - Social Security	3,121	3,960	4,587	4,587	4,780	
542.03	Admin O & M - Overtime	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
542.04	Admin O & M - Group Insurance	16,998	10,175	11,068	13,940	16,989	
542.05	Admin O & M - Retirement	- 0 -	2,028	2,552	2,645	2,678	
542.06	Admin O & M - Insurance	10,742	12,175	16,054	15,904	19,085	
542.07	Admin O & M - Audit & Accounting	331	331	361	320	326	AMGL \$326
542.11	Admin O & M - Supplies, Postage & Freight	5,804	3,375	3,000	4,000	4,000	
542.16	Admin O & M - City Use Utilities	14,316	15,734	15,000	15,000	17,000	
542.162	Admin O & M - Telephone	4,138	3,374	4,020	3,500	3,316	Phone/Internet Reimb \$2,500; US Cellular/Civic Ctr Cell \$816
542.163	Admin O & M - Natural Gas	10,127	9,325	10,000	9,500	10,000	
542.17	Admin O & M - Garbage	1,143	1,143	1,143	1,143	1,360	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
542.30	Admin O & M - Repairs Upkeep on Bldgs. & Grounds	15,097	12,377	15,000	15,000	15,000	
542.36	Admin O & M - Maintenance Agreements	5,441	4,456	3,621	4,500	4,120	Elevator \$2,220; City Hall/ Muni Bldg Copier \$60; Qtrly Fire Inspection \$780; Semi-Annual Inspection \$440; Securitas \$370; NE Fire Marshall \$120; General Fire Kitchen Hood \$130
542.42	Admin O & M - Dues, memberships, Training, Mileage	12	6	500	7	500	
542.53	Admin O & M - Information Technology	1,870	1,042	1,730	1,400	1,719	gWorks/SimpleCity \$284; Agenda Mgmt \$82; BIZCO \$758; Email Migration/Server \$115; Accounting Software Upgrade \$480
542.57	Admin O & M - Succession Plan	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
542.58	Admin O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
542.59	Admin O & M - Community Text System	106	120	121	148	141	
542.60	Admin O & M - Misc	3,888	920	1,000	1,200	1,000	
<b>Total</b>		<b>140,074</b>	<b>132,917</b>	<b>149,708</b>	<b>152,745</b>	<b>164,491</b>	
<b>Total Civic Center Operating Expense</b>		<b>140,074</b>	<b>132,917</b>	<b>149,708</b>	<b>152,745</b>	<b>164,491</b>	
542.80	Fixed Assets	27,911	13,924	155,000	155,000	1,700,000	ADA/Remodel Project \$1,700,000;
542.82	Admin Fixed Assets	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>27,911</b>	<b>13,924</b>	<b>155,000</b>	<b>155,000</b>	<b>1,700,000</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
	<b>Total C.I.P. Civic Center Expense + C.I.P.</b>	167,985	146,841	304,708	307,745	1,864,491	
	<b>Total Civic Center</b>	- 0 -	48,043	- 0 -	- 0 -	0	

2023/2024							Updated 9-1-2023
<b>DEBT SERVICE</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
501.50	Debt Service Fund Revenue - Taxes	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
501.501	Debt Service Fund Revenue - Interest	3,682	2,027	1,800	6,400	4,000	
501.502	Debt Service Fund Revenue - City Sales Tax	840,474	883,462	678,037	678,037	644,152	Total Debt Service - \$830,993 (\$644,152 from Sales Tax; \$169,889 STP)
501.503	Debt Service Fund Revenue - Transfers In	- 0 -	- 0 -	169,889	190,480	186,841	STP Funds - Transfer from Street
<b>Total</b>		<b>844,156</b>	<b>885,489</b>	<b>849,726</b>	<b>874,917</b>	<b>834,993</b>	
<b>Total Debt Service Revenue</b>		<b>844,156</b>	<b>885,489</b>	<b>849,726</b>	<b>874,917</b>	<b>834,993</b>	
522.901	Debt Service - General - Bond Principal	922,138	970,016	960,055	960,055	759,000	Current Gen Fund Bonded Projects
522.929	Debt Service - General Bond Interest	118,036	103,931	87,871	87,871	71,993	Current Gen Fund Bonded Projects
522.946	Debt - Unfunded Tax Credit Refunds	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>1,040,173</b>	<b>1,073,947</b>	<b>1,047,926</b>	<b>1,047,926</b>	<b>830,993</b>	
<b>Total Debt Service Debt Expense</b>		<b>1,040,173</b>	<b>1,073,947</b>	<b>1,047,926</b>	<b>1,047,926</b>	<b>830,993</b>	
<b>C.I.P. Debt Service Expense</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Debt Service Expenses + C.I.P.</b>		<b>1,040,173</b>	<b>1,073,947</b>	<b>1,047,926</b>	<b>1,047,926</b>	<b>830,993</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
	Total Debt Service	(196,018)	(188,458)	(198,200)	(173,009)	4,000	

2023/2024							Updated 9-1-2023
<b>DOWDING POOL</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
631.01	Dowding Pool Revenue - Sale of Tickets	83,781	86,411	80,000	78,700	80,000	
631.50	Dowding Pool Revenue - Donations/Grants	- 0 -	- 0 -	1,000	- 0 -	1,000	Offset 632.50
631.90	Dowding Pool Revenue - Non-Operating	25	32,959	- 0 -	43	- 0 -	
638.01	Concession - Pool- Revenue - Food Sales	700	900	900	900	900	
<b>Total</b>		<b>84,506</b>	<b>120,271</b>	<b>81,900</b>	<b>79,643</b>	<b>81,900</b>	
631.10	Dowding Pool Lessons Revenue - Swimming Lessons & Exercise Classes	14,291	15,280	16,000	15,000	16,000	
<b>Total</b>		<b>14,291</b>	<b>15,280</b>	<b>16,000</b>	<b>15,000</b>	<b>16,000</b>	
<b>Total Dowding Pool Revenue</b>		<b>98,797</b>	<b>135,550</b>	<b>97,900</b>	<b>94,643</b>	<b>97,900</b>	
632.01	Dowding Pool Adm O & M - Salaries	98,426	112,526	110,500	110,500	113,850	
632.02	Dowding Pool Adm O & M - Social Security	7,536	8,608	8,454	8,454	8,710	
632.03	Dowding Pool Adm O & M - Overtime	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
632.06	Dowding Pool Adm O & M - Insurance	15,736	17,377	22,912	22,699	27,239	
632.07	Dowding Pool Adm O & M - Audit & Accounting	661	661	721	639	651	AMGL \$651
632.08	Dowding Pool Adm O & M - Engineering/Consulting	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
632.11	Dowding Pool Adm O & M - Supplies, Postage & Freight	5,934	6,875	7,700	6,500	7,700	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
632.13	Dowding Pool Adm O & M - Chemicals	12,967	26,732	15,500	17,000	18,000	
632.16	Dowding Pool Adm O & M - City Use Utilities	34,450	17,205	36,000	28,000	36,000	
632.162	Dowding Pool Adm O & M - Telephone	890	402	1,000	600	500	Windstream \$500
632.163	Dowding Pool Adm O & M - Natural Gas	5,751	20,649	7,000	6,000	15,000	
632.17	Dowding Pool Adm O & M - Garbage	104	104	105	105	124	
632.20	Dowding Pool Adm O & M - Repairs to Main Pool - Vessel	46	1,659	30,000	10,000	7,500	
632.30	Dowding Pool Adm O & M - Repairs to Buildings and Grounds	24,567	23,847	19,000	26,000	19,000	Loungers \$3,000; Deck Piping \$8,000; Umbrella \$1,000;
632.36	Dowding Pool Adm O & M - Maintenance Agreements	1,183	1,249	1,300	1,520	1,370	Copier \$420; Heater Inspection \$900; Pool Permit Renewal \$50
632.42	Dowding Pool Adm O & M - Dues, Memberships,	(1,390)	(18)	1,500	2,200	1,500	
632.53	Dowding Pool Adm O & M - Information Technology	2,977	3,030	3,202	4,130	5,286	gWorks/SimpleCity \$657; Zoomshift \$450; BIZCO \$2,274; Email Migration/Server \$345; Accounting Software Upgrade \$1,110; Music Licenses \$450
632.57	Dowding Pool Adm O & M - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
632.58	Dowding Pool Adm O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
632.59	Dowding Pool Adm O & M - Community Text System	106	120	121	148	141	
632.60	Dowding Pool Adm O & M - Miscellaneous Summary	1,172	149	500	1,200	500	
632.83	Dowding Pool Adm O & M - Strategic Plan	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>211,116</b>	<b>241,174</b>	<b>265,515</b>	<b>245,695</b>	<b>263,071</b>	
632.10	Dowding Pool Lessons Adm O & M - Lesson Supplies	556	- 0 -	1,500	500	1,500	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
633.011	Dowding Pool Adm O & M - Salaries	5,598	9,418	7,000	7,000	7,245	
633.022	Dowding Pool Adm O & M - Social Security	428	721	536	536	555	
<b>Total</b>		<b>6,582</b>	<b>10,139</b>	<b>9,036</b>	<b>8,036</b>	<b>9,300</b>	
<b>Grand Total Dowding Pool Operating Fund Expense</b>		<b>217,698</b>	<b>251,313</b>	<b>274,551</b>	<b>253,731</b>	<b>272,371</b>	
632.09	Dowding Pool Capital Projects - Work-In-Process - Summary C.I.P.	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
632.50	Dowding Pool Capital Projects - Donations/Grants	- 0 -	- 0 -	1,000	- 0 -	1,000	
632.80	Dowding Pool Capital Projects - Fixed Assets - Summary	47,966	9,138	- 0 -	- 0 -	20,000	Diving Board Replacement \$20,000
<b>Total</b>		<b>47,966</b>	<b>9,138</b>	<b>1,000</b>	<b>- 0 -</b>	<b>21,000</b>	
<b>Total C.I.P. Dowding Pool Expense</b>		<b>47,966</b>	<b>9,138</b>	<b>1,000</b>	<b>- 0 -</b>	<b>21,000</b>	
<b>Total Dowding Pool Expenses + C.I.P.</b>		<b>265,664</b>	<b>260,451</b>	<b>275,551</b>	<b>253,731</b>	<b>293,371</b>	
<b>Total Dowding Pool</b>		<b>(166,867)</b>	<b>(124,900.93)</b>	<b>(177,651)</b>	<b>(159,088)</b>	<b>(195,471)</b>	

2023/2024							Updated 9-1-2023
<b>ECONOMIC DEV - (LB 840)</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
711.01	Revenue - City Sales Tax	150,000	150,000	150,000	150,000	150,000	Voter Referendum 2013
711.50	Revenue - Econ Dev Grant	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
711.903	Revenue - Interest Income	169	602	330	5,470	2,500	
711.905	Revenue - Loan Principal Repayment	100,715	86,471	118,314	118,314	120,000	
711.910	Revenue - Loan Interest Repayment	18,662	17,532	16,155	16,155	17,000	
711.999	Revenue - Bond Proceeds	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>269,546</b>	<b>254,606</b>	<b>284,799</b>	<b>289,939</b>	<b>289,500</b>	
<b>Total Economic Development (LB #840) Revenue</b>		<b>269,546</b>	<b>254,606</b>	<b>284,799</b>	<b>289,939</b>	<b>289,500</b>	
712.58	Admin O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Grand Total Economic Development (LB #840) Operating Fund Expense</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
712.90	Economic Admin - Loans, Grants and Training	195,000	105,443	284,649	284,649	289,350	
712.92	Economic Admin - Administrative Fees	32	12	150	50	150	
<b>Total</b>		<b>195,032</b>	<b>105,455</b>	<b>284,799</b>	<b>284,699</b>	<b>289,500</b>	
<b>Grand Total Economic Development (LB #840) Administrative Expense</b>		<b>195,032</b>	<b>105,455</b>	<b>284,799</b>	<b>284,699</b>	<b>289,500</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
<b>Grand Total Economic Development (LB #840) Expenses, not Including C.I.P.</b>		<b>195,032</b>	<b>105,455</b>	<b>284,799</b>	<b>284,699</b>	<b>289,500</b>	
712.80	Capital Projects - Fixed Assets- C.I.P. - Industrial Land Development	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
712.82	Capital Projects - Fixed Assets -C.I.P. - Buildings	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
712.84	Capital Projects - Fixed Assets - C.I.P. - Infrastructure	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total C.I.P. Economic Development (LB #840) Expense</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Economic Development (LB #840) Expenses + C.I.P.</b>		<b>195,032</b>	<b>105,455</b>	<b>284,799</b>	<b>284,699</b>	<b>289,500</b>	
<b>Total Economic Development (LB #840)</b>		<b>74,514</b>	<b>149,151</b>	<b>- 0 -</b>	<b>5,240</b>	<b>- 0 -</b>	

2023/2024							Updated 9-1-2023	
<b>ELECTRIC</b>		<b>* Franchise on all except Donations and Grants and Heat Incentives</b>						
<b>Account Number</b>	<b>Account Name</b>	<b>Fiscal Year 2020/2021 Actual</b>	<b>Fiscal Year 2021/2022 Actual</b>	<b>Fiscal Year 2022/2023 Budget</b>	<b>2022/2023 Estimated Ending Balance</b>	<b>Fiscal Year 2023/2024 Budget</b>	<b>Comments</b>	
201.01	Electric Revenue - Sale of Current	10,745,312	11,212,496	11,100,000	11,100,000	11,433,000	3.00% Rate Increase; Petsource & Tenneco Online	
201.029	Electric Revenue - Penalty Charges	32,864	38,332	33,000	33,000	33,000		
201.03	Electric Revenue - Delinquent Service Charges	5,685	6,585	4,500	5,200	4,750		
201.04	Electric Revenue - Miscellaneous Sales & Services	18,925	13,377	20,000	63,000	20,000		
201.05	Electric Revenue - Heat Incentive Program	22,253	19,291	40,000	40,000	35,000		
201.50	Electric Revenue - Donations/Grant	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -		
201.90	Electric Revenue - Non-Operating	8,530	115,387	20,000	27,000	20,000		
201.901	Electric Revenue - Grants	2,250	- 0 -	- 0 -	- 0 -	- 0 -		
201.923	Electric Revenue - Non-Operating Interest	48,736	46,835	42,000	98,136	60,000		
201.95	Electric Revenue - Proceeds from Sale of Assets	5,537	- 0 -	- 0 -	149,559	- 0 -		
201.99	Electric Revenue-Construction	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Bond Proceeds for Capital Projects	
<b>Total</b>		<b>10,890,093</b>	<b>11,452,303</b>	<b>11,259,500</b>	<b>11,515,895</b>	<b>11,605,750</b>		
<b>Total Electric Revenue</b>		<b>10,890,093</b>	<b>11,452,303</b>	<b>11,259,500</b>	<b>11,515,895</b>	<b>11,605,750</b>		
210.70	Electric Purchase Power - Current Purchased	6,260,772	6,167,038	6,700,000	6,700,000	6,900,000		
210.71	Electric Purchase Power - Sub transformation Charges	11,545	13,295	15,000	15,000	15,000		
211.01	Electric Dist. O & M - Salaries	496,437	535,109	599,272	695,373	820,688		
211.02	Electric Dist. O & M - Social Security	38,553	41,331	47,082	54,434	64,529		
211.03	Electric Dist. O & M - Overtime	14,906	13,334	16,180	21,180	22,819		

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
211.04	Electric Dist. O & M - Group Insurance	69,206	71,780	85,735	85,735	84,955	
211.05	Electric Dist. O & M - Retirement	24,220	26,616	34,527	38,105	47,762	
211.059	Dist. O & M - Wellness Incentive	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
211.10	Electric Dist. O & M - Line Material	246,755	226,313	250,000	250,000	250,000	Crushed Rock \$5,000; Boring \$25,000
211.16	Electric Dist. O & M - City Use Utilities	65,644	68,274	75,000	75,000	80,000	(Includes Street Lights)
211.162	Electric Dist. O & M - Telephone	9,181	9,357	9,000	9,300	8,900	Cell Phone \$3,240; US Cellular \$1,320; Spectrum \$360; Windstream \$780; Verizon \$3,200
211.163	Electric Dist. O & M - Natural Gas	3,188	4,321	4,000	6,350	10,000	
211.164	Electric Dist. O & M - Data Transmission	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
211.21	Electric Dist. O & M - Repairs/Upkeep Consumers Premise	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
211.22	Electric Dist. O & M - Meter Testing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
211.30	Electric Facilities O & M - Bldgs./Grds Upkeep & Supplies	16,236	16,226	25,000	15,000	25,000	
211.31	Electric Dist. O & M - Large Metering	- 0 -	- 0 -	10,000	- 0 -	- 0 -	
211.36	Electric Dist. O & M - Service Maint Agreements	38,754	51,353	55,000	56,000	57,070	NMPP \$450; Total Fire \$1,000; Aclara Annual Fee \$50,000; Regulatory Software \$1,000; Regulatory Compliance \$400; Janitor \$4,220
211.42	Electric Dist. O & M - Dues, Memberships, Training, Mileage	6,147	8,377	9,450	5,800	9,450	
211.53	Electric Dist O & M - Information Technology	1,584	4,835	4,000	3,500	- 0 -	
211.74	Electric Dist. O & M - Tree Trimming	6,950	51,810	40,000	40,000	40,000	
211.75	Electric Dist. O & M Re/Transformer/Substation	22,382	5,223	50,000	50,000	50,000	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
211.76	Electric Dist. O & M - PCB Sampling	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
211.77	Electric Dist. O & M - Sirens	- 0 -	2,222	5,000	10,000	8,500	
212.10	Electric St Lt O & M - Replacement Materials	2,576	5,927	10,000	6,000	10,000	
213.08	Electric Facilities O & M - Engineering/Consulting	68,371	107,174	104,381	58,018	60,125	General Engineering \$20,000; City Engineer \$40,125
213.10	Electric Facilities O & M - Supplies, Freight & Uniforms	54,234	29,010	60,000	60,000	60,000	Arc Flash Rated Uniforms \$10,000;
213.12	Electric Dist. O & M - Gasoline & Oil	13,521	20,732	20,000	18,000	23,000	
213.17	Electric Facilities O & M - Garbage	841	912	1,203	1,200	1,315	G & P Development \$730
213.20	Electric Facilities O & M - Vehicle & Equipment Repairs	33,034	29,497	30,000	30,000	30,000	
214.01	Electric Adm O & M - Salaries	164,894	170,690	192,814	192,814	205,650	Administrative Salaries (City Hall)
214.02	Electric Adm O & M - Social Security	12,075	12,574	14,751	14,751	15,733	
214.03	Electric Adm O & M - Overtime	3	- 0 -	- 0 -	- 0 -	- 0 -	
214.04	Electric Adm O & M - Group Insurance	27,591	38,347	41,552	33,325	41,986	
214.05	Electric Adm O & M - Retirement	8,783	9,671	11,569	11,569	12,339	
214.059	Electric Adm O & M - Wellness Incentive	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
214.06	Electric Adm O & M - Insurance	65,416	74,663	95,176	94,584	113,501	
214.07	Electric Adm O & M - Audit & Accounting	19,073	19,070	20,751	19,000	18,791	AMGL \$18,228; EMMA Reporting \$563
214.11	Electric Adm O & M - Office SU, Postage & Freight	36,299	38,449	37,359	37,359	37,484	City Hall Supplies \$2,359; Inventory Tags \$125
214.36	Electric Adm O & M - Ser/Main Agrmts	3,092	726	316	440	325	City Hall/Muni Bldg Copier \$60; Pitney Bowes Meter Rent \$135; Pitney Bowes Annual Maint \$85; Paper Tiger Shredding \$45
214.40	Electric Adm O & M - Operational Costs Reimbursement	16,632	18,000	18,000	18,000	18,000	
214.42	Electric Adm O & M - Dues, Memberships, Training, Mileage	11,663	15,542	15,000	15,000	16,690	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
214.43	Electric Adm O & M - Sales Tax	42,256	16,233	50,000	50,000	50,000	
214.53	Electric Adm O & M - Info Technology	43,526	42,316	45,144	45,144	53,090	gWorks/SimpleCity \$2,500; gWorks/GIS \$1,420; BIZCO \$37,895; Email Migration/Server \$5,740; Agenda Mgmt \$738; City Hall Info Tech \$567; Accounting Software Upgrade \$4,230
214.58	Electric Adm O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	New Capital Bonded Projects - Interest Only
214.59	Electric Adm O & M - Community Text System	106	120	121	148	141	
214.60	Electric Adm O & M Miscellaneous	10,546	36,598	14,500	20,000	15,500	(5) BNSF Agreements \$4,000
214.61	Electric Adm O & M - NPPD Heat Incentives	22,253	19,211	40,000	40,000	35,000	Offset 201.05
214.75	Electric Adm O & M - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
214.80	Electric Dist. O & M - Load Management	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Load Controls
214.82	Electric Adm - Capital Fixed Assets	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
214.84	Electric Adm O & M - Geographic Info System	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
214.85	Electric Adm O & M - Franchise Fees	1,085,329	1,142,276	1,121,950	1,147,590	1,139,800	10% of Revenues: Less Grants & Heat Incentives; Offset 501.064
214.86	Electric Adm O & M - Tech Software Licensing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Coded to 214.53
214.861	Electric Adm O & M - For Costs Beyond Utility Control	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
214.90	Electric Dist. O & M - Non-Operating	546	1,588	2,000	750	2,000	
214.991	Electric Adm O & M - Depreciation Expense	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
214.992	Electric Adm O & M - Amortization Expense	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
214.995	Transfer Surplus Fees to General Fund	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
<b>Total</b>		<b>9,075,121</b>	<b>9,166,138</b>	<b>9,980,833</b>	<b>10,044,469</b>	<b>10,455,143</b>	
	<b>Total Electric Operating Expense</b>	<b>9,075,121</b>	<b>9,166,138</b>	<b>9,980,833</b>	<b>10,044,469</b>	<b>10,455,143</b>	
214.920	Electric - Bond Reserve Expense - Berens and Tate	- 0 -	2,500	3,000	3,000	3,000	
214.923	Electric - Debt - Principal	400,000	405,000	415,000	415,000	425,000	
214.929	Electric - Debt - Bond Interest	98,086	89,905	81,408	81,408	72,568	
<b>Total</b>		<b>498,086</b>	<b>497,405</b>	<b>499,408</b>	<b>499,408</b>	<b>500,568</b>	
	<b>Total Electric Debt Expense</b>	<b>498,086</b>	<b>497,405</b>	<b>499,408</b>	<b>499,408</b>	<b>500,568</b>	
	<b>Total Electric Expenses, not Including C.I.P.</b>	<b>9,573,207</b>	<b>9,663,543</b>	<b>10,480,241</b>	<b>10,543,877</b>	<b>10,955,711</b>	
211.09	Electric Capital - C.I.P. Work-in-Process - Summary	93,166	105,971	525,000	303,526	300,000	Inventory Purchases \$100,000; Extra Transformer \$125,000; E. Seward 3 Phase Line Upgrades and Prairie View \$300,000
211.80	Electric Capital - Fixed Assets - Summary	252,401	499,686	917,200	210,326	261,200	New AMI System \$600,000; Replace Recloser & Controls - 14th/Walker Sub \$48,000; Ash Street Scada System \$25,000; Replace Pickup #104 \$60,000; Replace Pickup #130 \$55,000; GIS Update \$30,000; Security Gate \$11,500; Security Gate - Horseshoe \$2,700; Purchase Adjacent Property \$25,000; Vibrator Plow Acquisition \$60,000
211.99	Electric Capital - Construction	277,140	540,367	1,425,000	469,123	2,100,000	Shop Expansion \$775,000; Petsource \$300,000; Tenneco \$350,000

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
Total		622,707	1,146,024	2,867,200	982,975	2,661,200	
	<b>Total C.I.P. Electric Expense</b>	622,707	1,146,024	2,867,200	982,975	2,661,200	
	<b>Total Electric Expenses + C.I.P.</b>	10,195,914	10,809,567	13,347,441	11,526,852	13,616,911	
	<b>Total Electric</b>	694,179	642,735	(2,087,941)	(10,957)	(2,011,161)	

2023/2024							Updated 9-1-2023
<b>ENGINEERING</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
628.01	Eng - Rev - Bid Spec Fees	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
628.90	Eng - Rev - Non-Operating	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
628.99	Eng - Rev - Utility Reimbursements	102,576	107,943	118,143	114,054	120,375	75% of total expense; From accounts 213.08, 313.08, 413.08
<b>Total</b>		<b>102,576</b>	<b>107,943</b>	<b>118,143</b>	<b>114,054</b>	<b>120,375</b>	
<b>Total Engineering Revenue</b>		<b>102,576</b>	<b>107,943</b>	<b>118,143</b>	<b>114,054</b>	<b>120,375</b>	
629.01	Eng - Salaries	99,611	103,511	108,784	108,784	112,618	
629.02	Eng - Social Security	7,582	7,871	8,322	8,322	8,616	
629.03	Eng - Overtime	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
629.04	Eng - Group Insurance	9,536	10,687	11,068	11,068	11,068	
629.05	Eng - Retirement	4,418	6,211	6,528	6,528	6,758	
629.11	Eng - Office Supplies/Postage/Freight	527	689	750	750	500	
629.12	Eng - Gasoline/Oil	169	291	450	300	450	
629.16	Eng - City Use Utilities	1,649	1,687	2,000	1,800	2,000	
629.162	Eng - Telephone	664	501	480	480	480	Cell Phone \$360; Spectrum (phone) \$120
629.20	Eng - Repairs/Equipment Maint	394	142	3,000	1,000	3,000	
629.36	Eng - Serv/Maint Agreement	360	431	705	1,569	1,380	City Hall/Muni Bldg Copier \$540; Plotter Service Agreement \$840
629.42	Eng - Dues/Membership/Training	913	5,589	6,000	6,000	6,900	Admin Assistant \$1,500
629.53	Eng - Info Technology	7,942	2,329	4,470	4,470	5,729	gWorks SimpleCity \$426; BIZCO \$758; Email Migration/Server \$115; AutoCad \$2,200; Civil 3D Support \$450; Adobe \$260; Bluebeam \$800; Accounting Software Upgrade \$720
629.60	Eng - Miscellaneous	3,003	827	1,500	1,000	1,000	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
<b>Total</b>		<b>136,768</b>	<b>140,765</b>	<b>154,057</b>	<b>152,071</b>	<b>160,499</b>	
	<b>Total Engineering Operating Expense</b>	<b>136,768</b>	<b>140,765</b>	<b>154,057</b>	<b>152,071</b>	<b>160,499</b>	
629.80	Eng - C.I.P. Fixed Assets Total	- 0 -	3,954	3,465	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>3,954</b>	<b>3,465</b>	<b>- 0 -</b>	<b>- 0 -</b>	
	<b>Total C.I.P. Engineering Expense</b>	<b>- 0 -</b>	<b>3,954</b>	<b>3,465</b>	<b>- 0 -</b>	<b>- 0 -</b>	
	<b>Total Engineering Expenses + C.I.P.</b>	<b>136,768</b>	<b>144,719</b>	<b>157,522</b>	<b>152,071</b>	<b>160,499</b>	
	<b>Total Engineering</b>	<b>(34,192)</b>	<b>(36,776)</b>	<b>(39,379)</b>	<b>(38,017)</b>	<b>(40,124)</b>	

2023/2024							Updated 9-1-2023
<b>FIRE &amp; RESCUE</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
601.01	Fire Department - Resuce Calls	- 0 -	- 0 -	380,000	161,000	192,000	
601.90	Fire Department - Non-Operating	- 0 -	2,376	- 0 -	128	- 0 -	
601.95	Revenue - Grants	- 0 -	- 0 -	50,000	- 0 -	50,000	
601.99	Fire Department - Donations	- 0 -	- 0 -	100,000	- 0 -	100,000	
<b>Total</b>		<b>- 0 -</b>	<b>2,376</b>	<b>530,000</b>	<b>161,128</b>	<b>342,000</b>	
<b>Sinking Fund</b>							
601.50	Revenue - Interest	2,296	1,254	1,300	7,000	4,000	
601.501	Revenue - Rural Fire Protection	47,332	53,058	46,000	53,000	146,000	Mutual Aide Truck Replacement \$100,000
601.502	Revenue - Property Tax	15,000	15,000	15,000	15,000	15,000	
601.909	Revenue - FDSF - Non Op	- 0 -	- 0 -	- 0 -	- 0 -	75,000	NE Ambulance ARPA Grant
<b>Total</b>		<b>64,628</b>	<b>69,312</b>	<b>62,300</b>	<b>75,000</b>	<b>240,000</b>	
<b>Total Fire &amp; Rescue Revenue</b>		<b>64,628</b>	<b>71,689</b>	<b>592,300</b>	<b>236,128</b>	<b>582,000</b>	
602.01	Admin O & M - Salaries	2,458	1,186	1,195	600	1,306	Custodian
602.02	Admin O & M - Social Security	188	91	92	92	100	
602.06	Admin O & M - Insurance	18,188	21,267	25,912	25,912	31,094	Group Life Ins Policy \$3,000
602.07	Admin O & M - Audit & Accounting	331	331	361	319	326	AMGL \$326
602.10	Admin O & M - Bunker Gear & Equipment	39,606	19,441	42,000	44,000	60,000	Misc \$20,000; Bunker Gear (10) Sets - \$40,000
602.11	Admin O & M - Supplies, Postage & Freight	661	12	600	100	600	
602.12	Admin O & M - Gas & Oil	4,090	6,450	6,000	6,000	6,000	
602.16	Admin O & M - City Use Utilities	6,348	7,818	8,000	8,000	8,500	
602.162	Admin O & M - Telephone	4,222	4,635	4,800	3,800	4,900	Spectrum \$2,800; Windstream \$1,100; First Net Wireless \$1,000
602.163	Admin O & M - Natural Gas	4,317	4,209	4,300	5,000	4,500	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
602.17	Admin O & M - Garbage	416	416	417	417	514	
602.20	Admin O & M - Repairs	13,002	21,053	22,000	18,000	22,000	
602.30	Admin O & M - Building Maintenance	2,080	5,523	5,000	8,100	25,000	(3) New Doors \$9,000; East Roll-Up Door \$9,000; Windows \$2,000
602.36	Admin O & M - Maintenance Agreements	45	554	1,051	25,000	39,460	City Hall/Muni Bldg Copier \$60; Page My Cell \$500; Continental Annual Insp \$500; One Billing Solutions Fees \$38,400
602.42	Admin O & M - Dues, Memberships, Training, Mileage	454	1,011	3,000	7,500	5,000	EMT Training
602.53	Admin O & M - Information Technology	2,657	7,549	6,030	7,000	3,081	gWorks/SimpleCity \$18; BIZCO \$758; Email Migration/Server \$115; Emergency Solutions \$2,160; Accounting Software Upgrade \$30; (4) Desktop Computers ?????
602.54	Admin O & M - Promotion	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
602.56	Admin O & M - Transfer/Volunteer Fire	14,768	12,106	15,000	15,000	15,000	
602.57	Admin O & M - Fire Prevention Inspection	3,134	3,200	3,500	3,500	4,000	
602.58	Admin O & M - Rescue	17,189	11,308	16,500	10,000	16,500	
602.585	Admin O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
602.59	Admin O & M - Community Text System	106	120	121	148	141	
602.60	Admin O & M - Miscellaneous Summary	795	1,952	1,000	1,000	1,000	
602.62	Storage Bldg/Rent	2,310	2,310	2,500	2,310	2,500	Store SeaGraves & Equip
602.84	Admin O & M - Technology/Software Licensing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>137,363</b>	<b>132,539</b>	<b>169,379</b>	<b>191,798</b>	<b>251,522</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
603.00	Sinking Fund Expenses	- 0 -	- 0 -	- 0 -	- 0 -	175,000	Mutual Aid \$100,000 (Tanker #42); Ambulance ARPA Grant \$75,000 (Rescue Squad #99)
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>175,000</b>	
<b>Grand Total Fire &amp; Rescue Operating Fund Expense</b>		<b>137,363</b>	<b>132,539</b>	<b>169,379</b>	<b>191,798</b>	<b>426,522</b>	
602.80	Capital Projects - C.I.P. Fixed Assets Summary	2,135	- 0 -	456,500	54,894	401,968	Concrete Around Building \$50,000; Design/Planning North Property \$10,000; North Building \$275,000; Rock Parking Lot \$10,000; Tanker Unit #42 \$62,000; Upgrade Rescue Squad #95 - Stryker Cot Lift \$29,000; LED Dimmable Lights - Meeting Room \$4,500; LED Bay Lighting \$16,000
602.82	Capital Projects - Fixed Assets Administration	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
602.95	Grants	- 0 -	- 0 -	50,000	- 0 -	50,000	Offset 601.95
602.99	Donations	- 0 -	- 0 -	100,000	- 0 -	100,000	Offset 601.99
<b>Total</b>		<b>2,135</b>	<b>- 0 -</b>	<b>606,500</b>	<b>54,894</b>	<b>551,968</b>	
<b>Total C.I.P. Fire &amp; Rescue Expense</b>		<b>2,135</b>	<b>- 0 -</b>	<b>606,500</b>	<b>54,894</b>	<b>551,968</b>	
<b>Total Fire &amp; Rescue Debt Expense + C.I.P.</b>		<b>139,498</b>	<b>132,539</b>	<b>775,879</b>	<b>246,692</b>	<b>978,490</b>	
<b>Total Fire</b>		<b>(74,870)</b>	<b>(60,851)</b>	<b>(183,579)</b>	<b>(10,564)</b>	<b>(396,490)</b>	

2023/2024							Updated 9-1-2023
GOLF							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
566.11	Revenue - Finance Charge	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
566.12	Revenue - Misc Income	450	- 0 -	100	- 0 -	- 0 -	
566.13	Revenue - Daily Green Fees	83,802	87,789	60,000	85,000	70,000	
566.135	Revenue - Golf Tournaments	23,643	25,155	20,000	23,000	20,000	
566.14	Revenue - Annual Pass - Single	43,366	43,749	38,000	46,400	38,000	
566.15	Revenue - Annual Pass - Family	54,115	51,509	45,000	53,045	45,000	
566.16	Revenue - Annual Pass - Age 19-25	5,925	4,275	3,500	3,465	3,500	
566.17	Revenue - Annual Pass- Post Grd HS	3,131	3,900	2,000	6,732	2,500	
566.19	Revenue - Daily Cart Rentals	41,371	42,091	25,000	40,000	35,000	
566.21	Revenue - Annual Cart Lease - Single	14,700	15,816	14,000	15,657	14,000	
566.22	Revenue - Annual Cart Lease - Family	18,024	18,493	17,000	19,754	17,000	
566.25	Revenue - Trail Fees Annual	4,700	5,100	4,000	5,000	4,000	
566.26	Revenue - Annual Elec Cart Stor/Trail Fee	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
566.27	Revenue - Cart Storage	2,325	2,100	2,000	1,775	2,000	
566.29	Revenue - Trail Fees Daily	- 0 -	16	- 0 -	32	- 0 -	
566.30	Revenue - Locker Rental	540	455	500	500	500	
566.31	Revenue - Driving Range Fees	5,014	5,062	3,500	5,000	3,500	
566.32	Revenue - Driving Range Membership	4,625	4,031	3,000	4,875	3,000	
566.33	Revenue - Merchandise Sales	16,128	21,151	15,000	20,000	15,000	
566.34	Revenue - Restaurant Lease Income	- 0 -	- 0 -	3,500	- 0 -	- 0 -	
566.349	Revenue - Room Rental	- 0 -	600	1,000	950	1,000	
566.35	Revenue - Handicap Fees	700	725	700	725	700	
566.36	Revenue - League Fees	16,175	14,100	14,000	14,000	14,000	
566.37	Revenue - Beer & Liquor	80,032	78,485	60,000	70,000	65,000	
566.70	Revenue - Tips	5,968	7,422	6,000	6,500	7,500	
566.90	Revenue - Non-Operating	420	7,524	- 0 -	- 0 -	- 0 -	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
566.99	Revenue - Donations	450	9,388	500	500	500	
<b>Total</b>		<b>425,603</b>	<b>448,939</b>	<b>338,300</b>	<b>422,910</b>	<b>361,700</b>	
<b>Total Golf Revenue</b>		<b>425,603</b>	<b>448,939</b>	<b>338,300</b>	<b>422,910</b>	<b>361,700</b>	
569.01	Salaries - Golf Shop	69,713	76,822	80,206	80,206	83,707	Includes Tips
569.011	Salaries - Grounds	83,761	94,092	104,457	104,457	108,145	
569.02	Social Security	11,418	12,694	14,161	14,161	14,712	
569.03	Overtime	459	104	440	440	455	Seasonal - Grounds
569.04	Group Insurance	31,639	34,529	39,020	39,020	38,841	
569.05	Retirement	6,327	6,755	7,020	7,020	7,363	
569.06	Insurance/Bonds	20,955	23,634	31,162	30,873	37,048	
569.11	Shop Supplies	977	837	1,000	800	1,000	
569.114	Grounds Supplies	3,041	1,683	3,000	3,000	3,000	
569.12	Gasoline/Oil	9,769	14,010	12,000	12,000	14,000	
569.16	City Use Utilities	20,898	23,368	22,000	22,000	24,000	
569.162	Telephone	4,891	4,915	5,160	5,160	5,280	Cell Phone \$720; Time Warner \$4,560
569.163	Natural Gas	1,948	2,282	3,000	3,200	3,500	
569.17	Garbage Service	1,854	1,854	1,855	1,855	2,349	
569.20	Equipment Repairs	7,215	9,833	10,000	10,000	10,000	Blade Sharpening \$2,500
569.26	Equipment Rental	821	3,410	2,000	2,000	3,500	
569.27	Fertilizer/Chemicals	17,738	14,386	20,000	18,000	20,000	
569.28	Trees/Seed/Aeration	4,950	5,142	7,500	7,500	7,500	
569.29	Sand/Gravel	2,143	3,002	3,000	3,000	3,000	
569.30	Repairs/Maint-Building/Grounds	39,512	22,250	22,000	22,000	24,000	Misc \$10,000; Porta-Potty \$1,000; Drainage Projects \$10,000; Basement Bathroom \$3,000
569.33	Golf - Alcohol & Beverages	28,669	32,352	25,000	39,000	33,000	
569.34	Golf Shop Merchandise	12,281	17,636	12,000	20,000	15,000	
569.36	Golf - Serv/Maint Agreements	45	54	51	51	60	City Hall/Muni Bldg Copier \$60
569.42	Dues/Training/Mileage	1,436	1,465	1,450	1,450	1,450	
569.45	Tournament Expense	9,066	3,001	6,000	6,000	6,000	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
569.47	League Expense	2,729	15,006	6,000	6,000	8,000	
569.53	Golf - Information Technology	1,084	6,153	7,254	7,254	7,862	gWorks/SimpleCity \$692; ForeUp Monthly \$6,000; Accounting Software Upgrade \$1,170
569.60	Miscellaneous Expense	13,154	10,543	11,000	18,000	11,000	Reimburse Unemployment Fund \$4,750; Range Balls \$3,000;
569.88	Course - Property Taxes	7,330	3,416	4,000	4,923	- 0 -	Land; (Clubhouse - no tax as it is not currently being leased out)
569.89	Cart Lease Payments	19,800	19,800	19,800	19,800	19,800	
569.90	Course - Lease Payment	1,950	1,950	1,950	1,950	2,950	Wake Family
569.901	Loan Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Loan Payment in Debt Service
569.929	Loan Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Loan Payment in Debt Service
569.99	Donations	- 0 -	2,184	500	- 0 -	500	
<b>Total</b>		<b>437,572</b>	<b>469,164</b>	<b>483,986</b>	<b>511,120</b>	<b>517,022</b>	
<b>Grand Total Golf Operating Fund Expense</b>		<b>437,572</b>	<b>469,164</b>	<b>483,986</b>	<b>511,120</b>	<b>517,022</b>	
569.80	Fixed Assets	39,478	85,069	70,940	57,940	126,740	Rough Mower \$13,760; Fairway Mower \$9,980; Greens Mower Lease-Purchase \$13,000; Pond - Hole #5 Renovation \$90,000
<b>Total</b>		<b>39,478</b>	<b>85,069</b>	<b>70,940</b>	<b>57,940</b>	<b>126,740</b>	
<b>Total C.I.P. Golf Course Expenses</b>		<b>39,478</b>	<b>85,069</b>	<b>70,940</b>	<b>57,940</b>	<b>126,740</b>	
<b>Total Golf Course Expenses</b>		<b>477,050</b>	<b>554,233</b>	<b>554,926</b>	<b>569,060</b>	<b>643,762</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
	Total Golf Course	(51,447)	(105,294)	(216,626)	(146,150)	(282,062)	

2023/2024							Updated 9-1-2023
<b>LEVEE ACCREDITATION</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
537.01	Revenue - Admin	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
537.50	Revenue - Grants	- 0 -	- 0 -	146,250	- 0 -	146,250	NEMA - Hazard Mitigation Grant
537.90	Revenue - Non-Operating Revenue	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>146,250</b>	<b>- 0 -</b>	<b>146,250</b>	
<b>Total Levee Accreditation Revenue</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>146,250</b>	<b>- 0 -</b>	<b>146,250</b>	
538.25	Levee Accr - Administrative	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
538.60	Levee Accr - Miscellaneous	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Levee Accreditation Operating Expense</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
538.80	Levee Accr - Fixed Assets - C.I.P. - Land Development	- 0 -	- 0 -	195,000	11,841	195,000	Seward Interior Drainage and Pump Station Improvements Phase I - Design & Planning
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>195,000</b>	<b>11,841</b>	<b>195,000</b>	
<b>Total C.I.P. Levee Accreditation Expense</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>195,000</b>	<b>11,841</b>	<b>195,000</b>	
<b>Grand Total Levee Accreditation Expenses + C.I.P.</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>195,000</b>	<b>11,841</b>	<b>195,000</b>	
<b>Total Levee Accreditation</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>(48,750)</b>	<b>(11,841)</b>	<b>(48,750)</b>	

2023/2024							Updated 9-1-2023
<b>LIBRARY</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
551.01	Revenue - Fines & Misc. Sales	6,613	8,357	8,000	9,200	8,000	
551.50	Revenue - Bldg. Improvements	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
551.55	Revenue - Donations	43,940	62,772	40,000	80,000	30,000	
551.56	Revenue - Mtg Rm Use	25	- 0 -	100	100	100	
551.81	Revenue - State Aid Fund	1,687	9,920	1,687	2,005	2,100	
551.90	Revenue - Non-Operating	4,012	210,654	- 0 -	100	- 0 -	***21/22 Revenue from June 22 Storm
553.52	Revenue - Maintenance Fund (Restricted Use)	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>56,276</b>	<b>291,702</b>	<b>49,787</b>	<b>91,405</b>	<b>40,200</b>	
<b>Total Library Revenue</b>		<b>56,276</b>	<b>291,702</b>	<b>49,787</b>	<b>91,405</b>	<b>40,200</b>	
552.01	Admin O & M - Salaries	262,688	260,434	280,763	280,763	290,723	
552.02	Admin O & M - Social Security	19,804	19,119	21,479	21,479	22,241	
552.03	Admin O & M - Overtime	6	- 0 -	- 0 -	203	- 0 -	
552.04	Admin O & M - Group Insurance	26,152	43,945	50,630	50,630	50,451	
552.05	Admin O & M - Retirement	8,019	7,587	9,478	9,478	10,011	
552.059	Admin O & M - Wellness	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
552.06	Admin O & M - Insurance	10,594	10,441	13,767	13,747	16,496	
552.07	Admin O & M - Audit & Accounting	2,792	2,892	3,032	2,908	2,977	City Audit & Budget \$1977; Library Foundation Audit \$2,000
552.11	Admin O & M - Supplies	8,171	9,431	8,500	8,500	8,500	
552.112	Admin O & M - Postage	2,102	2,160	3,000	3,000	3,500	
552.13	Admin O & M - Print Materials	34,966	35,192	37,500	37,500	37,500	
552.131	Admin O & M - Electronic (E-Books/Databases)	3,500	3,500	3,500	4,500	4,500	
552.132	Admin O & M - Other (Audio/Video)	2,850	3,129	3,000	2,000	2,000	
552.16	Admin O & M - City Use Utilities	38,119	40,381	40,000	41,000	- 0 -	
552.162	Admin O & M - Telephone	4,069	3,910	4,500	4,500	4,380	NextLink \$1,380; Windstream \$3,000
552.163	Admin O & M - Natural Gas	530	664	700	625	700	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
552.17	Admin O & M - Garbage	208	208	209	209	248	
552.30	Admin O & M - Repairs & Maintenance Building	28,457	25,982	20,000	215,000	20,000	***22/23 Expenses from June 22 Storm Repairs
552.32	Admin O & M - Service Maintenance Agreements	14,553	13,661	18,110	18,110	19,415	gWorks SimpleCity \$1,543; Biblionix \$4,500; Alarm Monitoring \$324; Fire Alarm Insp \$480; Replace Alarm Batteries \$400; Fire Ext Insp \$150; HVAC Svc \$1,458; Elevator Insp \$140; Boiler Insp \$50; Fire Sprinkler Insp \$800; OCLC \$2,800; Elevator Maint \$2,200; City Hall Copier \$60; Accounting Software Upgrade \$2,610; Sonicwall \$1,900
552.42	Admin O & M - Dues, Memberships, Training & Mileage	964	1,175	1,000	1,025	1,200	
552.421	Admin O & M - Continuing Education	449	811	1,300	1,300	1,300	
552.53	Admin O & M - Information Technology & Repairs	2,310	3,749	2,160	2,180	2,619	BIZCO Svc Agreement \$2,274; Email Migration/Server \$345;
552.81	Computer Hardware/Software	8,499	2,540	4,000	4,000	6,750	Staff Desktop \$1,000; Server Upgrade \$4,650; (2) Airtame Units \$900; Monitor \$150
552.55	Admin O & M - State Aid Fund	1,437	9,832	1,687	2,005	2,100	
552.56	Admin O & M - Donations	21,686	20,253	40,000	80,000	30,000	
552.58	Admin O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
552.59	Admin O & M - Community Text System	106	120	121	148	141	
552.60	Admin O & M - Miscellaneous Summary	6,101	4,635	2,800	3,500	3,500	Programs \$1,000; Ads/Notices \$500; ILL Fees \$100; Printing/Promo \$750; Zoom \$180; Misc \$500; Music Licenses \$450
552.75	Library - Capital Projects - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
552.86	Admin O & M - Meeting Room Maintenance and Supplies.	25	- 0 -	100	100	100	
<b>Total</b>		<b>509,155</b>	<b>525,751</b>	<b>571,336</b>	<b>808,410</b>	<b>541,352</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
<b>Total Library Operating Expense</b>		<b>509,155</b>	<b>525,751</b>	<b>571,336</b>	<b>808,410</b>	<b>541,352</b>	
552.50	Building Improvements	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
552.80	Capital Projects - Fixed Assets	46,800	40,985	- 0 -	- 0 -	36,060	West Entrance Upgrade \$11,060; Lower Level Tech. Upgrade \$25,000
552.82	Adm - Fixed Assets	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
554.69	Maintenance Fund (Restricted Use)	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>46,800</b>	<b>40,985</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>36,060</b>	
<b>Total C.I.P. Library Expense</b>		<b>46,800</b>	<b>40,985</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>36,060</b>	
<b>Total Library Expense</b>		<b>555,955</b>	<b>566,736</b>	<b>571,336</b>	<b>808,410</b>	<b>577,412</b>	
<b>Total Library</b>		<b>(499,679)</b>	<b>(275,033)</b>	<b>(521,549)</b>	<b>(717,005)</b>	<b>(537,212)</b>	

2023/2024							Updated 9-1-2023
PARKS & RECREATION							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
561.01	Pub Prop - Rev - Park Camping Fees	9,394	16,409	8,000	11,000	12,000	
561.67	Pub Prop - Rev - Farm Land Lease	30,631	21,111	19,000	19,000	19,000	
561.68	Pub Prop - Rev - Grants	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
561.90	Pub Prop - Rev - Non-Operating	1,166	69,271	250	6,311	250	
561.70	Pub Prop - Rev - New Park Improve	70	124	80	530	400	
561.72	Pub Prop - Rev - Dev Fees	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>41,261</b>	<b>106,915</b>	<b>27,330</b>	<b>36,841</b>	<b>31,650</b>	
641.02	Recreation - Rev - Baseball & Softball	7,586	7,820	7,500	10,977	7,500	
641.03	Recreation - Rev - Wrestling	- 0 -	648	700	1,090	700	
641.04	Recreation - Rev - Tackle Football	1,575	1,681	1,700	1,700	1,700	
641.05	Recreation - Rev - Volleyball & Flag Football	5,926	3,260	3,500	3,100	3,500	
641.06	Recreation - Rev - Basketball	- 0 -	1,282	1,500	7,235	7,000	
641.07	Recreation - Rev - Soccer	12,823	9,884	10,000	9,000	10,000	
641.08	Recreation - Rev - Tennis	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
641.09	Recreation - Rev - Tourn/Field Usage	2,450	2,928	4,000	4,500	4,000	
641.90	Recreation - Rev - Non Operating	597	2,617	650	687	650	Mayor's Fun Run
641.99	Recreation - Rev - Cattle Training Center	5,000	9,095	8,000	8,415	8,000	
<b>Total</b>		<b>35,956</b>	<b>39,217</b>	<b>37,550</b>	<b>46,704</b>	<b>43,050</b>	
641.97	Recreation Rev - Sinking Fund - Complex Park Lights	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
641.971	Recreation Rev - Sinking Fund Lights-Non-Op Interest	43	76	50	456	225	
<b>Total</b>		<b>43</b>	<b>76</b>	<b>50</b>	<b>456</b>	<b>225</b>	
531.04	Bldg & Grnds Rev - Operating Cost Reimbursement	36,000	36,000	36,000	36,000	36,000	
531.90	Bldg & Grnds Rev - Non-Operating	- 0 -	18,358	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>36,000</b>	<b>54,358</b>	<b>36,000</b>	<b>36,000</b>	<b>36,000</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
571.01	Bldg & Grnds Other Rev - Bldgs. & Grounds - Other	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
571.90	Bldg & Grnds Other Rev - Bldgs. & Grounds - Non-Operational	- 0 -	7,559	- 0 -	- 0 -	250	Bandshell Revenue
<b>Total</b>		<b>- 0 -</b>	<b>7,559</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>250</b>	
<b>Total Parks, Recreation &amp; Bldg &amp; Grounds Revenue</b>							
		<b>113,260</b>	<b>208,125</b>	<b>100,930</b>	<b>120,001</b>	<b>111,175</b>	
562.01	Pub Prop - Salaries	210,453	223,938	259,457	259,457	264,385	
562.02	Pub Prop - Social Security	16,166	16,755	20,034	20,034	20,411	
562.03	Pub Prop - Overtime	1,715	671	2,418	2,418	2,416	
562.04	Pub Prop - Group Insurance	41,623	49,738	67,774	74,243	80,419	
562.05	Pub Prop - Retirement	11,137	12,821	14,794	14,794	15,078	
562.059	Pub Prop - Wellness	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
562.06	Pub Prop - Insurance	19,165	22,088	29,125	29,241	35,089	
562.07	Pub Prop - Audit & Accounting	992	992	1,082	957	977	AMGL \$977
562.08	Pub Prop - Engineering/Consulting	- 0 -	- 0 -	3,000	- 0 -	- 0 -	
562.10	Pub Prop - Landscaping Supplies	2,203	2,078	3,000	2,500	3,000	
562.11	Pub Prop - Supplies, Postage & Freight	18,209	28,431	10,000	12,000	10,000	Crushed Rock Campground - \$3,000;
562.12	Pub Prop - Gasoline & Oil	9,757	10,500	11,000	11,000	12,000	
562.16	Pub Prop - City Use Utilities	14,462	16,494	16,000	22,257	28,200	City Utilities \$21,000; Natural Gas \$7,200
562.162	Pub Prop - Telephone	3,108	1,620	1,620	1,620	1,620	Cell Phone \$1,620
562.17	Pub Prop - Garbage	2,681	2,681	2,682	2,682	3,338	
562.20	Pub Prop - Repairs	12,882	11,781	13,000	13,000	13,000	Sidewalks \$4,000
562.30	Pub Prop - Bldgs./Grds Upkeep	15,658	15,055	23,875	23,875	18,000	Crumb rubber \$5,000; Campground Porta-Potty \$875;
562.31	Pub Prop - Playground Equipment Upkeep	4,852	3,646	5,000	5,000	5,000	
562.36	Pub Prop - Maintenance Agreements	360	431	405	405	420	City Hall/Muni Bldg Copier \$420

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
562.42	Pub Prop - Dues, Memberships, Training, Mileage	764	831	2,100	2,000	2,100	CDL Training \$900
562.53	Pub Prop - Information Technology	3,962	3,932	5,500	5,500	6,153	gWorks/SimpleCity \$887; gWorks GIS \$710; Bizco \$2,653; Email Migration/Server \$403; Accounting Software Upgrade \$1,500
562.58	Pub Prop O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
562.59	Pub Prop - Community Text System	106	120	121	148	141	
562.60	Pub Prop - Miscellaneous Summary	1,070	1,398	1,600	800	1,600	
562.65	Pub Prop - Tree Planting Program	1,805	2,423	2,000	2,000	2,000	
562.70	New Park/Dev/Improvements	154	195	100	100	100	
562.75	Pub Prop - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
562.84	Pub Prop - Technology/Software Licensing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>393,285</b>	<b>428,621</b>	<b>495,687</b>	<b>506,031</b>	<b>525,447</b>	
642.01	Recreation - Salaries	96,687	122,103	125,331	125,331	133,858	
642.02	Recreation - Social Security	7,324	9,035	9,605	9,605	10,258	
642.03	Recreation - Overtime	142	5	220	- 0 -	224	
642.04	Recreation - Group Insurance	14,391	24,294	27,363	28,748	33,574	
642.05	Recreation - Retirement	4,893	6,191	6,747	6,747	7,247	
642.06	Recreation - Insurance	6,303	6,582	9,046	8,962	10,754	
642.07	Recreation - Audit & Accounting	661	661	721	638	651	AMGL \$651
642.08	Program Expense - Umpire Referee Contract Fees	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Moved to Individual Programs
642.088	Recreation - Engineering/Consulting	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
642.11	Recreation - Supplies, Posting & Freight	15,686	16,796	17,500	18,000	17,500	Field Conditioner \$12,000
642.12	Recreation - Gas & Oil	1,927	2,088	2,000	2,257	2,200	
642.15	Program Expense - Athletic Equipment	752	2,179	2,000	2,000	2,000	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
642.152	Program Expense - Baseball & Softball	11,099	15,104	12,000	14,109	12,000	
642.153	Program Expense - Wrestling	- 0 -	400	400	- 0 -	400	
642.154	Program Expense - Tackle Football	2,189	13,054	16,000	12,000	3,000	
642.155	Program Expense - Volleyball & Flag Football	1,358	2,372	2,000	2,000	2,500	
642.156	Program Expense - Basketball	- 0 -	615	1,500	4,000	4,000	
642.157	Program Expense - Soccer	4,038	4,179	3,000	5,000	4,000	
642.158	Program Expense - Tennis	- 0 -	- 0 -	300	- 0 -	300	
642.16	Recreation - City Use Utilities	22,048	28,453	28,000	42,000	32,000	
642.162	Recreation - Telephone	830	883	1,000	1,000	960	Cell Phone \$540; Spectrum \$420
642.20	Recreation - Repairs/Tools	1,126	1,253	1,400	1,400	1,400	
642.30	Recreation - Repairs to Buildings and Grounds	34,212	9,070	29,100	29,100	10,700	Soccer Porta-Potty \$1,200; Disc Golf Repairs \$1,000
642.36	Recreation - Service Maintenance Agreements	360	431	405	405	420	City Hall/ Muni Bldg Copier \$420
642.42	Recreation - Dues, Memberships, Training, Mileage	311	257	500	500	500	
642.53	Recreation - Information Technology	3,768	2,842	3,800	3,800	4,154	gWorks/SimpleCity \$497; Last Mile \$792; BIZCO \$1,515; Email Migration/Server \$230; SuperSAAS \$280; Accounting Software Upgrade \$840
642.57	Recreation - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
642.58	Recreation - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
642.59	Recreation - Community Text System	106	120	121	148	141	
642.60	Recreation - Miscellaneous - Summary	794	635	1,200	700	1,200	
642.99	Recreation - Cattle Training Center	4,006	4,923	4,500	4,500	5,000	
642.97	Recreation - Sports Complex Lighting Fund	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>235,011</b>	<b>274,525</b>	<b>305,759</b>	<b>322,950</b>	<b>300,941</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
532.01	Bldg & Grounds - Salaries	15,724	7,114	7,170	7,170	7,833	
532.02	Bldg & Grounds - Social Security	1,203	544	549	549	600	
532.03	Bldg & Grounds - Overtime	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
532.04	Bldg & Grounds - Group Insurance	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
532.05	Bldg & Grounds - Retirement	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
532.06	Bldg & Grounds - Insurance	3,787	4,335	5,716	5,663	6,796	
532.07	Bldg & Grounds - Audit & Accounting	83	83	91	80	82	AMGL \$82
532.11	Bldg & Grounds - Office Supplies, Postage & Freight	83	55	500	500	500	
532.16	Bldg & Grounds - City Use Utilities	5,309	5,233	6,000	6,000	6,000	
532.17	Bldg & Grounds - Garbage	208	208	209	209	248	
532.31	Bldg & Grounds - Repairs & Maintenance	334	2,166	3,000	2,000	4,000	City Hall Concrete North Entrance \$1,000
532.36	Bldg & Grounds - Maintenance Agreements	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
532.53	Bldg & Grounds - Information Technology	242	240	370	370	410	gWorks/SimpleCity \$71; BIZCO \$190; Email Migration/Server \$29; Accounting Software Upgrade \$120
532.57	Bldg & Grounds Succession Plan	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
532.58	Bldg & Grounds - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
532.59	Bldg & Grounds - Community Text System	106	120	121	148	141	
532.60	Bldg & Grounds - Miscellaneous Summary	55	1	100	100	100	
<b>Total</b>		<b>27,133</b>	<b>20,099</b>	<b>23,826</b>	<b>22,789</b>	<b>26,710</b>	
572.10	Bldg & Grnd Other - Municipal Building - Supplies	- 0 -	- 0 -	400	400	400	
572.11	Bldg & Grnd Other - Bandshell - Supplies	400	396	400	400	400	
572.16	Bldg & Grnd Other - Bandshell - City Use Utilities - Boy scouts	1,607	2,359	2,000	2,000	2,700	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
572.162	Bldg & Grnd Other - Municipal Building - Telephone & DSL Line	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
572.21	Bldg & Grnd Other - Bandshell - Concerts	6,000	6,000	6,000	6,000	6,900	\$6,500 Payment; \$400 Music.
572.34	Bldg & Grnd Other - Bandshell - Repairs & Maintenance	46	88	500	500	500	
572.36	Bldg & Grnd Other - Bandshell - Miscellaneous Summary	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
572.57	Bldg & Grnd Other - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
572.60	Bldg & Grnd Other - Boy Scout Cabin - Repairs & Upkeep	94	88	500	500	500	
572.70	Bldg & Grnd Other - Municipal Building - Council Chambers - Repairs & Upkeep	1,696	2,137	1,250	1,250	1,250	
572.85	Bldg & Grnd Other - Municipal Building - ADA	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>9,843</b>	<b>11,067</b>	<b>11,050</b>	<b>11,050</b>	<b>12,650</b>	
<b>Total Parks, Recreation, Bldg &amp; Grounds &amp; Other Operating Expense</b>		<b>665,272</b>	<b>734,312</b>	<b>836,322</b>	<b>862,820</b>	<b>865,748</b>	
562.09	Pub Prop - Capital Projects - Work-In-Process - Summary - C.I.P.	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
562.80	Pup Prop - Capital Projects - Fixed Assets - Summary	30,601	23,538	86,170	85,552	30,000	Archery Range \$4,000; John Deere Mower \$26,000
<b>Total</b>		<b>30,601</b>	<b>23,538</b>	<b>86,170</b>	<b>85,552</b>	<b>30,000</b>	
642.09	Recreation - Capital Projects - Work-In-Process - C.I.P.	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
642.80	Recreation - Capital Projects - Fixed Assets - Summary - see C.I.P.	41,755	29,725	57,500	88,802	236,000	West Field Bleachers \$27,000; Legion Backstop Net \$12,000; Plum Creek Concession/Restroom Renovation \$197,000
<b>Total</b>		<b>41,755</b>	<b>29,725</b>	<b>57,500</b>	<b>88,802</b>	<b>236,000</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
532.61	Building & Grounds City Hall -Capital Project - Building Improvements - C.I.P.-Summary	4,200	5,129	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>4,200</b>	<b>5,129</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total C.I.P. Total Parks, Recreation, Bldg &amp; Grounds Expense</b>							
		76,556	58,392	143,670	174,354	266,000	
<b>Total Expenses + C.I.P.</b>							
		741,828	792,704	979,992	1,037,174	1,131,748	
<b>Total Parks, Recreation, Bldg &amp; Grounds</b>							
		(628,568)	(584,579)	(879,062)	(917,173)	(1,020,573)	

2023/2024							Updated 9-1-2023
<b>PLANNING &amp; ZONING</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
621.01	Revenue - Subdivision & Rezoning Fee	3,100	46,194	5,000	4,000	5,000	
621.10	Revenue - Filing Fees	130	320	100	250	100	
621.50	Revenue - Grant	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
621.90	Revenue - Non Operating	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>3,230</b>	<b>46,514</b>	<b>5,100</b>	<b>4,250</b>	<b>5,100</b>	
<b>Total Planning Commission Revenue</b>		<b>3,230</b>	<b>46,514</b>	<b>5,100</b>	<b>4,250</b>	<b>5,100</b>	
622.01	Admin O & M - Salaries	8,414	9,306	10,077	10,077	10,715	
622.02	Admin O & M - Social Security	638	705	771	771	820	
622.03	Admin O & M - Overtime	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
622.04	Admin O & M - Group Insurance	1,430	1,603	1,661	1,661	1,631	
622.05	Admin O & M - Retirement	505	559	605	605	643	
622.059	Admin O & M - Wellness	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
622.07	Admin O & M - Audit & Accounting	83	83	91	80	82	AMGL \$82
622.09	Admin O & M - Engineering/Consulting	124	- 0 -	- 0 -	- 0 -	- 0 -	
622.10	Admin O & M - Plats & Permits	685	924	1,000	850	1,000	
622.11	Admin O & M - Minutes & Office Supplies	420	1,094	1,500	500	1,500	
622.162	Admin O & M - Telephone	467	411	300	300	300	50% Cell Reimb \$180; Spectrum (phone) \$120
622.36	Admin O & M - Service Maintenance Agreements	360	431	705	1,592	1,320	City Hall/Muni Bldg Copier \$540; New Plotter Service Agreement \$780
622.42	Admin O & M - Dues, Memberships, Training, Mileage	136	178	2,000	500	2,000	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
622.53	Admin O & M - Information Technology	1,143	1,769	1,332	1,354	1,474	gWorks/GIS \$708; gWorks/SimpleCity \$107; BIZCO \$190; Email Migration/Server \$29; gWorks/GIS \$710; Adobe \$260; Accounting Software Upgrade \$180
622.57	Admin O & M - Succession Plan	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
622.58	Admin O & M - Debt Service P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
622.59	Admin O & M - Community Text System	106	120	121	148	141	
622.60	Admin O & M - Miscellaneous Summary	139	- 0 -	200	100	200	
622.83	Admin O & M - Strategic Plan	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
622.84	Admin O & M - GIS Training	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Coded to 622.53 or 622.42
<b>Total</b>		<b>14,647</b>	<b>17,182</b>	<b>20,363</b>	<b>18,538</b>	<b>21,826</b>	
<b>Total Planning Commission Operating Expense</b>		<b>14,647</b>	<b>17,182</b>	<b>20,363</b>	<b>18,538</b>	<b>21,826</b>	
622.80	Capital Projects - Fixed Assets	700	3,954	3,465	- 0 -	- 0 -	
<b>Total C.I.P. Planning Commission Expense</b>		<b>700</b>	<b>3,954</b>	<b>3,465</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Planning Commission Expenses + C.I.P</b>		<b>15,347</b>	<b>21,136</b>	<b>23,828</b>	<b>18,538</b>	<b>21,826</b>	
<b>Total Planning Commission</b>		<b>(12,117)</b>	<b>25,378</b>	<b>(18,728)</b>	<b>(14,288)</b>	<b>(16,726)</b>	

2023/2024							Updated 9-1-2023
<b>POLICE &amp; LAW ENFORCEMENT</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
501.08	Revenue - Dog License & Other	623	650	1,000	621	750	
501.09	Revenue - Itinerant Sales	78	947	200	119	200	
501.12	Revenue - Liquidated Damages	770	645	700	740	700	
511.50	Revenue - Donations/Grants	198,413	- 0 -	1,500	500	1,500	
511.90	Revenue - Non-Operating	3,803	69,449	44,700	3,700	5,000	DUI Testing \$1,800
<b>Total</b>		<b>203,688</b>	<b>71,691</b>	<b>48,100</b>	<b>5,680</b>	<b>8,150</b>	
515.01	Police Equitable Sharing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Police &amp; Law Enforcement Revenue</b>		<b>203,688</b>	<b>71,691</b>	<b>48,100</b>	<b>5,680</b>	<b>8,150</b>	
512.01	Operating - Salaries	690,489	778,443	948,182	948,182	1,003,031	
512.02	Operating- Social Security	52,722	59,527	75,907	75,907	80,287	
512.03	Operating - Overtime	42,244	49,396	44,066	59,000	46,463	
512.04	Operating - Group Insurance	187,123	210,962	256,573	215,000	265,335	
512.05	Operating - Retirement Non-Officers	4,480	3,616	5,712	5,712	6,015	
512.059	Operating - Wellness Incentive	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
512.06	Operating - Insurance	39,337	41,959	54,969	53,429	64,115	
512.07	Operating - Audit & Accounting	2,314	2,314	2,524	2,235	2,279	AMGL \$2,279
512.08	Operating - Retirement Officers	45,717	51,714	62,627	62,627	66,266	
512.10	Operating - Maintenance Supplies Equipment	8,982	7,009	10,000	10,000	10,000	
512.11	Operating - Office Supplies, Postage & Freight	3,024	3,197	5,000	2,500	5,000	
512.12	Operating - Gasoline & Oil	18,701	25,794	24,000	24,000	27,000	
512.16	Operating - City Use Utilities	5,539	5,925	6,000	6,000	6,200	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
512.162	Operating - Telephone	13,788	14,067	14,640	14,640	9,432	Windstream \$2550; ALLO Internet \$2,400; ALLO Phone Service \$1,242; Verizon \$3,240
512.163	Operating - Utilities Natural Gas	645	762	800	905	850	
512.17	Operating - Garbage Service	416	416	417	417	515	
512.20	Operating - Repairs Patrol Cars	4,543	21,491	10,000	30,000	10,000	
512.24	Operating - Repairs Radios/Radar	354	758	1,500	1,500	1,500	
512.30	Operating - Building Repairs & Maintenance	4,707	3,098	55,500	55,500	5,000	
512.36	Operating - Maintenance Agreements	8,070	3,945	19,068	19,068	20,305	Radio \$3,200; All Copy Products (overages) \$250; City Hall Copier \$60; All Copy Products (annual) \$1,200; PMI \$695; Mach/Tracs \$950; Watch Guard \$9,000; Central Square \$3,600; Bizco Firewall Warranty \$1,200;
512.42	Operating - Dues, Memberships	4,532	4,468	7,000	7,000	1,300	
512.421	Operating - Basic Training Physicals and Testing	- 0 -	3,272	6,000	- 0 -	6,000	
512.422	Operating - Officer Training	- 0 -	- 0 -	- 0 -	- 0 -	6,000	
512.49	Operating - Uniforms	7,489	4,520	6,400	6,400	6,400	
512.50	Operating - Firearms Training	2,994	1,018	3,000	3,000	3,500	
512.51	Operating - Veterinarian Dog Impound	- 0 -	470	1,000	500	1,000	
512.53	Operating - Information Technology	12,712	13,266	17,868	17,868	20,018	gWorks/SimpleCity \$3,954; BIZCO \$6,604; Email Migration/Server \$920; (2) Computers \$1,850; Accounting Software Upgrade \$6,690
512.58	Operating - DWI/DUI Testing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
512.59	Operating - Community Text System	106	120	121	148	141	
512.60	Operating - Miscellaneous	9,180	2,798	14,500	12,000	14,500	
512.61	Operating - Emergency Management	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
512.62	Operating - Public Relations	1,281	504	1,700	1,700	1,700	
512.63	Operating - Prosecution Agreement - County Att.	2,118	- 0 -	4,000	4,000	4,000	
512.75	Operating - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
512.76	Admin O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
512.929	Operating - Police Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
592.11	Operating - Civil Service Supplies, Postage & Freight	5	3	50	15	50	
592.44	Operating - Civil Service Publications	1,674	1,882	5,000	1,900	3,000	
592.45	Operating - Civil Service Testing	318	1,158	750	1,000	2,750	
592.48	Operating - Legal Fees	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
592.60	Operating - Civil Service Miscellaneous	36	- 0 -	120	100	960	TLO \$840
<b>Total</b>		<b>1,175,640</b>	<b>1,317,869</b>	<b>1,664,994</b>	<b>1,642,253</b>	<b>1,700,912</b>	
516.11	EQ Sharing-Admin O & M - Supplies	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
516.42	EQ Sharing-Training/Prog	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
516.80	EQ Sharing-Equipment	1,480	6,777	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>1,480</b>	<b>6,777</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
513.90	Transfer to County/911 Dispatch	230,606	191,391	233,204	233,204	282,085	
<b>Total</b>		<b>230,606</b>	<b>191,391</b>	<b>233,204</b>	<b>233,204</b>	<b>282,085</b>	
<b>Total Police &amp; Law Enforcement Operating Expense</b>							
		<b>1,407,726</b>	<b>1,516,037</b>	<b>1,898,198</b>	<b>1,875,457</b>	<b>1,982,997</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
512.80	Capital - C.I.P. Fixed Assets - Summary	63,960	76,857	92,400	65,000	118,500	Privacy Fence \$15,000; Patrol Vehicle #3 \$48,000; Vehicle Radio Upgrades \$5,000; Replace 15 Hand Guns \$8,400; (2) MDT Computers \$9,000; Video Camera Upgrades (Vehicle) \$7,000
<b>Total</b>		<b>63,960</b>	<b>76,857</b>	<b>92,400</b>	<b>65,000</b>	<b>118,500</b>	
<hr/>							
<b>Total C.I.P. Police and Law Enforcement Expense</b>		<b>63,960</b>	<b>76,857</b>	<b>92,400</b>	<b>65,000</b>	<b>118,500</b>	
<hr/>							
<b>Total Police &amp; Law Enforcement Expenses</b>		<b>1,471,686</b>	<b>1,592,894</b>	<b>1,990,598</b>	<b>1,940,457</b>	<b>2,101,497</b>	
<hr/>							
<b>Total Police &amp; Law Enforcement</b>		<b>(1,267,998)</b>	<b>(1,521,203)</b>	<b>(1,942,498)</b>	<b>(1,934,777)</b>	<b>(2,093,347)</b>	

2023/2024							Updated 9-1-2023
<b>RAIL CAMPUS</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
525.15	Revenue - Rail Campus	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
525.20	Aid to Construction - Elec Substation	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
525.25	Aid to Construction - Land Acquisition	196,773	248,815	- 0 -	- 0 -	- 0 -	Developed Site Sale
525.50	Rail Campus - Rev - Grants	500,000	- 0 -	- 0 -	3,000	- 0 -	
<b>Total</b>		<b>696,773</b>	<b>248,815</b>	<b>- 0 -</b>	<b>3,000</b>	<b>- 0 -</b>	
<b>Total Rail Campus Revenue</b>							
		<b>696,773</b>	<b>248,815</b>	<b>- 0 -</b>	<b>3,000</b>	<b>- 0 -</b>	
526.821	Admin O & M - Loan Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
526.829	Admin O & M - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
526.58	Admin O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Grand Total Rail Campus Operating Fund Expense</b>							
		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
526.25	Capital Projects - Administrative	35	481	20,500	15,000	20,000	
526.28	Engineering & Consulting Fees	4,484	11,860	15,000	20,500	20,000	
526.50	Rail Campus - Exp - Grants	500,000	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>504,519</b>	<b>12,341</b>	<b>35,500</b>	<b>35,500</b>	<b>40,000</b>	
<b>Total Rail Campus Administrative Expense</b>							
		<b>504,519</b>	<b>12,341</b>	<b>35,500</b>	<b>35,500</b>	<b>40,000</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
<b>Total Rail Campus Expenses, not Including C.I.P.</b>		<b>504,519</b>	<b>12,341</b>	<b>35,500</b>	<b>35,500</b>	<b>40,000</b>	
526.80	Capital Projects - Land Purchase General Fund Misc. - Rail project - Option Buy-Out and real property infrastructure improvements	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total C.I.P. Rail Campus Expense</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Rail Campus Expenses</b>		<b>504,519</b>	<b>12,341</b>	<b>35,500</b>	<b>35,500</b>	<b>40,000</b>	
<b>Total Rail Campus</b>		<b>192,255</b>	<b>236,474</b>	<b>(35,500)</b>	<b>(32,500)</b>	<b>(40,000)</b>	

2023/2024							Updated 9-1-2023
<b>RECYCLING</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
661.01	Revenue - Recycling Receipts	3,223	9,424	4,000	600	1,000	
661.02	Revenue - Grants	1,946	- 0 -	- 0 -	- 0 -	1,250	25% Reimbursement of Processing Costs Acct #662.35
<b>Total</b>		<b>5,168</b>	<b>9,424</b>	<b>4,000</b>	<b>600</b>	<b>2,250</b>	
<b>Total Recycling Revenue</b>		<b>5,168</b>	<b>9,424</b>	<b>4,000</b>	<b>600</b>	<b>2,250</b>	
662.01	Admin O & M - Salaries	10,404	6,194	11,319	13,571	11,609	
662.02	Admin O & M - Social Security	796	474	866	1,046	889	
662.03	Admin O & M - Overtime	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
662.06	Admin O & M - Insurance	1,567	1,734	2,287	2,265	2,718	
662.07	Admin O & M - Audit & Accounting	83	83	91	80	82	AMGL \$82
662.08	Admin O & M - Advertising and Promotion	360	- 0 -	- 0 -	- 0 -	- 0 -	
662.10	Admin O & M - Supplies	72	46	500	300	500	
662.16	Admin O & M - City Use Utilities	2,480	3,030	3,100	3,100	3,100	
662.162	Admin O & M - Telephone	671	547	- 0 -	- 0 -	- 0 -	
662.17	Admin O & M - Garbage	416	416	417	417	513	
662.20	Admin O & M - Equipment Repairs	257	432	1,000	1,000	1,000	
662.30	Admin O & M - Buildings Grounds Upkeep	125	- 0 -	2,000	2,000	2,000	
662.35	Admin O & M - Recycling Processing Costs	- 0 -	1,923	1,000	4,000	5,000	
662.36	Admin O & M - Maintenance Agreements	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
662.42	Admin O & M - Dues, Memberships	204	2	202	200	202	
662.53	Admin O & M - Information Technology	209	206	272	272	315	gWorks/SimpleCity \$36; BIZCO \$190; Email Migration/Server \$29; Accounting Software Upgrade \$60

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
662.57	Admin O & M - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
662.58	Admin O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
662.59	Admin O & M - Community Text System	106	120	121	- 0 -	141	
662.60	Admin O & M - Miscellaneous	133	147	500	400	500	
<b>Total</b>		<b>17,884</b>	<b>15,352</b>	<b>23,675</b>	<b>28,651</b>	<b>28,569</b>	
<b>Total Recycling Operating Expense</b>		<b>17,884</b>	<b>15,352</b>	<b>23,675</b>	<b>28,651</b>	<b>28,569</b>	
662.80	Capital Projects - Fixed Assets	11,105	5,000	90,000	- 0 -		
<b>Total</b>		<b>11,105</b>	<b>5,000</b>	<b>90,000</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total C.I.P. Recycling Expense</b>		<b>11,105</b>	<b>5,000</b>	<b>90,000</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Recycling Expenses + C.I.P.</b>		<b>28,989</b>	<b>20,352</b>	<b>113,675</b>	<b>28,651</b>	<b>28,569</b>	
<b>Total Recycling</b>		<b>(23,821)</b>	<b>(10,928)</b>	<b>(109,675)</b>	<b>(28,051)</b>	<b>(26,319)</b>	

2023/2024							Updated 9-1-2023
<b>SENIOR SHUTTLE</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
658.01	Revenue - Senior Shuttle	453	3,466	4,569	4,000	4,600	
<b>Total</b>		<b>453</b>	<b>3,466</b>	<b>4,569</b>	<b>4,000</b>	<b>4,600</b>	
<hr/>							
<b>Total Senior Shuttle Revenue</b>		<b>453</b>	<b>3,466</b>	<b>4,569</b>	<b>4,000</b>	<b>4,600</b>	
659.06	Admin O & M - Insurance	751	867	1,144	1,133	1,144	
659.11	Admin O & M - Supplies & Fuel	405	1,894	2,200	2,200	2,200	
659.162	Admin O & M - Telephone	692	660	725	725	780	
659.20	Admin O & M - Repairs	816	1,156	500	500	500	
<b>Total</b>		<b>2,664</b>	<b>4,577</b>	<b>4,569</b>	<b>4,558</b>	<b>4,624</b>	
659.80	Capital - Fixed Assets	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<hr/>							
<b>Total CIP &amp; Senior Shuttle Operating Fund Expense</b>		<b>2,664</b>	<b>4,577</b>	<b>4,569</b>	<b>4,558</b>	<b>4,624</b>	
<hr/>							
<b>Total Senior Shuttle</b>		<b>(2,211)</b>	<b>(1,112)</b>	<b>- 0 -</b>	<b>(558)</b>	<b>(24)</b>	

2023/2024							Updated 9-1-2023
<b>SENIOR CENTER</b>							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
655.01	Revenue - Meals/Milk/Clients	21,902	25,475	24,000	27,000	24,000	
655.02	Revenue - User Fees	3,150	3,150	3,000	2,800	3,000	
655.03	Revenue - USDA Reimbursement	3,407	4,007	4,500	4,912	4,500	
655.04	Revenue - Title XX Reimbursement	4,601	3,449	2,500	4,020	2,500	
655.05	Revenue - Grants & Donations	7,374	9,185	20,000	- 0 -	20,000	Offset - 656.63
655.06	Revenue - Fund Raisers	7,631	22,605	20,000	24,500	20,000	
655.07	Property Tax Requirement	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
655.08	Revenue - Lincoln Area/Aging	6,500	6,500	6,500	6,500	6,500	
655.90	Revenue - Non Operating Revenue	- 0 -	45,360	- 0 -	50	- 0 -	
655.920	Revenue - Transfer/Foundation Salaries and Social Security	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	City Covers all Salaries
<b>Total</b>		<b>54,565</b>	<b>119,731</b>	<b>80,500</b>	<b>69,782</b>	<b>80,500</b>	
<b>Total Senior Center Revenue</b>		<b>54,565</b>	<b>119,731</b>	<b>80,500</b>	<b>69,782</b>	<b>80,500</b>	
656.01	Admin O & M - Salaries	36,692	44,588	49,119	50,856	53,386	
656.02	Admin O & M - Social Security	2,436	2,953	3,758	3,758	4,084	
656.03	Admin O & M - Overtime	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
656.04	Admin O & M - Group Insurance	22,029	26,372	27,439	27,439	27,019	
656.05	Admin O & M - Retirement	2,202	2,675	2,948	2,948	3,204	
656.06	Admin O & M - Insurance	3,690	4,109	5,418	5,367	6,440	
656.07	Admin O & M - Audit & Accounting	165	165	181	160	163	AMGL \$163
656.081	Admin O & M - Contract Snow Removal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
656.082	Admin O & M - Contract Janitor	1,400	4,550	4,500	4,500	4,500	Contracted Janitor
656.10	Admin Programs - Meal Supplies	2,679	4,414	5,000	5,000	6,000	
656.11	Admin O & M - Supplies, Postage & Freight	1,460	1,956	2,200	2,203	2,700	
656.12	Admin O & M - Gas & Oil	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
656.15	Admin O & M - Equipment	- 0 -	882	1,000	1,000	2,000	
656.16	Admin O & M - City Use Utilities	6,257	6,490	7,000	7,000	7,500	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
656.162	Admin O & M - Telephone	865	760	780	1,019	1,140	Cell Phone Reimb \$360; Windstream \$780
656.163	Admin O & M - Natural Gas	2,994	2,442	3,000	3,000	3,000	
656.17	Admin O & M - Garbage	416	416	417	417	515	
656.20	Admin O & M - Repairs	1,270	2,996	3,000	3,000	3,000	
656.30	Admin O & M - Buildings, Grounds Upkeep	1,372	1,783	2,000	2,000	2,000	
656.36	Admin O & M - Service Maintenance Contracts	2,229	2,019	3,163	3,163	3,000	City Hall/Muni Bldg Copier \$1,263; Refrigeration Maint \$900; Kitchen Hood Inspect \$300; Fire Sprinkler \$200;
656.42	Admin O & M - Dues, Memberships, Training, Mileage	13	154	100	110	175	
656.50	Admin Programs - Fund Raising Supplies	2,120	6,643	7,500	7,000	7,500	
656.53	Admin O & M - Information Technology/WIFI	1,190	1,119	1,484	1,484	1,653	gWorks SimpleCity \$160; Bizco \$758; Email Migration/Server \$115; Last Mile \$350; Accounting Software Upgrade \$270
656.59	Admin O & M - Community Text System	106	120	121	121	141	
656.60	Admin O & M - Miscellaneous	378	251	500	500	500	
656.61	Admin O & M Programs	776	2,241	2,500	2,500	3,000	
656.63	Admin O & M Grants & Donations	- 0 -	2,413	20,000	- 0 -	20,000	
656.70	Admin Programs - Meal Contract	32,405	34,496	36,000	39,000	38,000	
656.99	Admin Programs - Transfer to Foundation - Plus or Minus to Balance	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>125,145</b>	<b>157,008</b>	<b>189,128</b>	<b>173,545</b>	<b>200,620</b>	
656.80	Capital - Fixed Assets	6,719	7,985	30,000	- 0 -	30,000	
<b>Total</b>		<b>6,719</b>	<b>7,985</b>	<b>30,000</b>	<b>- 0 -</b>	<b>30,000</b>	
<b>Total CIP &amp; Senior Center Operating Expense</b>		<b>131,864</b>	<b>164,993</b>	<b>219,128</b>	<b>173,545</b>	<b>230,620</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
	Total Senior Center	(77,299)	(45,262)	(138,628)	(103,763)	(150,120)	

2023/2024							Updated 9-1-2023
STREET							
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
521.04	Revenue - Highway Allocation	856,221	849,109	901,111	901,111	980,992	
521.041	Revenue - Maintenance Agreement	21,866	21,866	21,866	21,866	21,866	
521.05	Revenue - Incentive Payment	6,000	6,000	6,000	6,000	6,000	
521.06	Revenue - Miscellaneous Sales & Service	507	2,595	1,500	688	1,500	
521.08	Revenue - City Sales Tax Motor Vehicle	298,097	262,941	220,000	344,000	275,000	
521.10	Revenue - State Motor Vehicle Fee	58,083	62,299	58,000	63,615	60,000	
521.504	Revenue - DS Assess Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
521.509	Revenue - DS Assess Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
521.549	Revenue - New Subdivision ESC	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
521.609	Revenue - Wood Chip Sales	640	60	250	40	250	
521.90	Revenue - Non-Operating	6,042	46,230	6,000	11,022	6,000	
521.901	Revenue - Grants	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
521.905	Revenue - Gas Tax - LB610	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
521.910	Revenue - Grants	- 0 -	500,000	- 0 -	- 0 -	- 0 -	
521.999	Revenue - Transfer from General Fund	805,000	990,000	2,480,000	2,480,000	1,500,000	Transfer from General - 502.95
521.99	Revenue - Construction	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>2,052,455</b>	<b>2,741,100</b>	<b>3,694,727</b>	<b>3,828,342</b>	<b>2,851,608</b>	
614.01	Revenue - Grants	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
614.90	Revenue - Releaf Planting Rebates	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
523.511	Revenue - STP Interest	3	5	3	23	- 0 -	
523.521	Revenue - STP Funds - NE Roads	145,318	151,138	169,889	190,480	186,841	Offset 524.521 - STP \$186,841
523.522	Revenue - Bridge Funds - NE Roads	- 0 -	8,319	12,700	12,409	8,244	Bridge \$8,244
523.90	Revenue - STP Non-Operating	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>145,320</b>	<b>159,462</b>	<b>182,592</b>	<b>202,912</b>	<b>195,085</b>	
<b>Total Street Revenue</b>		<b>2,197,775</b>	<b>2,900,562</b>	<b>3,877,319</b>	<b>4,031,254</b>	<b>3,046,693</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
522.01	Distribution O & M - Salaries	276,301	308,211	357,865	338,000	394,210	
522.02	Distribution O & M - Social Security	21,214	22,690	28,476	28,476	31,367	
522.03	Distribution O & M - Overtime	12,618	6,122	14,366	8,500	15,814	
522.04	Distribution O & M - Group Insurance	83,750	104,168	111,986	102,000	126,528	
522.05	Distribution O & M - Retirement	13,885	17,488	19,948	19,948	21,905	
522.059	Distribution O & M - Wellness	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
522.06	Distribution O & M - Insurance	34,688	38,607	50,446	49,316	59,179	
522.07	Distribution O & M - Audit & Accounting	1,653	1,653	1,803	1,597	1,628	AMGL \$1,628
522.08	Distribution O & M - Engineering/Consultation	1,694	- 0 -	- 0 -	- 0 -	- 0 -	
522.10	Distribution O & M - Maintenance Supplies/Equipment	72,682	75,830	85,000	76,000	85,000	Tools, Cold Patch, Sand, Supplies
522.11	Facilities O & M - Office Supplies, Postage & Freight	109	109	500	250	500	
522.12	Distribution O & M - Gas/Oil/Diesel	32,503	36,330	40,000	40,000	40,000	
522.16	Facilities O & M - City Use Utilities	31,671	27,620	31,000	31,000	31,000	
522.162	Facilities O & M - Telephone	3,939	4,021	4,260	4,260	3,900	Cell Phone \$2,160; Verizon \$1080; Tracfone \$360; Time Warner \$300
522.17	Facilities O & M - Garbage	416	416	417	417	515	
522.20	Distribution O & M - Equipment Repairs	45,157	37,650	45,000	45,000	45,000	
522.30	Facilities O & M - Buildings/Grounds Upkeep	505	4,932	6,000	5,000	6,000	Hauling Burn Pile Ash \$4,000
522.36	Facilities O & M - Maintenance Agreements	4,326	4,910	4,625	4,625	4,640	Janitorial \$4,220; City Hall/ Muni Bldg Copier \$420
522.42	Facilities O & M - Dues, Memberships, Training, Mileage	414	678	1,500	1,500	1,500	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
522.53	Facilities O & M - Information Technology	6,270	6,424	9,250	9,250	10,089	gWorks SimpleCity \$1,649; gWorks GIS \$1,420; BIZCO \$3,032; Email Migration/Server \$460; Agenda/Sparqdata \$738; Accounting Software Upgrade \$2,790
522.57	Facilities O & M - Succession Plan	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
522.58	Admin O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
522.59	Facilities O & M - Community Text System	106	120	121	148	141	
522.60	Facilities O & M - Miscellaneous Summary	4,443	3,988	6,000	4,500	6,000	BNSF Pump House Lease \$2,400;
522.84	Facilities O & M - Technology/Software Licensing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	All coded to 522.53
522.90	Facilities O & M - Non-Operating	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
524.521	STP Funds	145,318	151,138	169,889	190,479	186,841	Transfer to Debt Service for Street Projects (Offset 523.521)
524.522	Bridge Funds	- 0 -	3,325	12,700	- 0 -	8,244	Biennial Bridge Inspection \$5,000
<b>Total</b>		<b>793,662</b>	<b>856,430</b>	<b>1,001,152</b>	<b>960,266</b>	<b>1,080,001</b>	
615.01	Admin O & M - Planting Program	300	585	12,500	- 0 -	12,500	Emerald Ash Borer \$10,000
615.11	Admin O & M - Support Postage Freight	1	- 0 -	50	- 0 -	50	
615.42	Admin O & M - Dues, Memberships, Training and Mileage	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
615.58	Admin O & M - Debt Service P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>301</b>	<b>585</b>	<b>12,550</b>	<b>- 0 -</b>	<b>12,550</b>	
<b>Total Street Operating Expense</b>		<b>793,963</b>	<b>857,015</b>	<b>1,013,702</b>	<b>960,266</b>	<b>1,092,551</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
522.09	Capital - Work-In-Process - C.I.P. - Summary.	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
522.52	Capital Improvement Projects	480,824	603,503	4,325,287	2,338,904	4,023,850	
522.80	Capital - Fixed Assets - Summary	224,213	202,229	191,945	189,945	277,245	Dump Truck \$200,000; R.O.W. Mower \$26,000; Payloader \$24,245; GIS Update \$45,000; Heat Tank \$14,000; Concrete Breaker \$8,000; Head Set Communication System \$5,000
522.99	Capital - Construction	1,262,247	886,166	- 0 -	93,998	- 0 -	
<b>Total</b>		<b>1,967,284</b>	<b>1,691,898</b>	<b>4,517,232</b>	<b>2,622,847</b>	<b>4,301,095</b>	
	<b>Total C.I.P. Street Expense</b>	<b>1,967,284</b>	<b>1,691,898</b>	<b>4,517,232</b>	<b>2,622,847</b>	<b>4,301,095</b>	
	<b>Total Street Expenses + C.I.P.</b>	<b>2,761,247</b>	<b>2,548,913</b>	<b>5,530,934</b>	<b>3,583,113</b>	<b>5,393,646</b>	
	<b>Total Street</b>	<b>(563,471)</b>	<b>351,649</b>	<b>(1,653,615)</b>	<b>448,141</b>	<b>(2,346,953)</b>	

2023/2024								Updated 9-1-2023
<b>TAX INCREMENT FINANCIING</b>								
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments	
731.71	Revenue - Progr Sheet Metal	3,914	3,859	3,738	3,738	3,738	County Treasurer Receipts	
731.72	Revenue - Sports Express	2,979	3,089	2,518	2,518	2,518		
731.723	Revenue - Interest on Savings -	333	587	500	500	500		
731.73	Revenue - Seward Hotel	39,886	39,538	39,078	39,078	39,078		
731.74	Revenue - B & M Seed	7,451	4,094	5,428	5,428	5,428		
731.75	Revenue - Jones Natl Bank	60,349	60,349	60,350	60,350	60,350		
731.76	Revenue - Jones Ins Agency	9,937	10,294	6,575	6,575	6,575		
731.77	Revenue - Administrative Retention	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	3% Admin Fee on Future Projects	
731.771	Revenue - Peek Prop	2,651	2,624	2,493	2,493	2,493		
731.79	Revenue - Grimes Const	5,723	5,992	3,429	3,429	3,429		
731.80	Revenue - CNG	76,767	81,939	133,272	133,272	133,272		
731.81	Revenue - Lindner Redevelopment	9,042	7,736	7,385	7,385	7,385		
731.83	Revenue - Bottle Rocket Brewing	13,754	9,339	13,375	13,375	13,375		
731.84	Revenue - Two Creeks Holdings	6,684	6,363	5,603	5,603	5,603		
731.86	Revenue - Two Creeks Hldngs Stge/W	2,120	2,797	2,611	2,611	2,611		
731.87	Revenue - FastMart	15,707	15,886	15,168	15,168	15,168		
731.88	Revenue - KACH 510 (Bradford Center)	4,148	4,470	4,636	4,636	4,636		
731.89	Revenue - Future Applications	- 0 -	- 0 -	25,000	25,000	25,000		
731.90	Revenue - Non-Operating	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -		
731.92	Revenue - Kach 139 N 6th St	- 0 -	- 0 -	3,704	3,704	3,704		
731.93	Revenue - Barely Legal Distilling	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Project did not move forward	
731.94	Revenue - Plex Homes LLC	15,024	14,045	17,670	17,670	17,670		
731.95	Revenue - Scoular Company	43,869	259,275	260,000	260,000	260,000		
731.96	Revenue - Green Futures	8,889	9,729	10,000	10,000	10,000		
731.97	Revenue - Else & Burger	- 0 -	5,447	5,807	5,807	5,807		
731.98	Revenue - Seward Dairy Queen	- 0 -	10,210	7,651	7,651	7,651		
731.99	Revenue - Alps Dog Retreat	- 0 -	- 0 -	4,590	4,590	4,590		
731.100	Revenue - Kach 647 Seward St	- 0 -	395	1,656	1,656	1,656		
731.101	Revenue - Kach 640/644 Seward St	- 0 -	847	3,951	3,951	3,951		
731.102	Revenue - Scooters/GH Coffee	6,547	4,530	4,710	4,710	4,710		
731.103	Revenue - Lavander's	- 0 -	3,589	8,074	8,074	8,074		

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
731.104	Revenue - Arrowhead Estate	1,000	- 0 -	- 0 -	- 0 -	- 0 -	Project did not move forward
731.105	Revenue - Old Town Square	9,153	- 0 -	4,557	4,557	4,557	
731.106	Revenue - Plex Homes LLC - Phase 2	- 0 -	- 0 -	8,334	8,334	8,334	
731.107	Revenue - Ironhide	1,000	- 0 -	5,343	5,343	5,343	
731.108	Revenue - Plex Homes LLC - Phase 3	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
731.109	Revenue - 14TIN LLC	105	- 0 -	1,000	1,000	1,000	
731.110	Revenue - DWELL Dev LLC	- 0 -	1,000	- 0 -	- 0 -	- 0 -	Project did not move forward
731.111	Revenue - SFD OPCO LLC - Phase 2	- 0 -	1,000	9,000	9,000	9,000	
731.112	Revenue - Ironhide - Phase 2	- 0 -	1,000	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>347,032</b>	<b>570,021</b>	<b>687,206</b>	<b>687,206</b>	<b>687,206</b>	
	<b>Total Tax Increment Financing Revenue</b>	<b>347,032</b>	<b>570,021</b>	<b>687,206</b>	<b>687,206</b>	<b>687,206</b>	
732.710	Expense - Prog Sheet Metal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.720	Expense - Sports Express	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.730	Expense - Seward Hotel	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.740	Expense - B & M Seed	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.750	Expense - Jones National Bank	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.760	Expense - Jones Insurance	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.770	Expense - Peek Properties	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.790	Expense - Grimes Const - Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.791	Expense - CNG	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.792	Expense - Lindner Redev	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.794	Expense - Bottle Rocket Brewing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.795	Expense - Two Creeks Holdings	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.811	Expense - Two Creeks Hldngs Stge/W	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.796	Expense - Rail Hot Mill	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.850	Expense - Allure	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.851	Expense - FastMart (Bugeaters)	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.852	Expense - KACH 510 (Bradford Center)	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.853	Expense - Kach 139 N 6th St	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.854	Expense - Barely Legal Distilling	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.855	Expense - Plex Homes LLC	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.856	Expense - Scoular Company	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
732.857	Expense - Green Futures	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.858	Expense - Else & Burger	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.859	Expense - Seward Dairy Queen	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.860	Expense - Alps Dog Retreat	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.861	Expense - Kach 647 Seward St	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.862	Expense - Kach 640/644 Seward St	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.863	Expense - Scooters/GH Coffee	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.864	Expense - Lavander's	6,391	- 0 -	- 0 -	- 0 -	- 0 -	
732.865	Expense - Arrowhead Estate	10,975	- 0 -	- 0 -	- 0 -	- 0 -	
732.866	Expense - Old Town Square	5,052	- 0 -	- 0 -	- 0 -	- 0 -	
732.867	Expense - Plex Homes LLC - Phase 2	5,003	- 0 -	- 0 -	- 0 -	- 0 -	
732.868	Expense - Ironhide	5,988	- 0 -	- 0 -	- 0 -	- 0 -	
732.871	Expense - Plex Homes LLC - Phase 3	1,500	- 0 -	- 0 -	- 0 -	- 0 -	
732.874	Expense - 14 TIN, LLC	- 0 -	4,584	1,000	1,000	1,000	
732.877	Expense - DWELL Dev, LLC	- 0 -	7,745	- 0 -	- 0 -	- 0 -	
732.880	Expense - SFD OPCO LLC - Phase 2	- 0 -	10,165	9,000	9,000	9,000	
732.883	Expense - Ironhide - Phase 2	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.718	Progressive Sheet Metal - Principal	3,003	3,164	3,009	3,009	3,009	
732.719	Progressive Sheet Metal - Interest	911	695	729	729	729	
732.728	Sports Express - Principal	2,483	2,377	2,027	2,027	2,027	
732.729	Sports Express - Interest	496	417	491	491	491	
732.738	Seward Hotel - Principal	27,786	28,659	28,702	28,702	28,702	
732.739	Seward Hotel - Interest	12,100	10,879	10,376	10,376	10,376	
732.748	B & M - Principal	6,025	3,253	3,987	3,987	3,987	
732.749	B & M - Interest	1,426	841	1,441	1,441	1,441	
732.758	Jones Bank - Principal	37,507	41,844	42,943	42,943	42,943	
732.759	Jones Bank - Interest	22,842	18,505	17,407	17,407	17,407	
732.768	Jones Insurance - Principal	8,582	4,740	4,597	4,597	4,597	
732.769	Jones Insurance - Interest	1,355	726	1,978	1,978	1,978	
732.778	Peek Prop - Principal	1,819	2,009	1,805	1,805	1,805	
732.779	Peek Properties- Interest	833	615	688	688	688	
732.797	Grimes Const - Principal	4,487	4,955	2,291	2,291	2,291	
732.798	Grimes Const- Interest	1,237	1,036	1,138	1,138	1,138	
732.801	CNG - Principal	30,126	38,962	83,045	83,045	83,045	
732.802	CNG - Interest	46,641	42,976	50,227	50,227	50,227	
732.803	Lindner - Principal	5,983	4,937	4,816	4,816	4,816	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
732.804	Lindner - Interest	3,059	2,799	2,569	2,569	2,569	
732.807	Bottle Rocket Brewing - Principal	8,055	4,642	8,027	8,027	8,027	
732.808	Bottle Rocket Brewing - Interest	5,699	4,697	5,348	5,348	5,348	
732.809	Two Creeks Holdings - Principal	3,756	4,534	3,392	3,392	3,392	
732.810	Two Creeks Holdings - Interest	2,418	1,829	2,211	2,211	2,211	
732.812	Two Creeks Hldngs Stge/W - Principal	1,220	1,737	1,304	1,304	1,304	
732.813	Two Creeks Hldngs Stge/W Interest	1,410	1,060	1,307	1,307	1,307	
732.815	FastMart (Bugeaters) - Principal	8,090	10,200	8,239	8,239	8,239	
732.816	FastMart (Bugeaters) - Interest	7,616	5,687	6,929	6,929	6,929	
732.817	Kach 510/Bradford - Principal	- 0 -	2,054	2,938	2,938	2,938	
732.818	Kach 510/Bradford - Interest	4,148	2,416	1,698	1,698	1,698	
732.819	Kach 139 N 6th St - Principal	- 0 -	- 0 -	1,766	1,766	1,766	
732.820	Kach 139 N 6th St - Interest	- 0 -	- 0 -	1,938	1,938	1,938	
732.821	Barely Legal - Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.822	Barely Legal - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.823	Plex Homes LLC - Principal	15,024	7,324	17,670	17,670	17,670	
732.824	Plex Homes LLC - Interest	- 0 -	6,721	- 0 -	- 0 -	- 0 -	
732.825	Scoular Company - Principal	43,869	259,275	260,000	260,000	260,000	
732.826	Scoular Company - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.827	Green Futures - Principal	8,889	8,540	10,000	10,000	10,000	
732.828	Green Futures - Interest	- 0 -	1,189	- 0 -	- 0 -	- 0 -	
732.829	Else & Burger - Principal	- 0 -	5,447	5,807	5,807	5,807	
732.830	Else & Burger - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.831	Dairy Queen - Principal	- 0 -	10,210	7,651	7,651	7,651	
732.832	Dairy Queen - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.833	Alps Dog Retreat - Principal	- 0 -	- 0 -	2,034	2,034	2,034	
732.834	Alps Dog Retreat - Interest	- 0 -	- 0 -	2,556	2,556	2,556	
732.835	Kach 647 Seward St - Principal	- 0 -	395	819	819	819	
732.836	Kach 647 Seward St - Interest	- 0 -	- 0 -	837	837	837	
732.837	Kach 640/644 Seward St - Principal	- 0 -	847	1,955	1,955	1,955	
732.838	Kach 640/644 Seward St - Interest	- 0 -	- 0 -	1,996	1,996	1,996	
732.839	Scooters/GH Coffee - Principal	- 0 -	4,530	4,710	4,710	4,710	
732.840	Scooters/GH Coffee - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.841	Levander's - Principal	- 0 -	3,589	8,074	8,074	8,074	
732.842	Levander's - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.843	Arrowhead Estate - Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
732.844	Arrowhead Estate - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.845	Old Town Square - Principal	- 0 -	- 0 -	4,557	4,557	4,557	
732.846	Old Town Square - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.847	Plex Homes - Phase 2 - Principal	- 0 -	- 0 -	8,334	8,334	8,334	
732.848	Plex Homes - Phase 2 - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.869	Ironhide - Principal	- 0 -	- 0 -	2,368	2,368	2,368	
732.870	Ironhide - Interest	- 0 -	- 0 -	2,975	2,975	2,975	
732.872	Plex Homes - Phase 3 - Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.873	Plex Homes - Phase 3 - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.875	14 TIN, LLC - Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.876	14 TIN, LLC - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.878	DWELL Dev - Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.879	DWELL Dev - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.881	SFD OPCO - Phase 2 - Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.882	SFD OPCO - Phase 2 - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.884	Ironhide - Phase 2 - Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.885	Ironhide - Phase 2 - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
732.789	Admin - City Loan Admin & Legal Costs	1,435	7,025	10,000	10,000	10,000	
732.89	Admin - Future Applications	- 0 -	- 0 -	25,000	25,000	25,000	
<b>Total</b>		<b>365,238</b>	<b>590,830</b>	<b>696,706</b>	<b>696,706</b>	<b>696,706</b>	
	<b>Total Tax Increment Financing Operating Expense</b>	<b>365,238</b>	<b>590,830</b>	<b>696,706</b>	<b>696,706</b>	<b>696,706</b>	
	<b>Total Tax Increment</b>	<b>(18,206)</b>	<b>(20,809)</b>	<b>(9,500)</b>	<b>(9,500)</b>	<b>(9,500)</b>	

2023/2024							Updated 9-1-2023	
<b>WASTE WATER</b>		<b>* Franchise on all except Donations and Grants</b>						
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments	
401.01	Waste Water Revenue - Consumer Sales	1,746,249	1,833,517	2,075,000	2,075,000	2,370,000	15.0% Sewer Capital Charge Included	
401.029	Waste Water Revenue - Late Charges	9,954	10,548	9,000	10,700	9,500		
401.04	Waste Water Revenue - Misc. Sales and Service	6,823	7,278	7,000	5,000	7,000		
401.90	Waste Water Revenue - Non - Operating	3,224	61,850	500	900	500		
401.50	Waste Water Revenue - Donations and Grants	- 0 -	- 0 -	25,000	- 0 -	25,000		
401.943	Waste Water Revenue - Non - Operating Interest	8,395	8,284	7,000	20,000	10,000		
401.944	Waste Water Revenue - Assmts - Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -		
401.949	Waste Water Revenue - Assmts - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -		
401.969	Waste Water Revenue - Sludge Field Cultivation	6,000	6,200	6,200	6,200	6,200		
401.99	Waste Water Revenue - Construction	2,900	- 0 -	- 0 -	- 0 -	22,000,000	Bond Proceeds for Capital Projects (Offset 411.99)	
<b>Total</b>		<b>1,783,546</b>	<b>1,927,676</b>	<b>2,129,700</b>	<b>2,117,800</b>	<b>24,428,200</b>		
401.441	Waste Water Revenue - Sinking Fund	15,000	15,000	285,000	285,000	580,000	Sewer Capital Charge \$580,000	
<b>Total</b>		<b>15,000</b>	<b>15,000</b>	<b>285,000</b>	<b>285,000</b>	<b>580,000</b>		
<b>Total Waste Water Revenue</b>		<b>1,798,546</b>	<b>1,942,676</b>	<b>2,414,700</b>	<b>2,402,800</b>	<b>25,008,200</b>		
410.32	Waste Water Plant O & M - OM Controls	- 0 -	- 0 -	- 0 -	600	- 0 -		
411.10	Waste Water Plant O & M - Lab Supplies Treatment	2,263	1,534	3,000	7,500	3,500		

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
411.16	Waste Water Plant O & M - City Use Utilities	70,299	74,081	76,000	70,000	76,000	
411.161	Waste Water Plant O & M - Data Transmission	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
411.162	Waste Water Plant O & M - Telephone	2,845	2,779	3,040	3,040	3,070	Cell Phone \$1,260; US Cellular \$150; Spectrum \$360; Winstream \$1,300;
411.163	Waste Water Plant O & M - Natural Gas	939	1,095	3,000	500	469	
411.23	Waste Water Plant O & M - Pump/Plant/repair & Upkeep.	29,553	29,779	45,000	45,000	103,000	3" Moyno PD Pump \$20,000; UV Bulb Replacement \$38,000
411.30	Waste Water Plant O & M - Bldg. & Grounds Upkeep.	7,325	29,266	20,000	10,000	20,000	
411.22	Waste Water O & M - Maintenance Repairs & Upkeep	104,486	8,484	100,000	10,000	100,000	Sewer Line Upgrades as Needed \$100,000
411.01	Waste Water Production - Salaries	203,595	227,099	260,587	250,000	265,573	
411.02	Waste Water Production - Social Security	15,110	16,779	20,750	20,750	21,172	
411.03	Waste Water Production - Overtime	2,342	4,520	10,650	9,300	11,180	
411.04	Waste Water Production - Group Insurance	49,146	64,749	79,090	55,000	59,628	
411.05	Waste Water Production - Retirement	9,957	12,389	14,770	14,770	15,037	
411.059	Waste Water Production - Wellness Incentive	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
411.31	Waste Water Production - Sludge Water Tests	14,102	15,316	15,000	12,000	16,000	
411.36	Waste Water Production - Service Maint Agreements	29,768	- 0 -	8,700	5,000	8,700	Metering Software Service \$8,100; Annual Drive-By Service \$600
411.42	Waste Water Production - Dues, Memberships, Training, Mileage	968	1,475	3,100	1,200	3,500	
411.53	Waste Water Production - Information Technology	187	187	200	200	200	LogMeIn/GoToPro \$200;

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
412.10	Waste Water Production - Supplies, Freight & Uniforms.	8,841	15,863	15,000	7,000	15,000	
412.12	Waste Water Production - Gasoline & Oil	6,811	10,275	14,000	14,000	16,000	
412.17	Waste Water Production - Garbage	416	416	417	417	515	
412.20	Waste Water Production - Vehicles & Equipment Repairs	7,264	17,718	8,000	22,000	10,000	
413.08	Waste Water Production - Engineering/Consulting	49,710	45,568	69,381	48,018	70,125	City Engineer \$40,125; General Engineering \$30,000
413.90	Waste Water Production - Non-Operating	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
413.01	Waste Water Adm O & M - Salaries	132,947	136,635	154,229	145,000	165,131	
413.02	Waste Water Adm O & M - Social Security	9,644	9,968	11,799	11,799	12,633	
413.03	Waste Water Adm O & M- Overtime	3	- 0 -	- 0 -	- 0 -	- 0 -	
413.04	Waste Water Adm O & M - Group Insurance	22,937	33,330	36,067	27,000	36,601	
413.05	Waste Water Adm O & M - Retirement	7,193	7,623	9,254	9,254	9,908	
413.059	Waste Water Adm O & M - Wellness Incentive	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
413.06	Waste Water Adm O & M - Insurance	38,166	43,479	54,969	54,297	65,156	
413.07	Waste Water Adm O & M - Audit & Accounting	3,537	3,537	3,808	3,436	3,493	AMGL \$2,930; EMMA Reporting \$563
413.11	Waste Water Adm O & M - Office Supplies, Postage & Freight.	8,070	9,399	11,359	9,000	11,359	City Hall Supplies \$2,359
413.36	Waste Water Adm O & M - Service/Maint Agrmts	232	206	316	375	325	City Hall/ Muni Bldg Copier \$60; Pitney Bowes Meter Rent \$135; Pitney Bowes Annual Maint \$85; Paper Tiger Shredding \$45

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
413.40	Waste Water Adm O & M - Operational Costs	8,250	9,000	9,000	9,000	9,000	
413.42	Waste Water Adm O & M - Dues, Memberships, Training, Mileage	8,811	11,836	10,725	10,725	12,415	
413.53	Waste Water Adm O & M - Info Technology	14,341	14,046	15,800	16,404	17,836	gWorks/SimpleCity \$1,366; gWorks/GIS \$1,420; BIZCO \$9,095; Email Migration/Server \$1,380; Agenda Mgmt \$738; Last Mile \$960; City Hall Info Tech \$567; Accounting Software Upgrade \$2,310
413.58	Waste Water Adm O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Estimate - Newly Bonded Capital Projects
413.59	Waste Water Adm O & M - Community Text System	106	120	121	148	141	
413.60	Waste Water Adm O & M - Miscellaneous	6,043	2,658	5,100	4,000	5,100	(3) BNSF Agreements - \$2,100;
413.75	Waste Water Adm O & M - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
413.84	Waste Water Adm O & M - Geographic Sytem	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
413.861	Waste Water Adm O & M - Costs Beyond Utility Control	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
413.87	Waste Water Adm O & M - Technology/Software Licensing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Coded to 413.53
413.89	Waste Water Adm O & M - Franchise Tax	88,952	96,294	- 0 -	- 0 -	- 0 -	0% of WWT Revenues - Less Donations & Grants: offset 501.068; Reduced to 0% (FYE 9-30-23)
413.991	Waste Water Adm O& M - Depreciation Expense	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
413.992	Waste Water Adm O& M - Amortization Expense	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>965,157</b>	<b>957,504</b>	<b>1,092,232</b>	<b>906,733</b>	<b>1,167,767</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
<b>Total Waste Water Operating Expense</b>		<b>965,157</b>	<b>957,504</b>	<b>1,092,232</b>	<b>906,733</b>	<b>1,167,767</b>	
413.50	Waste Water Capital - Donations/Grants - Security eq. grant	- 0 -	- 0 -	25,000	- 0 -	25,000	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>25,000</b>	<b>- 0 -</b>	<b>25,000</b>	
413.82	Waste Water - Adm - Fixed Assets	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
<b>Total Waste Water Administrative Expense</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>25,000</b>	<b>- 0 -</b>	<b>25,000</b>	
413.920	Waste Water - Bond Reserve Expense - Berens and Tate	- 0 -	4,500	3,000	3,000	3,000	
413.943	Waste Water - Debt - Principal	260,250	265,000	270,000	270,000	265,000	
413.949	Waste Water - Debt - Bond Interest	38,522	25,258	24,463	24,463	23,518	
<b>Total</b>		<b>298,772</b>	<b>294,758</b>	<b>297,463</b>	<b>297,463</b>	<b>291,518</b>	
<b>Total Waste Water Debt Expense</b>		<b>298,772</b>	<b>294,758</b>	<b>297,463</b>	<b>297,463</b>	<b>291,518</b>	
<b>Total Waste Water Expenses, not Including C.I.P.</b>		<b>1,263,930</b>	<b>1,252,261</b>	<b>1,414,695</b>	<b>1,204,196</b>	<b>1,484,285</b>	
411.09	Waste Water Capital - Work-In-Process - C.I.P. - Summary.	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
411.80	Waste Water Fixed Assets - C.I.P. - Summary	38,930	401,894	157,700	50,000	150,000	New AMI System \$105,000; GIS Update \$45,000;
411.99	Waste Water Capital - Construction	365,295	371,331	1,005,000	1,500,000	22,410,000	
413.85	Waste Water - Adm Capital - Sinking Fund.	15,000	15,000	285,000	285,000	850,000	15% Sewer Capital Charge \$595,000
<b>Total</b>		<b>419,225</b>	<b>788,225</b>	<b>1,447,700</b>	<b>1,835,000</b>	<b>23,410,000</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
	<b>Total C.I.P. Waste Water Expenses</b>	419,225	788,225	1,447,700	1,835,000	23,410,000	
	<b>Total Waste Water Expenses + C.I.P.</b>	1,683,155	2,040,487	2,862,395	3,039,196	24,894,285	
	<b>Total Waste Water</b>	115,391	(97,811)	(447,695)	(636,396)	113,915	

2023/2024							Updated 9-1-2023	
<b>WATER</b>		<b>* Franchise on all except Donations and Grants</b>						
Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments	
301.01	Water Revenue - Consumer Sales	2,029,940	2,126,602	1,850,000	2,100,000	2,000,000	0% Rate Increase	
301.029	Water Revenue - Penalty Charges	9,283	9,541	9,000	9,100	9,500		
301.03	Water Revenue - Delinquent Service Chg.	25	- 0 -	- 0 -	- 0 -	- 0 -		
301.04	Water Revenue - Misc. Sales & Service	27,542	22,065	30,000	22,000	22,000		
301.50	Water Revenue - Donations and Grants	638,572	638,572	325,000	10,000	325,000	ARPA from Seward Co - \$300,000	
301.90	Water Revenue - Non-Operating	104,223	146,947	108,000	100,000	112,000	Tower Leases/Land Rent	
301.933	Water Revenue - Non - Operating Interest	13,978	17,782	13,000	78,000	40,000		
301.934	Water Revenue - Assmts - Principal	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -		
301.939	Water Revenue - Assmts - Interest	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -		
301.99	Water Revenue - Construction	- 0 -	- 0 -	- 0 -	- 0 -	3,000,000	SRF Loan for Water Tower Proceeds for Capital Projects (Offset 311.99)	
<b>Total</b>		<b>2,823,563</b>	<b>2,961,509</b>	<b>2,335,000</b>	<b>2,319,100</b>	<b>5,508,500</b>		
301.84	Revenue - Sinking Fund	20,000	20,000	20,000	- 0 -	20,000		
<b>Total</b>		<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>- 0 -</b>	<b>20,000</b>		
<b>Total Water Revenue</b>		<b>2,843,563</b>	<b>2,981,509</b>	<b>2,355,000</b>	<b>2,319,100</b>	<b>5,528,500</b>		
310.30	Water Tower - O & M	11,819	534	17,000	17,000	17,000		
310.31	Water Wells - O & M	47,599	63,666	60,000	60,000	50,000		
310.32	Water Plant O & M - Water Controls	3,291	1,444	20,000	40,000	48,000	Cla Valves \$28,900; PLC \$7,300	
311.07	Water Plant O & M - System Upkeep	10,897	31,377	25,000	25,000	30,000		

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
311.10	Water Plant O & M - Lab Supplies Treatment	436	1,100	3,500	3,500	4,000	
311.11	Water Plant O & M - Chemicals Treatment	12,857	19,317	20,000	26,000	22,000	
311.16	Water Plant O & M - City Use Utilities	142,560	143,387	137,000	155,000	155,000	
311.161	Water Plant O & M - Norris PPD	7,820	10,604	15,000	15,000	15,000	
311.162	Water Plant O & M - Telephone	3,098	2,886	3,060	3,060	3,120	Cell Phone \$1,260; Windstream \$1,200; US Cellular \$300; Spectrum \$360
311.163	Water Plant O & M - Data Transmission	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
311.17	Water Plant O & M - Garbage	416	416	417	417	515	
311.30	Water Plant O & M - Bldgs./Grounds Upkeep	10,236	10,586	10,000	3,000	11,000	
311.01	Water Production - Salaries	209,650	225,425	267,237	267,237	277,975	
311.02	Water Production - Social Security	15,213	16,572	20,912	20,912	21,762	
311.03	Water Production - Overtime	4,434	9,196	6,120	12,000	6,487	
311.04	Water Production - Group Insurance	70,504	82,386	96,698	90,000	92,597	
311.05	Water Production - Retirement	11,880	12,432	15,169	15,169	15,781	
311.059	Water Product - Wellness Incentive	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
311.21	Water O & M - Repairs & Upkeep	59,199	120,496	50,000	52,000	50,000	Meter Repair & Purchase
311.219	Water O & M - Repairs & Upkeep Consumer Service Lines	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Combined with 311.21
311.31	Water Production - Water Quality Tests	4,803	3,863	7,000	6,500	7,500	
311.36	Water Production - Service Maintenance Agreements	30,968	754	8,700	8,700	8,700	Metering Software Service \$8,100; Annual Drive-By Service \$600
311.42	Water Production - Dues, Memberships, Training, Mileage	783	2,909	3,875	3,000	4,500	
311.53	Water Production - Information Technology	187	187	200	200	200	LogMeIn/GoToPro \$200

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
312.10	Water Production - Supplies, Freight & Uniforms.	5,639	19,732	9,000	6,000	9,000	
312.12	Water Production - Gasoline & Oil	5,484	11,238	14,000	14,000	15,000	
312.20	Water Production - Vehicles & Equipment Repairs	2,228	4,441	5,000	5,000	8,000	
313.08	Water Production - Engineering/Consulting	74,104	51,459	59,381	59,381	60,125	City Engineer \$40,125; General Engineering \$20,000
313.01	Water Adm O & M - Salaries	152,710	157,533	178,927	178,927	191,263	
313.02	Water Adm O & M - Social Security	11,144	11,565	13,688	13,688	14,632	
313.03	Water Adm O & M- Overtime	3	- 0 -	- 0 -	- 0 -	- 0 -	
313.04	Water Adm O & M - Group Insurance	27,549	38,277	41,507	35,000	41,942	
313.05	Water Adm O & M - Retirement	8,389	8,877	10,736	10,736	11,476	
313.059	Water Adm O & M Wellness Incentive	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
313.06	Water Adm O & M - Insurance	39,117	43,763	57,255	57,015	68,418	
313.07	Water Adm O & M - Audit & Accounting	3,207	3,207	3,447	3,118	3,167	AMGL \$2,604; EMMA Reporting \$563
313.11	Water Adm O & M - Office Supplies, Postage & Freight	7,602	8,900	13,859	13,859	13,125	City Hall Supplies \$2,359; Inventory Tags \$125
313.36	Water Adm O & M - Service/Maint Agrmts	232	206	316	375	325	City Hall/ Muni Bldg Copier \$60; Pitney Bowes Meter Rent \$135; Pitney Bowes Annual Maint \$85; Paper Tiger Shredding \$90
313.40	Water Adm O & M - Operational Costs	8,250	9,000	9,000	9,000	9,000	
313.42	Water Adm O & M - Dues, Memberships, Training, Mileage	7,843	11,588	10,730	10,730	12,420	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
313.53	Water Adm O & M - Info Technology	10,948	10,755	12,926	13,500	14,386	gWorks/SimpleCity \$1,737; gWorks/GIS \$1,420; BIZCO \$6,064; Email Migration/Server \$920; Agenda Mgmt \$738; City Hall Info Tech \$567; Accounting Software Upgrade \$2,940
313.58	Water Adm O & M - Debt Service - P & I	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
313.59	Water Adm O & M - Community Text System	106	120	121	148	141	
313.60	Water Adm O & M - Miscellaneous	5,510	3,190	6,200	5,000	6,750	Airport ROW Agreement \$1,500; BNSF Easement \$1,200
313.75	Water Adm O & M - Succession Planning	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
313.84	Water Adm O & M - Geographic Info	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
313.85	Water Adm O & M - Franchise Tax	109,079	115,670	100,500	115,455	109,175	5% Total Sales Less Donations & Grants: Offset 501.067
313.861	Water Adm O & M - For Costs Beyond Utility Control	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
313.87	Water Adm O & M - Technology/Software Licensing	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	Coded to 313.53
313.90	Water Prod Non Operating	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
313.991	Water Adm O & M - Depreciation Exp.	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
313.992	Water Adm O & M - Amortization Exp.	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>1,137,794</b>	<b>1,269,057</b>	<b>1,333,481</b>	<b>1,374,627</b>	<b>1,429,482</b>	
	<b>Total Water Operating Expense</b>	<b>1,137,794</b>	<b>1,269,057</b>	<b>1,333,481</b>	<b>1,374,627</b>	<b>1,429,482</b>	
313.86	Water - Capital Sinking Fund	20,000	20,000	20,000	20,000	20,000	
313.50	Water Capital - Donations/Grants	- 0 -	- 0 -	25,000	- 0 -	25,000	Offset 301.50
313.82	Water Adm Capital Fixed Assets	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
<b>Total</b>		<b>20,000</b>	<b>20,000</b>	<b>45,000</b>	<b>20,000</b>	<b>45,000</b>	
<b>Total Water Administrative Expense</b>		<b>20,000</b>	<b>20,000</b>	<b>45,000</b>	<b>20,000</b>	<b>45,000</b>	
313.936	Water - Debt - Principal	330,200	290,000	295,000	295,000	325,000	
313.939	Water- Debt - Bond Interest	46,324	39,284	35,473	35,473	32,379	
313.92	Water Distribution - Bond Reserve Expense - Berens and Tate	- 0 -	- 0 -	3,000	3,000	3,000	
<b>Total</b>		<b>376,524</b>	<b>329,284</b>	<b>333,473</b>	<b>333,473</b>	<b>360,379</b>	
<b>Total Water Debt Expense</b>		<b>376,524</b>	<b>329,284</b>	<b>333,473</b>	<b>333,473</b>	<b>360,379</b>	
<b>Total Water Expenses, not Including C.I.P.</b>		<b>1,534,317</b>	<b>1,618,340</b>	<b>1,711,954</b>	<b>1,728,100</b>	<b>1,834,861</b>	
311.09	Water Capital - Work-In-Process - C.I.P. AMR Meters.	113,566	24,798	27,000	10,000	27,000	Inventory Purchases \$10,000;
311.80	Water Fixed Assets Summary	5,654	45,165	157,700	50,000	150,000	New AMI System \$105,000; GIS Update \$45,000;
313.841	Water ADM/OM Sinking Fund Exp	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
311.99	Water Capital - Construction	448,052	724,603	3,786,000	2,154,000	5,297,423	
<b>Total</b>		<b>567,271</b>	<b>794,566</b>	<b>3,970,700</b>	<b>2,214,000</b>	<b>5,474,423</b>	
<b>Total C.I.P. Water Expenses</b>		<b>567,271</b>	<b>794,566</b>	<b>3,970,700</b>	<b>2,214,000</b>	<b>5,474,423</b>	
<b>Total Water Expenses + C.I.P.</b>		<b>2,101,588</b>	<b>2,412,906</b>	<b>5,682,654</b>	<b>3,942,100</b>	<b>7,309,284</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
<b>Total Water</b>		741,974	568,603	(3,327,654)	(1,623,000)	(1,780,784)	



Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
672.10	Wellness - O & M Supplies	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
672.11	Wellness - Office Supplies, Postage & Freight	- 0 -	- 0 -	- 0 -	3	- 0 -	
672.12	Wellness - Gasoline & Oil	- 0 -	- 0 -	- 0 -	50	- 0 -	
672.16	Wellness - City Use Utilities	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
672.162	Wellness - Telephone	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
672.163	Wellness - Natural Gas	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
672.17	Wellness - Garbage	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
672.20	Wellness - Repairs	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
672.30	Wellness - Grds Upkeep	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
672.36	Wellness - Maintenance Agreements	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
672.42	Wellness - Dues, Memberships, Training, Mileage	- 0 -	- 0 -	- 0 -	45	- 0 -	
672.53	Wellness - Information Technology	- 0 -	- 0 -	- 0 -	1,671	- 0 -	Software/Licensing
672.60	Wellness - Miscellaneous Summary	- 0 -	- 0 -	- 0 -	500	- 0 -	Bank Fees
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>24,281</b>	<b>36,934</b>	<b>102,860</b>	
	<b>Total Wellness Center Operating Expense</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>24,281</b>	<b>36,934</b>	<b>102,860</b>	
672.80	Fixed Assets	- 0 -	- 0 -	- 0 -	- 0 -	- 0 -	
<b>Total</b>		<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
	<b>Total C.I.P. Wellness Center Expenses</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>- 0 -</b>	
	<b>Grand Total Wellness Center Expenses</b>	<b>- 0 -</b>	<b>- 0 -</b>	<b>24,281</b>	<b>36,934</b>	<b>102,860</b>	

Account Number	Account Name	Fiscal Year 2020/2021 Actual	Fiscal Year 2021/2022 Actual	Fiscal Year 2022/2023 Budget	2022/2023 Estimated Ending Balance	Fiscal Year 2023/2024 Budget	Comments
	Total Wellness Center	- 0 -	- 0 -	(24,281)	(36,934)	(102,860)	



<b>Administration Department</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
								Gen Rev/502.80
	<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

<b>Building Inspt./Plng. &amp; Zoning Departments</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
<b>Vehicle Replacement Item Description</b>								
<b>Equipment Purchases Item Description</b>								
Updated Plotter	Planned						\$10,000	Gen Rev/629.80/Split with 622.80 & 582.80
	<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,000</b>	

<b>Building &amp; Grounds City Hall</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
	<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

<b>Capital Improvements Fund</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Wellness Center	Planned							Gen Rev/722.80
								Gen Rev/722.80
								Gen Rev/722.80
<b>Vehicle Replacement Item Description</b>								
								Gen Rev/722.80
								Gen Rev/722.80
<b>Equipment Purchases Item Description</b>								
								Gen Rev/722.80
								Gen Rev/722.80
								Gen Rev/722.80
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Cemetery Department</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Asphalt Road at North Cemetery	On-Going	\$22,000	\$22,000	\$22,000	\$22,000	\$22,000	\$22,000	Gen Rev/565.80
Columbarium	Planned				\$70,000			Gen Rev/565.80
<b>Vehicle Replacement Item Description</b>								
Replace Pickup	Completed	\$49,050						Gen Rev/565.80
<b>Equipment Purchases Item Description</b>								
Utility Vehicle	Planned		\$30,000					Gen Rev/565.80
	<b>Totals</b>	<b>\$71,050</b>	<b>\$52,000</b>	<b>\$22,000</b>	<b>\$92,000</b>	<b>\$22,000</b>	<b>\$22,000</b>	



<b>Engineering</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Vehicle Replacement Item Description								
<b>Equipment Purchases Item Description</b>								
Updated Plotter	Planned						\$5,000	Gen Rev/629.80/Split with 622.80 & 582.80
	<b>Totals</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,000</b>	



<b>Electric Department</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
EL2301 - East Seward St. 3 phase line Upgrades and Prairie View	In-Process	\$300,000	\$200,000	\$200,000				Rev/211.09
Work In Progress (Inventory)	Planned		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	Rev/211.09
EL2302 - Shop Expansion	In-Progress							Rev/211.99
EL2303 - Petsource Expansion	Completed							Rev/211.99
EL2304 - Tenneco Electrical Upgrade	Completed							Rev/211.99
12.47kv Conversions and/or Capacity Additions	Moved		\$100,000	\$1,500,000				Rev/211.99
Replace line from Ash St. Sub to NPPD Sub part of Hwy 15 proj.	Planned				\$700,000			Rev/211.99
East Hillcrest Relocate Line	Planned			\$300,000				Rev/211.99
Walker Substation 10MVA Upgrade	Planned		\$2,000,000					Rev/211.99
New East Substation 10MVA	Planned				\$2,500,000			Rev/211.99
EL2201 - Replace Recloser & Controls - 14th/Walker Sub	Completed							Rev/211.80
EL2202 - GIS Full Update	In-Progress							Split/211.80/311.80/411.80/ 522.80
EL2305 - Ash Street Scada System	Moved		\$25,000					Rev/211.80
Security Gate - Electric	Completed	\$12,337						Rev/211.80
Security Gate - Horseshoe	Completed	\$2,707						Split/211.80/311.80/411.80/ 522.80/562.80
EL2203 - New AMI System	In-Progress							Rev/211.80
Walker Sub Scada System	Planned			\$25,000				Rev/211.80
<b>Vehicle Replacement Item Description</b>								
Locator pickup #102	Completed	\$60,000						Rev/211.80
Dump Truck	Planned					\$90,000		Rev/211.80
Replace Pickup #104	Planned		\$85,000					Rev/211.80
Replace Pickup #130	Completed	\$55,000						Rev/211.80
Replace Bucket Truck #106	Planned				\$388,700			Rev/211.80
Replace Digger Truck #107	Planned					\$410,000		Rev/211.80
Replace Bucket Truck #105	Planned					\$420,000		Rev/211.80
Chipper Truck	Planned				90,000			Rev/211.80
<b>Equipment Purchases Item Description</b>								
Vibrator Plow Acquisition	Completed	\$71,276						Rev/211.80
New Gas Pump	Completed	\$956						Split/311.80/411.80/211.80 /522.80/562.80/512.80
Trencher	Planned			\$182,500				Rev/211.80
Grounds Mower Replacement	Moved			\$16,000				Rev/211.80
Vac Trailer	Planned		\$134,000					Rev/211.80
Self-Loading Reel Trailer	Planned		\$17,200					Rev/211.80
	<b>Total</b>	<b>\$502,276</b>	<b>\$2,661,200</b>	<b>\$2,323,500</b>	<b>\$3,778,700</b>	<b>\$1,020,000</b>	<b>\$100,000</b>	

<b>Fire Department</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Concrete Around Building	Removed							Gen Rev/602.80
Design/Planning North Property	In-Progress	\$10,000	\$15,000					Gen Rev/602.80
North Building	Moved			\$275,000				Gen Rev/Donations/602.80
Fire Hall Construction/Bays					\$250,000			Gen Rev/Donations/602.80
Rock Parking Lot	Removed							Gen Rev/602.80
<b>Vehicle Replacement Item Description</b>								
Ladder Unit #31	Planned				\$1,500,000			Sinking Fund/Grant/603.00
Rescue Squad #99	Planned		\$325,000					Sinking Fund/Grant \$75,000/603.00/Gen Rev/602.80 \$250,000
Replace Engine #33	Planned			\$550,000				Sinking Fund/Grant/603.00
Replace Tanker Unit #41	Planned					\$250,000		Sinking Fund/Grant/603.00
Replace Tanker Unit #42 (Lease-Purchase)	Moved		\$35,000	\$35,000	\$35,000	\$35,000	\$35,000	Gen Rev/Mutual Aide \$100,000 Sinking Fund/603.00/602.80
Upgrade Rescue Squad #95 - Stryker Cot Lift	Completed	\$26,968						Gen Rev/602.80
Upgrade Rescue Squad #99 - Stryker Cot Lift	Planned		\$26,968					Gen Rev/602.80
<b>Equipment Purchases Item Description</b>								
LED Dimmable Lights - Meeting Room	Completed	\$2,879						Gen Rev/602.80
LED Bay Lighting	Completed	\$18,425						Gen Rev/602.80
	<b>Total</b>	<b>\$58,272</b>	<b>\$401,968</b>	<b>\$860,000</b>	<b>\$1,785,000</b>	<b>\$285,000</b>	<b>\$35,000</b>	

<b>Golf Course</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
GF2301 - Cart Path Extension - Phase 2	Completed	\$27,023						Gen Rev/569.80
Clubhouse Addition/Simulator	Moved					\$215,000		Gen Rev/569.80
Pond - Hole #4	Moved				\$90,000			Gen Rev/569.80
Pave Parking Lot	Planned			\$254,000				Gen Rev/569.80
Pond - Hole #5	Planned		\$90,000					Gen Rev/569.80
<b>Vehicle Replacement Item Description</b>								
<b>Equipment Purchases Item Description</b>								
Rough Mower (Tri-Max) & Tractor	Lease/Purchase	\$13,760	\$13,760					Gen Rev/569.80
Fairway Mower	Lease/Purchase	\$9,980	\$9,980	\$9,980				Gen Rev/569.80
Toro Greens Mower (Lease-Purchase)	Planned		\$13,000	\$13,000	\$13,000	\$13,000	\$13,000	Gen Rev/569.80
Ball Washers (15)	Completed	\$3,844						Gen Rev/569.80
	<b>Total</b>	<b>\$54,607</b>	<b>\$126,740</b>	<b>\$276,980</b>	<b>\$103,000</b>	<b>\$228,000</b>	<b>\$13,000</b>	

<b>Levee Accreditation</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Levee Accreditation/Pump House Reconstruction	Planned							Gen Rev/NEMA Grant/NRD Grant/538.80
<b>Vehicle Replacement Item Description</b>								
<b>Equipment Purchases Item Description</b>								
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Library Department</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Building Room Use Upgrades	Completed	\$72,917						Grant/Donation Rev/552.80
West Entrance Upgrade	Planned		\$11,060					Grant/Donation Rev/552.80
Lower Level Technology Upgrade	Planned		\$25,000					Grant/Donation Rev/552.80
	<b>Total</b>	<b>\$72,917</b>	<b>\$36,060</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

<b>Public Properties/Parks Department</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Replace Plum Creek Park Playground	Planned				\$120,000			Gen Rev/562.80
Bandshell Sunshade	Planned			\$220,000				Gen Rev/562.80
Replace Moffit Park Playground	Planned					\$100,000		Gen Rev/562.80
PP2301 - New Campground Behind 4-Plex	Completed	\$12,348						Gen Rev/562.80
PP2302 - Archery Range	Moved		\$4,000					Gen Rev/562.80
<b>Vehicle Replacement Item Description</b>								
Replace Dodge Dakota & Plow	Completed	\$58,071						Gen Rev/562.80
<b>Equipment Purchases Item Description</b>								
Groundsmaster Mower (Loan Payment)	Completed	\$11,470						Gen Rev/562.80
Replace John Deere 1445	Planned		\$26,000					Gen Rev/562.80
Replace John Deere 1445	Planned			\$26,000				Gen Rev/562.80
Security Gate - Horseshoe	Completed	\$2,707						Split/211.80/311.80/411.80/ 522.80/562.80
New Gas Pump	Completed	\$956						Split/311.80/411.80/211.80 /522.80/562.80/512.80
	<b>Total</b>	<b>\$85,552</b>	<b>\$30,000</b>	<b>\$246,000</b>	<b>\$120,000</b>	<b>\$100,000</b>	<b>\$0</b>	

<b>Recreation Department</b>		<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>		
Sports Complex Soccer/Training Facility Restrooms	Planned					\$50,000		Gen Rev/642.80	
Legion Field - 2 Sets of Bleachers	Planned			\$26,000				Gen Rev/642.80	
West Field - Bleachers	Planned		\$27,000					Gen Rev/642.80	
New Concession Stand (Legion Field)	Planned				\$20,000			Gen Rev/642.80	
Poles for Back Stop Baseball Field	Completed	\$53,500						Gen Rev/642.80	
Backstop Net (Legion Field)	Planned		\$12,000					Gen Rev/642.80	
Plum Creek Concession/Restroom Addition	Planned		\$197,000					Gen Rev/642.80	
Recrown West Field	Planned			\$20,000				Gen Rev/642.30	
Plum Creek Well Replacemenet	Unplanned	\$32,802							
<b>Vehicle Replacement Item Description</b>									
<b>Equipment Purchases Item Description</b>									
Plugger for Aerator	Completed	\$2,500							Gen Rev/642.80
<b>Total</b>		<b>\$88,802</b>	<b>\$236,000</b>	<b>\$46,000</b>	<b>\$20,000</b>	<b>\$50,000</b>	<b>\$0</b>		

<b>Recycling Department</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Retaining Wall	Removed							Gen Rev/662.80
<b>Equipment Purchases Item Description</b>								
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Police Department</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Privacy Fence	Removed							Gen Rev/ 512.80
Storage Shed	Planned		\$15,000					Gen Rev/ 512.80
Locker Room	Planned		\$15,000					Gen Rev/ 512.80
<b>Vehicle Replacement Item Description</b>								
Purchase Patrol Vehicle #3	Planned		\$55,000					Gen Rev/ 512.80
Purchase Patrol Vehicle #2	Comp/Plan	\$48,386					\$52,000	Gen Rev/ 512.80
Purchase Patrol Vehicle #5	Planned			\$55,000				Gen Rev/ 512.80
Purchase Patrol Vehicle #4	Planned				\$52,000			Gen Rev/ 512.80
Purchase Patrol Vehicle #1	Planned					\$52,000		Gen Rev/ 512.80
CSO Vehicle	Planned				\$20,000			Gen Rev/ 512.80
<b>Equipment Purchases Item Description</b>								
Vehicle Radio Upgrades	Completed	\$4,763						Gen Rev/512.80
Replace 2 Police Bikes	Planned		\$1,500					Gen Rev/512.80
Digital Phone System	Planned		\$10,000					Gen Rev/512.80
Replace Tasers	Planned			\$62,000				Gen Rev/512.80
Radar Unit Upgrades	Planned			\$5,000				Gen Rev/512.80
Replace 3 Patrol Car Light Bars	Planned		\$5,000	\$5,000	\$5,000			Gen Rev/512.80
Replace 15 Hand Guns (\$560 ea)	Completed	?????						Gen Rev/512.80
MDT Computers (2 per year)	Ongoing	\$6,860	\$10,000	\$10,000				Gen Rev/512.80
Video Camera Upgrades (Vehicle)	Planned		\$7,000	\$7,000	\$7,000	\$7,000	\$7,000	Gen Rev/512.80
Replace Shotguns	Planned				\$5,000			Gen Rev/512.80
Radio Repeaters (\$7,000 x 6)	Removed							Gen Rev/512.80
New Gas Pump	Completed	\$1,116						Split/311.80/411.80/211.80 /522.80/562.80/512.80
	<b>Total</b>	<b>\$61,125</b>	<b>\$118,500</b>	<b>\$144,000</b>	<b>\$89,000</b>	<b>\$59,000</b>	<b>\$59,000</b>	



<b>Senior Center/Shuttle</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Commons Area Flooring	Moved		\$30,000					Grant/ Gen Rev/656.80
<b>Vehicle Replacement Item Description</b>								
<b>Equipment Purchases Item Description</b>								
	<b>Totals</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

Street Department	Budget	Past Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Funding Source
Capital Projects & Maintenance	Status	2022 to 2023	2023 to 2024	2024 to 2025	2025 to 2026	2026 to 2027	2027 to 2028	2028 to 2029	
ST2301 - ADA Sidewalk Repair/Replace	Planned	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	Gen Rev/522.52
ST2302 - Annual Street Repairs	Planned	\$70,000	\$70,000	\$70,000	\$70,000	\$80,000	\$80,000	\$80,000	Gen Rev/522.52
ST2201 - Pave East Seward St - City Limit to STH 34	In-progress	\$1,552,921	\$418,000						Gen Rev/522.52/Grant
ST2202 - Karol Kay Box Culvert near Plum Creek Park	In-progress	\$258,483	\$0						Gen Rev/522.52
ST2203 - Storm Sewer & Pave - Park Ave from 6th to 8th	In-progress	\$130,640	\$1,425,000						Gen Rev/522.52
ST2204 - Storm Sewer & Pave - Bradford from 6th to 10th	In-progress	\$91,692	\$1,006,000						Gen Rev/522.52
ST2205 - Pave. E. Hillcrest Dr 175 ft. E of Eastridge to Plum Creek	In-progress	\$22,556		\$1,282,000					Gen Rev/522.52
ST2206 - Pave Pinewood Ave - Meadow Ln to Hwy 15	In-progress	\$9,950							Gen Rev/522.52
ST2303 - Concrete Channel Elem School to Rainbow	Moved								Gen Rev/522.52
ST2304 - Rail Campus Sewer/Drainage	Planned	\$124,188							Gen Rev/522.52
ST2305 - Pave Alley Between 4th & 5th; Ash to South	Moved	\$8,758							Gen Rev/522.52
ST2306 - Plum Creek Stabilization	Moved								Gen Rev/522.52
ST2307 - Resurface & Storm Sewer - Lindell and Jackson Streets	Planned	\$10,150	\$109,850		\$500,000				Gen Rev/522.52
ST2308 - Izaak Walton & Hwy 15 (NEW)	In-progress	\$49,568	\$850,000						Gen Rev/522.52
ST2401 - Pave Hwy 15 (6th St) Ash St to City Limits	Planned		\$80,000						Gen Rev/522.52
ST2402 - Seward Street - 4th to 5th St	Planned			\$400,000					Gen Rev/522.52
ST2403 - Plum Creek Trail re-route	Planned		\$15,000						Gen Rev/522.52
ST2404 - Worthman Blvd Extension	Planned		\$120,000	\$2,000,000					Gen Rev/522.52
ST2405 - Bradford, 5th to 6th; Roberts, 5th to 6th	Planned			\$90,000					Gen Rev/522.52
ST2406 - Pinewood Detention Basin	Planned			\$200,000					Gen Rev/522.52
Overlay - Roberts St - Columbia to 5th	Moved			\$600,000					Gen Rev/522.52
Reconstruct & Storm Sewer - E Seward - 4th to 5th	Planned			\$200,000					Gen Rev/522.52
Storm Sewer & Pave - Bradford & Roberts - 5th to 6th	Planned			\$252,365					Gen Rev/522.52
Pave Hwy 15 - Ash to City Limit	Planned				\$300,000				Gen Rev/522.52
Storm Sewer between 12th & 13th	Planned				\$100,000				Gen Rev/522.52
Pave Columbia Ave - City Limit to Depot St	Planned				\$30,000				Gen Rev/522.52
Hiker/Biker Trail Grant Project	Planned				\$400,000				NDOR/Gen Rev/NRD 522.52
Pave E Seward - Columbia Ave to Lindell Ave	Planned				\$500,000				Gen Rev/522.52
Pinewood & Hwy 15 Drainage	Planned				\$400,000				Gen Rev/522.52
Storm Sewer - W Hillcrest from 8th to Ironwood & 8th from Hillcrest	Planned					\$509,000			Gen Rev/522.52
Overlay Ash Street - Columbia Ave to Hwy 15	Planned					\$400,000			Gen Rev/522.52
Pave South St - Oak to Big Blue Bridge	Planned					\$30,000			Gen Rev/522.52
Pave Park Ave. between 11th & 12th Streets	Moved						\$385,000		Gen Rev/522.52
Pave E Hillcrest Dr - Hwy 15 to Eastridge	Planned						\$1,500,000		Gen Rev/522.52
Plum Creek Park Detention Basin	Planned						\$300,000		Gen Rev/522.52
Bluff Rd - Plum Creek Bridge to 252nd St	Planned						\$2,925,000		Gen Rev/522.52
Overlay S 3rd St - Ash to Bradford	Planned						\$400,000		Gen Rev/522.52
Pave Prairie Flower Rd - E. Seward to Bluff	Planned							\$5,060,000	Gen Rev/522.52
Cedar Street Detention Basin	Planned							\$85,000	Gen Rev/522.52
Drainage Basin Improvements ( Northeast)	Planned							\$400,000	Gen Rev/522.52

Pave 252nd St - Hwy 34 to Bluff Rd	Planned							\$2,274,000	Gen Rev/522.52
Cemetery Detention	Planned							\$300,000	Gen Rev/522.52
Traffic Signal - Hwy 15 at Worthman - Rail Campus	Planned							\$400,000	Gen Rev/522.52
Hwy 15 - Bridge Widening & Turn Lanes (Rail Campus)	Planned							\$1,500,000	Gen Rev/522.52
Pave Worthman Blvd - Pine to CTH 294	Planned							\$900,000	Gen Rev/522.52
Pave Spruce St - Progressive Rd to Pine St	Planned							\$30,000	Gen Rev/522.52
Pave Pine St - Birch St to Spruce St	Planned							\$85,000	Gen Rev/522.52
Pave Pine St - Spruce St to Walnut	Planned							\$85,000	Gen Rev/522.52
Pave Pine St - Walnut St to Cottonwood St	Planned							\$85,000	Gen Rev/522.52
Pave Walnut St - Progressive Rd to Pine St	Planned							\$70,000	Gen Rev/522.52
Hwy 15 Bridge across Big Blue River	Planned							\$6,000,000	Grant/Bond/Gen Rev/522.52
Storm Sewer - Elm St from 2nd to 3rd	Planned							\$200,000	Gen Rev/522.52
Drainage Basin Improvements ( Southwest)	Planned							\$200,000	Gen Rev/522.52
Bluff Rd Bridge at Plum Creek Reconstruction	Removed								Gen Rev/522.52
ST2207 - GIS Full Update	In-Progress	\$30,000	\$45,000						Split/211.80/311.80/411.80/522.80
Building Upgrade or Replacement	Planned			\$500,000					Gen Rev/522.80
<b>Vehicle Replacement Item Description</b>									
Replace 1999 Dump Truck	Planned		\$200,000						Gen Rev/522.80
R.O.W. Mower	Planned		\$26,000						Gen Rev/522.80
<b>Equipment Purchases Item Description</b>									
New Gas Pump	Completed	\$956							Split/311.80/411.80/211.80/522.80/562.80/512.80
Case 621T Payloader Lease/Purchase (New)	Loan	\$24,245	\$24,245	\$24,245					Gen Rev/522.80
Skid Steer Upgrade (Trade-In)	Completed	\$36,900							Gen Rev/522.80
Mini Excavator	Completed	\$71,000							Gen Rev/522.80
Asphalt Hot Box	Completed	\$34,705							Gen Rev/522.80
Security Gate - Horseshoe	Completed	\$2,707							Split/211.80/311.80/411.80/522.80/562.80
Heat Tank (Hot Box)	Planned		\$14,000						Gen Rev/522.80
Concrete Breaker (Skid Steer)	Planned		\$8,000						Gen Rev/522.80
Head Set Communication System	Planned		\$5,000						Gen Rev/522.80
	<b>Total</b>	<b>\$2,539,417</b>	<b>\$4,426,095</b>	<b>\$5,628,610</b>	<b>\$2,310,000</b>	<b>\$1,029,000</b>	<b>\$5,600,000</b>	<b>\$17,764,000</b>	

<b>Water Department</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
Inventory Purchases	Planned							Rev/311.09
WA2201 - New Muni Well Development S4 & SW3	Completed	537,554.56						Rev/311.99
WA2202 - New Water Tower (engineering/construction)	In-Progress	1,036,263.79	3,055,923.00					Rev/Grant/311.99
WA2301 - 14" Main Replacement Hwy 15 near Big Blue River	Moved	0.00		80,000.00	700,000.00			Rev/311.99
WA2302 - E. Seward St/Hwy 34 Water Main Extension	Completed	308,698.22	0.00					Rev/311.99
WA2303 - Replace 6th St Main - Ash to Lincoln part of Hwy 15 Project	In-Progress	66,570.51	1,710,000.00	1,000,000.00				
WA2305 - 8th at Park Av Water Main Loop	In-Progress	83,718.75						Rev/311.99
WA2306 - 10th at Bradford Water Main Loop	In-Progress	91,898.85						Rev/311.99
WA2401 - Install 3rd RO Skid	Planned		275,500.00	1,200,000.00				Rev/311.99
WA2402 - E. Hillcrest Water Main Extension	Planned			180,000.00				Rev/311.99
WA2403 - Worthman Blvd Extension	Planned			150,000.00				Rev/311.99
WA2404 - SCADA Improvements	Planned		116,000.00					Rev/311.99
Fairlane Ave. (Hillcrest to Bek) Main Replacement	Moved							Rev/311.99
2nd and Pearl Main Replacment Project	Moved							Rev/311.99
3rd Street (Moffitt to Cedar, east to 2nd) Main Replacement	Moved							Rev/311.99
Tie in E Seward DE to Ridge Run DE	Moved							Rev/311.99
Hillcrest (Eastridge to E. Plumb Creek)	Planned							
Hillcrest (5th to Sunrise) Main Replacement	Moved							Rev/311.99
3rd Street (Main to Moffitt) Main Replacement	Moved							Rev/311.99
RO Membrane Replacement	Moved							Rev/311.99
5th Street (Moffitt to Hillcrest); Lincoln (5th to 6th) Main Rep.	Moved							Rev/311.99
Install 3rd RO Skid (Estimate from study done in 2011)	Moved							Bond/311.99
Prairie View Development Water Main Upgrade	Complete							Rev/311.99
Elm Street (7th to 14th) Main Replacement	Planned							Rev/311.99
WA2304 - New AMI System	In-Progress		\$105,000	105,000				
WA2203 - GIS Full Update	In-Progress	\$30,000	\$45,000					Split/211.80/311.80/411.80/ 522.80
<b>Vehicle Replacement Item Description</b>								
Replace Utility Truck #1	Completed							Split/311.80/411.80
Replace Utility Truck #4	Planned			\$22,000				Split/311.80/411.80
<b>Equipment Purchases Item Description</b>								
New Gas Pump	Completed							Split/311.80/411.80/211.80/ /522.80/562.80/512.80
Security Gate - Horseshoe	Completed							Split/211.80/311.80/411.80/ 522.80/562.80
	<b>Total</b>	<b>\$2,154,705</b>	<b>\$5,307,423</b>	<b>\$2,737,000</b>	<b>\$700,000</b>	<b>\$0</b>	<b>\$0</b>	

<b>Waste Water Department</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
SW2201 - Waste Water Treatment Plant (Incl. Engineering)	In-Progress	\$725,000	\$19,000,000	19,000,000				Bonded/411.99
SW2301 - E. Seward St/Hwy 34 Sanitary Sewer Extension	Completed	\$415,000						Rev/411.99
Sanitary Sewer Extension to Prairie Flower	Planned				\$490,000	\$490,000		
South 2nd Street Sewer Upgrades	Planned		\$333,000					
Izaak Walton Sewer Upgrades	Planned			333,000				
South Highway 15 Sewer Upgrades	Planned				333,000			
Infiltration Study	Planned		\$100,000	\$100,000	\$100,000	\$100,000		
Sewer Lining	Planned		\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	
SW2302 - New AMI System	In-Progress		\$105,000	105,000				Split/311.80/411.80
SW2202 - GIS Full Update	In-Progress		\$45,000					Split/211.80/311.80/411.80/ 522.80
<b>Vehicle Replacement Item Description</b>								
Replace Utility Truck #1	Completed							Split/311.80/411.80
Replace Utility Truck #4	Planned			\$22,000				Split/311.80/411.80
<b>Equipment Purchases Item Description</b>								
New Gas Pump	Completed							Split/311.80/411.80/211.80/ /522.80/562.80/512.80
Security Gate - Horseshoe	Completed							Split/211.80/311.80/411.80/ 522.80/562.80
End Loader	Planned				\$300,000			Rev/411.80
Dump Truck	Planned				\$200,000			Rev/411.80
	<b>Total</b>	<b>\$1,140,000</b>	<b>\$19,613,000</b>	<b>\$19,590,000</b>	<b>\$1,453,000</b>	<b>\$620,000</b>	<b>\$30,000</b>	

<b>Wellness Center</b>	<b>Budget</b>	<b>Past Year</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>	<b>Funding Source</b>
<b>Capital Projects &amp; Maintenance</b>	<b>Status</b>	<b>2022 to 2023</b>	<b>2023 to 2024</b>	<b>2024 to 2025</b>	<b>2025 to 2026</b>	<b>2026 to 2027</b>	<b>2027 to 2028</b>	
								Gen Rev/672.80
								Gen Rev/672.80
								Gen Rev/672.80
<b>Vehicle Replacement Item Description</b>								
								Gen Rev/672.80
								Gen Rev/672.80
<b>Equipment Purchases Item Description</b>								
								Gen Rev/672.80
								Gen Rev/672.80
								Gen Rev/672.80
	<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

A. Consideration of Quotes from Altec for Capital Assets within the Electric Department to be Included in Future Budget Years

May 4, 2023  
Our 94th Year

**Ship To:**  
CITY OF SEWARD (NE)  
1345 RIVER ST  
SEWARD, NE 68434  
US

**Bill To:**  
CITY OF SEWARD (NE)  
PO BOX 38  
SEWARD, NE 68434  
United States

Attn:  
Phone:  
Email:

**Altec Quotation Number:** 1153848 - 2  
**Account Manager:** Blair M Nutzman  
**Technical Sales Rep:** Sean C. O'Brien

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	<u>Unit</u>		
1.	Altec Model TA60 Articulating Telescopic Aerial Device with a fiberglass upper boom and fiberglass insulator in the articulating arm and a proportional joystick upper control and toggle switches. Built in accordance to ALTEC's standard specifications and to include the following features:	1	
	A. Ground to Bottom of Platform Height: 59.8 ft at 14.3 ft from centerline of rotation (18.2 m at 4.4 m)		
	B. Working Height: 64.8 ft (19.8 m)		
	C. Maximum reach to edge of platform: 40.1 ft at 26.6 ft platform height (12.2 m at 8.1 m)		
	D. Continuous Rotation		
	E. Articulating Arm Articulation: 0 to 93 degrees. Insulator provides a minimum of 12 in (304.8 mm) of isolation.		
	F. Articulating arm is a tubular steel structure. The articulating arm is designed so that the articulating arm and lower boom are compensating. By raising the articulating arm only, the lower and upper boom maintains the same relative angle with the ground. By raising the articulating arm in conjunction with the lower boom, the operator is able to position himself more quickly and easily into the work area.		
	G. Upper Boom Articulation: -25 to 75 degrees. Insulator provides minimum of 36.0 in (914.4 mm) of isolation. The telescopic upper boom is filament wound, square fiberglass that is extended and retracted by a double acting hydraulic cylinder installed within the booms. The boom extends and retracts over slide bearings located in the end of the lower boom.		
	H. Upper Controls: The upper controls system includes a proportional joystick upper control and toggle switches.		
	I. Two sets of quick disconnect couplings at the platform. The open center hydraulic system on this unit requires the use of open center tools.		
	J. The Altec ISO-Grip System (U.S. Patent No. 7,416,053) includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system. Control Handle is a single handle controller incorporating high electrical resistance components that is dielectrically tested to 40 kV AC with no more than 400 microampers of leakage.		

Item	Description	Qty	Price
	<p>The control handle is green in color to differentiate it from other non-tested controllers. The handle also includes an interlock guard that reduces the potential for inadvertent boom operation. The handle is tiller style and points away from elbow. Auxiliary control covers are non-tested blue silicon covers. The control console in non-tested non-metallic control console plate. The boom tip covers are non-tested non metallic and are not dielectrically tested, but they may provide some protection against electrical hazards.</p> <p><b>K.</b> Lifting eye: on lower boom with 1000 lb. capacity.</p> <p><b>L.</b> Lower Controls: A lower control station includes and is located on the curbside of the turntable. A selector valve is provided to override the upper controls.</p> <p><b>M.</b> The platform is leveled by hydraulic leveling means, contained within the upper boom and designed to maintain the dielectric integrity of the aerial device. Controls for leveling and tilting the platform are located at the platform. Leveling for the platform includes two double acting cylinders incorporating counterbalance load holding valves to lock the platform in the event of hydraulic line failure. Cylinders are located at the platform and at the end of the lower boom. The master-slave action of the cylinders maintains a level platform throughout the full range of boom articulation.</p> <p><b>N.</b> Outrigger/boom interlock system prevents boom from being unstowed until outriggers have been at least partially deployed.</p> <p><b>O.</b> Outrigger/unit selector control is located near the outrigger controls, allows operator to divert hydraulic oil from machine circuit for outrigger operation. This reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped.</p> <p><b>P.</b> Outrigger motion alarm provides audible alarm when any of the outriggers controls are operated.</p> <p><b>Q.</b> Diagnostic Pressure Test Quick Disconnect Couplings: are located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system and tool circuit pressure. This convenient troubleshooting feature saves time and reduces the risk of high pressure oil sprays.</p> <p><b>R.</b> Unit meets or exceeds ANSI 92.2 standards.</p>		
2.	Automatic Upper Boom Stow Securing System with support cradle.	1	
3.	Pedestal, Rear Mount, High Cab Height - includes 43 inch (1092 mm) pedestal height, 91.5 inch (2324 mm) mast height - recommended for T55 and TA60, installed in tall cab height chassis	1	
4.	217 Single Two-Man Platform with hydraulically extendible jib - Platform on curb side, square jib on street side, platform rotates 90 degrees to end of boom. Platform has a capacity of 600lbs without liner. Material handling system comes with 105 ft of 0.50 inch polyester double braid rope and a metal thimble in the working end. Minimum breaking strength of the rope is 10,500 lbs.	1	
5.	259 Polyethylene platform liner for two man platform, 50 kV rating (minimum)	1	
6.	Engine Start/Stop & Secondary Stowage System: 12 VDC powered motor and pump assembly for temporary operation of the unit in a situation wherein the primary hydraulic source fails. Electric motor is powered by the chassis battery. This feature allows the operator to completely stow the booms, platform, and outriggers. Secondary Stowage & Start/Stop is activated with an air plunger at the platform or momentary switch at the lower control station and outriggers.	1	
7.	Throttle Control - Manually increase/decrease chassis engine speed to preset values. Control is captive air operated from the platform and momentary switch operated from	1	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	the lower controls and outrigger controls.		
8.	Electric Over Hydraulic Outrigger Controls	1	
9.	241S - Outrigger, A-Frame with Swivel-Shoe - 135.6 inch maximum spread pin to pin	1	
10.	Primary 18" X 18" Oversized Shoe	1	
11.	240 Modified flat-shoe, A-frame, Fixed Shoe, Outrigger installed at rear of body, with 101 inches (2565 mm) of spread at maximum penetration.  Installed outside of body.	1	
12.	Powder coat unit Altec White.	1	
<b><u>Unit &amp; Hydraulic Acc.</u></b>			
13.	Scuff Pad 24 x 48 With Step For Use With Platform Liner (U&H Acc)	1	
14.	Platform Cover, 24 x 48, Soft Vinyl	1	
15.	Single Conductor Holder Self-Aligning 2.5 (For Use With 3 DIA Extensions And Adapters) Altec Preferred	1	
16.	Crossarm Assembly (10 Ft Solid Epoxirod) With Three 2-1/2 In Wire Holders And No Bracing	1	
17.	Swivel Hook For Winch Load Line, Material Handling, 1-Ton With Latch, Aerials	1	
18.	TA50/55/60 Series Subbase	1	
19.	Subbase Blocks	1	
20.	Insert Center Section Storage Stop at Custom Depth  Stop at 102"	1	
21.	Subbase Storage With Drop Down Door (Paddle Latch) At Rear Notched for Tool Storage, 6 Inch High	1	
22.	Hydraulic Oil Heater, Engine Coolant Style	1	
23.	25 Gallon Reservoir, Sloped, Sight/Temperature Gauge Installed, Engine Coolant Style Oil Heater, Mounted in Cargo Area  SS of pedestal	1	
24.	Standard Pump for PTO	1	
25.	Muncie PTO	1	
26.	Hot Shift PTO (for Automatic Transmission)	1	
27.	Standard Altec PTO/Transmission Functionality with Park Brake Auto Neutral for Allison Automatic Transmissions: -Once the PTO switch is on, the Parking Brake is engaged, and the transmission is in a	1	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	near stationary condition (i.e., below 5 mph) the transmission will be forced to neutral, and PTO will engage.		
28.	Standard Parking Brake Machine Interlock: Parking (holding) brake must be set before machine is operable.	1	
29.	Altec recommends any connection made to the tool circuit be done with Non-Conductive hose. If ordering a Hose reel, Altec recommends ordering a hose reel with Non-Conductive hose. The lower tool circuit hoses may be, or become, conductive. Death or serious injury could occur if the unit becomes energized while lower tool circuit is in use.	1	
30.	Install Tool Circuit With Quick Disconnects Below Rotation (Male Pressure Female Return), No Hose Reel  Located in SS light channel at rear	1	
<b><u>Body</u></b>			
31.	Altec Body	1	
32.	Steel Body	1	
33.	Body Is To Be Built In Accordance With The Following Altec Standard Specifications:	1	
	<ul style="list-style-type: none"> <li>A. Basic Body Fabricated From A40 Grade 100% Zinc Alloy Coated Steel.</li> <li>B. All Doors Are Full, Double Paneled, Self-Sealed With Built-In Drainage For Maximum Weather-Tightness. Stainless Steel Hinge Rods Extend Full Length Of Door.</li> <li>C. Heavy-Gauge Welded Steel Frame Construction.</li> <li>D. Integrated Door Header Drip Rail At Top For Maximum Weather Protection.</li> <li>E. Fender Panels Are Either Roll Formed Or Have Neoprene Fenderettes Mechanically Fastened.</li> <li>F. Steel Treated For Improved Primer Bond And Rust Resistance.</li> <li>G. Automotive Type Non-Porous Door Seals Fastened To The Door Facing.</li> <li>H. B-Line Channel Installed In Compartments</li> </ul>		
34.	Smooth Galvanneal Steel Floor	1	
35.	Aerial Service Line (ASL)	1	
36.	Finish Paint Body Altec White	1	
37.	Undercoat Body	1	
38.	170" Estimated Body Length (Engineering To Determine Final Length)	1	
39.	94" Body Width	1	
40.	46" Body Compartment Height	1	
41.	18" Body Compartment Depth	1	
42.	2" x 6" Drop-In Composite Retaining Board At Rear Of Body	1	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
43.	Curbside Smooth Compartment Tops	1	
44.	Streetside Smooth Compartment Tops	1	
45.	Adhesive Strip Lighting (LED) Around Top And Sides Of Compartment Door Facings	10	
46.	Stainless Steel Rotary Paddle Latches With Keyed Locks	10	
47.	All Locks Keyed Alike Including Accessories (Preferred Option)	1	
48.	Standard Master Body Locking System	10	
49.	Gas Prop Rigid Door Holders On All Vertical Doors	1	
50.	Chains On All Horizontal Doors	1	
51.	One Chock Holder On Each Side of Body With Retaining Lip In Fender Panel	1	
52.	Hotstick Shelf Extending From Rear Of Third Vertical To Rear Of Body On Streetside	1	
53.	Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel Slam Paddle Latch With Keyed Lock	1	
54.	1st Vertical (SS) - Adjustable Shelf With Removable Dividers On 4" Centers	4	
55.	2nd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4" Centers	2	
56.	2nd vertical (SS) - 5 in high drawer kit on slides, as wide as possible, latched  Drawer kit to have two drawers. Top three drawers to be 3" high and bottom two drawers to be 5" high. Each drawer to 15"D x as wide as possible. Each drawer to have egg-crate design.	2	
57.	2nd Vertical (SS) - Custom Drawer Kit  3"H drawer kit, provide three drawers. Top three drawers to be 3" high and bottom two drawers to be 5" high. Each drawer to 15"D x as wide as possible. Each drawer to have egg-crate design.	3	
58.	3rd Vertical (SS) - Fixed Shelf With Removable Dividers On 4" Centers  Located on top of each drawer kit. Top shelf located approx 10" from top of compartment	2	
59.	3rd vertical (SS) - 3 in high drawer kit on slides, as wide as possible, latched  Drawer kit to have three drawers. Top three drawers to be 3" high and bottom two drawers to be 5" high. Each drawer to 15"D x as wide as possible. Each drawer to have egg-crate design.	3	
60.	3rd vertical (SS) - 5 in high drawer kit on slides, as wide as possible, latched  Drawer kit to have two drawers. Top three drawers to be 3" high and bottom two drawers to be 5" high. Each drawer to 15"D x as wide as possible. Each drawer to have egg-crate design.	2	
61.	1st Horizontal (SS) - Fixed Shelf With Removable Dividers On 4 Inch Centers On	1	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	Bottom of Compartment		
62.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall Two (2) rows of 2-3-2	4	
63.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall Two (2) rows of 2-3-2	6	
64.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall Two (2) rows of 2-3-2	4	
65.	Rear Vertical (SS) - Custom Hook Option 2 sets of 4 hooks on the door. One set located at the top of the door and one set located half way down	1	
66.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2	
67.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3	
68.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2	
69.	2nd Vertical (CS) - Adjustable Shelf With Removable Dividers On 4" Centers	5	
70.	2nd Vertical (CS) - Second and Third Verticals Combined, Opened With Two (2) Overlapping Doors	1	
71.	3rd Vertical (CS) - Adjustable Shelf With Removable Dividers On 4" Centers	5	
72.	1st Horizontal (CS) - Adjustable Shelf With Removable Dividers On 4" Centers	1	
73.	1st Horizontal (CS) - Fixed Shelf With Removable Dividers On 4 Inch Centers On Bottom of Compartment	1	
74.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2	
75.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3	
76.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2	
77.	Rear Vertical (CS) - Custom Hook Option Two set of 4 hooks. One set located at top of door, 2nd set located half way down	1	
78.	36" L Steel Tailshelf, Width To Match Body 36" beyond rear of outrigger	1	
79.	Custom Material Retainer On Tailshelf 2x6 removable composite board around entire tailshelf.	1	
80.	Steel U-Shaped Grab Handle Installed on Tailshelf Left side of walkway	1	

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UTILITY EQUIPMENT AND BODIES SINCE 1929

<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
81.	Steel Recessed Gripstrut Side Access Steps On Curbside Of Tailshelf	1	
82.	Smooth Galvanneal Steel Tailshelf	1	
83.	Small Steel Grab Handle Installed At Rear  Off rear face of CS rear vertical for use with access walkway.	1	
84.	Inverter Storage In Remote Steel Enclosure, Located Outside Of Body Compartments With Provisions For Remote GFCI Receptacle In Curbside 1st Vertical  Inverter installed in a box on the SS first vertical compartment top, provide GFCI in CS Horizontal.	1	
85.	Steel Top Opening Storage Box, One (1) Gripstrut Lid, Gas Props, Hasp Lock, Handle Parallel To Ground And Centered (2 Handles for Boxes Greater Than 108")  170"L x 18"D x 12"H, front lid to be 108"L, rear lid to be 62"L. Provide carpet lining and rope lights.	1	
86.	Additional Steel Top Opening Storage Box  40"L x 20"D x same height as compartments. Box to include three (3) 1" pipes to hang blankets on. Install on SS cargo wall in front corner. Provide hasp for pad lock.	1	
87.	Additional Steel Top Opening Storage Box  Punched metal box with lid, 12"H x 18"D x length of SS comp top aft of inverter box.	1	
<b><u>Body and Chassis Accessories</u></b>			
88.	Set of Safety Chain D-Rings	1	
89.	Swivel Style Pintle Hitch (30 000 LB MGTW with 6 000 LB MVL), 11-Bolt T-Mount, Altec Preferred (T-125 Style), D-Rings, No Dock Bumper, 4x2/6x4	1	
90.	ICC Underride Protection	1	
91.	Platform Access Steps And Ladders Option 1  Platform access ladder with chainsaw storage incorporated underneath steps. To fit 36" chainsaw	1	
92.	Mounting Brackets for Lights, Located on Lower Boom Rest	1	
93.	Lower Boom Rest	1	
94.	Platform Rest, Rigid with Rubber Tube	1	
95.	Plastic Outrigger Pad 24 x 24 x 2 with Handle	4	
96.	Outrigger Pad Holder, 25 L x 25 W x 3 H Fits 24.5 x 24.5 x 2 and Smaller Pads Bolt-On Bottom, Washout Holes with 3/4 Inch Lip Retainer, Steel	4	
97.	Wheel Chocks Rubber with Metal Hairpin Handle 9.75 L x 7.75 W x 5 H (Pair) (Altec	1	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	Preferred)		
98.	Mud Flaps with Altec Logo (Pair)	1	
99.	Fold Over, Post Style Cone Holder (Holds up to four 15 x15 large cones), Outrigger Mount, Street Side	1	
100.	Wire Storage Rack, 30 L x 28 W x 20 H with 5 Sections (Bicycle Rack) CS front corner of cargo area.	1	
101.	Wire Reel Storage Bracket Option 1 T copper reel on the CS rear tailshelf	1	
102.	10 LB Fire Extinguisher with Heavy Duty Bracket Shipped Loose (Amerex #B456)	1	
103.	Triangular Reflector Kit (Contains 3 Reflectors) Shipped Loose	1	
104.	Slope Indicator Assembly (Pair) for Machine with Outrigger	1	
105.	Vinyl Manual Pouch for Storage of All Operator and Parts Manuals	1	
106.	Send Out for Spring Build Up	1	
107.	Additional Body/Chassis Accessory Provide 5 Hooks evenly spaced off cargo side off boomstow center tube. Hooks to be "U" shape, to have 4" throat, rubber coated and a pin retainer approx. 5" up from bottom of the throat.	1	
108.	Additional Body/Chassis Accessory Two (2) "T" style transformer holders. Installed at rear. -Reference job# 37-75543574	2	
<b><u>Electrical Accessories</u></b>			
109.	Compartment Lights Wired To Dash Mounted Master Switch	1	
110.	Lights And Reflectors In Accordance With FMVSS 108 (Complete LED)	1	
111.	Strobe Light Option Two (2) strobes with brush guards, installed one each side of boomstow light tubes, outboard of Go-lights. Amber/Blue strobes. Blue on SS, Amber on CS.  Amber Beacon - Ecco EB7930A (990265241) Blue Beacon - Ecco EB7930B (990265242)	2	
112.	Corner Strobe Systems Option Amber/Blue 4 corner strobes. Amber on SS, Blue on CS.  Amber Grille - Superior Signal SYFLAT6-A (990258165)	1	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	Blue Grille - Superior Signal SYFLAT6-B (990258166) Amber Grommet - Whelen 2FA00ZCR (970031306) Blue Grommet - Whelen 2FB00ZCR (970410843)		
113.	Strobe Lights Wired Battery Hot	1	
114.	Directional Light Bar, Amber, LED, 42 Inches Long (Federal Signal #320782 & #330104-SB)  Installed on rear of tail shelf, include tread plate eyebrow over bar. Controls inside of cab.	1	
115.	Flood Light, LED, With Rubber Housing, 4.75 DIA (Truck-Lite #81260)  Install one (1) under CS boomstow facing rear. Install one (1) off each top mounted box at rear.	3	
116.	Perimeter/Underbody Lights, LED, Black (Pair) (Whelen #PELCB)  Near each outrigger.	2	
117.	Remote Spot/Flood Lights (LED) Option  Stryker 30004ST. One each side of boom stow, in board of strobes.	2	
118.	Dual Tone Backup Alarm With Outrigger Motion Alarm	1	
119.	Altec Standard Multi-Point Grounding System	6	
120.	Grounding Reel, Automatic Retracting, Aeromotive #GR900 - Holds #1/0 GA Cable (Max 40 Ft)  SS rear of tailshelf.	1	
121.	Grounding Cable, #1/0 GA, Yellow Jacketed (Specify Length In Feet)	40	
122.	Grounding Lug, Stainless Steel, Straight  CS rear of tailshelf and CS CS front outrigger.	2	
123.	Grounding Clamp, Aluminum C-Clamp Style With Smooth Jaws (Includes Ferrule And Heat Shrink Tubing), #1/0 GA Cable	1	
124.	Altec Backup Camera System, 7 Inch Color LCD Monitor, Heated Infrared Camera With Day/Night Sensor And Audio  To have continuous feed, not just in reverse.  A. 7 Inch Color LCD Monitor With LED Backlighting And Proximity Indicators B. 2 Inputs With Independent Triggers C. Heated Infrared Camera With Day/Night Sensor And Audio D. Mirror/Normal View E. IP68 Rated F. Wide Viewing Angle (104 Degrees Horizontal x 78 Degrees Vertical) G. 20 Meter Cable Assembly	1	
125.	Install backup camera monitor on the front windshield in lieu of the rearview mirror.	1	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
126.	PTO Hour Meter, Digital, With 10 000 Hour Display	1	
127.	Trailer Brake Controller, Electric (Tekonsha Voyager #9030)	1	
128.	Altec Modular Panel System (AMPS) - Includes Mounting Panel And Accessory Switches  Add switch to the AMPs panel for city radio. Include wire in the cab for installation.	1	
129.	Inverter, 2400 Watt, Pure Sine Wave, 120/240 VAC (Sensata #12/2400DN)  In enclosure box.	1	
130.	Inverter Wired Ignition Hot To Switch Mounted In Chassis Cab	1	
131.	Electrical Receptacle, 120 Volt, GFCI, Includes Weather-Resistant Enclosure  Install one (1) in CS light channel near outrigger, one (1) in SS 1st vertical, top left of back wall.	2	
132.	120 Volt Non-GFCI Receptacle Includes Weather-Resistant Enclosure Requires at least 1 GFCI Receptacle  In cab near cup holders.	1	
133.	Electrical Cord Reel, Retractable, Includes 50 Ft Of 12-3 Cord, Ball Stop, And Receptacle  SS rear corner of tailshelf.	1	
134.	GFCI Receptacle Hardwired To Protect Additional Non-GFCI Receptacles	1	
135.	Electrical Receptacle, 12 Volt (Cigarette Lighter Style), Weatherproof  Located near 120v	2	
136.	Pre-Wire Power Distribution Module (PDM-10), 10 Accessory Circuits, CAN Signals, Installed	1	
137.	Install Outrigger Interlock System In Final Assembly	1	
138.	Additional Electrical Accessory  Install three (3) lighted rocker switches labeled as "spare". Each switch to be 20 amp and tied into the PDM box	1	
139.	Additional Electrical Accessory  Install Speaker Wire in conduit with 2' pig-tail at each end. One end in cab and one at CS of boomstow light tube. Include speaker	1	

**Finishing Details**

140.	Front and Rear Frame Mounted and Under Body Mounted Components (With the Exception of Rust Resistant Components) Will Be Painted Black DEPS 005 DEPS 095	1	
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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
	(Includes Non OEM Front Bumpers and Cabguards)		
141.	Powder Coat Unit Altec White	1	
142.	Finish Paint Body Accessories Above Body Floor Altec White	1	
143.	Apply Non-Skid Coating (Black) to All Walking Surfaces DEPS 057	1	
144.	Safety and Instructional Decals English	1	
145.	Vehicle Height Placard Installed In Cab DEPS 002	1	
146.	Placard, Engine Block Heater	1	
147.	DOT Certification Required	1	
148.	Dielectric Test Unit According to ANSI Requirements	1	
149.	Stability Test Unit According to ANSI Requirements	1	
150.	Focus Factory Build	1	
151.	Delivery Of Completed Unit	1	
152.	Inbound Freight	1	
153.	As Built Electrical and Hydraulic Schematics to be Included In the Manual Pouch (Deps 024)	1	
154.	Completed Test Forms To Be Included In The Manual Pouch: -Stability Test Form -Dielectric Test Form (For Insulated Units)	1	
	<b><u>Chassis</u></b>		
155.	Altec Supplied Chassis	1	
156.	Chassis	1	
157.	2024 Model Year	1	
158.	Freightliner M2-106	1	
159.	Dual Rear Wheel	1	
160.	Set Back Axle	1	
161.	4x2	1	
162.	Chassis Cab	1	
163.	Regular Cab	1	
164.	Chassis Without Front Frame Extensions	1	
165.	Air Horn Under Cab	1	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
166.	AM/FM Radio	1	
167.	Bluetooth	1	
168.	Weather Band	1	
169.	Block Heater	1	
170.	Driver Controlled Locking Differential	1	
171.	Air Conditioning	1	
172.	Cruise Control	1	
173.	Power Door Locks	1	
174.	Power Windows	1	
175.	Tilt Steering Wheel	1	
176.	Other Interior Cab Options	1	
	Center Console; lower portion of the windshield to be heated		
177.	131" Clear CA (Round To Next Whole Number)	1	
178.	GVWR 33,000 LBS	1	
179.	13,300 LBS Front GAWR	1	
180.	21,000 LBS Rear GAWR	1	
181.	Spring Suspension	1	
182.	Cummins L9	1	
183.	Diesel	1	
184.	300 HP Engine Rating	1	
185.	Allison 3000 RDS Automatic Transmission (Left and Right Side PTO Openings Only)	1	
186.	204-215 Freightliner 50 Gallon Fuel Tank (Left Hand Under Cab)	1	
187.	23U-001, 43X-002 Freightliner 6 Gallon DEF Tank (Under Cab Left Hand)	1	
188.	016-1C2 - Freightliner Vertical Exhaust (Right-Horizontal-Under Cab-Vertical)	1	
189.	No Clean Idle Certification Required	1	
190.	EPA Emissions	1	
191.	No Idle Engine Shut-Down Required	1	
192.	12R22.5 Front Tire	1	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>	<u>Price</u>
193.	11R22.5 Rear Tire	1	
194.	Air Brakes	1	
195.	Park Brake In Rear Wheels	1	
196.	Battery Under Cab Left Hand	1	
197.	Freightliner - Clear Area Around Allison PTO Openings (362-824) and (363-011)	1	
198.	Freightliner - Clear Frame Rails From Back Of Cab To Front Rear Suspension Bracket (607-001)	1	
199.	Freightliner - Electric Brake Controller Wiring With Combined Stop/Turn Signal Heavy Duty Tail Light Wiring At EOF (296-027)	1	
200.	Freightliner - Radiator (1100 Square Inch) for ISL/L9 or DD8.2 (DS) (266-013)	1	
201.	Freightliner - Rear Cab Crossmember Flush With Back Of Cab (561-010)	1	
202.	Freightliner DEF Pump Mounting (23Y-001)	1	
203.	Freightliner PTO Throttle Wiring for Automatic Transmission with Pre-Wire (163-001), (148-074), (87L-003)	1	
204.	Freightliner Transmission Dipstick Tube Enters Curbside of Transmission (346-013)	1	
205.	Freightliner/Allison Body Builder Connection with Pre-Wire (34C-002)	1	
206.	Freightliner 1 Inch Spacer Installed On LH/Rear Suspension (621-122)	1	
207.	Freightliner - Pre-Wire Chassis with Cab Backwall Pass-Thru (33U-001)	1	
208.	Air Ride Drivers Seat	1	
209.	Air Ride Passenger Seat	1	
<b>Chassis Total:</b>			<b>101,444.00</b>

**Additional Pricing**

210.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1	
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<b>Unit / Body Total</b>	<b>258,292.68</b>
<b>Chassis Total</b>	<b>101,444.00</b>
<b>Total</b>	<b>359,736.68</b>

**Altec Industries, Inc.**

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BY \_\_\_\_\_

Sean C. O'Brien

**Notes:**

1 Altec will make every effort to honor this quotation, subject to the following provisions. Prices for equipment with production start dates 12 months and beyond are budgetary only due to irregular cost inflation and market volatility. These prices will be reviewed based on market conditions and confirmed closer to the production date.

For a quoted chassis model year beyond the current open order bank, chassis model year, specifications and price should be considered estimates only and subject to change. Chassis model year, specifications and price will be reviewed and confirmed when specific model year information becomes available from the OEM.

2 Altec takes pride in offering solutions that provide a safer work environment for our customers. In an effort to focus on safety, we would encourage you to consider the following items:

- Outrigger pads (When Applicable)
- Fall Protection System
- Fire extinguisher/DOT kit
- Platform Liner (When Applicable)
- Altec Sentry Training
- Wheel Chocks

The aforementioned equipment can be offered in our new equipment quotations. If you find that any of these items have not been listed as priced options with an item number in the body of your quotation and are required by your company, we would encourage you to contact your Altec Account Manager and have an updated quote version sent to you. These options must be listed with an item number in the quotation for them to be supplied by Altec.

3 The final fully loaded weight of the truck and structural ratings of the hitch assembly may reduce the towing capacity and the vertical load capacity of the finished truck. These capacities may not match the ratings of the chassis or hitch.

4 Altec Extended Warranty Option:

An Altec Extended Warranty is an extension of Altec's Limited Warranty and protects you from the repair cost associated with defects of materials and workmanship after the standard Limited Warranty expires.

Altec offers many types of coverages and coverage packages. Ask your Altec account manager for details. Quotes are available upon request.

5 Unless otherwise noted, all measurements used in this quote are based on a 40 inch (1016mm) chassis frame height and standard cab height for standard configurations.

6 Altec Standard Warranty:

One (1) year parts warranty.

One (1) year labor warranty.

Ninety (90) days warranty for travel charges.

Warranty on structural integrity of the following major components is to be warranted for so long as the initial purchaser owns the product: Booms, boom articulation links, hydraulic cylinder structures, outrigger weldments, pedestals, subbases and turntables.

Altec is to supply a self-directed, computer based training (CBT) program. This program will provide basic instruction in the safe operation of this aerial device. This program will also include and explain ANSI and OSHA requirements related to the proper use and operation of this unit.

Altec offers its standard limited warranty with the Altec supplied components which make up the Altec Unit and its installation, but expressly disclaims any and all warranties, liabilities, and responsibilities, including any implied warranties of fitness for a particular purpose and merchantability, for any customer supplied parts

Altec designs and manufactures to applicable Federal Motor Vehicle Safety and DOT standards

7 Price does not reflect any local, state or Federal Excise Taxes (F.E.T). The quote also does not reflect any local title or licensing fees. All appropriate taxes will be added to the final price in accordance with regulations in effect at time of invoicing.

8 F.O.B. - Customer Site

9 Altec values your data privacy. The Altec Family of Companies (including Altec, Inc., and it's subsidiaries) may collect telematics data from the equipment you own. Please review Altec's Equipment Data Privacy Notice on [www.altec.com](http://www.altec.com) for more information. By purchasing equipment from Altec, you consent to Altec's right to collect and use such data.

10 Interest charge of 1/2% per month to be added for late payment.

11 Changes made to this order may affect whether or not this vehicle is subject to F.E.T. A review will be made at the time of invoicing and any applicable F.E.T. will be added to the invoice amount.

12 Trade-in offer is conditional upon equipment being maintained to DOT (Department of Transportation) operating and safety standards and remaining in compliance of DOT until arrival at an Altec Facility. This will include, but is not limited to engine, tires, lights, brakes, glass, etc. All equipment, i.e., jibs, winches, pintle hooks, trailer connectors, etc., are to remain with unit unless otherwise agreed upon in writing by both parties. ALTEC Industries reserves the right to re-negotiate its trade-in offer if these conditions are not met.

All reasonable and necessary expenses required of ALTEC Industries to execute transportation of the trade-in will be invoiced to the customer for payment if these conditions are not met to maintain DOT standards.

Customer may exercise the option to rescind this agreement in writing within sixty (60) days after receipt of purchase order. After that time ALTEC Industries will expect receipt of trade-in vehicle upon delivery of new equipment as part of the terms of the purchase order unless other arrangements have been made.

13 Any payment made by a credit card may be subject to a surcharge fee.

14 Estimated Delivery: 39 months after receipt of order PROVIDING:  
A. Customer supplied chassis is received a minimum of sixty (60) days before scheduled delivery.  
B. Customer approval drawings are returned by requested date.  
C. Customer supplied accessories are received by date necessary for compliance with scheduled delivery.  
D. Customer expectations are accurately captured prior to major components being ordered (body, chassis) and line set date. Unexpected additions or changes made after this time or at a customer inspection will delay the delivery of the vehicle.

Estimated Delivery is based on information at time of quote and is subject to change.

Altec reserves the right to change suppliers in order to meet customer delivery requirements, unless specifically identified, by the customer, during the quote and or ordering process.

- 15 After the initial warranty period, Altec Industries, Inc. offers mobile service units, in-shop service and same day parts shipments on most parts from service locations nationwide at an additional competitive labor and parts rate. Call 877-GO-ALTEC for all of your Parts and Service needs.
- 16 This quotation is valid until MAR 17,2023. After this date, please contact Altec Industries, Inc. for a possible extension.
- 17 FINANCING AVAILABLE: Please contact Altec Capital at (888) 408-8148 or email [finance@altec.com](mailto:finance@altec.com) for more information.
- 18 Please direct all questions to Blair M Nutzman at (816) 364-2244

May 24, 2023  
Our 94th Year

**Ship To:**  
CITY OF SEWARD (NE)  
1345 RIVER ST  
SEWARD, NE 68434  
US

**Bill To:**  
CITY OF SEWARD (NE)  
PO BOX 38  
SEWARD, NE 68434  
United States

Attn:  
Phone:  
Email:

**Altec Quotation Number:** 1417446 - 1  
**Account Manager:** Blair M Nutzman  
**Technical Sales Rep:** Sean C. O'Brien

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	ALTEC Model DM45E Hydraulic Derrick, built in accordance with Altec standard specifications and to include the following features: <ul style="list-style-type: none"> <li>A. Maximum Sheave Height: 44.4 ft</li> <li>B. Maximum Horizontal Reach: 35.0 ft</li> <li>C. Maximum Digging Radius: 24.8 ft</li> <li>D. Maximum Capacity (ANSI Rating Classification): 13,394 lb</li> <li>E. Articulation: 80 degrees above horizontal to 20 degrees below horizontal</li> <li>F. Winch: 15,000 pound bare drum capacity turntable winch with 8.625 inch diameter drum to comply with ANSI 10.31 Section 4.10.4 for synthetic rope or 15,000 pound bare drum capacity boom tip winch. High torque hydraulic motor drives a self-locking worm gear winch. Counterbalance valves on motor provide reliable load holding</li> <li>G. Insulated: 46 kV and below</li> <li>H. Hydraulic Overload Protection System: activates when unit is exposed to overload condition. System prevents actuation of all functions that could add to the overload condition including: -Boom Lower -Intermediate Boom Extend -Third Stage Boom Extend -Winch Raise -Auger Dig System automatically resets when overload condition is relieved.</li> <li>I. Load Indicator Gauge: located at the main control panel, displays the percentage of total allowable lifting capacity being utilized. By use of this gauge, the operator is aware of the hydraulic and structural design rating of the derrick and proximity to the limits during operation.</li> <li>J. Hydraulic Side Load Protection: relieves overload conditions by allowing rotation system to back drive.</li> <li>K. Continuous Rotation with high capacity worm gear drive gearbox</li> <li>L. Electronic CAN Controls: Intuitive electronic controls with superior metering. Includes a diagnostic port which by connecting a handheld service tool, provides troubleshooting code readouts and the ability to calibrate function speeds and control sensitivity. Electric controls eliminate the risk of high pressure hose leaks near the operator and leak points are minimized throughout the machine.</li> <li>M. Indicator Light Panel at Control Station(s): indicators for hot oil, change hydraulic oil filter, Rotafloat active (if equipped), and check system light with diagnostic</li> </ul>	1

Item	Description	Qty
	capabilities	
N.	Proportional Hydraulic Control System: Closed Center Hydraulic control valve for boom, winch, digger, and pole guide functions are operated and controlled by electro-proportional pressure reducing valves which provides full metering and feathering characteristics.	
O.	Manual override of electronically controlled boom, winch, and digger functions at the main control valve	
P.	Standard/Low Speed Selector: Operator can select standard or low function speed operation. When in standard mode, each function operates at normal speeds. When in low speed, the maximum operational speed of each function is slower providing finer feathering capability. The function is separate from engine throttle control.	
Q.	Remote Control Retrofittable: Control system includes single quick connect plug for quick and easy installation of radio remote control system in the field upon request (if not already equipped).	
R.	Hydraulic System: Closed Center hydraulic system with maximum flow of 50 gpm for simultaneous operation of multiple functions. Flow is provided by a variable displacement, pressure compensated, piston pump. This 'flow on demand' system optimizes the overall system efficiency. System is designed with compensators in each valve section for smooth transitions between functions.	
S.	Maximum system pressure is 3000 psi. Because flow is provided by a single source (piston pump), maximum flow is available to any combination of functions including simultaneous operation of the boom and digger/winch functions and flow combining is not necessary.	
T.	System pressure gauges mounted on main control stations.	
U.	Transferable Hydraulic Pole Guides and Steel Boom Flares at the boom tip with adjustable alignment guides. Pole guides are hydraulically powered and proportional for open, close, and tilt which provides superior performance.	
V.	Pole Guide Tilt Interlock: Prevents the upper boom from extending when the transferrable guides are attached to the intermediate boom until the proximity sensors detect that the guides are tilted all the way up and out of the way.	
W.	Fiberglass Boom Tip with provisions for platform attachment.	
X.	Two-part load line attachment point on intermediate boom.	
Y.	Full capacity fiberglass upper boom is round and is fabricated using a Centrifugally Cast process that provides a smooth surface finish inside and out that is easy to clean and is highly resistant to damage.	
Z.	Boom Stow Protection System: A proximity switch on main boom detects the boom support as the boom is being stowed and limits the boom down function to avoid excessive down force into the stow.	
AA.	Auger Stow Protection: Limits the upward travel of the auger as it reaches the top of the auger stow latch to prevent an over-stow condition.	
AB.	Outrigger/Boom Interlock System: Prevents boom from being unstowed until outriggers have been at least partially deployed.	
AC.	Back-up Alarm, installed	
AD.	Two (2) Operator and Maintenance/Parts Manuals containing instructional markings indicating hazards inherent in the operation of an aerial device.	
AE.	Unit is painted with an eight-step powder coat process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion, and corrosion. Eight step process includes: shot blast, alkaline cleaner, pretreatment conversion coating, drying, primer paint application, primer oven cure, topcoat application, and topcoat oven cure. The conversion coating also provides protection from corrosion spreading if topcoat is damaged by reducing creep corrosion.	
AF.	Unit meets or exceeds ANSI 10.31-2019. Unit serial number placard clearly states	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	compliance. <b>AG.</b> Unit is designed and manufactured in facilities that are certified to meet ISO 9001 requirements.	
2.	Electric-Hydraulic Control System: Closed Center hydraulic system with maximum flow of 50 gpm for simultaneous operation of multiple functions	1
	<b>A.</b> Flow is provided by a variable displacement, pressure compensated, piston pump.	
	<b>B.</b> This 'flow on demand' system optimizes the overall system efficiency.	
	<b>C.</b> System is designed with compensators in each valve section for smooth transitions between functions.	
	<b>D.</b> Maximum system pressure is 3000 psi.	
	<b>E.</b> Because flow is provided by a single source (piston pump), maximum flow is available to any combination of functions including simultaneous operation of the boom and digger/winch functions and flow combining is not necessary.	
3.	Rear Mount Pedestal	1
4.	Three position throttle integrated into keypad at operator control station.	1
5.	No hard wired upper controls and NO TOOL CIRCUIT at boom tip	1
6.	Radio Remote Lower Controls (Traditional/Hetronic) with Visual HOP Indicators on Turntable. Note: Radio Remote Controls can be a stand alone system or can be used in conjunction with other control systems. Remote Control can also be used as an upper control station with a docking station at the operator platform.	1
7.	Radio Remote Control Layout: CLOCKWISE, push lever to Right rotates boom Clockwise	1
8.	Neck Strap for Radio Remote Controls	1
9.	8 - Turntable Winch	1
10.	11 - Normal winch speed (15,000 lbs)	1
11.	94 - Digger, Two-Speed Mechanical Shift, 12,000 ft-lbs, includes all of the components necessary to operate digger, installed	1
12.	2.63 in Hex Output Shaft With 2.63 in Hex Extension Shaft	1
13.	88 - Digger - right-hand storage, viewing from boom tip - streetside for rear and corner mount, curbside for behind cab mount - normal. Includes Auger Overstow Protection System	1
14.	175 - ANSI use criteria, Digger Derrick use only (no Personnel Handling)	1
15.	Standard Pole Guides for 18.00 in Dia Pole Maximum	1
16.	No hard wired control station, only available with Radio Remote Lower Controls and includes emergency lowering handles at the main control valve	1
17.	No Derrick Tong Protectors	1
18.	Hydraulic Side Load Protection	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
19.	134 - Altec RotaFloat™ System. Activating this switch while digging frees the booms to rotate, thus eliminating one of the many functions needed to install screw anchors. Includes alarm and visual indicator	1
20.	Electric Over Hydraulic Outrigger Controls	1
21.	450 - Outriggers, A-frame, folding shoe, 153 maximum spread, for use as auxiliary outriggers on all units or primary outriggers on select units	1
22.	41 - Outriggers, A-frame, fixed shoe, 149 maximum spread, for use as auxiliary outriggers only, includes: <ul style="list-style-type: none"> <li>A. Maximum Spread: 149 inches to outer edge or shoes</li> <li>B. Penetration at maximum extension: 6.75 inches (for standard installation on a 40 inch frame height)</li> <li>C. Standard Shoe Dimensions: 12 x 12 inches</li> <li>D. Hydraulic Outrigger Control Valves</li> <li>E. Outrigger/Unit Selector Control: Reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped.</li> <li>F. Outrigger Interlocks: Will not allow the unit to be operated until the outriggers have been at least partially deployed.</li> </ul>	1
23.	Auxiliary 18" X 18" Oversized Outrigger Shoe	1
24.	Powder coat unit Altec White.	1
25.	Additional Unit Option  Hollow Kelly Bar -Altec P/N 990360171	1
26.	Additional Unit Option  One (1) LED flood light, with rubber housing, 4.75" DIA, rubber housing -Install off CS of boom -Truck-lite #81260 -Provide on/off switch on radio remote	1

**Unit & Hydraulic Acc.**

27.	Carbide Teeth Auger 20 Inch DIA With 2-5/8 In ch Hex X 104 Inch L (Painted Black)	1
28.	Winch Rope For Turntable Winch 115 Ft Long x 1 Inch Dia	1
29.	Load Line Swivel Hook 8-1/2 In Ton (Crosby)	1
30.	DL/DM DC Series Derrick Subbase (Rigid)	1
31.	Subbase Blocks	1
32.	Insert Center Section Storage Stop at Custom Depth  114"	1
33.	Insert Subbase Side Tube Storage Stop for Both Tubes at Custom Depth	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	114"	
34.	Subbase Storage With Drop Down Door (Paddle Latch) At Rear Notched for Tool Storage, 6 Inch High	1
35.	Hydraulic Oil Heater, 12V, Fixed Temperature Range	1
36.	Temperature Sight Gauge (FA Supplied)	1
37.	60 Gallon Reservoir, Sight/Temperature Gauge w/ Tank Heater Provision, For SAE Fitting Reservoirs	1
	Install between cab and front outrigger	
38.	HVI-22 Hydraulic Oil (Standard)	75
39.	Standard Pump for PTO	1
40.	Muncie PTO	1
41.	Hot Shift PTO (for Automatic Transmission)	1
42.	Standard Altec PTO/Transmission Functionality with Park Brake Auto Neutral for Allison Automatic Transmissions: -Once the PTO switch is on, the Parking Brake is engaged, and the transmission is in a near stationary condition (i.e., below 5 mph) the transmission will be forced to neutral, and PTO will engage.	1
43.	Standard Parking Brake Machine Interlock: Parking (holding) brake must be set before machine is operable.	1
44.	Altec recommends any connection made to the tool circuit be done with Non-Conductive hose. If ordering a Hose reel, Altec recommends ordering a hose reel with Non-Conductive hose. The lower tool circuit hoses may be, or become, conductive. Death or serious injury could occur if the unit becomes energized while lower tool circuit is in use.	1
45.	Install Tool Circuit For Hose Reel Below Rotation (Male Pressure, Female Return)	1
46.	40 Ft Non-Conductive Hose Kit, Orange, Includes Quick Disconnects And Dust Caps (Male Pressure, Female Return) (Altec Preferred)	1
47.	Hydraulic Pole Tamper, 5 Ft Handle, without Valve (Fairmont #H4802-6) (Requires 4-6 GPM, 1000-2000 PSI)	1
48.	Hydraulic Pole Puller Custom Option 1  Tiiger 4001D Hydraulic Pole Puller and Brackets -Altec P/N 970074792 -Include pole puller pad (Altec P/N 970184541) -Puller to have same quick disconnects as tool circuit	1
49.	Hydraulic Pole Puller Custom Option 2	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	Install Tiiger pole puller bracket on CS front outrigger leg -Altec P/N 990045400 -Cut off base plate storage and install off CS front of body -Pole puller section to be stored flat on outrigger leg	
50.	Hydraulic Hose Reel, Spring Loaded, Hannay N616 Series, 50 Ft Hose Capacity (Standard) (Cannot Be Mounted Horizontally)	1
	Install centered on rear of tailshelf -Payout to rear	
51.	Two-Part Load Line Kit, With Snatch Block And Clevis	1
52.	Flow Divider, Optional for Variable Tool Control - for installation of tools at tailshelf	1
53.	Unit Installation Components.	1

**Body**

54.	Altec Body	1
55.	Steel Body	1
56.	Platform/Flatbed	1
57.	Finish Paint Flatbed Altec White	1
58.	Undercoat Body	1
59.	146" Estimated Flatbed Length (Engineering To Determine Final Length)	1
60.	3/16" Treadplate Floor	1
61.	96" Body Width	1
62.	6 Inch High Structural Flatbed Crossmembers	1
63.	Custom Cross Storage	1

Two (2) cross storage boxes within the frame of the flatbed with access doors on each side

-Approximately 12"W x 94"L  
-To be located between front of pedestal and access steps  
-Use stainless steel hinge pins and grease zerks  
-All compartments to run to the edge of the flatbed and flush with outside edge -1st cross storage to have pull out drawer to curbside with removable egg crate dividers on 4" centers

One (1) cross storage compartment at rear of flatbed as large as possible  
-Drop down doors at each end using stainless steel hinge pins and grease zerks

64.	Stake Pockets on Sides and Rear of Flatbed, Installed on 24" Centers Inside of Frame	1
65.	Custom Cargo Retaining Boards	1

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	2 inch x 4 inch composite board retainer rails around entire perimeter of flatbed	
66.	Recessed Gripstrut (Preferred) Curbside Access Steps, One (1) U-Shaped Grab Handle (Second Handle Mounted On Rear Of T-Box/Saddle Box), Vented Battery Storage Beneath	1
67.	Flatbed shipping channel	1
68.	Light Channels Installed At Rear Of Flatbed	1
69.	Notch Outside Rails for Tire Clearance	1
70.	Outrigger Cutout Required	1
71.	Unit Cutout Required	1
72.	Altec T-Box/Saddle Box	1
73.	Steel T-Box/Saddle Box	1
74.	T-Box/S-Box Is To Be Built In Accordance With The Following Altec Standard Specifications:	1
	<ul style="list-style-type: none"> <li>A. Basic Body Fabricated From A40 Grade 100% Zinc Alloy Coated Steel.</li> <li>B. All Doors Are Full, Double Paneled, Self-Sealed With Built-In Drainage For Maximum Weather-Tightness. Stainless Steel Hinge Rods Extend Full Length Of Door.</li> <li>C. Heavy-Gauge Welded Steel Frame Construction With Structural Channel Crossmembers.</li> <li>D. Integrated Door Header Drip Rail At Top For Maximum Weather Protection.</li> <li>E. Steel Treated For Improved Primer Bond And Rust Resistance.</li> <li>F. Automotive Type Non-Porous Door Seals Fastened To The Door Facing.</li> <li>G. B-Line Channel Installed In Compartments</li> </ul>	
75.	Treadplate steel floor	1
76.	Custom T-Box/Saddle Box Option T-30	1
77.	Finish Paint T-Box/Saddle Box Altec White	1
78.	Undercoat T-Box/Saddle Box	1
79.	Custom T-Box/Saddle Box Length 30"	1
80.	96" Body Width	1
81.	46" Body Compartment Height	1
82.	18" Body Compartment Depth	1
83.	Custom T-Box/Saddle Box Cargo Rail Option 8" high punched metal retaining rail around entire top of transverse	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	-Space up for cleanout	
84.	Custom Body Compartment Top Surface Treadplate On Entire Top Of Body (T-Box)	1
85.	Adhesive Strip Lighting (LED) Around Top And Sides Of Compartment Door Facings	2
86.	Stainless Steel Rotary Paddle Latches With Keyed Locks	2
87.	All Locks Keyed Alike Including Accessories (Preferred Option)	1
88.	No Master Body Locking System Required	1
89.	Gas Prop Rigid Door Holders On All Vertical Doors	1
90.	Custom Body Door Configuration Standard Doors	1
91.	1st Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2
92.	1st Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall Two (2) rows of four (4) hooks -Install four (4) hooks as high as possible and four (4) hooks halfway up rear wall	8
93.	1st Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2
94.	1st Vertical (SS) - Custom Miscellaneous Body Option Compartment to be 20" deep ILO of 18" deep	1
95.	1st Vertical (CS) - Custom Drawer Kit Install one (1) 3 Inch High Drawer Kit On Slides, Latched, Egg Crate-Style Dividers On 2 Inch Centers, Removable, Configurable -Install below 8 inch high transverse drawer kits -To be approximately 23"W x 15"D  Install two (2) 5 Inch High Drawer Kits on Slides, Latched, Egg Crate-Style Dividers On 2 Inch Centers, Removable, Configurable -Install below 3 inch high drawer kit -To be approximately 23"W x 15"D	1
96.	1st Vertical (CS) - Partial Transverse Compartment Extending To The Rear Wall Of the Streetside	1
97.	1st Vertical (CS) - Custom Transverse Compartment Option 8 Inch High Transverse Drawer Kit On Slides, As Wide As Possible (Slides To CS Only) -Dividers on 12 inch centers	2
98.	Aluminum Rock Guards Installed Each Front Corner Of Body	1
99.	D-Ring Recessed In Body Floor 360 Degree Rotation	5

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	Space evenly from front of pedestal to access walkway -One (1) row of three (3) -One (1) row of two (2)	
100.	Inverter Storage In Remote Steel Enclosure, Located Outside Of Body Compartments With Provisions For Remote GFCI Receptacle In Curbside 1st Vertical  Approximately 20"W x 12"H x 20"D with top opening lid -Lid to have hasp latch and gas struts -Install off top of transverse 12" from SS edge -Notch retainer rail to install box -Rotate box so it open from SS to CS	1
101.	Steel Underbody Storage Box, One (1) Drop-Down Door, No Door Holders, Keyed Latch  Install on SS aft T-box -Approximately 16"H x 18"D x 30"L -Bottom of underbody storage box to be even with bottom of T-box	1
102.	Additional Steel Underbody Storage Box  Steel Underbody Storage Box One (1) Drop-Down Door No Door Holders Keyed Latch -Install on CS behind rear axle -Approximately 16"W x 16"H x 18"D	1
103.	E-Track Ratchet Strap Tie-Down	2
104.	D-Ring, For Use With E-Track System	2
105.	Custom E-Track  Install two (2) rows of E-track on back of entire transverse -One (1) row to be as high as possible and one (1) row to be midway up from cargo floor	1
106.	PL Designator	1
<b><u>Body and Chassis Accessories</u></b>		
107.	Set of Safety Chain D-Rings	1
108.	Swivel Style Pintle Hitch (30 000 LB MGTW with 6 000 LB MVL), 11-Bolt T-Mount, Altec Preferred (T-125 Style), D-Rings, No Dock Bumper, 4x2/6x4  Install 28" +/-1" from ground to center of throat	1
109.	ICC (Underride Protection) Bumper, Installed at Rear	1
110.	Altec Hydraulic Hose Nu-Step, Single Step, Installed at Rear, Work From Only  CS rear	1
111.	Rubber Belted Step, 12 H 7 D 24 W, Steel, Mounted Beneath Side Access Steps (Installed to Extend Approx. 2 Outward)	1
112.	Pole Rack, Two Pole Capacity with Hand Ratchet Tie Binders, Removable at Rear	2

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	Install one (1) on both SS and CS -Pole racks to be adjustable at rear with middle hole 20" to top of the rack, a hole 6" above middle hole and a hole 6" below middle hole -Provide expanded metal or gripstrut on top of front and rear racks for rough contact surface -Ratchets to be easily accessible from ground -No inside retainers at front racks and fixed retainers at rear racks  NOTE: Customer does NOT want sliding retainers at rear racks.	
113.	Secondary Boom Saddle for Offset Stowing of Derrick Due to Pole Rack	1
114.	Mounting Brackets for Lights, Located on Lower Boom Rest	1
115.	Lower Boom Rest	1
116.	Plastic Outrigger Pad 24 x 24 x 2 with Handle	4
117.	Outrigger Pad Holder, 25 L x 25 W x 3 H Fits 24.5 x 24.5 x 2 and Smaller Pads Bolt-On Bottom, Washout Holes with 3/4 Inch Lip Retainer, Steel	4
	Stacked under 1st verticals	
118.	Pendulum Retainers For Outrigger Pad Holders	2
119.	Outrigger Accessories Option 1	1
	Outrigger Control Guards, Underhung Tailshelf Mount (Altec Preferred), Steel, Non-[Out and Down Outriggers], 2 Sets of Outriggers, Electric Over Hydraulic Controls	
120.	Wheel Chocks Rubber with Metal Hairpin Handle 9.75 L x 7.75 W x 5 H (Pair) (Altec Preferred)	1
121.	Wheel Chock Holders (Pair), For Installation Under Flatbed	1
	Install integrated with mud flap bracket on SS and directly behind access steps on CS	
122.	Mud Flaps with Altec Logo (Pair)	1
123.	Post Style Cone Holder (Holds up to four 15 x 15 large cones)	1
	Install on front SS outrigger	
124.	Wire Reel Storage Bracket Option 1	1
	Install 1/2" DIA pipe of inside upright of SS pole rack -Pipe to be 10"L -Provide pin keeper on end of pipe	
125.	Center Console	1
126.	10 LB Fire Extinguisher with Heavy Duty Bracket, Installed Per DEPS 042 (Amerex #B456)	1
	Install off SS front of body	
127.	Triangular Reflector Kit (Contains 3 Reflectors), Shipped Per DEPS 042	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
128.	Slope Indicator Assembly (Pair) for Machine with Outrigger	1
129.	Vinyl Manual Pouch for Storage of All Operator and Parts Manuals	1
130.	Chassis Air System Quick Coupler	2
	Install one (1) at tailshelf CS and one (1) at SS front outrigger	
131.	Additional Body/Chassis Accessory	1
	Radio remote storage box -Install in cab with battery charging station	
132.	Additional Body/Chassis Accessory	1
	Snatch block assembly and bracket mounted off CS front outrigger -Altec P/N 970023153	
133.	Additional Body/Chassis Accessory	1
	Auger dirt sling -Altec P/N 900066669	
134.	Additional Body/Chassis Accessory	1
	Hastings Model 05-825 Tool Board -Install on rear side of CS pole rack -Altec P/N 900005825	
<b><u>Electrical Accessories</u></b>		
135.	Compartment Lights Wired To Dash Mounted Master Switch	1
136.	Lights And Reflectors In Accordance With FMVSS 108 (Complete LED)	1
137.	Strobe Light Option	2
	Install one (1) strobe light on each side of boom stow -Blue Ecco EB7930B (990265242) on SS -Amber Ecco EB7930A (990265241) on CS -Lights to have brush guards	
138.	Corner Strobe Systems Option	1
	6-Position Strobes, LED, Two (2) Surface Mounted Lights In Grille, Two (2) Oval Lights On Body Sides, Two (2) Round Lights At Rear -Blue on SS and Amber on CS -Install oval lights on body above rear tires	
139.	Strobe Lights Wired Battery Hot	1
	All strobes wired to one (1) switch in AMPS panel	

<u>Item</u>	<u>Description</u>	<u>Qty</u>
140.	Directional Light Bar, Amber, LED, 42 Inches Long (Federal Signal #320782 & #330104-SB)  Install centered at tailshelf -Include protective eyebrow -Controls to be mounted in cab	1
141.	Flood Light, LED, Surface Mount, 2000 Lumens, Mounted On Body To Illuminate Outrigger Feet (DMK #VL4-2000)  Install four (4) underneath to illuminate each outrigger foot when deployed and install one (1) under rear of tailshelf to illuminate rear	5
142.	Flood Light, LED, With Rubber Housing, 4.75 DIA (Truck-Lite #81260)  Install one (1) as high as possible on SS of pedestal to illuminate tailshelf and one (1) underslung and centered on boomstow to illuminate cargo area -Wire to single switch in AMPS panel -Wire ignition hot	2
143.	Remote Spot Light, LED, Magnetic Mount, With Programmable Wireless Remote (Go-Light #79014)  Install on Go-light mounting bracket on chassis hood	1
144.	Go-Light Hood Mounting Bracket  CS of chassis hood	1
145.	Dual Tone Backup Alarm With Outrigger Motion Alarm	1
146.	Altec Standard Multi-Point Grounding System	5
147.	Grounding Reel, Automatic Retracting, Aeromotive #GR900 - Holds #1/0 GA Cable (Max 40 Ft)  Install centered on rear of tailshelf next to hydraulic hose reel -Payout to rear	1
148.	Grounding Cable, #1/0 GA, Yellow Jacketed (Specify Length In Feet)	30
149.	Grounding Clamp, Aluminum C-Clamp Style With Serrated Jaws (Includes Ferrule And Heat Shrink Tubing), #1/0 GA Cable	1
150.	Altec Backup Camera System, 7 Inch Color LCD Monitor, Heated Infrared Camera With Day/Night Sensor And Audio  A. 7 Inch Color LCD Monitor With LED Backlighting And Proximity Indicators B. 2 Inputs With Independent Triggers C. Heated Infrared Camera With Day/Night Sensor And Audio D. Mirror/Normal View E. IP68 Rated F. Wide Viewing Angle (104 Degrees Horizontal x 78 Degrees Vertical) G. 20 Meter Cable Assembly	1
151.	Install backup camera monitor directly on the dash.	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
152.	PTO Hour Meter, Digital, With 10 000 Hour Display	1
153.	7-Way Trailer Receptacle (Blade Type)	1
154.	Altec Standard Trailer Plug Wiring	1
155.	Trailer Brake Controller, Electric (Tekonsha Voyager #9030)	1
156.	Altec Modular Panel System (AMPS) - Includes Mounting Panel And Accessory Switches	1
157.	Inverter, 2400 Watt, Pure Sine Wave, 120 VAC (Sensata #12/2400N)  Install in remote inverter box	1
158.	Inverter Wired Ignition Hot To Switch Mounted In Chassis Cab	1
159.	Electrical Receptacle, 120 Volt, GFCI, Includes Weather-Resistant Enclosure  Install one (1) in cab and one (1) off CS front of body	2
160.	Electrical Cord Reel, Retractable, Includes 50 Ft Of 12-3 Cord, Ball Stop, And Receptacle  Install centered on rear of tailshelf near hydraulic hose reel and grounding reel -Payout to rear	1
161.	Electrical Receptacle, 12 Volt (Cigarette Lighter Style), Weatherproof  Install near Go-light mounting bracket on chassis hood	1
162.	Pre-Wire Power Distribution Module (PDM-10), 10 Accessory Circuits, CAN Signals, Installed  Install on back wall between seats	1
163.	Controls Installed At Tailshelf, Outrigger Controls, Includes E-Stop, E-Series	1
164.	Install Outrigger Interlock Override Key Switch In Chassis Cab At Final Assembly (Specify Location): Customer/Company requests that an outrigger interlock override switch be provided on the above referenced units. Customer/Company understands that this override will allow the booms to be operated without deploying the outriggers, that the use of outriggers is required to maintain stability during normal operation. Additionally, Customer/Company understands that the system will remain in override mode until the units power system or PTO is disengaged. The Customer's acceptance of this Quote to be submitted as an order acknowledges acceptance of the Outrigger Override Key Switch functionality as described.  Install near AMPS panel	1
165.	Install Outrigger Interlock System In Final Assembly	1
166.	Install Secondary Stowage and Remote Start/Stop System in Final Assembly  Remote start/stop installed on both sides at rear	1

<u>Item</u>	<u>Description</u>	<u>Qty</u>
167.	Install Altec Telematics Control Unit (TCU) (Verizon), Includes In Cab Antenna	1
168.	Additional Electrical Accessory  Install three (3) additional switches in AMPS panel -Label additional switches as "spare" -Each switch to be 20 amp and tied into PDM	1
169.	Additional Electrical Accessory  Install external speaker for CB radio on boom stow -Wire to run from speaker to the middle/bottom of dash below console -Leave 2' pigtail in cab for radio installation	1
170.	Additional Electrical Accessory  Aircraft Dynamics Pole Tacker -Altec P/N 970186318 -Ship loose	1
171.	Additional Electrical Accessory  AED heart defibrillator in hard case -Ref Altec P/N 900050528	1

**Finishing Details**

172.	Front and Rear Frame Mounted and Under Body Mounted Components (With the Exception of Rust Resistant Components) Will Be Painted Black DEPS 005 DEPS 095 (Includes Non OEM Front Bumpers and Cabguards)	1
173.	Powder Coat Unit Altec White	1
174.	Finish Paint Body Accessories Above Body Floor Altec White	1
175.	Apply Non-Skid Coating (Black) to All Walking Surfaces DEPS 057	1
176.	Heavy Duty Cargo Coating, Line-X  Apply to cargo floor and top of transverse	1
177.	Safety and Instructional Decals English	1
178.	Vehicle Height Placard Installed In Cab DEPS 002	1
179.	Placard, Engine Block Heater	1
180.	HVI-22 Hydraulic Oil Placard	1
181.	DOT Certification Required  NE	1
182.	Dielectric Test Unit According to ANSI Requirements	1
183.	Stability Test Unit According to ANSI Requirements	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
184.	Focus Factory Build	1
185.	Delivery Of Completed Unit	1
186.	Inbound Freight	1
187.	As Built Electrical and Hydraulic Schematics to be Included In the Manual Pouch (Deps 024)	1
188.	Completed Test Forms To Be Included In The Manual Pouch: -Stability Test Form -Dielectric Test Form (For Insulated Units)	1
<b><u>Chassis</u></b>		
189.	Altec Supplied Chassis	1
190.	Chassis	1
191.	2024 Model Year	1
192.	Freightliner M2-106 Plus	1
193.	Dual Rear Wheel	1
194.	Set Back Axle	1
195.	4x2	1
196.	Chassis Cab	1
197.	Regular Cab	1
198.	Chassis Without Front Frame Extensions	1
199.	Air Horn Under Cab	1
200.	AM/FM Radio	1
201.	Bluetooth	1
202.	Weather Band	1
203.	Block Heater	1
204.	Driver Controlled Locking Differential	1
205.	Air Conditioning	1
206.	Cruise Control	1
207.	Power Door Locks	1
208.	Power Windows	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
209.	Tachometer	1
210.	Tilt Steering Wheel	1
211.	110 Clear CA (Round To Next Whole Number)	1
212.	GVWR 37,600 LBS	1
213.	14,600 LBS Front GAWR	1
214.	23,000 LBS Rear GAWR	1
215.	Spring Suspension	1
216.	Cummins B6.7	1
217.	Diesel	1
218.	300 HP Engine Rating	1
219.	Allison 3000 RDS Automatic Transmission (Left and Right Side PTO Openings Only)	1
220.	204-215 Freightliner 50 Gallon Fuel Tank (Left Hand Under Cab)	1
221.	23U-001, 43X-002 Freightliner 6 Gallon DEF Tank (Under Cab Left Hand)	1
222.	016-1C3 - Freightliner Horizontal Exhaust (Right-Horizontal-Under Cab-Horizontal)	1
223.	No Clean Idle Certification Required	1
224.	EPA Emissions	1
225.	No Idle Engine Shut-Down Required	1
226.	Air Brakes	1
227.	Park Brake In Rear Wheels	1
228.	Battery Under Cab Left Hand	1
229.	Freightliner - Clear Area Around Allison PTO Openings (362-824) and (363-011)	1
230.	Freightliner - Clear Frame Rails From Back Of Cab To Front Rear Suspension Bracket (607-001)	1
231.	Freightliner - Electric Brake Controller Wiring With Combined Stop/Turn Signal Heavy Duty Tail Light Wiring At EOF (296-027)	1
232.	Freightliner - Radiator (950 Square Inch) for ISB/B.7 or DD8.1 (SS) (266-078)	1
233.	Freightliner - Rear Cab Crossmember Flush With Back Of Cab (561-010)	1
234.	Freightliner DEF Pump Mounting (23Y-001)	1
235.	Freightliner Engine & Transmission Remote Interface at Powertrain Interface Connector (163-014) (34C-011) (79W-003)	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
236.	Freightliner Powertrain Interface Connector Between Seats without Cap (48H-012)	1
237.	Freightliner Transmission Dipstick Tube Enters Curbside of Transmission (346-013)	1
238.	Freightliner - Rear Cross Member Delete (572-063)	1
239.	Freightliner - Pre-Wire Chassis with Cab Backwall Pass-Thru (33U-001)	1
240.	Air Ride Drivers Seat Dual arm rests	1
241.	Air Ride Passenger Seat Dual arm rests	1

**Additional Pricing**

242.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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**Miscellaneous**

243.	Altec Insights for E-Series Derricks: 12-months of access, from date of in-service, to Altec Insights, which provides safety and performance insights for E-Series Derrick models. This content is managed and delivered through your Altec Connect account and includes configurable email and text message notifications. Access is for the first owner, non-transferrable, and non-refundable. Terms and exclusions apply (e.g., Terms and Conditions, and Warranty).	1
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**Altec Industries, Inc.**

BY \_\_\_\_\_

Sean C. O'Brien

**Notes:**

1 Altec will make every effort to honor this quotation, subject to the following provisions. Prices for equipment with production start dates 12 months and beyond are budgetary only due to irregular cost inflation and market volatility. These prices will be reviewed based on market conditions and confirmed closer to the production date.

For a quoted chassis model year beyond the current open order bank, chassis model year, specifications and price should be considered estimates only and subject to change. Chassis model year, specifications and price will be reviewed and confirmed when specific model year information becomes available from the OEM.

2 Estimated Delivery: 67-70 months after receipt of order PROVIDING:

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- A. Customer supplied chassis (if applicable) is received a minimum of sixty (60) days before scheduled delivery.
- B. Customer approval drawings are returned by requested date.
- C. Customer supplied accessories are received by date necessary for compliance with scheduled delivery.
- D. Customer expectations are accurately captured prior to major components being ordered (body, chassis) and line set date. Unexpected additions or changes made after this time or at a customer inspection will delay the delivery of the vehicle.

Estimated Delivery is based on information at time of quote and is subject to change.

Altec reserves the right to change suppliers in order to meet customer delivery requirements, unless specifically identified, by the customer, during the quote and or ordering process.

3 This quotation is valid until JUN 17,2023. After this date, please contact Altec Industries, Inc. for a possible extension.

4 F.O.B. - Customer Site

5 Interest charge of 1/2% per month to be added for late payment.

6 FINANCING AVAILABLE: Please contact Altec Capital at (888) 408-8148 or email [finance@altec.com](mailto:finance@altec.com) for more information.

7 Price does not reflect any local, state or Federal Excise Taxes (F.E.T). The quote also does not reflect any local title or licensing fees. All appropriate taxes will be added to the final price in accordance with regulations in effect at time of invoicing.

8 Changes made to this order may affect whether or not this vehicle is subject to F.E.T. A review will be made at the time of invoicing and any applicable F.E.T. will be added to the invoice amount.

9 Any payment made by a credit card may be subject to a surcharge fee.

10 Altec Standard Warranty:

One (1) year parts warranty.

One (1) year labor warranty.

Ninety (90) days warranty for travel charges.

Warranty on structural integrity of the following major components is to be warranted for so long as the initial purchaser owns the product: Booms, boom articulation links, hydraulic cylinder structures, outrigger weldments, pedestals, subbases and turntables.

Altec is to supply a self-directed, computer based training (CBT) program. This program will provide basic instruction in the safe operation of this aerial device. This program will also include and explain ANSI and OSHA requirements related to the proper use and operation of this unit.

Altec offers its standard limited warranty with the Altec supplied components which make up the Altec Unit and its installation, but expressly disclaims any and all warranties, liabilities, and responsibilities, including any implied warranties of fitness for a particular purpose and merchantability, for any customer supplied parts

Altec designs and manufactures to applicable Federal Motor Vehicle Safety and DOT standards

11 Altec Extended Warranty Option:

An Altec Extended Warranty is an extension of Altec's Limited Warranty and protects you from the repair

cost associated with defects of materials and workmanship after the standard Limited Warranty expires.

Altec offers many types of coverages and coverage packages. Ask your Altec account manager for details. Quotes are available upon request.

12 After the initial warranty period, Altec Industries, Inc. offers mobile service units, in-shop service and same day parts shipments on most parts from service locations nationwide at an additional competitive labor and parts rate. Call 877-GO-ALTEC for all of your Parts and Service needs.

13 Trade-in offer is conditional upon equipment being maintained to DOT (Department of Transportation) operating and safety standards and remaining in compliance of DOT until arrival at an Altec Facility. This will include, but is not limited to engine, tires, lights, brakes, glass, etc. All equipment, i.e., jibs, winches, pintle hooks, trailer connectors, etc., are to remain with unit unless otherwise agreed upon in writing by both parties. ALTEC Industries reserves the right to re-negotiate its trade-in offer if these conditions are not met.

All reasonable and necessary expenses required of ALTEC Industries to execute transportation of the trade-in will be invoiced to the customer for payment if these conditions are not met to maintain DOT standards.

Customer may exercise the option to rescind this agreement in writing within sixty (60) days after receipt of purchase order. After that time ALTEC Industries will expect receipt of trade-in vehicle upon delivery of new equipment as part of the terms of the purchase order unless other arrangements have been made.

14 The final fully loaded weight of the truck and structural ratings of the hitch assembly may reduce the towing capacity and the vertical load capacity of the finished truck. These capacities may not match the ratings of the chassis or hitch.

15 Altec takes pride in offering solutions that provide a safer work environment for our customers. In an effort to focus on safety, we would encourage you to consider the following items:

- Outrigger pads (When Applicable)
- Fall Protection System
- Fire extinguisher/DOT kit
- Platform Liner (When Applicable)
- Altec Sentry Training
- Wheel Chocks

The aforementioned equipment can be offered in our new equipment quotations. If you find that any of these items have not been listed as priced options with an item number in the body of your quotation and are required by your company, we would encourage you to contact your Altec Account Manager and have an updated quote version sent to you. These options must be listed with an item number in the quotation for them to be supplied by Altec.

16 Altec values your data privacy. The Altec Family of Companies (including Altec, Inc., and its subsidiaries) may collect telematics data from the equipment you own. Please review Altec's Equipment Data Privacy Notice on [www.altec.com](http://www.altec.com) for more information. By purchasing equipment from Altec, you consent to Altec's right to collect and use such data.

17 **RECOMMENDED OPTIONS AND ACCESSORIES:** These options are not included in the quote total price. Selected options will change the quote total. Any options added after initial order will be re-quoted.

May 24, 2023  
Our 94th Year

**Ship To:**  
CITY OF SEWARD (NE)  
1345 RIVER ST  
SEWARD, NE 68434  
US

**Bill To:**  
CITY OF SEWARD (NE)  
PO BOX 38  
SEWARD, NE 68434  
United States

Attn:  
Phone:  
Email:

**Altec Quotation Number:** 1417445 - 1  
**Account Manager:** Blair M Nutzman  
**Technical Sales Rep:** Sean C. O'Brien

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	<p>Altec Model TA50 Articulating Telescopic Aerial Device with a fiberglass upper boom and fiberglass insulator in the articulating arm and a proportional joystick upper control and toggle switches. Built in accordance to ALTEC's standard specifications and to include the following features:</p> <ul style="list-style-type: none"> <li>A. Ground to Bottom of Platform Height: 49.5 ft at 12.0 ft from centerline of rotation (15.1 m at 3.7 m)</li> <li>B. Working Height: 54.5 ft (16.6 m)</li> <li>C. Maximum reach to edge of platform: 36.2 ft at 19.9 ft platform height (11 m at 6.1 m)</li> <li>D. Continuous Rotation</li> <li>E. Articulating Arm Articulation: -5 to 92 degrees. Insulator provides a minimum of 12 in (304.8 mm) of isolation.</li> <li>F. Articulating arm is a tubular steel structure. The articulating arm is designed so that the articulating arm and lower boom are compensating. By raising the articulating arm only, the lower and upper boom maintains the same relative angle with the ground. By raising the articulating arm in conjunction with the lower boom, the operator is able to position himself more quickly and easily into the work area.</li> <li>G. Upper Boom Articulation: -25 to 75 degrees. Insulator provides a minimum 38.0 in (609.6 mm) of isolation. The telescopic upper boom is filament wound, square fiberglass that is extended and retracted by a double acting hydraulic cylinder installed within the booms. The boom extends and retracts over slide bearings located in the end of the lower boom.</li> <li>H. Upper Controls: The upper controls system includes a proportional joystick upper control and toggle switches.</li> <li>I. The Altec ISO-Grip System (U.S. Patent No. 7,416,053) includes the following boom tip components that can provide an additional layer of secondary electrical contact protection. This is not a primary protection system. Control Handle is a single handle controller incorporating high electrical resistance components that is dielectrically tested to 40 kV AC with no more than 400 microampers of leakage. The control handle is green in color to differentiate it from other non-tested controllers. The handle also includes an interlock guard that reduces the potential</li> </ul>	1

Item	Description	Qty
	for inadvertent boom operation. The handle is tiller style and points away from elbow. Auxiliary control covers are non-tested blue silicon covers. The control console in non-tested non-metallic control console plate. The boom tip covers are non-tested non metallic and are not dielectrically tested, but they may provide some protection against electrical hazards.	
J.	Two sets of quick disconnect couplings at the platform. The open center hydraulic system on this unit requires the use of open center tools.	
K.	Lifting eye: on lower boom with 1000 lb. capacity.	
L.	Lower Controls: A lower control station includes and is located on the curbside of the turntable. A selector valve is provided to override the upper controls.	
M.	The platform is leveled by hydraulic leveling means, contained within the upper boom and designed to maintain the dielectric integrity of the aerial device. Controls for leveling and tilting the platform are located at the platform. Leveling for the platform includes two double acting cylinders incorporating counterbalance load holding valves to lock the platform in the event of hydraulic line failure. Cylinders are located at the platform and at the end of the lower boom. The master-slave action of the cylinders maintains a level platform throughout the full range of boom articulation.	
N.	Outrigger/boom interlock system prevents boom from being unstowed until outriggers have been at least partially deployed.	
O.	Outrigger/unit selector control is located near the outrigger controls, allows operator to divert hydraulic oil from machine circuit for outrigger operation. This reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped.	
P.	Outrigger motion alarm provides audible alarm when any of the outriggers controls are operated.	
Q.	Diagnostic Pressure Test Quick Disconnect Couplings: are located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system and tool circuit pressure. This convenient troubleshooting feature saves time and reduces the risk of high pressure oil sprays.	
R.	Unit meets or exceeds ANSI 92.2 standards.	
2.	Automatic Upper Boom Stow Securing System with support cradle.	1
3.	Pedestal, Rear Mount, High Cab Height - includes 43 inch (1092 mm) pedestal height, 91.5 inch (2324 mm) mast height - recommended for T55 and TA60, installed in tall cab height chassis	1
4.	220PE-J Single Two-Man Platform with hydraulically articulating jib (Altec ARM Jib) - Platform end mounted, rotates 180 degrees around boom tip. Platform has a capacity of 600lbs without liner. 24" Vertical Platform Lift, Material handling system comes with 80ft of 0.50 inch polyester double braid rope, a metal thimble in the working end and jib rated at a maximum capacity of 1,000 lbs	1
5.	259 Polyethylene platform liner for two man platform, 50 kV rating (minimum)	1
6.	Tool Circuit At Boom Tip, Additional Tool Outlet Set (TA End Mount)	1
7.	Engine Start/Stop & Secondary Stowage System: 12 VDC powered motor and pump assembly for temporary operation of the unit in a situation wherein the primary hydraulic source fails. Electric motor is powered by the chassis battery. This feature allows the operator to completely stow the booms, platform, and outriggers. Secondary Stowage & Start/Stop is activated with an air plunger at the platform or momentary switch at the lower control station and outriggers.	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
8.	Throttle Control - Manually increase/decrease chassis engine speed to preset values. Control is captive air operated from the platform and momentary switch operated from the lower controls and outrigger controls.	1
9.	Electric Over Hydraulic Outrigger Controls	1
10.	241S - Outrigger, A-Frame with Swivel-Shoe - 135.6 inch maximum spread pin to pin	1
11.	Primary 18" X 18" Oversized Shoe	1
12.	240 Modified flat-shoe, A-frame, Fixed Shoe, Outrigger installed at rear of body, with 101 inches (2565 mm) of spread at maximum penetration.  Installed outside of body	1
13.	Powder coat unit Altec White.	1
<b><u>Unit &amp; Hydraulic Acc.</u></b>		
14.	Scuff Pad 24 x 48 With Step For Use With Platform Liner (U&H Acc)	1
15.	Platform Cover, 24 x 48, Soft Vinyl	1
16.	Single Conductor Holder Self-Aligning 2.5 (For Use With 3 DIA Extensions And Adapters) Altec Preferred	1
17.	Crossarm Assembly (10 Ft Solid Epoxirod) With Three 2-1/2 In Wire Holders And No Bracing	1
18.	Swivel Hook For Winch Load Line, Material Handling, 1-Ton With Latch, Aerials	1
19.	TA50/55/60 Series Subbase	1
20.	Subbase Blocks	1
21.	Insert Center Section Storage Stop at Custom Depth  Stop at 102"	1
22.	Subbase Storage With Drop Down Door (Paddle Latch) At Rear Notched for Tool Storage, 6 Inch High	1
23.	Hydraulic Oil Heater, Engine Coolant Style	1
24.	Temperature Sight Gauge (FA Supplied)	1
25.	25 Gallon Reservoir, Sloped, Sight/Temperature Gauge Installed, Engine Coolant Style Oil Heater, Mounted in Cargo Area  SS of pedestal	1
26.	HVI-22 Hydraulic Oil (Standard)	32
27.	Standard Pump for PTO	1
28.	Muncie PTO	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
29.	Hot Shift PTO (for Automatic Transmission)	1
30.	Standard Altec PTO/Transmission Functionality with Park Brake Auto Neutral for Allison Automatic Transmissions: -Once the PTO switch is on, the Parking Brake is engaged, and the transmission is in a near stationary condition (i.e., below 5 mph) the transmission will be forced to neutral, and PTO will engage.	1
31.	Standard Parking Brake Machine Interlock: Parking (holding) brake must be set before machine is operable.	1
32.	Altec recommends any connection made to the tool circuit be done with Non-Conductive hose. If ordering a Hose reel, Altec recommends ordering a hose reel with Non-Conductive hose. The lower tool circuit hoses may be, or become, conductive. Death or serious injury could occur if the unit becomes energized while lower tool circuit is in use.	1
33.	Install Tool Circuit With Quick Disconnects Below Rotation (Male Pressure Female Return), No Hose Reel  Located in SS light channel at rear	1
<b><u>Body</u></b>		
34.	Altec Body	1
35.	Steel Body	1
36.	Body Is To Be Built In Accordance With The Following Altec Standard Specifications:  <ul style="list-style-type: none"> <li>A. Basic Body Fabricated From A40 Grade 100% Zinc Alloy Coated Steel.</li> <li>B. All Doors Are Full, Double Paneled, Self-Sealed With Built-In Drainage For Maximum Weather-Tightness. Stainless Steel Hinge Rods Extend Full Length Of Door.</li> <li>C. Heavy-Gauge Welded Steel Frame Construction.</li> <li>D. Integrated Door Header Drip Rail At Top For Maximum Weather Protection.</li> <li>E. Fender Panels Are Either Roll Formed Or Have Neoprene Fenderettes Mechanically Fastened.</li> <li>F. Steel Treated For Improved Primer Bond And Rust Resistance.</li> <li>G. Automotive Type Non-Porous Door Seals Fastened To The Door Facing.</li> <li>H. B-Line Channel Installed In Compartments</li> </ul>	1
37.	Smooth Galvanneal Steel Floor	1
38.	Aerial Service Line (ASL)	1
39.	Finish Paint Body Altec White	1
40.	Undercoat Body	1
41.	158" Estimated Body Length (Engineering To Determine Final Length)	1
42.	94" Body Width	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
43.	46" Body Compartment Height	1
44.	18" Body Compartment Depth	1
45.	2" x 6" Drop-In Composite Retaining Board At Rear Of Body	1
46.	Curbside Smooth Compartment Tops	1
47.	Streetside Smooth Compartment Tops	1
48.	Adhesive Strip Lighting (LED) Around Top And Sides Of Compartment Door Facings	10
49.	Stainless Steel Rotary Paddle Latches With Keyed Locks	10
50.	All Locks Keyed Alike Including Accessories (Preferred Option)	1
51.	Standard Master Body Locking System	10
52.	Gas Prop Rigid Door Holders On All Vertical Doors	1
53.	Chains On All Horizontal Doors	1
54.	One Chock Holder On Each Side of Body With Retaining Lip In Fender Panel	1
55.	Hotstick Shelf Extending From Rear Of Third Vertical To Rear Of Body On Streetside	1
56.	Standard Drop-Down Hotstick Door For One (1) Shelf On Streetside, Stainless Steel Slam Paddle Latch With Keyed Lock	1
57.	1st Vertical (SS) - Adjustable Shelf With Removable Dividers On 4" Centers	4
58.	2nd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4" Centers	2
	Install above drawer kits -Top shelf to be approx 10" from top of compartment	
59.	2nd Vertical (SS) - Custom Drawer Kit	1
	Three (3) 3 Inch High Drawer Kit On Slides, As Wide As Possible, Latched, Egg Crate-Style Dividers on 2 Inch Centers -Drawers to be approximately 15"D -Install above 5 inch high drawer kits	
	Two (2) 5 Inch High Drawer Kit On Slides, As Wide As Possible, Latched, Egg Crate-Style Dividers on 2 Inch Centers -Drawers to be approximately 15"D -Install below 3 inch high drawer kits	
60.	3rd Vertical (SS) - Adjustable Shelf With Removable Dividers On 4" Centers	2
	Install above drawer kits -Top shelf to be approx 10" from top of compartment	
61.	3rd Vertical (SS) - Custom Drawer Kit	1
	Three (3) 3 Inch High Drawer Kit On Slides, As Wide As Possible, Latched, Egg Crate-Style Dividers on 2 Inch Centers	

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	-Drawers to be approximately 15"D -Install above 5 inch high drawer kits	
	Two (2) 5 Inch High Drawer Kit On Slides, As Wide As Possible, Latched, Egg Crate-Style Dividers on 2 Inch Centers -Drawers to be approximately 15"D -Install below 3 inch high drawer kits	
62.	1st Horizontal (SS) - Fixed Shelf With Removable Dividers On 4 Inch Centers On Bottom of Compartment	1
63.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall  Two (2) rows of 2-3-2	4
64.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall  Two (2) rows of 2-3-2	6
65.	Rear Vertical (SS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall  Two (2) rows of 2-3-2	4
66.	Rear Vertical (SS) - Custom Hook Option  Two (2) sets of four (4) hooks on the door -One (1) set located at the top of the door -One (1) set located halfway down the door	1
67.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2
68.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3
69.	1st Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2
70.	2nd Vertical (CS) - Adjustable Shelf With Removable Dividers On 4" Centers	5
71.	2nd Vertical (CS) - Second and Third Verticals Combined, Opened With Two (2) Overlapping Doors	1
72.	3rd Vertical (CS) - Adjustable Shelf With Removable Dividers On 4" Centers	5
73.	1st Horizontal (CS) - Adjustable Shelf With Removable Dividers On 4" Centers	1
74.	1st Horizontal (CS) - Fixed Shelf With Removable Dividers On 4 Inch Centers On Bottom of Compartment	1
75.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Left Wall	2
76.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Rear Wall	3
77.	Rear Vertical (CS) - Locking Swivel Hooks On An Adjustable Rail - Right Wall	2
78.	Rear Vertical (CS) - Custom Hook Option  Two (2) sets of four (4) hooks -One (1) set located at top of the door	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	-One (1) set located halfway down the door	
79.	36" L Steel Tailshelf, Width To Match Body 36" beyond rear of outrigger	1
80.	Custom Material Retainer On Tailshelf 2x6 removable composite board around entire tailshelf	1
81.	Steel U-Shaped Grab Handle Installed on Tailshelf Left side of access steps	1
82.	Custom Steel Tailshelf Option Steel Recessed Gripstrut Side Access Steps On Curbside of Tailshelf, Vented Battery Storage (Keyed Lock) -Include chainsaw bar storage	1
83.	Smooth Galvanneal Steel Tailshelf	1
84.	Small Steel Grab Handle Installed At Rear Install off rear face of CS rear vertical -For use with access steps	1
85.	Inverter Storage In Remote Steel Enclosure, Located Outside Of Body Compartments With Provisions For Remote GFCI Receptacle In Curbside 1st Vertical Inverter installed in a box on the SS first vertical compartment top, provide GFCI in CS Horizontal.	1
86.	Steel Top Opening Storage Box, One (1) Gripstrut Lid, Gas Props, Hasp Lock, Handle Parallel To Ground And Centered (2 Handles for Boxes Greater Than 108") Approximately 170"L x 18"D x 12"H -Install on CS compartment tops -Front lid to be 108"L and rear lid to be 62"L -Provide carpet lining and LED strip lighting	1
87.	Additional Steel Top Opening Storage Box Blanket Box -Approximately 40"L x 20"D x same height as compartments -Install along SS cargo wall in front corner -Box to include three (3) 1" pipes to hang blankets on -Provide hasp for pad lock	1
88.	Additional Steel Top Opening Storage Box Punched metal box with lid -Approximately 12"H x 18"D x length of SS comp top aft of inverter box -Install on SS compartment tops aft remote inverter enclosure	1

**Body and Chassis Accessories**

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
89.	Set of Safety Chain D-Rings	1
90.	Swivel Style Pintle Hitch (30 000 LB MGTW with 6 000 LB MVL), 11-Bolt T-Mount, Altec Preferred (T-125 Style), D-Rings, No Dock Bumper, 4x2/6x4	1
91.	ICC (Underride Protection) Bumper, Installed at Rear	1
92.	Platform Access Steps And Ladders Option 1  Platform access ladder with chainsaw storage incorporated underneath steps. To fit 36" chainsaw	1
93.	Boom Rest for a Telescopic Unit (Located in Cargo Area)	1
94.	Platform Rest, Rigid with Rubber Tube  Platform to rest as close to cargo floor as possible	1
95.	Plastic Outrigger Pad 24 x 24 x 2 with Handle	4
96.	Outrigger Pad Holder, 25 L x 25 W x 3 H Fits 24.5 x 24.5 x 2 and Smaller Pads Bolt-On Bottom, Washout Holes with 3/4 Inch Lip Retainer, Steel	4
97.	Pendulum Retainers for Outrigger Pad Holders	4
98.	Wheel Chocks Rubber with Metal Hairpin Handle 9.75 L x 7.75 W x 5 H (Pair) (Altec Preferred)	1
99.	Mud Flaps with Altec Logo (Pair)	1
100.	Fold Over, Post Style Cone Holder (Holds up to four 15 x15 large cones), Outrigger Mount, Street Side	1
101.	Wire Storage Rack, 30 L x 28 W x 20 H with 5 Sections (Bicycle Rack)  CS front corner of cargo area	1
102.	Wire Reel Storage Bracket Option 1  T-style copper reel on the CS rear tailshelf	1
103.	10 LB Fire Extinguisher with Heavy Duty Bracket Shipped Loose (Amerex #B456)	1
104.	Triangular Reflector Kit (Contains 3 Reflectors) Shipped Loose	1
105.	Slope Indicator Assembly (Pair) for Machine with Outrigger	1
106.	Vinyl Manual Pouch for Storage of All Operator and Parts Manuals	1
107.	Send Out for Spring Build Up	1
108.	Additional Body/Chassis Accessory  Install two (2) "T" style transformer holders at rear -Reference job# 37-75543574	2

<u>Item</u>	<u>Description</u>	<u>Qty</u>
109.	Additional Body/Chassis Accessory  Install light mounting structure off front of body	1
<b><u>Electrical Accessories</u></b>		
110.	Compartment Lights Wired To Dash Mounted Master Switch	1
111.	Lights And Reflectors In Accordance With FMVSS 108 (Complete LED)	1
112.	Strobe Light Option  Install one (1) strobe light on each side of light mounting structure outboard of Go-lights -Blue Ecco EB7930B (990265242) on SS -Amber Ecco EB7930A (990265241) on CS -Lights to have brush guards	2
113.	Corner Strobe Systems Option  Amber/Blue 4 corner strobes -Amber on CS and Blue on SS  Amber Grille - Superior Signal SYFLAT6-A (990258165) Blue Grille - Superior Signal SYFLAT6-B (990258166) Amber Grommet - Whelen 2FA00ZCR (970031306) Blue Grommet - Whelen 2FB00ZCR (970410843)	1
114.	Strobe Lights Wired Battery Hot	1
115.	Directional Light Bar, Amber, LED, 42 Inches Long (Federal Signal #320782 & #330104-SB)  Installed on rear of tail shelf -Include tread plate eyebrow over bar -Controls inside of cab	1
116.	Flood Light, LED, With Rubber Housing, 4.75 DIA (Truck-Lite #81260)  Install one (1) underslung and centered off light mounting structure  Install one (1) off each top mounted box at rear	3
117.	Perimeter/Underbody Lights, LED, Black (Pair) (Whelen #PELCB)  Near each outrigger	2
118.	Remote Spot Light, LED, Permanent Mount, With Programmable Wireless Remote (Go-Light #30004ST)  Install one (1) each side of light mounting bracket inboard of strobes	2
119.	Dual Tone Backup Alarm With Outrigger Motion Alarm	1
120.	Altec Standard Multi-Point Grounding System	6

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
121.	Grounding Reel, Automatic Retracting, Aeromotive #GR900 - Holds #1/0 GA Cable (Max 40 Ft)  SS rear of tailshelf -Payout to rear	1
122.	Grounding Cable, #1/0 GA, Yellow Jacketed (Specify Length In Feet)	40
123.	Grounding Lug, Stainless Steel, Straight  Install one (1) at CS rear of tailshelf and one (1) near CS front outrigger	2
124.	Grounding Clamp, Aluminum C-Clamp Style With Smooth Jaws (Includes Ferrule And Heat Shrink Tubing), #1/0 GA Cable	1
125.	Altec Backup Camera System, 7 Inch Color LCD Monitor, Heated Infrared Camera With Day/Night Sensor And Audio  To have continuous feed, not just in reverse.  A. 7 Inch Color LCD Monitor With LED Backlighting And Proximity Indicators B. 2 Inputs With Independent Triggers C. Heated Infrared Camera With Day/Night Sensor And Audio D. Mirror/Normal View E. IP68 Rated F. Wide Viewing Angle (104 Degrees Horizontal x 78 Degrees Vertical) G. 20 Meter Cable Assembly	1
126.	Install backup camera monitor on the front windshield in lieu of the rearview mirror.	1
127.	PTO Hour Meter, Digital, With 10 000 Hour Display	1
128.	Trailer Brake Controller, Electric (Tekonsha Voyager #9030)	1
129.	Altec Modular Panel System (AMPS) - Includes Mounting Panel And Accessory Switches  Add switch to the AMPs panel for city radio -Include wire in the cab for installation.	1
130.	Inverter, 2400 Watt, Pure Sine Wave, 120/240 VAC (Sensata #12/2400DN)  Install in enclosure box on top of SS compartment top	1
131.	Inverter Wired Ignition Hot To Switch Mounted In Chassis Cab	1
132.	Electrical Receptacle, 120 Volt, GFCI, Includes Weather-Resistant Enclosure  Install one (1) in CS light channel near outrigger and one (1) in top left of back wall of SS 1st vertical	2
133.	120 Volt Non-GFCI Receptacle Includes Weather-Resistant Enclosure Requires at least 1 GFCI Receptacle  Install in cab near cup holders	1
134.	Electrical Cord Reel, Retractable, Includes 50 Ft Of 12-3 Cord, Ball Stop, And	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
	Receptacle Install on SS rear corner of tailshelf -Payout to rear	
135.	GFCI Receptacle Hardwired To Protect Additional Non-GFCI Receptacles	1
136.	Electrical Receptacle, 12 Volt (Cigarette Lighter Style), Weatherproof Install near GFCI receptacles	2
137.	Pre-Wire Power Distribution Module (PDM-10), 10 Accessory Circuits, CAN Signals, Installed	1
138.	Install Outrigger Interlock System In Final Assembly	1
139.	Install Secondary Stowage and Remote Start/Stop System in Final Assembly	1
140.	Additional Electrical Accessory Install three (3) lighted rocker switches labeled as "spare" -Each switch to be 20 amp and tied into the PDM box	1
141.	Additional Electrical Accessory Install CB radio speaker wire in conduit with 2' pig-tail at each end -One (1) end in cab and one (1) at CS of light mounting structure -Include speaker	1

**Finishing Details**

142.	Front and Rear Frame Mounted and Under Body Mounted Components (With the Exception of Rust Resistant Components) Will Be Painted Black DEPS 005 DEPS 095 (Includes Non OEM Front Bumpers and Cabguards)	1
143.	Powder Coat Unit Altec White	1
144.	Finish Paint Body Accessories Above Body Floor Altec White	1
145.	Apply Non-Skid Coating (Black) to All Walking Surfaces DEPS 057	1
146.	Safety and Instructional Decals English	1
147.	Vehicle Height Placard Installed In Cab DEPS 002	1
148.	Placard, Engine Block Heater	1
149.	HVI-22 Hydraulic Oil Placard	1
150.	DOT Certification Required NE	1
151.	Dielectric Test Unit According to ANSI Requirements	1
152.	Stability Test Unit According to ANSI Requirements	1

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And Opportunity of Serving You

UTILITY EQUIPMENT AND BODIES SINCE 1929

<u>Item</u>	<u>Description</u>	<u>Qty</u>
153.	Focus Factory Build	1
154.	Delivery Of Completed Unit	1
155.	Inbound Freight	1
156.	As Built Electrical and Hydraulic Schematics to be Included In the Manual Pouch (Deps 024)	1
157.	Completed Test Forms To Be Included In The Manual Pouch: -Stability Test Form -Dielectric Test Form (For Insulated Units)	1
158.	TA50 FA Installation	1
<u>Chassis</u>		
159.	Altec Supplied Chassis	1
160.	Chassis	1
161.	2024 Model Year	1
162.	Freightliner M2-106 Plus	1
163.	Dual Rear Wheel	1
164.	Set Back Axle	1
165.	4x2	1
166.	Chassis Cab	1
167.	Regular Cab	1
168.	Chassis Without Front Frame Extensions	1
169.	Air Horn Under Cab	1
170.	AM/FM Radio	1
171.	Bluetooth	1
172.	Weather Band	1
173.	Block Heater	1
174.	Driver Controlled Locking Differential	1
175.	Air Conditioning	1
176.	Cruise Control	1
177.	Power Door Locks	1

<u>Item</u>	<u>Description</u>	<u>Qty</u>
178.	Power Windows	1
179.	Tachometer	1
180.	Tilt Steering Wheel	1
181.	Other Interior Cab Options	1
	Center Console; lower portion of the windshield to be heated	
182.	112 Clear CA (Round To Next Whole Number)	1
183.	GVWR 33,000 LBS	1
184.	13,300 LBS Front GAWR	1
185.	21,000 LBS Rear GAWR	1
186.	Spring Suspension	1
187.	Cummins L9	1
188.	Diesel	1
189.	300 HP Engine Rating	1
190.	Allison 3000 RDS Automatic Transmission (Left and Right Side PTO Openings Only)	1
191.	204-215 Freightliner 50 Gallon Fuel Tank (Left Hand Under Cab)	1
192.	23U-001, 43X-002 Freightliner 6 Gallon DEF Tank (Under Cab Left Hand)	1
193.	016-1C2 - Freightliner Vertical Exhaust (Right-Horizontal-Under Cab-Vertical)	1
194.	No Clean Idle Certification Required	1
195.	EPA Emissions	1
196.	No Idle Engine Shut-Down Required	1
197.	Air Brakes	1
198.	Park Brake In Rear Wheels	1
199.	Battery Under Cab Left Hand	1
200.	Freightliner - Clear Area Around Allison PTO Openings (362-824) and (363-011)	1
201.	Freightliner - Clear Frame Rails From Back Of Cab To Front Rear Suspension Bracket (607-001)	1
202.	Freightliner - Electric Brake Controller Wiring With Combined Stop/Turn Signal Heavy Duty Tail Light Wiring At EOF (296-027)	1
203.	Freightliner - Rear Cab Crossmember Flush With Back Of Cab (561-010)	1
204.	Freightliner DEF Pump Mounting (23Y-001)	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
205.	Freightliner Engine & Transmission Remote Interface at Powertrain Interface Connector (163-014) (34C-011) (79W-003)	1
206.	Freightliner Powertrain Interface Connector Between Seats without Cap (48H-012)	1
207.	Freightliner Transmission Dipstick Tube Enters Curbside of Transmission (346-013)	1
208.	Freightliner Vertical Exhaust With Minimum Protrusion Above Cab (239-200)	1
209.	Freightliner 1 Inch Spacer Installed On LH/Rear Suspension (621-122)	1
210.	Freightliner - Rear Cross Member Delete (572-063)	1
211.	Freightliner - Pre-Wire Chassis with Cab Backwall Pass-Thru (33U-001)	1
212.	Air Ride Drivers Seat	1
213.	Air Ride Passenger Seat	1
<b><u>Additional Pricing</u></b>		
214.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1

**Altec Industries, Inc.**

BY

Sean C. O'Brien

**Notes:**

- 1 Altec will make every effort to honor this quotation, subject to the following provisions. Prices for equipment with production start dates 12 months and beyond are budgetary only due to irregular cost inflation and market volatility. These prices will be reviewed based on market conditions and confirmed closer to the production date.  
  
For a quoted chassis model year beyond the current open order bank, chassis model year, specifications and price should be considered estimates only and subject to change. Chassis model year, specifications and price will be reviewed and confirmed when specific model year information becomes available from the OEM.
- 2 Estimated Delivery: 67-70 months after receipt of order PROVIDING:
  - A. Customer supplied chassis (if applicable) is received a minimum of sixty (60) days before scheduled delivery.
  - B. Customer approval drawings are returned by requested date.
  - C. Customer supplied accessories are received by date necessary for compliance with scheduled delivery.
  - D. Customer expectations are accurately captured prior to major components being ordered (body,

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UTILITY EQUIPMENT AND BODIES SINCE 1929

chassis) and line set date. Unexpected additions or changes made after this time or at a customer inspection will delay the delivery of the vehicle.

Estimated Delivery is based on information at time of quote and is subject to change.

Altec reserves the right to change suppliers in order to meet customer delivery requirements, unless specifically identified, by the customer, during the quote and or ordering process.

3 This quotation is valid until JUN 17,2023. After this date, please contact Altec Industries, Inc. for a possible extension.

4 F.O.B. - Customer Site

5 Interest charge of 1/2% per month to be added for late payment.

6 FINANCING AVAILABLE: Please contact Altec Capital at (888) 408-8148 or email [finance@altec.com](mailto:finance@altec.com) for more information.

7 Price does not reflect any local, state or Federal Excise Taxes (F.E.T). The quote also does not reflect any local title or licensing fees. All appropriate taxes will be added to the final price in accordance with regulations in effect at time of invoicing.

8 Changes made to this order may affect whether or not this vehicle is subject to F.E.T. A review will be made at the time of invoicing and any applicable F.E.T. will be added to the invoice amount.

9 Any payment made by a credit card may be subject to a surcharge fee.

10 Altec Standard Warranty:

One (1) year parts warranty.

One (1) year labor warranty.

Ninety (90) days warranty for travel charges.

Warranty on structural integrity of the following major components is to be warranted for so long as the initial purchaser owns the product: Booms, boom articulation links, hydraulic cylinder structures, outrigger weldments, pedestals, subbases and turntables.

Altec is to supply a self-directed, computer based training (CBT) program. This program will provide basic instruction in the safe operation of this aerial device. This program will also include and explain ANSI and OSHA requirements related to the proper use and operation of this unit.

Altec offers its standard limited warranty with the Altec supplied components which make up the Altec Unit and its installation, but expressly disclaims any and all warranties, liabilities, and responsibilities, including any implied warranties of fitness for a particular purpose and merchantability, for any customer supplied parts

Altec designs and manufactures to applicable Federal Motor Vehicle Safety and DOT standards

11 Altec Extended Warranty Option:

An Altec Extended Warranty is an extension of Altec's Limited Warranty and protects you from the repair cost associated with defects of materials and workmanship after the standard Limited Warranty expires.

Altec offers many types of coverages and coverage packages. Ask your Altec account manager for details. Quotes are available upon request.

12 After the initial warranty period, Altec Industries, Inc. offers mobile service units, in-shop service and same day parts shipments on most parts from service locations nationwide at an additional competitive labor and parts rate. Call 877-GO-ALTEC for all of your Parts and Service needs.

13 Trade-in offer is conditional upon equipment being maintained to DOT (Department of Transportation) operating and safety standards and remaining in compliance of DOT until arrival at an Altec Facility. This will include, but is not limited to engine, tires, lights, brakes, glass, etc. All equipment, i.e., jibs, winches, pintle hooks, trailer connectors, etc., are to remain with unit unless otherwise agreed upon in writing by both parties. ALTEC Industries reserves the right to re-negotiate its trade-in offer if these conditions are not met.

All reasonable and necessary expenses required of ALTEC Industries to execute transportation of the trade-in will be invoiced to the customer for payment if these conditions are not met to maintain DOT standards.

Customer may exercise the option to rescind this agreement in writing within sixty (60) days after receipt of purchase order. After that time ALTEC Industries will expect receipt of trade-in vehicle upon delivery of new equipment as part of the terms of the purchase order unless other arrangements have been made.

14 The final fully loaded weight of the truck and structural ratings of the hitch assembly may reduce the towing capacity and the vertical load capacity of the finished truck. These capacities may not match the ratings of the chassis or hitch.

15 Altec takes pride in offering solutions that provide a safer work environment for our customers. In an effort to focus on safety, we would encourage you to consider the following items:

- Outrigger pads (When Applicable)
- Fall Protection System
- Fire extinguisher/DOT kit
- Platform Liner (When Applicable)
- Altec Sentry Training
- Wheel Chocks

The aforementioned equipment can be offered in our new equipment quotations. If you find that any of these items have not been listed as priced options with an item number in the body of your quotation and are required by your company, we would encourage you to contact your Altec Account Manager and have an updated quote version sent to you. These options must be listed with an item number in the quotation for them to be supplied by Altec.

16 Altec values your data privacy. The Altec Family of Companies (including Altec, Inc., and its subsidiaries) may collect telematics data from the equipment you own. Please review Altec's Equipment Data Privacy Notice on [www.altec.com](http://www.altec.com) for more information. By purchasing equipment from Altec, you consent to Altec's right to collect and use such data.

17 **RECOMMENDED OPTIONS AND ACCESSORIES:** These options are not included in the quote total price. Selected options will change the quote total. Any options added after initial order will be re-quoted.

- B. Motions on Recommended Budget Amendments
- 4. Consideration and Approval of Bid Documents for the Izaak Walton - Hwy 15 Street Re-Construction Project and Authorize the City to Seek Construction Bids - City Engineer Oneby

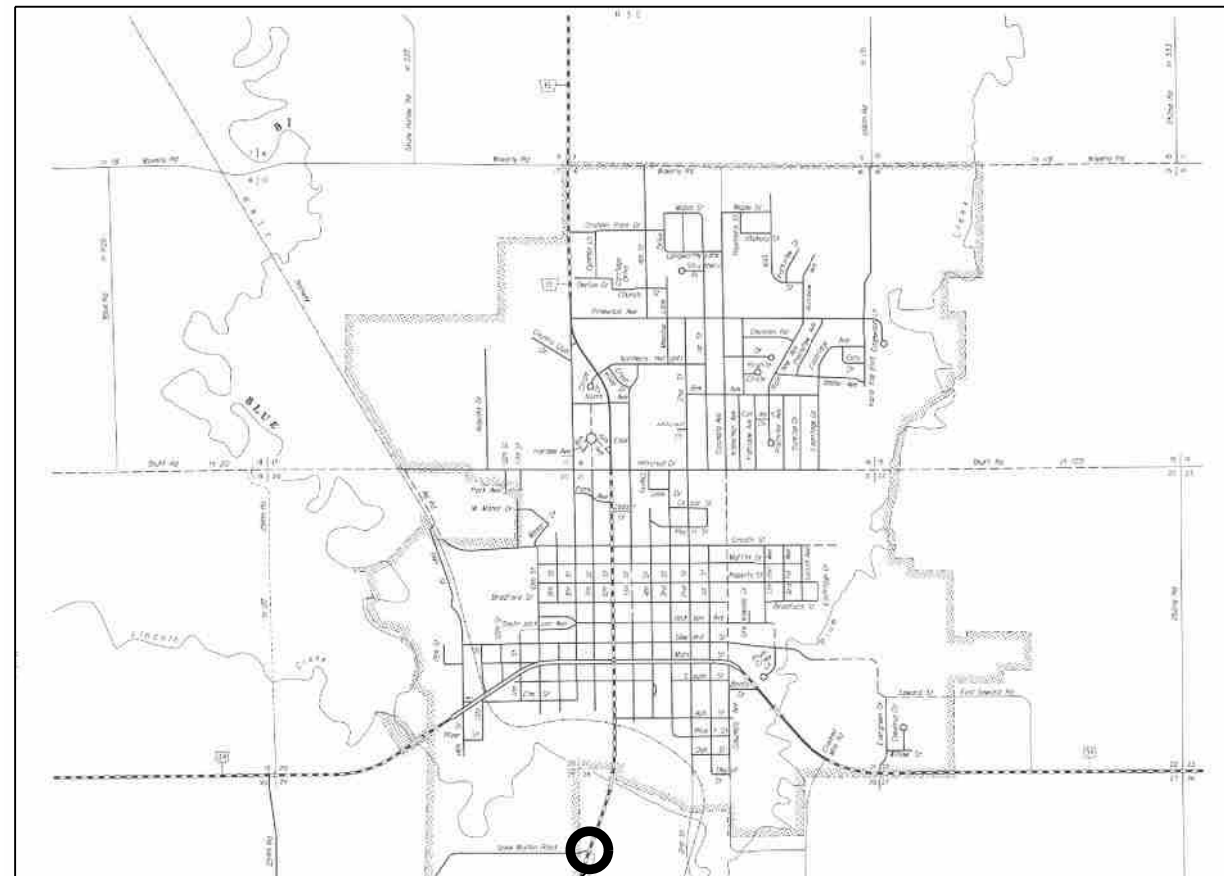
**PLANS FOR CONSTRUCTION**

# IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION IMPROVEMENTS CITY OF SEWARD

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
B1 - B3	TYPICAL CROSS SECTIONS
C1	SUMMARY OF QUANTITIES
E1	AERIAL AND WETLANDS
F1	HORIZONTAL ALIGNMENT AND CONTROL POINTS
G1	GENERAL INFORMATION
G2	DETOUR ROUTE
G3	PROPOSED GRADING
J1	GEOMETRICS
J2	JOINTS AND GRADES
J3 - J4	CONSTRUCTION AND REMOVAL
J5 - J6	SWPPP PLAN
J7	SEDIMENT AND EROSION CONTROL
L1 - L3	PLAN AND PROFILE
M1	PAVEMENT MARKINGS
NI - N7	ROADWAY LIGHTING
R1	DRAINAGE CROSS SECTIONS
W1	RIGHT-OF-WAY
X1 - X6	CROSS SECTIONS

STD. PLAN NO.	DESCRIPTION
301	PAVEMENT DETAILS
329	8 TO 16 INCH CONCRETE PAVEMENT
410	FLARED END SECTIONS FOR CULVERT PIPES
411	BEDDING AND BACKFILL REQUIREMENTS FOR CONCRETE PIPE
425	COLLARS AND ELBOWS FOR CONCRETE PIPE
501	EROSION CONTROL
502	SILT FENCE DETAILS
914	PULL BOX DETAIL
920	TRAFFIC CONTROL, CONSTRUCTION & MAINTENANCE
923	TRAFFIC CONTROL ROAD CLOSURE
924	URBAN TRAFFIC CONTROL PLAN
941	PAVEMENT MARKING
943	TEMPORARY PAVEMENT MARKING



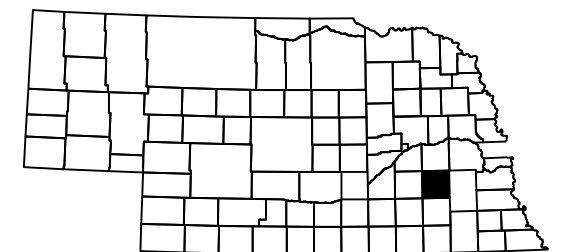
THE 2017 ENGLISH EDITION OF THE NEBRASKA STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS APPLY TO THIS PROJECT.

THE WORK ON THIS PROJECT CONSISTS OF GROUPS	
1-GRADING, 3-SURFACING, 4-DRAINAGE, 7-PAVEMENT MARKING & SIGNING, A-STREET LIGHTING, L-EROSION CONTROL	
▲ GROUPS	1, 3, 4, 7, A, L ARE INCLUDED IN THE LETTING OF _____
▲ GROUPS	_____ ARE INCLUDED IN THE LETTING OF _____
■ GROUPS	_____ ARE INCLUDED IN THE LETTING OF _____



PLANS PREPARED BY:  
THE SCHEMMER ASSOCIATES, INC.  
333 S. 21ST STREET, SUITE 102  
LINCOLN, NE 68510

PROJECT LOCATION

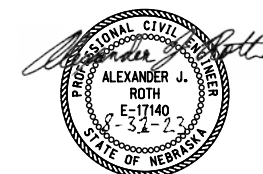


**CONVENTIONAL SIGNS**

FENCE R.O.W. OR WIRE	— — — — —
GUARDRAIL	— — — — —
TRAVELED WAY	— — — — —
DIKE	— — — — —
CULVERT	— — — — —
POWER POLE	■
TELEPHONE POLE	◆
MAILBOX	□
RAILROAD TRACKS	— — — — —
MARSH	— — — — —
TREE - CONIFEROUS	● ● ● ● ●
TREE - DECIDUOUS	○ ○ ○ ○ ○

**R.O.W. LEGEND**

NEW CONTROLLED ACCESS	— — — — —
PREVIOUS CONTROLLED ACCESS	— — — — —
LIMITS OF CONSTRUCTION	— — — — —
PREVIOUS R.O.W.	— — — — —
NEW R.O.W.	— — — — —
EXISTING PERMANENT EASEMENT	— — — — —
TEMPORARY EASEMENT	— — — — —
EXCESS TAKING	— — — — —
PERMANENT EASEMENT	— — — — —
EXISTING RAILROAD EASEMENT	— — — — —
NEW RAILROAD PERMANENT EASEMENT	— — — — —
NEW RAILROAD TEMPORARY EASEMENT	— — — — —

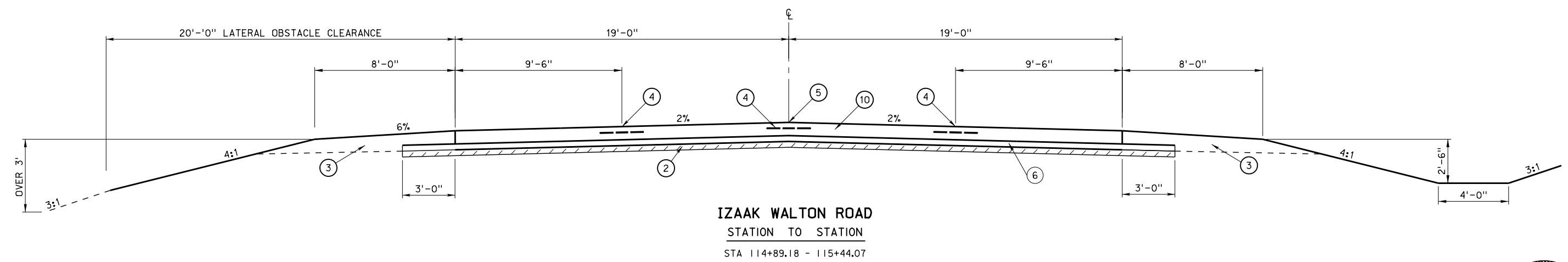
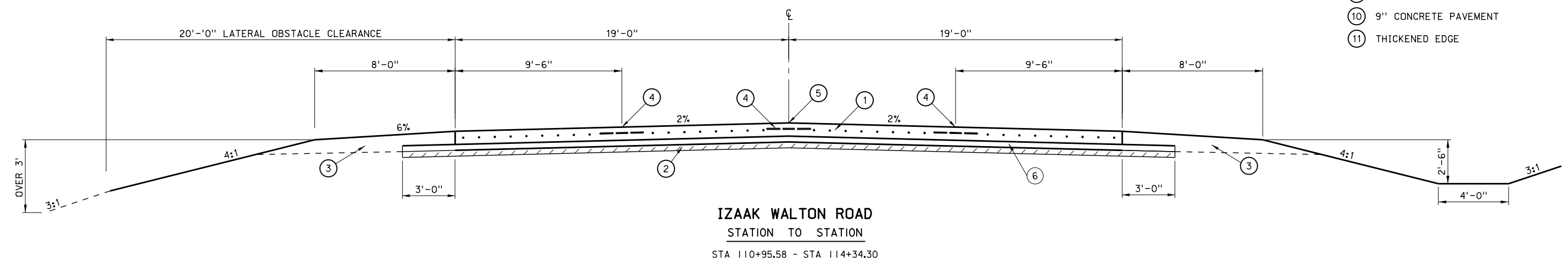


APPROVED:	SEWARD CITY
_____	DATE

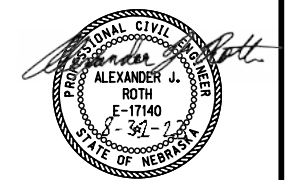
# TYPICAL CROSS SECTIONS

## LEGEND

- ① 9" DOWELED CONCRETE PAVEMENT
- ② SUBGRADE PREPARATION
- ③ EARTH SHOULDER CONSTRUCTION
- ④ LONGITUDINAL JOINT W/ TIE BAR
- ⑤ PROFILE GRADE
- ⑥ 4" FOUNDATION COURSE
- ⑦ 2" CRUSHED ROCK SURFACING
- ⑧ CRUSHED ROCK EMBEDMENT
- ⑨ TURF SHOULDER
- ⑩ 9" CONCRETE PAVEMENT
- ⑪ THICKENED EDGE



NOTE:  
SUBGRADE PREPARATION FOR SIDE STREET INTERSECTION RETURNS WILL BE INCLUDED WITH THE QUANTITY "SUBGRADE PREPARATION". THESE INTERSECTION RETURNS WILL NOT BE INCLUDED WITH THE ITEM "PREPARATION OF INTERSECTIONS AND DRIVEWAYS".



FOR DETAILS NOT SHOWN  
SEE PLANS 301 & 329

ROADWAY DESIGN DIVISION.

Computer: LINMEGANS

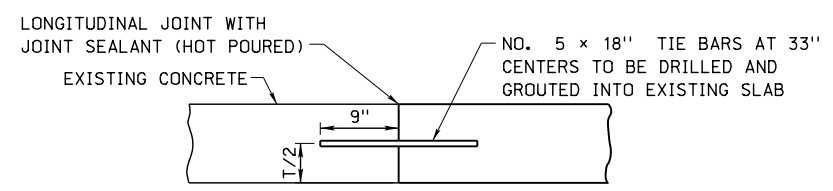
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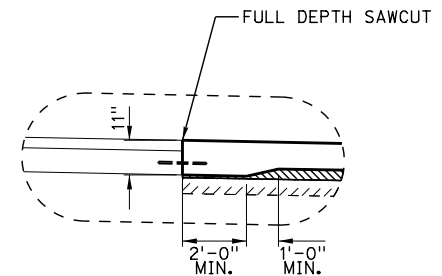
# TYPICAL CROSS SECTIONS

## LEGEND

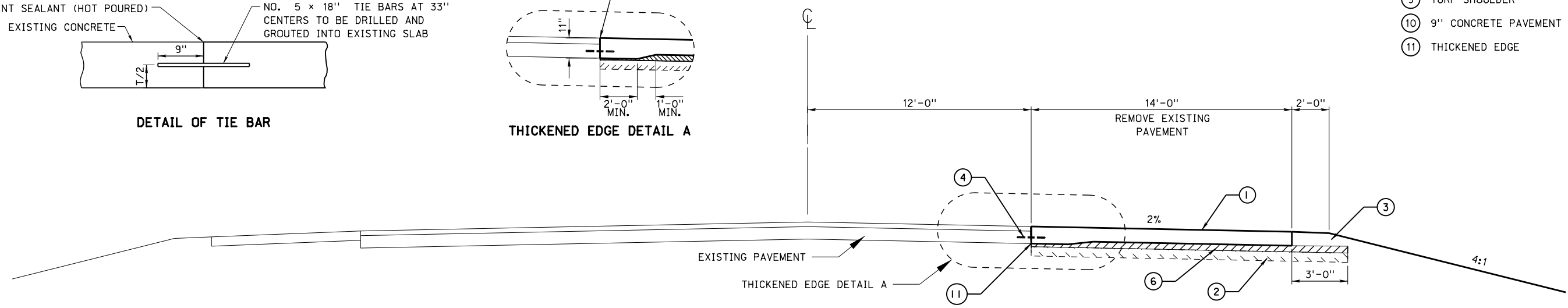
- ① 9" DOWELED CONCRETE PAVEMENT
- ② SUBGRADE PREPARATION
- ③ EARTH SHOULDER CONSTRUCTION
- ④ LONGITUDINAL JOINT W/ TIE BAR
- ⑤ PROFILE GRADE
- ⑥ 4" FOUNDATION COURSE
- ⑦ 2" CRUSHED ROCK SURFACING
- ⑧ CRUSHED ROCK EMBEDMENT
- ⑨ TURF SHOULDER
- ⑩ 9" CONCRETE PAVEMENT
- ⑪ THICKENED EDGE



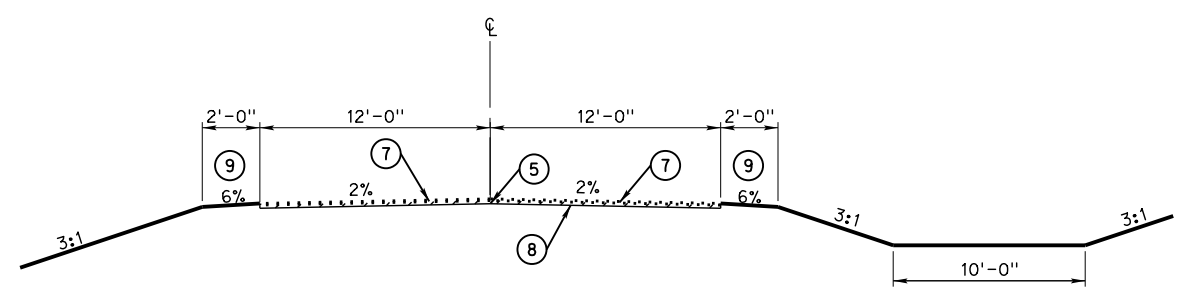
DETAIL OF TIE BAR



THICKENED EDGE DETAIL A

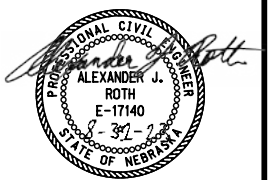


**HIGHWAY N-15**  
STATION TO STATION  
STA 307+33.35 - 310+16.40



**IZAAK WALTON ROAD & BNSF DRIVE**  
STATION TO STATION  
STA 115+44.07 - STA 117+53.40  
STA 501+03.41 - STA 503+12.12

FOR DETAILS NOT SHOWN  
SEE PLANS 301 & 329



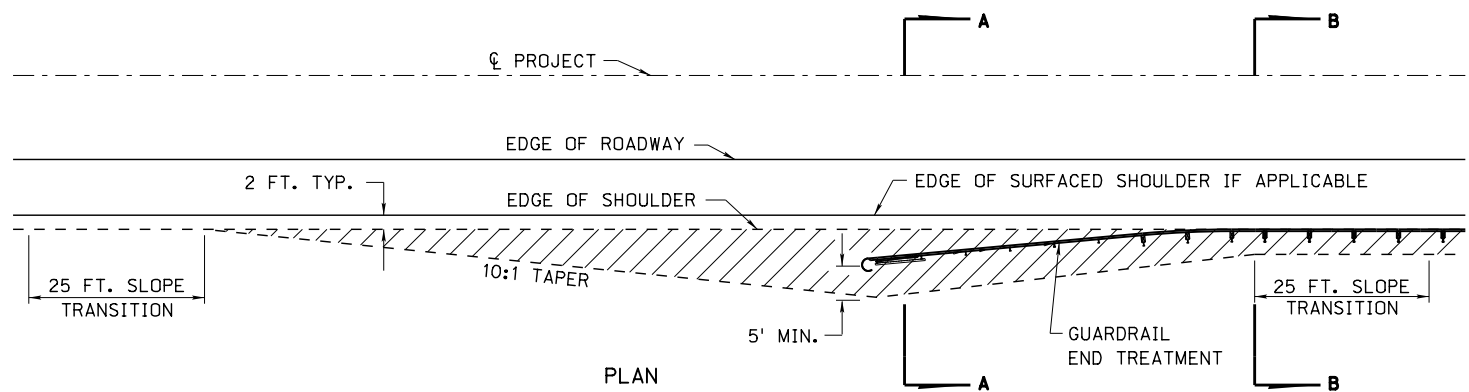
ROADWAY DESIGN DIVISION.

Computer: LINMEGANS

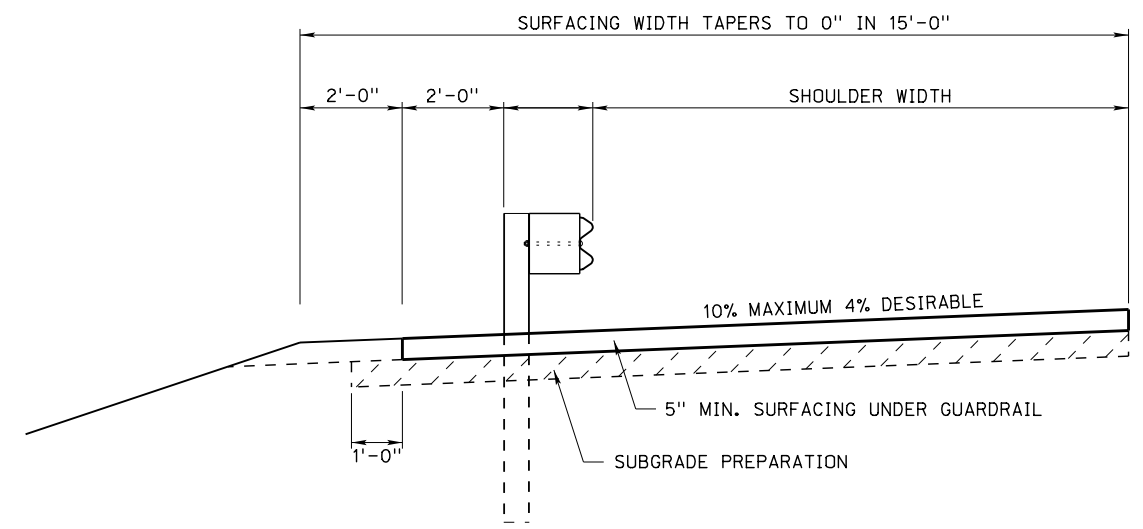
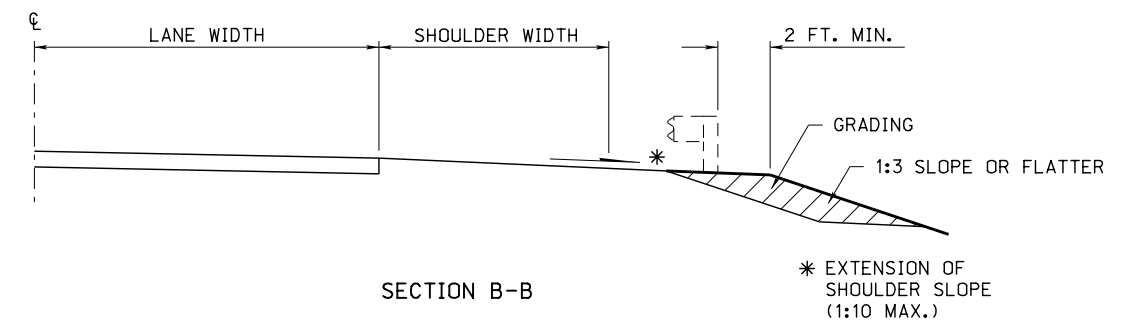
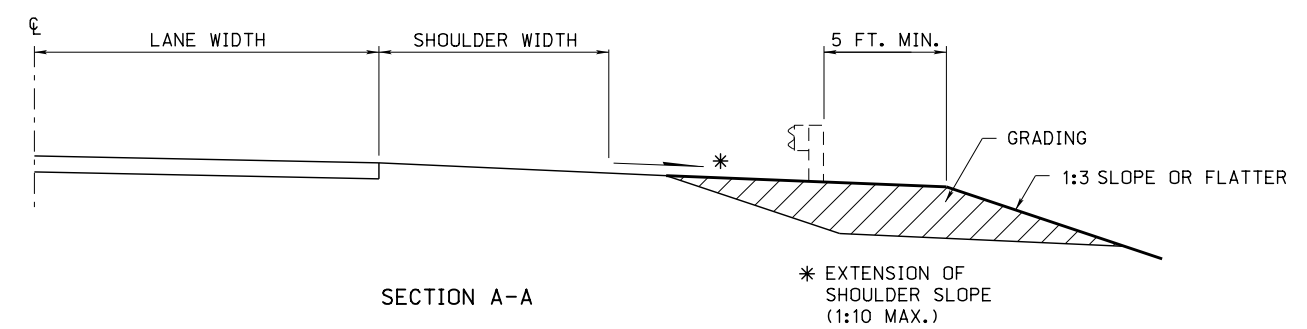
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# TYPICAL CROSS SECTIONS



GRADING FOR GUARDRAIL END TREATMENTS



ROADWAY DESIGN DIVISION.

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# S U M M A R Y   O F   Q U A N T I T I E S

ROADWAY DESIGN DIVISION.

## GRADING GROUP 1

ITEM	QUANTITY	UNITS
TRAFFIC CONTROL MOBILIZATION	1	LUMP SUM
LARGE TREE REMOVAL	1	EACH
GENERAL CLEARING AND GRUBBING	1	LUMP SUM
EARTHWORK MEASURED IN EMBANKMENT WATER	8,057	CUBIC YARDS
	81	MGALLON
SALVAGING AND PLACING TOPSOIL	8,241	SQUARE YARDS
REMOVE PAVEMENT	2,056	SQUARE YARDS
SAWING PAVEMENT	568	LINEAL FEET
STABILIZED CONSTRUCTION EXIT	1	EACH
REMOVE GUARDRAIL	187.5	LINEAL FEET

## DRAINAGE GROUP 4

ITEM	QUANTITY	UNITS
EXCAVATION FOR PIPE, PIPE ARCH CULVERTS, AND HEADWALLS	917	CUBIC YARDS
CLASS 47B-3000 CONCRETE FOR CONCRETE COLLARS	1.16	CUBIC YARDS
REINFORCING STEEL FOR COLLARS	68	POUNDS
24" METAL FLARED-END SECTION	1	EACH
24" CONCRETE FLARED-END SECTION	2	EACH
48" CONCRETE FLARED-END SECTION	1	EACH
24" CULVERT PIPE, TYPE 2	257	LINEAL FEET
24" CULVERT PIPE, TYPE 3, 4 OR 5	25	LINEAL FEET
48" CULVERT PIPE, TYPE 2	118	LINEAL FEET

## PAVEMENT MARKING & SIGNING GROUP 7

ITEM	QUANTITY	UNITS
REMOVE SIGN	1	EACH
REMOVE AND REINSTALL SIGN	10	EACH
6" WHITE PERMANENT PAVEMENT MARKING PAINT	545	LINEAL FEET
6" YELLOW PERMANENT PAVEMENT MARKING PAINT	1,754	LINEAL FEET
12" YELLOW PERMANENT PAVEMENT MARKING PAINT	34	LINEAL FEET
12" WHITE PERMANENT PAVEMENT MARKING PAINT	26	LINEAL FEET
ARROW, PREFORMED PAVEMENT MARKING, TYPE 4	4	EACH
TEMPORARY PAVEMENT MARKING, TYPE PAINT	2,299	LINEAL FEET

## SURFACING GROUP 3

ITEM	QUANTITY	UNITS
CRUSHED ROCK EMBEDMENT	1,417	SQUARE YARDS
CRUSHED ROCK SURFACE COURSE	198	TON
SURFACING UNDER GUARDRAIL	22	SQUARE YARDS
9" CONCRETE PAVEMENT CLASS 47B-3500	474	SQUARE YARDS
9" DOWELED CONCRETE PAVEMENT CLASS 47B-3500 FOUNDATION COURSE	2,123	SQUARE YARDS
	3,108	SQUARE YARDS
EARTH SHOULDER CONSTRUCTION	8.58	STA
SUBGRADE PREPARATION	3,108	SQUARE YARDS
GUARDRAIL END TREATMENT, TYPE 11	1	EACH

## ELECTRICAL GROUP A

ITEM	QUANTITY	UNITS
PULL BOX, TYPE PB-5	5	EACH
SERVICE DISCONNECT (PROVIDED BY CITY, INSTALLED BY CONTRACTOR)	1	EACH
INSTALL LIGHT POLE (POLE PROVIDED BY CITY, INSTALLED BY CONTRACTOR)	5	EACH
1 1/2" CONDUIT, IN TRENCH	1,448	LINEAL FEET
1 1/2" CONDUIT, UNDER ROADWAY	104	LINEAL FEET
1 1/2" CONDUIT, JACKED	97	LINEAL FEET
STREET LIGHTING CABLE, NO. 6 BARE	1,649	LINEAL FEET
STREET LIGHTING CABLE, NO. 6 USE	3,298	LINEAL FEET

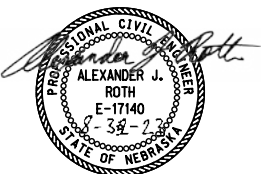
## EROSION CONTROL GROUP L

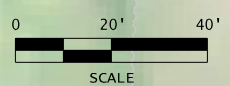
ITEM	QUANTITY	UNITS
SEEDING, TYPE B	1.70	ACRES
EROSION CONTROL, CLASS 1D	8,241	SQUARE YARDS
FABRIC SILT FENCE 'LOW POROSITY'	812	LINEAL FEET
SWPPP SIGN	1	EACH

Computer: LINMEGANS

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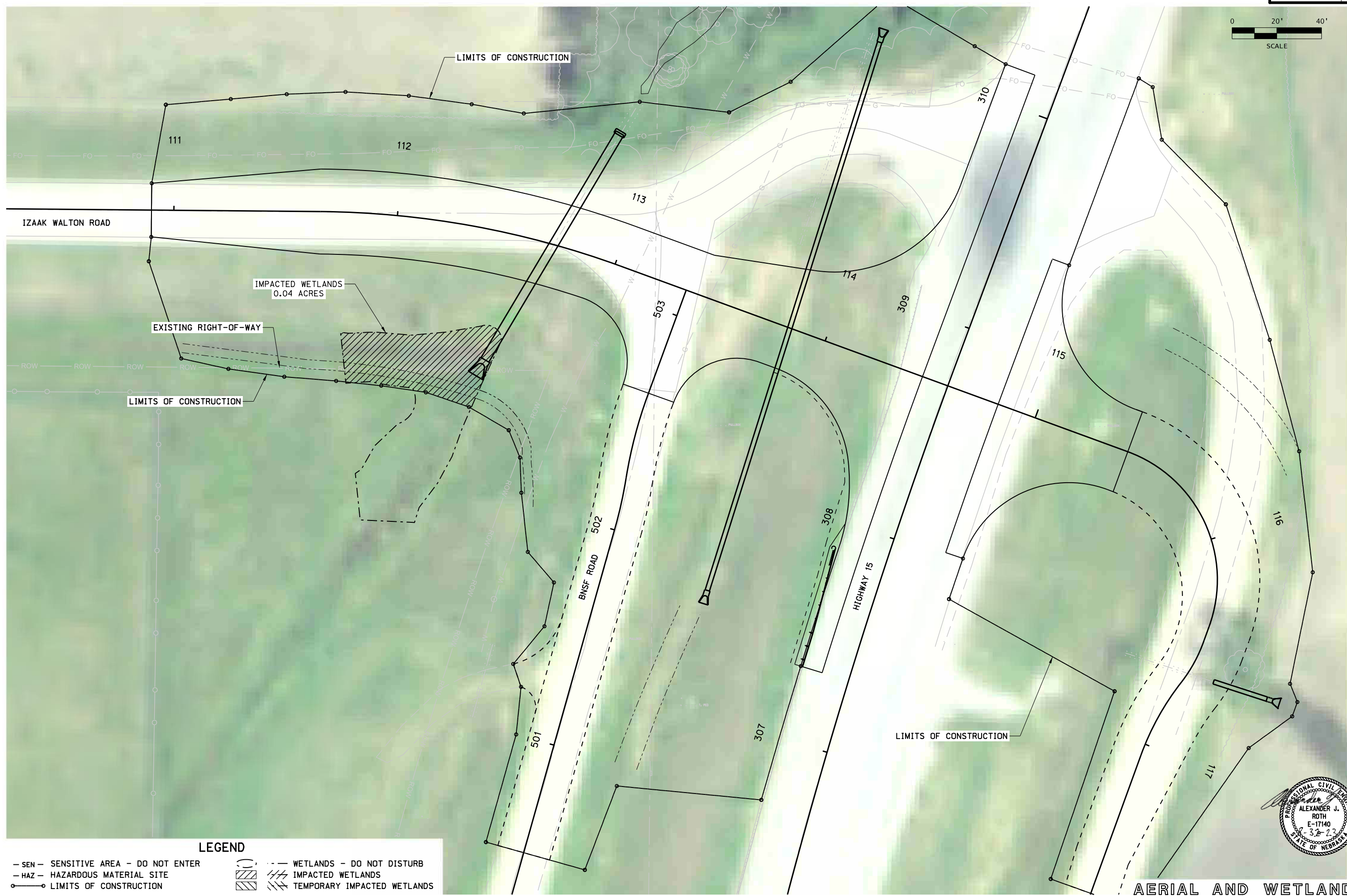


ROADWAY DESIGN DIVISION.

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**LEGEND**

- SEN - SENSITIVE AREA - DO NOT ENTER
- HAZ - HAZARDOUS MATERIAL SITE
- — LIMITS OF CONSTRUCTION
- WETLANDS - DO NOT DISTURB
- ▨ IMPACTED WETLANDS
- ▨ TEMPORARY IMPACTED WETLANDS



AERIAL AND WETLANDS

Beginning chain IZAAK\_WALT description

Point 100 N 83,039.156 E 89,537.879 Sta 100+00.00  
 Course from 100 to PC IZAAK\_WALT1 S 89° 29' 45" E Dist 1,165.585

**Curve Data**  
 \*-----\*  
 Curve IZAAK\_WALT1  
 P.I. Station = 112+34.66 N 83,028.293 E 90,772.490  
 Delta = 19° 35' 19" (RT)  
 Degree = 14° 19' 26"  
 Tangent = 136.799  
 Length = 400.000  
 Radius = 5.920  
 External = 136.153  
 Long Chord = 5.834  
 Mid. Ord. = 111+65.33 N 83,028.900 E 90,703.419  
 P.T. Station = 113+02.38 N 83,004.556 E 90,837.357  
 C.C. = 82,628.916 E 90,699.899  
 Back = S 89° 29' 45" E  
 Ahead = S 69° 54' 03" E  
 Chord Bear = S 79° 41' 54" E

Course from PT IZAAK\_WALT1 to PC IZAAK\_WALT2 S 69° 54' 03" E Dist 241.688

**Curve Data**  
 \*-----\*  
 Curve IZAAK\_WALT2  
 P.I. Station = 116+05.07 N 82,900.538 E 91,121.612  
 Delta = 90° 00' 30" (RT)  
 Degree = 93° 55' 39"  
 Tangent = 61.000  
 Length = 95.819  
 Radius = 61.000  
 External = 25.267  
 Long Chord = 86.267  
 Mid. Ord. = 115+17.866 N 82,921.500 E 91,064.327  
 P.T. Station = 116+39.89 N 82,843.253 E 91,100.649  
 C.C. = 82,864.215 E 91,043.364  
 Back = S 69° 54' 03" E  
 Ahead = S 20° 05' 57" W  
 Chord Bear = S 24° 54' 03" E

Course from PT IZAAK\_WALT2 to PC IZAAK\_WALT3 S 20° 05' 57" W Dist 6.526

**Curve Data**  
 \*-----\*  
 Curve IZAAK\_WALT3  
 P.I. Station = 116+57.13 N 82,826.982 E 91,094.962  
 Delta = 19° 17' 55" (RT)  
 Degree = 90° 56' 44"  
 Tangent = 10.711  
 Length = 21.220  
 Radius = 63.000  
 External = 0.904  
 Long Chord = 21.120  
 Mid. Ord. = 116+46.42 N 82,837.124 E 91,098.407  
 P.T. Station = 116+67.64 N 82,818.547 E 91,088.359  
 C.C. = 82,857.384 E 91,038.753  
 Back = S 18° 45' 32" W  
 Ahead = S 38° 03' 27" W  
 Chord Bear = S 28° 24' 29" W

**Curve Data**  
 \*-----\*  
 Curve IZAAK\_WALT4  
 P.I. Station = 116+86.60 N 82,803.619 E 91,076.671  
 Delta = 18° 06' 19" (LT)  
 Degree = 48° 08' 52"  
 Tangent = 18.960  
 Length = 37.604  
 Radius = 119.000  
 External = 1.500  
 Long Chord = 37.448  
 Mid. Ord. = 116+67.64 N 82,818.547 E 91,088.359  
 P.T. Station = 117+05.24 N 82,785.797 E 91,070.201  
 C.C. = 82,745.190 E 91,182.059  
 Back = S 38° 03' 27" W  
 Ahead = S 19° 57' 07" W  
 Chord Bear = S 29° 00' 17" W

Course from PT IZAAK\_WALT4 to PC IZAAK\_WALT5 S 19° 57' 07" W Dist 60.511

**Curve Data**  
 \*-----\*  
 Curve IZAAK\_WALT5  
 P.I. Station = 120+50.14 N 82,461.603 E 90,952.512  
 Delta = 18° 59' 37" (LT)  
 Degree = 3° 22' 13"  
 Tangent = 284.384  
 Length = 563.549  
 Radius = 1,700.000  
 External = 23.622  
 Long Chord = 560.972  
 Mid. Ord. = 117+65.75 N 82,728.917 E 91,049.553  
 P.T. Station = 123+29.30 N 82,177.259 E 90,947.754  
 C.C. = 82,148.820 E 92,647.516  
 Back = S 19° 57' 07" W  
 Ahead = S 0° 57' 31" W  
 Chord Bear = S 10° 27' 19" W

Course from PT IZAAK\_WALT5 to 101 S 0° 57' 31" W Dist 116.336

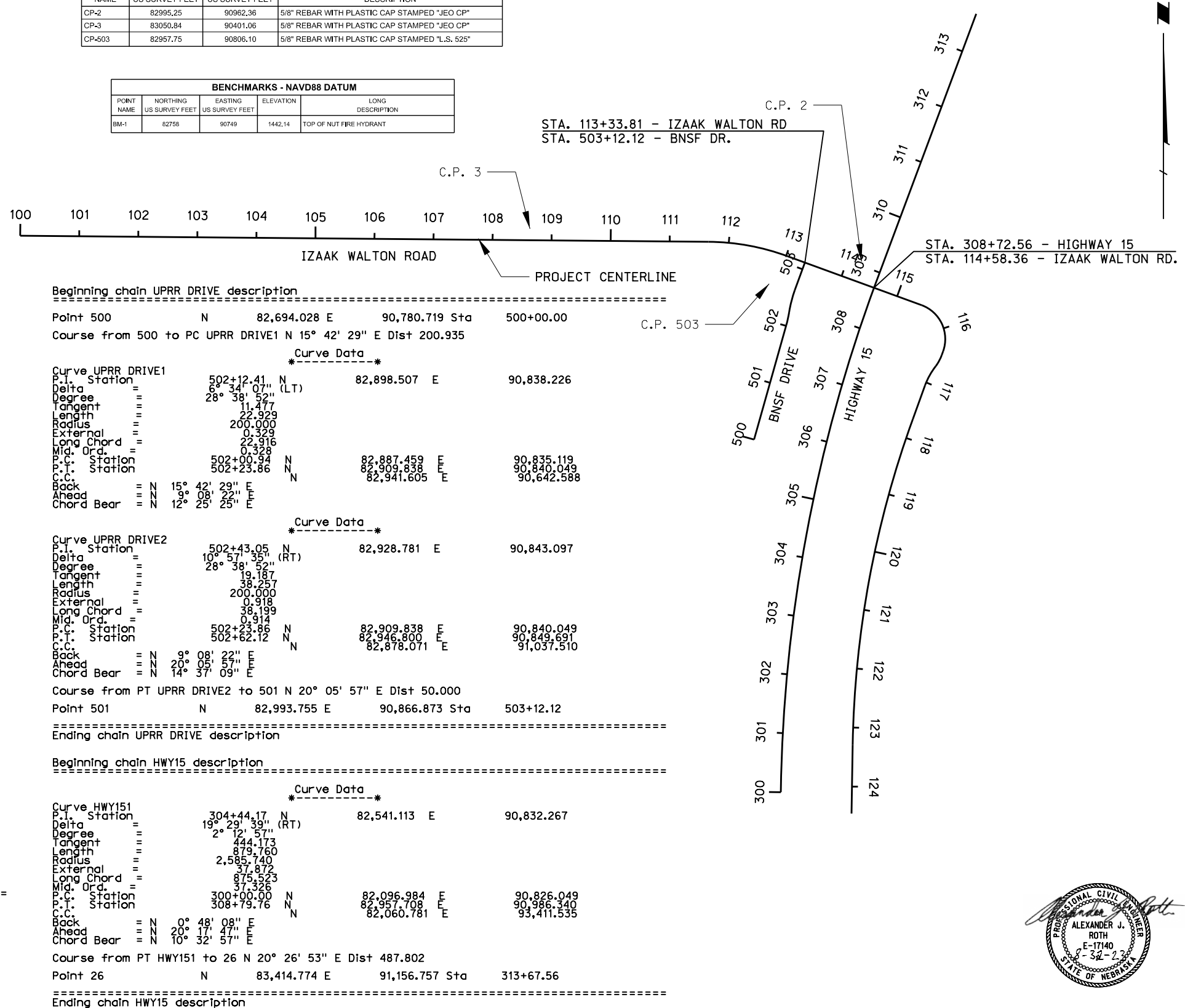
Point 101 N 82,060.940 E 90,945.808 Sta 124+45.64

Ending chain IZAAK\_WALT description

SEWARD COUNTY LOW DISTORTION PROJECTION			
PROJECTION: LAMBERT CONFORMAL CONIC - 1 STANDARD PARALLEL			
SCALE FACTOR: 1.0000661			
CENTRAL MERIDIAN: -97°08'00"			
STANDARD PARALLEL: 40°51'00"			
FALSE NORTHING: 20,000 METERS (65,616.667 US FEET)			
FALSE EASTING: 25,000 METERS (82,020.833 US FEET)			
POINT NAME	NORTHING US SURVEY FEET	EASTING US SURVEY FEET	LONG DESCRIPTION
CP-2	82995.25	90962.36	5/8" REBAR WITH PLASTIC CAP STAMPED "JEO CP"
CP-3	83050.84	90401.06	5/8" REBAR WITH PLASTIC CAP STAMPED "JEO CP"
CP-503	82957.75	90806.10	5/8" REBAR WITH PLASTIC CAP STAMPED "L.S. 525"

BENCHMARKS - NAVD88 DATUM				
POINT NAME	NORTHING US SURVEY FEET	EASTING US SURVEY FEET	ELEVATION	LONG DESCRIPTION
BM-1	82758	90749	1442.14	TOP OF NUT FIRE HYDRANT

GEOPAK ALIGNMENT INFORMATION		
ALIGNMENT	CHAIN	PROFILE
IZAAK WALTON ROAD	IZAAK_WALT	IZAAK_WEST_P
BNSF DRIVE	UPRR_DRIVE	UPRR_FRONT_P
HIGHWAY 15	HWY15	-



Beginning chain UPRR DRIVE description

Point 500 N 82,694.028 E 90,780.719 Sta 500+00.00  
 Course from 500 to PC UPRR DRIVE1 N 15° 42' 29" E Dist 200.935

**Curve Data**  
 \*-----\*  
 Curve UPRR DRIVE1  
 P.I. Station = 502+12.41 N 82,898.507 E 90,838.226  
 Delta = 6° 34' 07" (LT)  
 Degree = 28° 38' 52"  
 Tangent = 11.477  
 Length = 22.929  
 Radius = 200.000  
 External = 0.329  
 Long Chord = 22.916  
 Mid. Ord. = 502+00.94 N 82,887.459 E 90,835.119  
 P.T. Station = 502+23.86 N 82,909.838 E 90,840.049  
 C.C. = 82,941.605 E 90,642.588  
 Back = N 15° 42' 29" E  
 Ahead = N 9° 08' 22" E  
 Chord Bear = N 12° 25' 25" E

**Curve Data**  
 \*-----\*  
 Curve UPRR DRIVE2  
 P.I. Station = 502+43.05 N 82,928.781 E 90,843.097  
 Delta = 10° 57' 35" (RT)  
 Degree = 28° 38' 52"  
 Tangent = 19.187  
 Length = 38.057  
 Radius = 200.000  
 External = 0.918  
 Long Chord = 38.199  
 Mid. Ord. = 502+23.86 N 82,909.838 E 90,840.049  
 P.T. Station = 502+62.12 N 82,946.800 E 90,849.691  
 C.C. = 82,878.071 E 91,037.510  
 Back = N 9° 08' 22" E  
 Ahead = N 20° 05' 57" W  
 Chord Bear = N 14° 37' 09" E

Course from PT UPRR DRIVE2 to 501 N 20° 05' 57" E Dist 50.000

Point 501 N 82,993.755 E 90,866.873 Sta 503+12.12

Ending chain UPRR DRIVE description

Beginning chain HWY15 description

**Curve Data**  
 \*-----\*  
 Curve HWY151  
 P.I. Station = 304+44.17 N 82,541.113 E 90,832.267  
 Delta = 19° 29' 39" (RT)  
 Degree = 2° 12' 57"  
 Tangent = 44.773  
 Length = 879.760  
 Radius = 2,585.740  
 External = 37.872  
 Long Chord = 875.523  
 Mid. Ord. = 308+79.76 N 82,096.984 E 90,826.049  
 P.T. Station = 300+00.00 N 82,957.708 E 90,986.340  
 C.C. = 82,060.781 E 93,411.535  
 Back = N 0° 48' 08" E  
 Ahead = N 20° 17' 47" E  
 Chord Bear = N 10° 32' 57" E

Course from PT HWY151 to 26 N 20° 26' 53" E Dist 487.802

Point 26 N 83,414.774 E 91,156.757 Sta 313+67.56

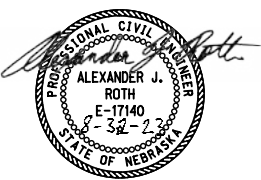
Ending chain HWY15 description

ROADWAY DESIGN DIVISION.

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Date: 31-AUG-2023 09:55

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 Scale: 1:200



HORIZONTAL ALIGNMENT & CONTROL

# GENERAL INFORMATION

## LEGEND

- G --- GAS LINE
- E ---- ELECTRICAL SERVICE
- P --- POWER LINE
- OP --- OVERHEAD POWER LINE
- SAN --- SANITARY SEWER
- SS --- STORM SEWER
- T --- TELEPHONE LINE
- FO --- FIBER OPTIC TELE. LINE
- OT --- OVERHEAD TELEPHONE LINE
- TV --- CABLE TV LINE
- OTV --- OVERHEAD CABLE TV LINE
- W --- WATER LINE
- FENCE - CHAIN LINK
- × FENCE - R.O.W. OR WIRE
- FENCE - WOOD
- FLOWLINE
- CENTER LINE DRIVE
- Ⓜ BENCH MARK
- Ⓢ CENTER PIVOT
- Ⓢ CONTROL POINT
- XXXXXXXXX DIKE
- Ⓢ GAS METER
- ⊗ GAS VALVE
- ⊕ GRID TICK
- GUARDRAIL
- GUARD POST
- GUY POLE
- GUY WIRE
- ⊛ OR □ LIGHT POLE
- MAILBOX
- Ⓢ MANHOLE
- ⊕ MARSH
- OIL WELL
- ⬡ PHOTO CODE POINT
- Ⓢ POWER BOX
- Ⓢ POWER POLE
- Ⓢ POWER PULL BOX
- Ⓢ PROPANE TANK
- Ⓢ R.O.W. MARKER
- Ⓢ ADVANCED R.R. WARNING SIGN
- Ⓢ RAILROAD WARNING
- Ⓢ RAILROAD TRACKS
- Ⓢ RETAINING WALL
- Ⓢ SATELLITE DISH
- Ⓢ SIGN
- Ⓢ TRAFFIC SIGNAL
- Ⓢ TRAFFIC SIGNAL/ST. LIGHT
- Ⓢ TELEPHONE BOX
- Ⓢ TELE. FIBER OPTICS BOX
- Ⓢ TELEPHONE PULL BOX
- Ⓢ TELEPHONE POLE
- Ⓢ TELEVISION BOX
- Ⓢ TREE - CONIFEROUS
- Ⓢ TREE - DECIDUOUS
- Ⓢ TREE STUMP
- Ⓢ WATER (FIRE) HYDRANT
- Ⓢ WATER VALVE
- Ⓢ WATER METER
- Ⓢ WELL
- Ⓢ WINDMILL

CULVERT PIPE LEGEND		
TYPE	DESCRIPTION	
1	RCSP	Reinforced Concrete Sewer Pipe
2	RCP	Reinforced Concrete Pipe
3	GCCMP	Galvanized (zinc) Coated Corrugated Metal Pipe
4	ACCMP	Aluminum Coated Corrugated Metal Pipe
5	PCCMP	Polymer Coated Corrugated Metal Pipe
6	HDPE-CI	High Density Polyethylene (corrugated Interior)
7	HDPE-SI	High Density Polyethylene (smooth Interior)
8	PVC	Polyvinyl Chloride Pipe

EARTHWORK QUANTITIES			
STATION	TO	STATION	
			EXCAVATION AVAILABLE (CU. YDS.)
			EARTHWORK MEASURED IN EMBANKMENT (CU. YDS.)
110+95.58	-	115+44.07	353
TOTAL			8,057

VOLUMES COMPUTED FROM GRADING TERRAIN MODEL  
 EARTHWORK MEASURED IN EMBANKMENT IS AN ESTABLISHED QUANTITY  
 NO BALANCE FACTOR APPLIED

## NOTES

The location of all aerial and underground utility facilities may not be indicated in these plans. Underground utilities, whether indicated or not will be located and flagged by the utilities at the request of the contractor. Utilities are located within the project area. Any utility relocation will be at the contractors expense. Nebraska One Call will be utilized.

No excavation will be permitted in the area of underground utility facilities until all such facilities have been located and identified to the satisfaction of all parties. The excavation must be accomplished with extreme care in order to avoid any possibility of damage to the utility facility.

The Contractor will be required to furnish Borrow on this Project.

The Contractor shall furnish and maintain all necessary barricades, warning signs, lights and flaggers per the MUTCD and NDOT Standard Specifications. The Contractor shall inspect and verify all appropriate barricades and signs are placed accordingly and upright at the end of each construction day, or as directed by the Engineer.

Contractor must maintain through traffic on Highway 15 at all times.

Prior to construction, Contractor shall submit to the City Engineer for approval a traffic control plan and construction schedule for road closure. Contractor must give 48 hours notice prior to pavement or tree removals to the City Engineer.

Contractor to remove, salvage and reset any necessary traffic signs in their original location, unless noted otherwise.

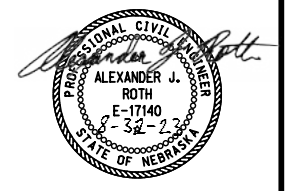
Concrete washout stations shall be constructed as needed during the paving operations. This shall be considered subsidiary to other items receiving direct payment.

ROADWAY DESIGN DIVISION.

Computer: LINMEGANS

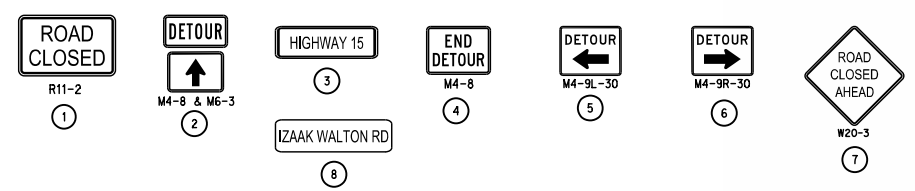
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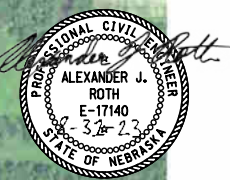




SIGN TYPES



— SIGN STAND OR SIGN MOUNTED ON WOOD POST  
 █ BARRICADE, TYPE III; WITH TYPE "A" LIGHT

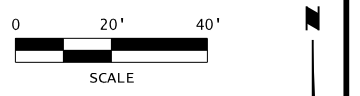


DETOUR ROUTE

ROADWAY DESIGN DIVISION.

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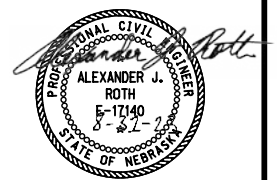
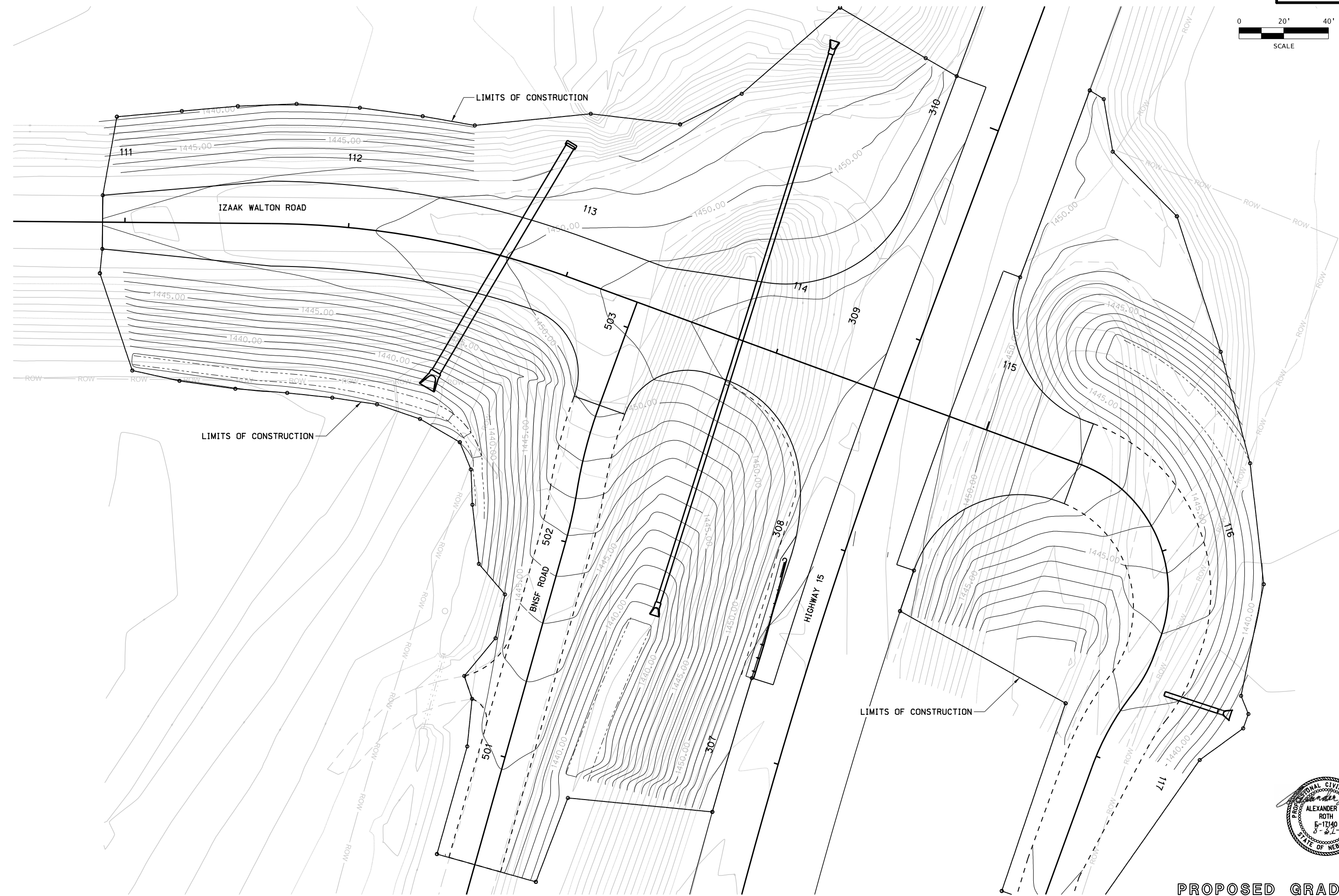


ROADWAY DESIGN DIVISION.

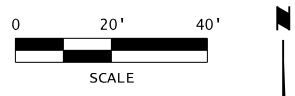
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PROPOSED GRADING



ROADWAY DESIGN DIVISION.

Computer: LIMMIGANS

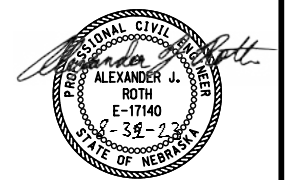
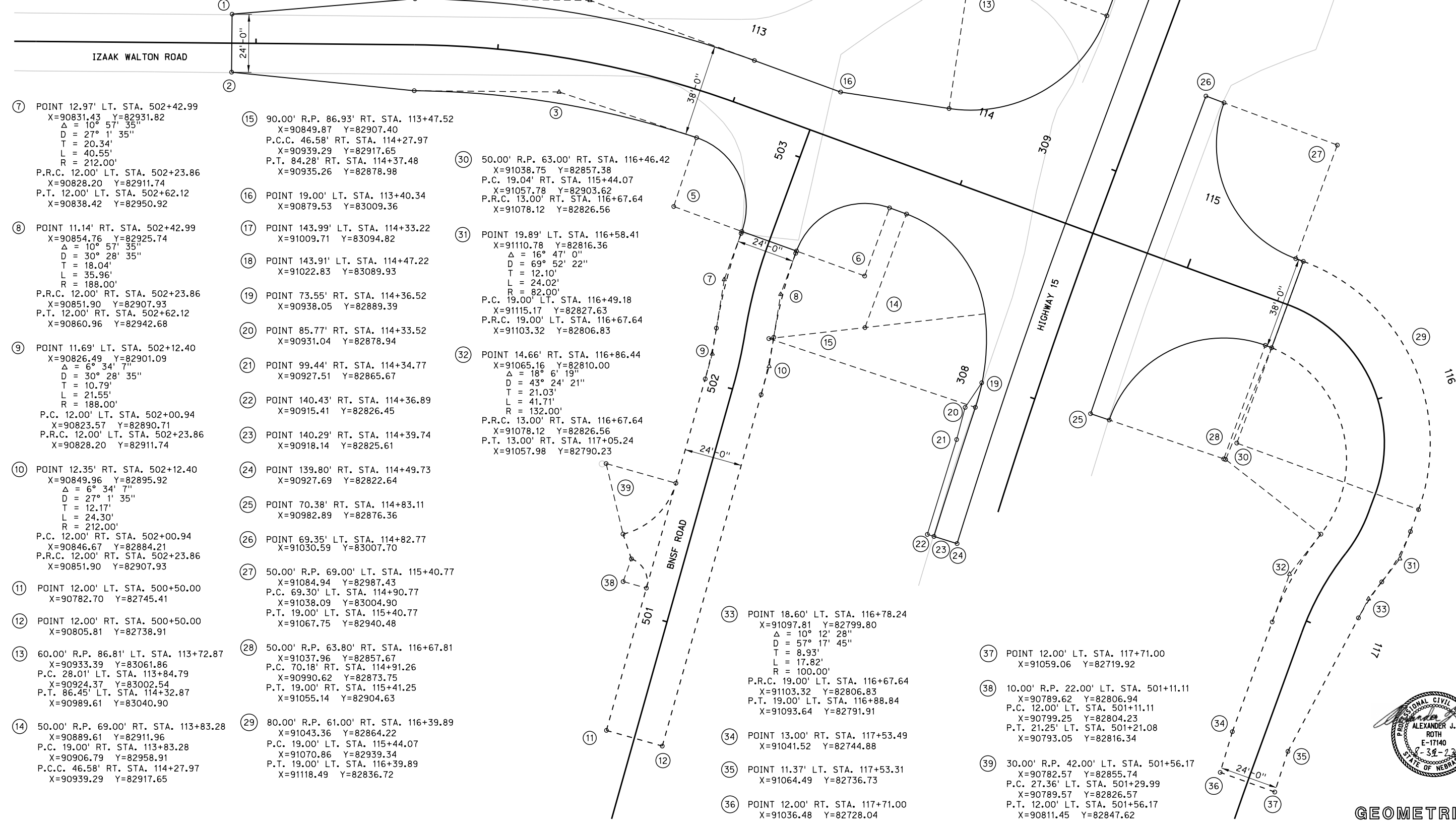
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File: 09193001c0g01.dgn Scale: 1:40

- ① POINT 12.00' LT. STA. 110+90.00  
X=90627.94 Y=83041.56
- ② POINT 12.00' RT. STA. 110+90.00  
X=90627.73 Y=83017.57
- ③ POINT 14.32' RT. STA. 112+27.96  
X=90763.15 Y=83009.37  
Δ = 17° 52' 9"  
D = 15° 2' 18"  
T = 59.90'  
L = 118.83'  
R = 381.00'  
P.C. 19.00' RT. STA. 111+65.58  
X=90703.25 Y=83009.90  
P.C.C. 19.00' RT. STA. 112+90.34  
X=90819.99 Y=82990.49
- ④ POINT 25.20' LT. STA. 112+33.98  
X=90775.94 Y=83047.26  
Δ = 19° 35' 42"  
D = 13° 40' 28"  
T = 72.36'  
L = 143.30'  
R = 419.00'  
P.C. 19.00' LT. STA. 111+65.58  
X=90703.59 Y=83047.90  
P.T. 19.00' LT. STA. 113+02.38  
X=90843.89 Y=83022.40
- ⑤ 30.00' R.P. 49.00' RT. STA. 112+90.34  
X=90810.54 Y=82962.02  
P.C.C. 19.00' RT. STA. 112+90.34  
X=90819.99 Y=82990.49  
P.R.C. 12.00' LT. STA. 502+62.96  
X=90838.71 Y=82951.71
- ⑥ 30.00' R.P. 49.00' RT. STA. 113+75.81  
X=90889.48 Y=82933.31  
P.C.C. 12.00' RT. STA. 502+63.12  
X=90861.30 Y=82943.62  
P.T. 19.00' RT. STA. 113+75.81  
X=90899.79 Y=82961.48

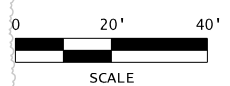
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X=90831.43 Y=82931.82  
Δ = 10° 57' 35"  
D = 27° 1' 35"  
T = 20.34'  
L = 40.55'  
R = 212.00'  
P.R.C. 12.00' LT. STA. 502+23.86  
X=90828.20 Y=82911.74  
P.T. 12.00' LT. STA. 502+62.12  
X=90838.42 Y=82950.92
- ⑧ POINT 11.14' RT. STA. 502+42.99  
X=90854.76 Y=82925.74  
Δ = 10° 57' 35"  
D = 30° 28' 35"  
T = 18.04'  
L = 35.96'  
R = 188.00'  
P.R.C. 12.00' RT. STA. 502+23.86  
X=90851.90 Y=82907.93  
P.T. 12.00' RT. STA. 502+62.12  
X=90860.96 Y=82942.68
- ⑨ POINT 11.69' LT. STA. 502+12.40  
X=90826.49 Y=82901.09  
Δ = 6° 34' 7"  
D = 30° 28' 35"  
T = 10.79'  
L = 21.55'  
R = 188.00'  
P.C. 12.00' LT. STA. 502+00.94  
X=90823.57 Y=82890.71  
P.R.C. 12.00' LT. STA. 502+23.86  
X=90828.20 Y=82911.74
- ⑩ POINT 12.35' RT. STA. 502+12.40  
X=90849.96 Y=82895.92  
Δ = 6° 34' 7"  
D = 27° 1' 35"  
T = 12.17'  
L = 24.30'  
R = 212.00'  
P.C. 12.00' RT. STA. 502+00.94  
X=90846.67 Y=82884.21  
P.R.C. 12.00' RT. STA. 502+23.86  
X=90851.90 Y=82907.93
- ⑪ POINT 12.00' LT. STA. 500+50.00  
X=90782.70 Y=82745.41
- ⑫ POINT 12.00' RT. STA. 500+50.00  
X=90805.81 Y=82738.91
- ⑬ 60.00' R.P. 86.81' LT. STA. 113+72.87  
X=90933.39 Y=83061.86  
P.C. 28.01' LT. STA. 113+84.79  
X=90924.37 Y=83002.54  
P.T. 86.45' LT. STA. 114+32.87  
X=90989.61 Y=83040.90
- ⑭ 50.00' R.P. 69.00' RT. STA. 113+83.28  
X=90889.61 Y=82911.96  
P.C. 19.00' RT. STA. 113+83.28  
X=90906.79 Y=82958.91  
P.C.C. 46.58' RT. STA. 114+27.97  
X=90939.29 Y=82917.65
- ⑮ 90.00' R.P. 86.93' RT. STA. 113+47.52  
X=90849.87 Y=82907.40  
P.C.C. 46.58' RT. STA. 114+27.97  
X=90939.29 Y=82917.65  
P.T. 84.28' RT. STA. 114+37.48  
X=90935.26 Y=82878.98
- ⑯ POINT 19.00' LT. STA. 113+40.34  
X=90879.53 Y=83009.36
- ⑰ POINT 143.99' LT. STA. 114+33.22  
X=91009.71 Y=83094.82
- ⑱ POINT 73.55' RT. STA. 114+36.52  
X=90938.05 Y=82889.39
- ⑳ POINT 85.77' RT. STA. 114+33.52  
X=90931.04 Y=82878.94
- ㉑ POINT 99.44' RT. STA. 114+34.77  
X=90927.51 Y=82865.67
- ㉒ POINT 140.43' RT. STA. 114+36.89  
X=90915.41 Y=82826.45
- ㉓ POINT 140.29' RT. STA. 114+39.74  
X=90918.14 Y=82825.61
- ㉔ POINT 139.80' RT. STA. 114+49.73  
X=90927.69 Y=82822.64
- ㉕ POINT 70.38' RT. STA. 114+83.11  
X=90982.89 Y=82876.36
- ㉖ POINT 69.35' LT. STA. 114+82.77  
X=91030.59 Y=83007.70
- ㉗ 50.00' R.P. 69.00' LT. STA. 115+40.77  
X=91084.94 Y=82987.43  
P.C. 69.30' LT. STA. 114+90.77  
X=91038.09 Y=83004.90  
P.T. 19.00' LT. STA. 115+40.77  
X=91067.75 Y=82940.48
- ㉘ 50.00' R.P. 63.80' RT. STA. 116+67.81  
X=91037.96 Y=82857.67  
P.C. 70.18' RT. STA. 114+91.26  
X=90990.62 Y=82873.75  
P.T. 19.00' RT. STA. 115+41.25  
X=91055.14 Y=82904.63
- ㉙ 80.00' R.P. 61.00' RT. STA. 116+39.89  
X=91043.36 Y=82864.22  
P.C. 19.00' LT. STA. 115+44.07  
X=91070.86 Y=82939.34  
P.T. 19.00' LT. STA. 116+39.89  
X=91118.49 Y=82836.72
- ⑳ 50.00' R.P. 63.00' RT. STA. 116+46.42  
X=91038.75 Y=82857.38  
P.C. 19.04' RT. STA. 115+44.07  
X=91057.78 Y=82903.62  
P.R.C. 13.00' RT. STA. 116+67.64  
X=91078.12 Y=82826.56
- ㉑ POINT 19.89' LT. STA. 116+58.41  
X=91110.78 Y=82816.36  
Δ = 16° 47' 0"  
D = 69° 52' 22"  
T = 12.10'  
L = 24.02'  
R = 82.00'  
P.C. 19.00' LT. STA. 116+49.18  
X=91115.17 Y=82827.63  
P.R.C. 19.00' LT. STA. 116+67.64  
X=91103.32 Y=82806.83
- ㉒ POINT 14.66' RT. STA. 116+86.44  
X=91065.16 Y=82810.00  
Δ = 18° 6' 19"  
D = 43° 24' 21"  
T = 21.03'  
L = 41.71'  
R = 132.00'  
P.R.C. 13.00' RT. STA. 116+67.64  
X=91078.12 Y=82826.56  
P.T. 13.00' RT. STA. 117+05.24  
X=91057.98 Y=82790.23

- ⑳ POINT 18.60' LT. STA. 116+78.24  
X=91097.81 Y=82799.80  
Δ = 10° 12' 28"  
D = 57° 17' 45"  
T = 8.93'  
L = 17.82'  
R = 100.00'  
P.R.C. 19.00' LT. STA. 116+67.64  
X=91103.32 Y=82806.83  
P.T. 19.00' LT. STA. 116+88.84  
X=91093.64 Y=82791.91
- ㉑ POINT 12.00' LT. STA. 117+71.00  
X=91059.06 Y=82719.92
- ㉒ 10.00' R.P. 22.00' LT. STA. 501+11.11  
X=90789.62 Y=82806.94  
P.C. 12.00' LT. STA. 501+11.11  
X=90799.25 Y=82804.23  
P.T. 21.25' LT. STA. 501+21.08  
X=90793.05 Y=82816.34
- ㉓ 30.00' R.P. 42.00' LT. STA. 501+56.17  
X=90782.57 Y=82855.74  
P.C. 27.36' LT. STA. 501+29.99  
X=90789.57 Y=82826.57  
P.T. 12.00' LT. STA. 501+56.17  
X=90811.45 Y=82847.62
- ㉔ POINT 13.00' RT. STA. 117+53.49  
X=91041.52 Y=82744.88
- ㉕ POINT 11.37' LT. STA. 117+53.31  
X=91064.49 Y=82736.73
- ㉖ POINT 12.00' RT. STA. 117+71.00  
X=91036.48 Y=82728.04



GEOMETRICS



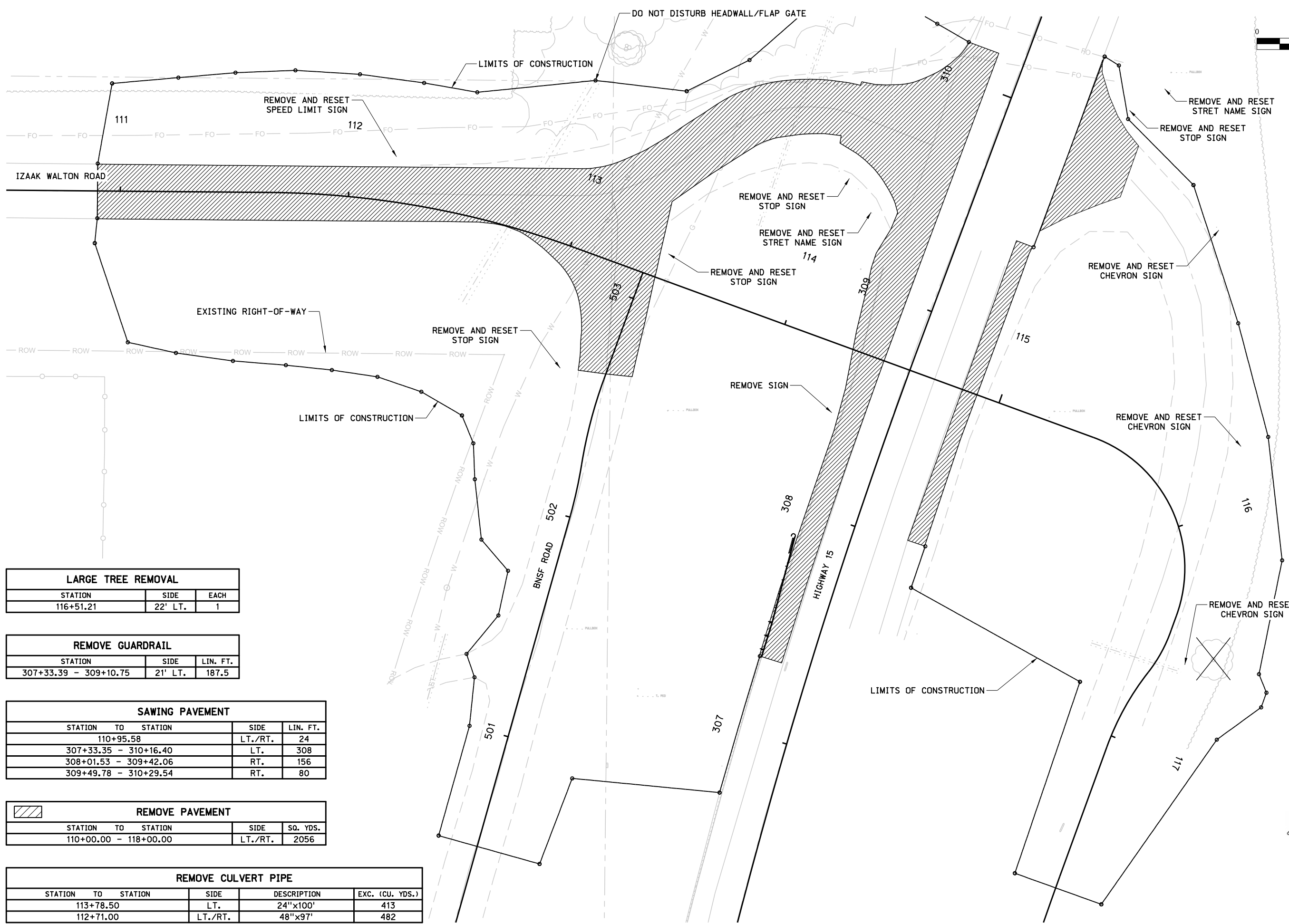


ROADWAY DESIGN DIVISION.

Computer: LIMMIGANS

Date: 31-AUG-2023 09:56

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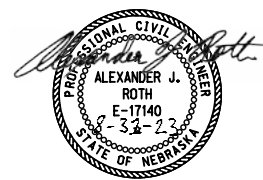
LARGE TREE REMOVAL		
STATION	SIDE	EACH
116+51.21	22' LT.	1

REMOVE GUARDRAIL		
STATION	SIDE	LIN. FT.
307+33.39 - 309+10.75	21' LT.	187.5

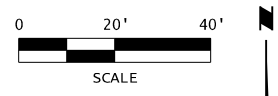
SAWING PAVEMENT				
STATION	TO	STATION	SIDE	LIN. FT.
110+95.58			LT./RT.	24
307+33.35	-	310+16.40	LT.	308
308+01.53	-	309+42.06	RT.	156
309+49.78	-	310+29.54	RT.	80

REMOVE PAVEMENT			
STATION	TO	STATION	SQ. YDS.
110+00.00	-	118+00.00	2056

REMOVE CULVERT PIPE					
STATION	TO	STATION	DESCRIPTION	EXC. (CU. YDS.)	
113+78.50			LT.	24"x100'	413
112+71.00			LT./RT.	48"x97'	482



REMOVAL

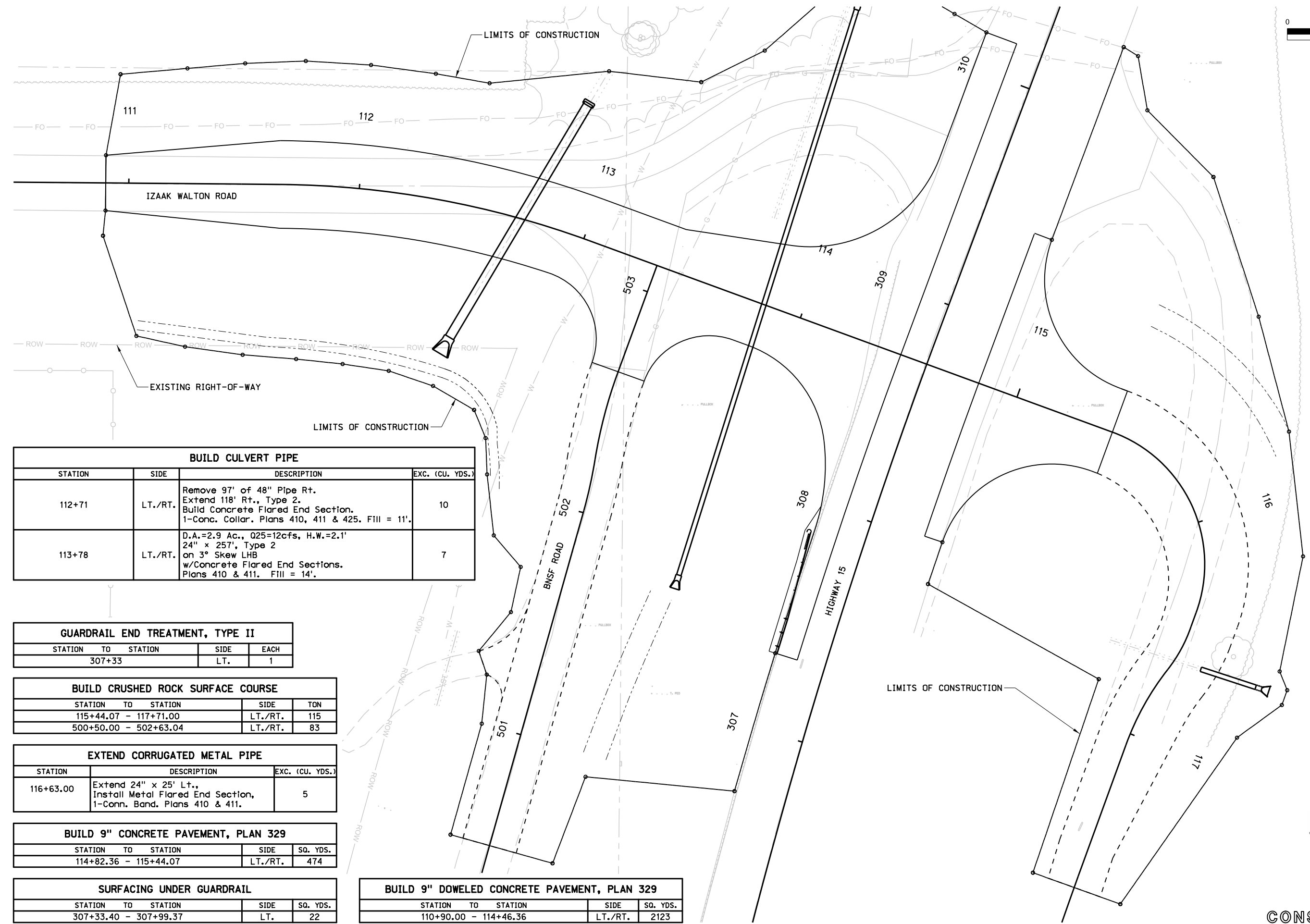


ROADWAY DESIGN DIVISION.

Computer: LIMEGANS

Date: 31-AUG-2023 09:56

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BUILD CULVERT PIPE			
STATION	SIDE	DESCRIPTION	EXC. (CU. YDS.)
112+71	LT./RT.	Remove 97' of 48" Pipe Rt. Extend 118' Rt., Type 2. Build Concrete Flared End Section. 1-Conc. Collar. Plans 410, 411 & 425. Fill = 11'.	10
113+78	LT./RT.	D.A.=2.9 Ac., Q25=12cfs, H.W.=2.1' 24" x 257', Type 2 on 3° Skew LHB w/Concrete Flared End Sections. Plans 410 & 411. Fill = 14'.	7

GUARDRAIL END TREATMENT, TYPE II			
STATION TO STATION	SIDE	EACH	
307+33	LT.	1	

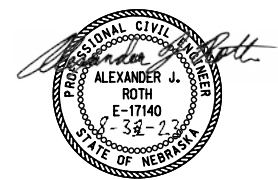
BUILD CRUSHED ROCK SURFACE COURSE			
STATION TO STATION	SIDE	TON	
115+44.07 - 117+71.00	LT./RT.	115	
500+50.00 - 502+63.04	LT./RT.	83	

EXTEND CORRUGATED METAL PIPE		
STATION	DESCRIPTION	EXC. (CU. YDS.)
116+63.00	Extend 24" x 25' Lt., Install Metal Flared End Section, 1-Conn. Band. Plans 410 & 411.	5

BUILD 9" CONCRETE PAVEMENT, PLAN 329			
STATION TO STATION	SIDE	SQ. YDS.	
114+82.36 - 115+44.07	LT./RT.	474	

SURFACING UNDER GUARDRAIL			
STATION TO STATION	SIDE	SQ. YDS.	
307+33.40 - 307+99.37	LT.	22	

BUILD 9" DOWELED CONCRETE PAVEMENT, PLAN 329			
STATION TO STATION	SIDE	SQ. YDS.	
110+90.00 - 114+46.36	LT./RT.	2123	



CONSTRUCTION

SITE INFORMATION

Estimated Start Date	CSW-202308105		
	NDEQ NOI Number		
Project Name	Address		
N/A	N/A	Seward	Seward
Subdivision Name	S&ID #	City	County
40.897592	-97.101011	Nebraska	68434
Latitude	Longitude	State	Zip Code
Total Site Area (Acres)	2.44	Estimated Permit Duration (Months)	12
Disturbed Area (Acres)	2.44		
Undisturbed Area (Acres)	0		

MAINTENANCE SCHEDULE

The following Maintenance Schedule has been provided. The INSPECTOR must perform the inspections. The OPERATOR/CONTRACTOR must perform all needed maintenance. Furthermore, all erosion control feature requiring maintenance may not be listed below. The OPERATOR/CONTRACTOR and INSPECTOR must perform their respective duties on all BMP's that are not listed below as well.

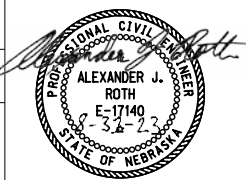
- Construction Entrance** - The entrance shall be maintained in a condition which will prevent tracking or flow of sediment onto public rights-of-way. This may require periodic top dressing with additional stone or the washing and reworking of existing stone as conditions demand and repair and/or cleanout of any structures used to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles onto roadways or into storm drains must be removed immediately. The use of water trucks to remove materials dropped, washed, or tracked onto roadways will not be permitted under any circumstances.
- Silt Fence** - The maintenance measures are as follows: (2.1) silt fences shall be inspected immediately after each rainfall and at least daily during prolonged rainfall, any required repairs shall be made immediately; (2.2) close attention shall be paid to the repair of damaged silt fence resulting from end runs and undercutting; (2.3) should the fabric on a silt fence decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly; (2.4) sediment deposits must be removed when the level of deposition reaches approximately one-half the height of the barrier; and (2.5) any sediment deposits remaining in place after the silt fence is no longer required shall be dressed to conform to the existing grade, prepared and seeded.
- Storm Drain Inlet Protection** - The maintenance measures are as follows: (3.1) structures shall be inspected after each rain and repairs made as necessary and (3.2) structures shall be removed and the area stabilized when the remaining drainage area has been properly stabilized.
- Temporary Diversion Dike** - The measure shall be inspected after every storm and repairs made to the dike, flow channel, outlet or sediment trapping facility, as necessary. Once every two weeks, whether a storm event has occurred or not, the measure shall be inspected and repairs made if needed. Damages caused by construction traffic or other activity must be repaired before the end of each working day.
- Temporary Fill Diversion** - Since the practice is temporary and under most situations will be covered the next working day. The maintenance required should be low. If the practice is to remain in use for more than one day, an inspection shall be made at the end of each work day and repairs made to the measure if needed. The OPERATOR/CONTRACTOR should avoid the placement of any material over the structure while it is in use. Construction traffic should not be permitted to cross the diversion.
- Temporary Sediment Trap** - The maintenance measures are as follows: (6.1) sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to one half the design volume of the wet storage, sediment removal from the basin shall be deposited in a suitable area and in such a manner that it will not erode and cause sedimentation problems; (6.2) filter stone shall be regularly checked to ensure that filtration performance is maintained, stone choked with sediment shall be removed and cleaned or replaced; and (6.3) the structure should be checked regularly to ensure that it is structurally sound and has not been damaged by erosion or construction equipment, the height of the stone outlet should be checked to ensure that its center is at least 1 foot below the top of the embankment.
- Temporary Sediment Basin** - The basin embankment should be checked regularly to ensure that it is structurally sound and has not been damaged by erosion or construction equipment. The emergency spillway should be checked regularly to ensure that its lining is well established and erosion-resistant. The basin should be checked after each runoff producing rainfall for sediment cleanout and trash removal. When the sediment reaches the cleanout level, it shall be removed and properly disposed of.
- Temporary Seeding** - Areas which fail to establish vegetative cover adequate to prevent rill erosion will be re-seeded as soon as such areas are identified. Control weeds by mowing.
- Permanent Seeding** - The maintenance measures are as follows: (9.1) in general, a stand of vegetation cannot be determined to be fully established until it has been maintained for one full year after planting; (9.2) new seedlings shall be supplied with adequate moisture, supply water as needed, especially late in the season, in abnormally hot or dry conditions, or on adverse sites, water applications shall be controlled to prevent excessive runoff; (9.3) inspect all seeded areas for failures and make necessary repairs, replacements, and reseedings within the planting season, if possible; [9.3.a] if stand is inadequate for erosion control, over seed and fertilize using half of the rates originally specified; [9.3.b] if stand is 60% damaged, re-establish following seedbed and seeding recommendations; [9.3.c] if stand has less than 40% cover, re-evaluate choice of plant materials and quantities of lime and fertilizer, the soil must be tested to determine if acidity or nutrient imbalances are responsible, re-establish the stand following seedbed and seeding recommendations.
- Mulching** - All mulches and soil coverings should be inspected periodically (particularly after rainstorms) to check for erosion. Where erosion is observed in mulched areas, additional mulch should be applied. Nets and mats should be inspected after rainstorms for dislocation or failure. If washouts or breakage occur, reinstall netting or matting as necessary after repairing damage to the slope or ditch. Inspections should take place until grasses are firmly established. Where mulch is used in conjunction with ornamental plantings, inspect periodically throughout the year to determine if mulch is maintaining coverage of the soil surface; repair as needed.
- Soil Stabilization Blankets & Matting** - All soil stabilization blankets and matting should be inspected periodically following installation, particularly after rainstorms to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until which time they become permanently stabilized; at that time an annual inspections should be adequate.
- Street Cleaning / Sweeping** - The maintenance measures are as follows: (12.1) evaluate access points daily for sediment tracking; (12.2) when tracked or spilled sediment is found on paved surfaces, it will be removed daily, during times of heavy track-out, such as during rains, cleaning may be done several times throughout the day; (12.3) unknown spills or objects will not be mixed with the sediment; and (12.4) if sediment is mixed with other pollutants, it will be disposed of properly at an authorized landfill.

GENERAL NOTES

- All OPERATORS/CONTRACTORS must confirm with the APPLICANT that any and all applicable governmental approvals have been received prior to the start of work.
- BMP's may not be removed without INSPECTOR and applicable governmental approval.
- The INSPECTOR will evaluate compliance with the applicable construction stormwater general permit commitments during Storm Event Inspections.
- The INSPECTOR will perform inspections on projects regulated under the applicable construction stormwater general permit once every 14 days and within 24 hours or the next business day following a rain event of 0.25 inches of precipitation or greater; or every seven days.
- The CONTRACTOR'S Environmental Representative is not required to accompany the Engineer on Storm Event Inspections.
- Subject to storm events, inspections may begin on the first day of construction activities cause land disturbance and end on the date of project completion as evidenced by the completion date in the Construction Agreement.
- The permittee is prohibited from discharging the following:
  - Wastewater from the washout of concrete; except in approved concrete washout basin.
  - Wastewater from the washout and cleanout of stucco, paint, form release oils, curing compounds, and other constructions materials;
  - Fuels, oils, and other pollutants used in vehicle and equipment operation and maintenance; and
  - Soaps or solvents used in vehicle equipments washing.
- The permittee is authorized for the following non-stormwater discharges:
  - Discharges from firefighting activities
  - Fire hydrant flushings
  - Water used to wash vehicles where detergents are not used
  - Water used to control dust
  - Potable water including uncontaminated water line flushings
  - Routine external building wash down that does not use detergents
  - Pavement wash water where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been recovered) and where detergents are not used
  - Uncontaminated air conditioning or compressor condensate
  - Uncontaminated groundwater or spring water
  - Foundation or footing drains where flows are not contaminated with process materials such as solvent
  - Landscape irrigation

CONSTRUCTION ACTIVITIES & SCHEDULING

ACTIVITY	SCHEDULE
Install all BMP's needed and associated with the Grading Phase such as stabilized construction entrances, silt basins, riser pipes, outlet pipes, silt traps, silt fence, diversions, terraces, and etcetera.	Prior to any stripping of existing vegetation or grading.
Proceed with stripping of existing vegetation and grading in accordance with the grading plan, while disturbing no more than necessary.	After installing all BMP's needed and associated with the Grading Phase. Furthermore, INSPECTOR approval must be obtained before the start of any stripping of existing vegetation or grading.
Proceed with infrastructure installation.	Infrastructure installation must occur prior to any lot development.
Implement the installation of Temporary Seeding, Permanent Seeding, and/or Mulching.	Stabilization measures must be initiated as soon as possible in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased
Implement the installation all BMP's needed and associated with the Building Phase. Building	Building Phase BMP's must be installed concurrently with lot development.
Proceed with removal of BMP's.	BMP's may not be removed until each impacted drainage basin has been fully developed. Full development shall mean installation of pavement, buildings, and utilities, landscaping, and fully established permanent seeding. Furthermore, INSPECTOR approval must be obtained before the removal of any BMP's.



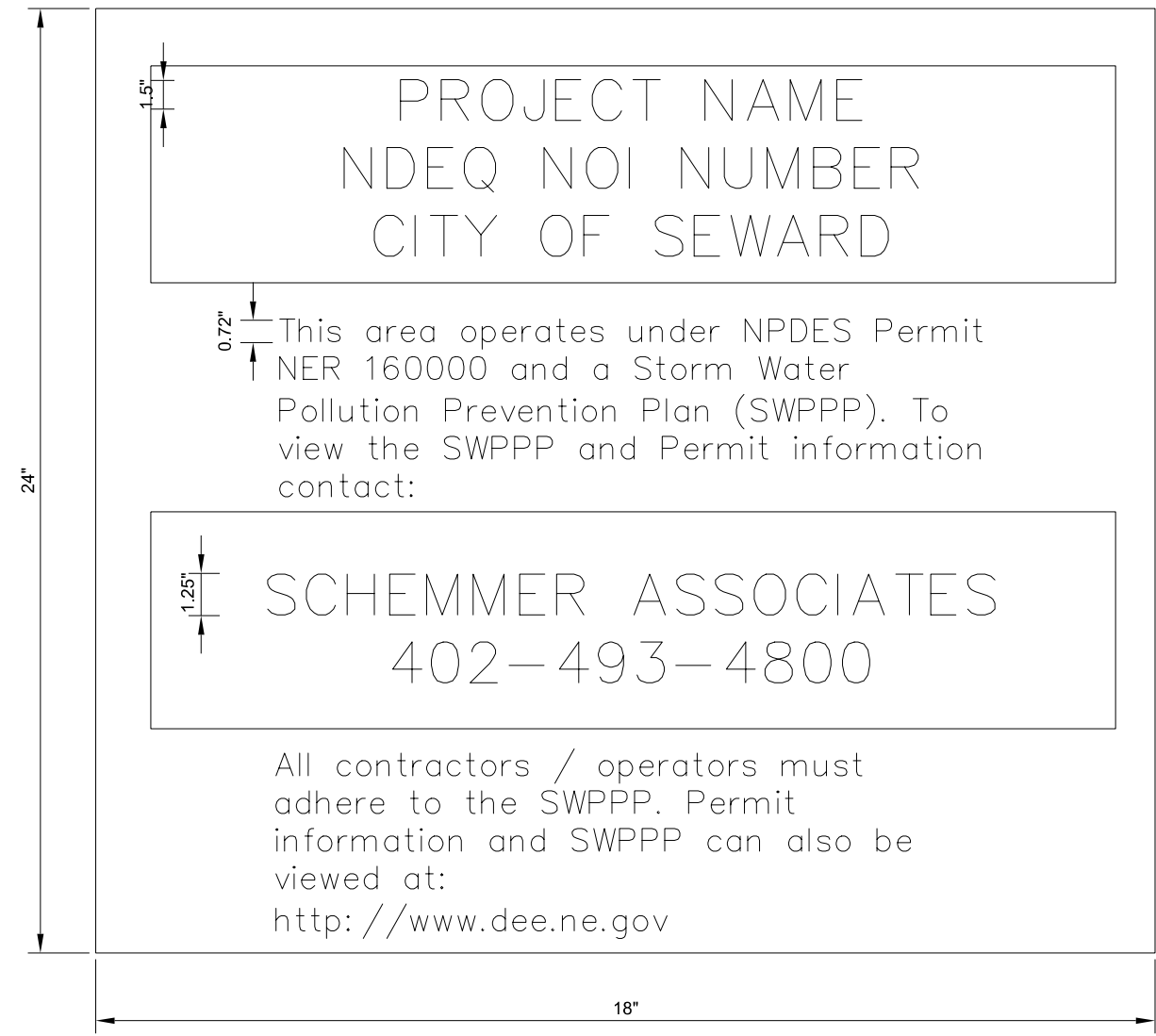
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ROADWAY DESIGN DIVISION.



SWPPP NOTIFICATION SIGN

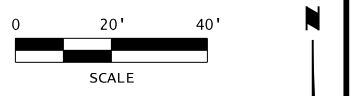
1. POST AT ENTRANCES TO CONSTRUCTION PROJECTS.
2. PROVIDE STURDY BACKING & POST FOR SIGNS.

Computer: LINMEGANS

Date: 31-AUG-2023 09:56

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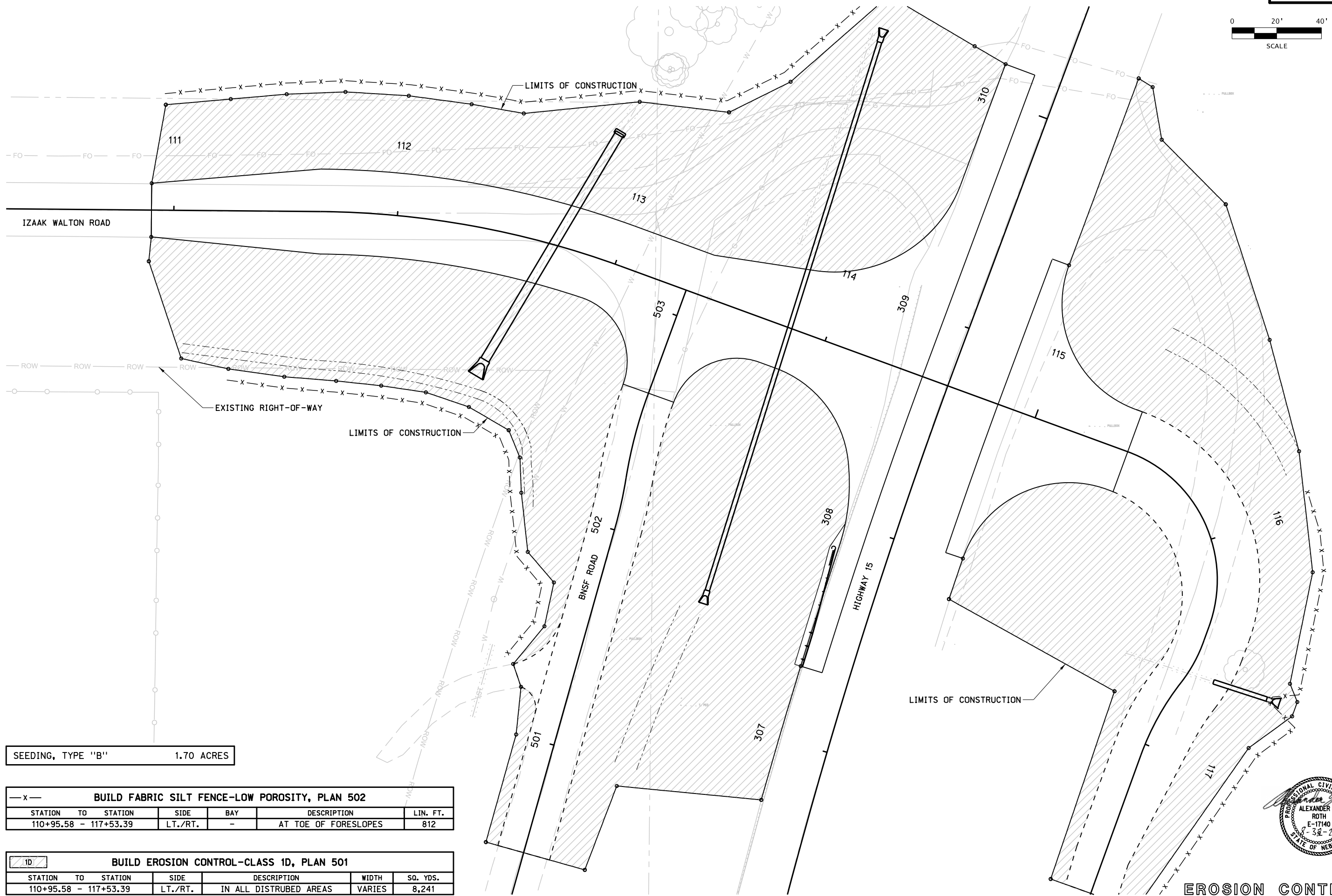


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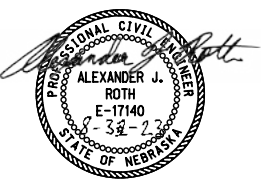
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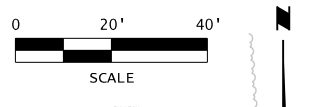
SEEDING, TYPE "B" 1.70 ACRES

— x — BUILD FABRIC SILT FENCE—LOW POROSITY, PLAN 502					
STATION TO	STATION	SIDE	BAY	DESCRIPTION	LIN. FT.
110+95.58	- 117+53.39	LT./RT.	-	AT TOE OF FORESLOPES	812

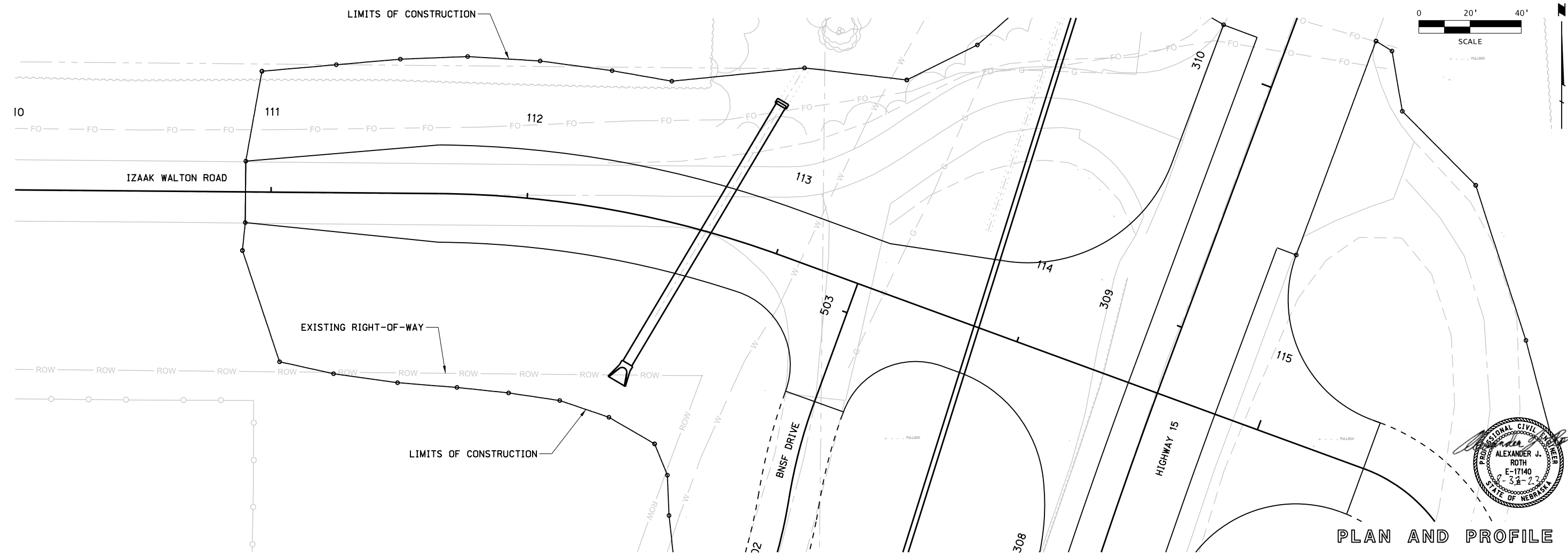
1D BUILD EROSION CONTROL—CLASS 1D, PLAN 501					
STATION TO	STATION	SIDE	DESCRIPTION	WIDTH	SQ. YDS.
110+95.58	- 117+53.39	LT./RT.	IN ALL DISTURBED AREAS	VARIABLE	8,241



EROSION CONTROL



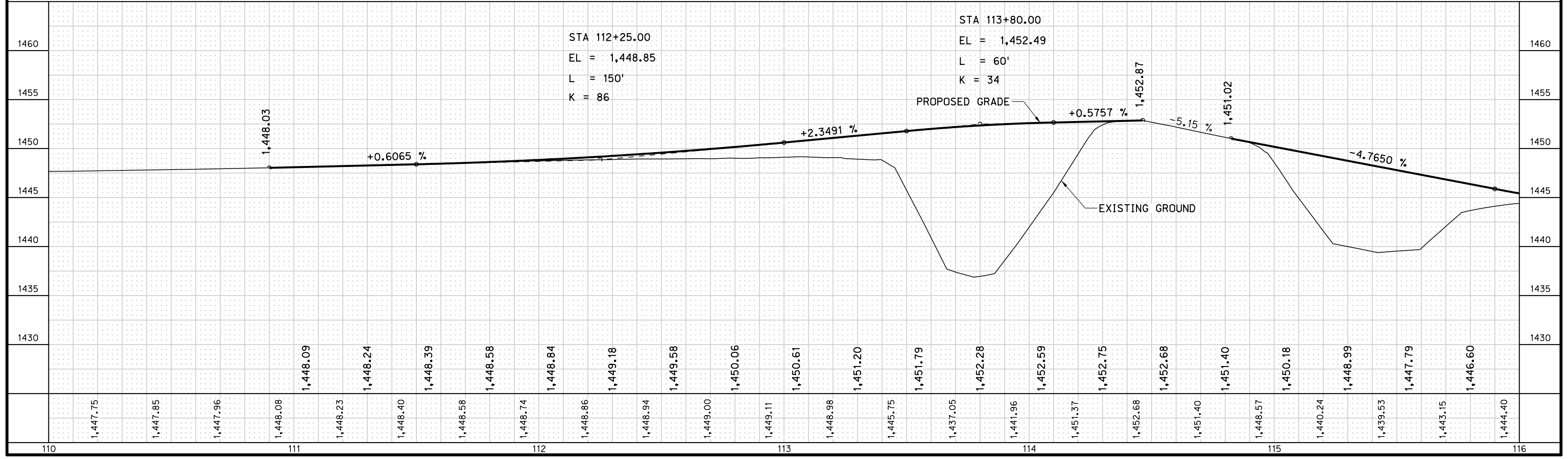
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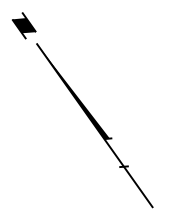
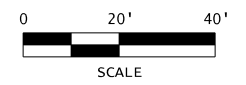


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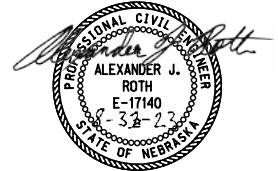
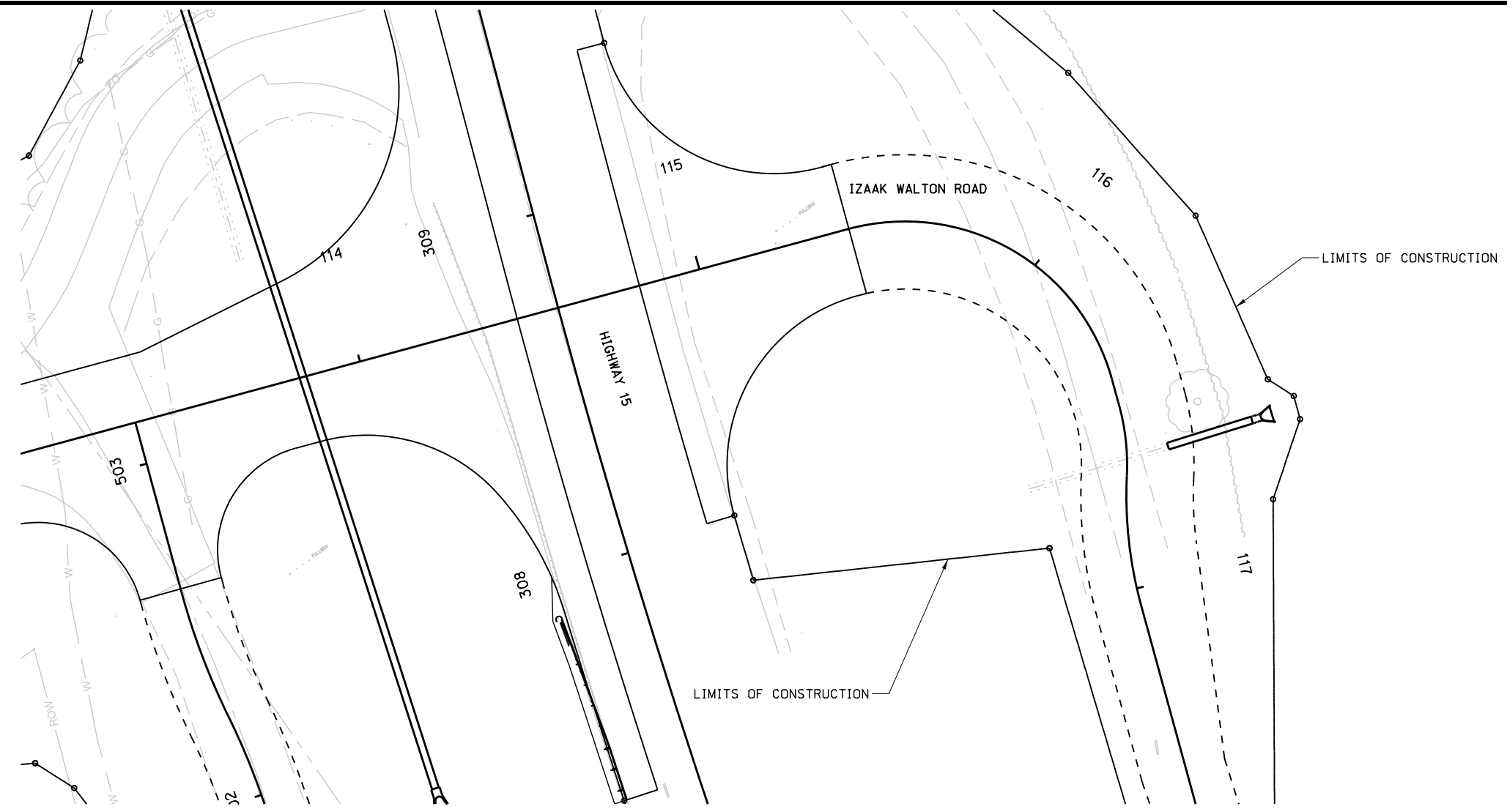
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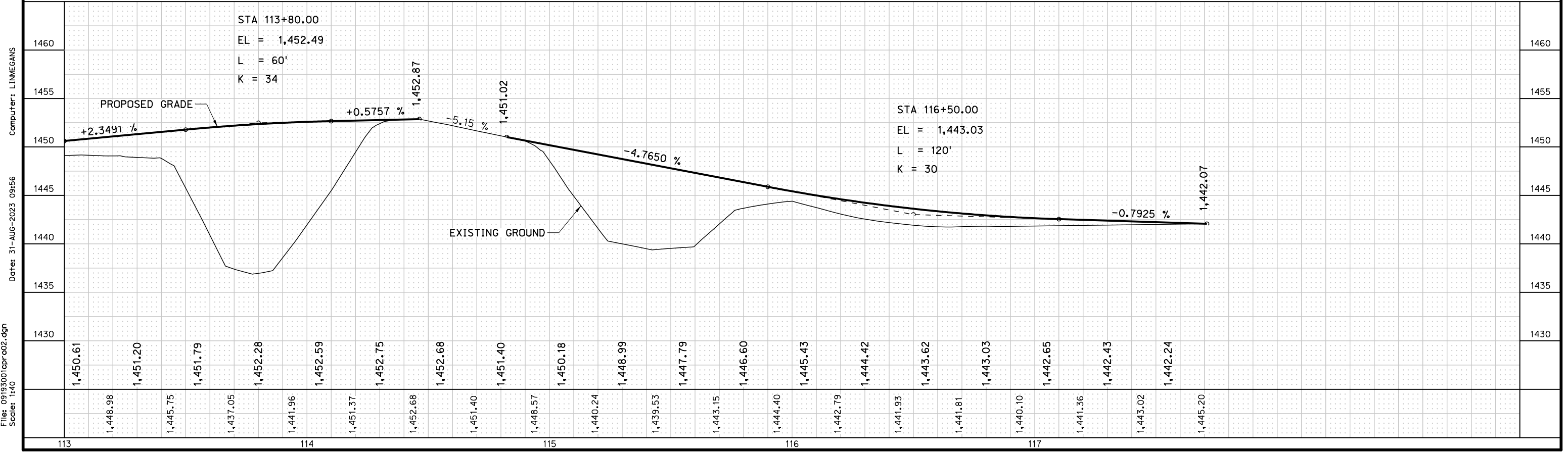




ROADWAY DESIGN DIVISION.



PLAN AND PROFILE

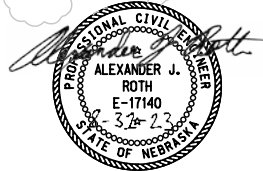
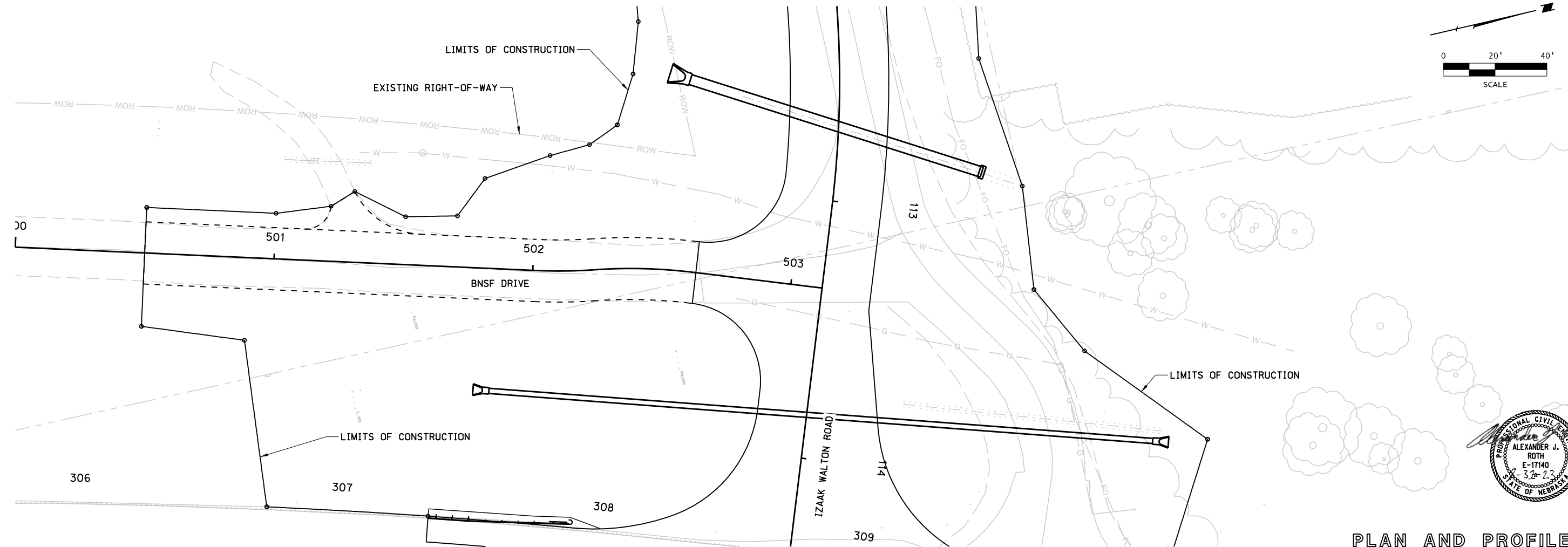
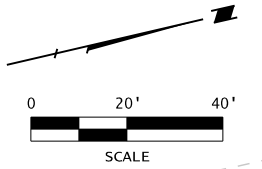


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ROADWAY DESIGN DIVISION.

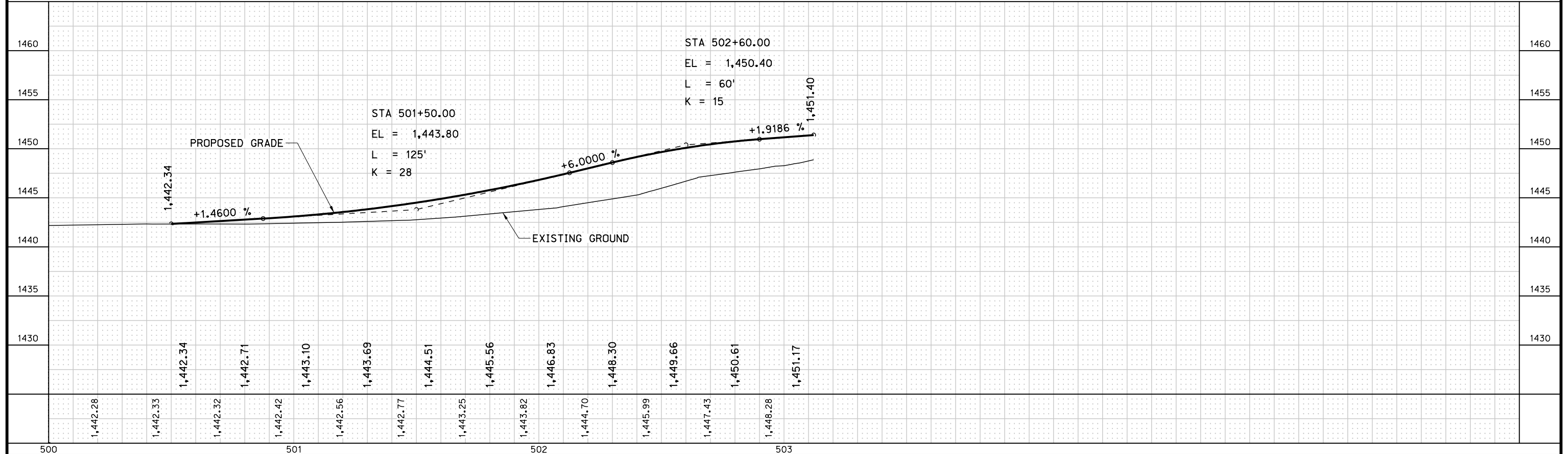


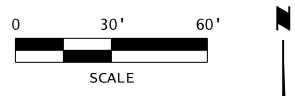
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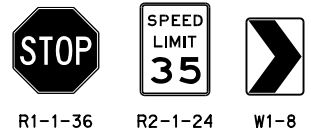
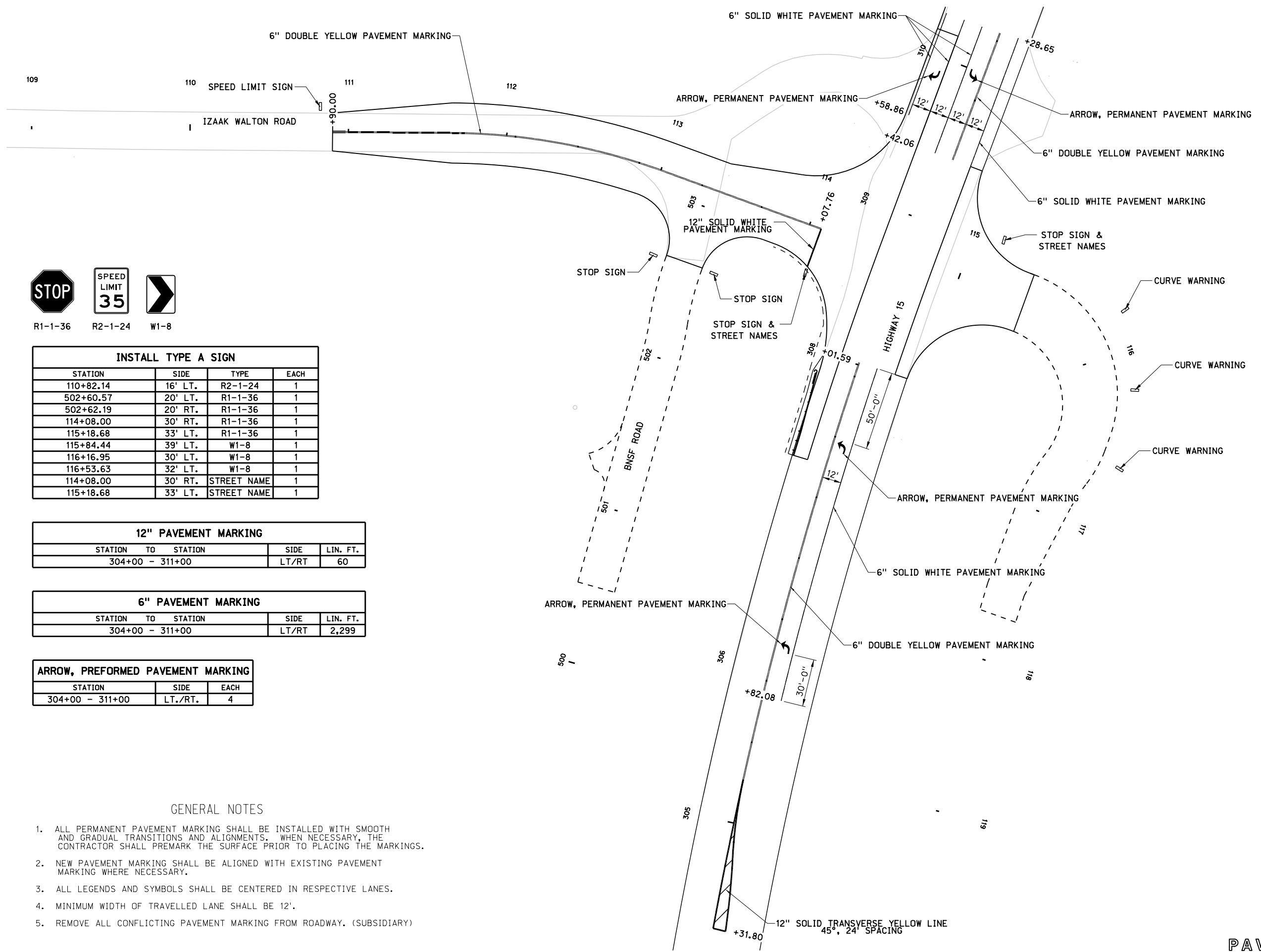




ROADWAY DESIGN DIVISION.

Computer: LIMEGANS

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INSTALL TYPE A SIGN			
STATION	SIDE	TYPE	EACH
110+82.14	16' LT.	R2-1-24	1
502+60.57	20' LT.	R1-1-36	1
502+62.19	20' RT.	R1-1-36	1
114+08.00	30' RT.	R1-1-36	1
115+18.68	33' LT.	R1-1-36	1
115+84.44	39' LT.	W1-8	1
116+16.95	30' LT.	W1-8	1
116+53.63	32' LT.	W1-8	1
114+08.00	30' RT.	STREET NAME	1
115+18.68	33' LT.	STREET NAME	1

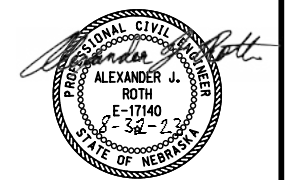
12" PAVEMENT MARKING			
STATION TO	STATION	SIDE	LIN. FT.
304+00	311+00	LT/RT	60

6" PAVEMENT MARKING			
STATION TO	STATION	SIDE	LIN. FT.
304+00	311+00	LT/RT	2,299

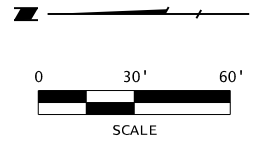
ARROW, PREFORMED PAVEMENT MARKING		
STATION	SIDE	EACH
304+00 - 311+00	LT./RT.	4

GENERAL NOTES

1. ALL PERMANENT PAVEMENT MARKING SHALL BE INSTALLED WITH SMOOTH AND GRADUAL TRANSITIONS AND ALIGNMENTS. WHEN NECESSARY, THE CONTRACTOR SHALL PREMARK THE SURFACE PRIOR TO PLACING THE MARKINGS.
2. NEW PAVEMENT MARKING SHALL BE ALIGNED WITH EXISTING PAVEMENT MARKING WHERE NECESSARY.
3. ALL LEGENDS AND SYMBOLS SHALL BE CENTERED IN RESPECTIVE LANES.
4. MINIMUM WIDTH OF TRAVELLED LANE SHALL BE 12'.
5. REMOVE ALL CONFLICTING PAVEMENT MARKING FROM ROADWAY. (SUBSIDIARY)



PAVEMENT MARKINGS

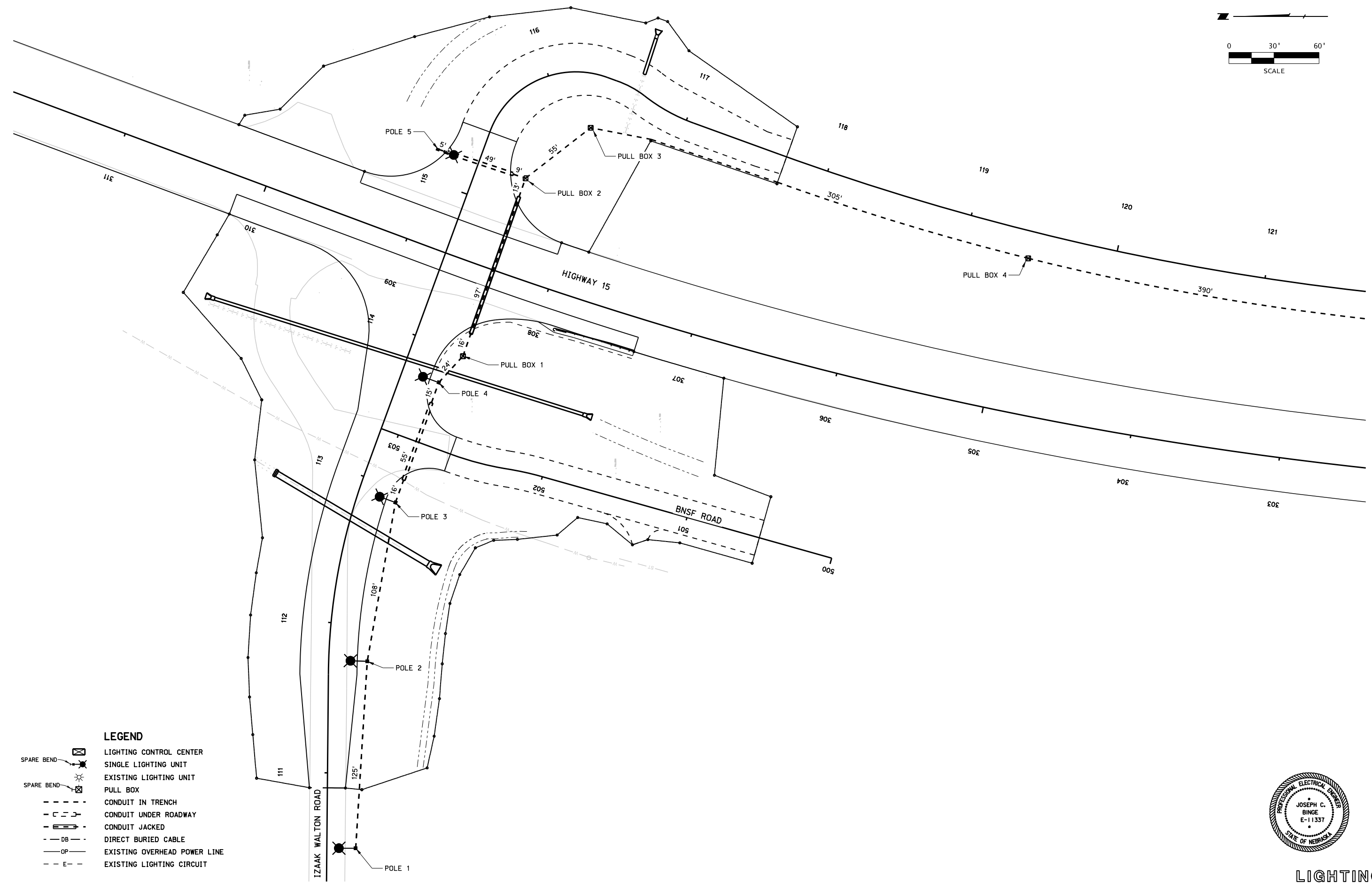


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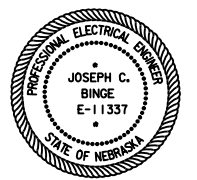
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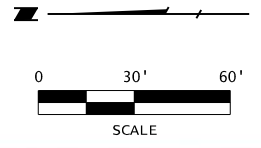
File: 09193001c101 Light.rdg.dgn  
Scale: 1:60



- LEGEND**
- LIGHTING CONTROL CENTER
  - SINGLE LIGHTING UNIT
  - EXISTING LIGHTING UNIT
  - PULL BOX
  - CONDUIT IN TRENCH
  - CONDUIT UNDER ROADWAY
  - CONDUIT JACKED
  - DIRECT BURIED CABLE
  - EXISTING OVERHEAD POWER LINE
  - EXISTING LIGHTING CIRCUIT



**LIGHTING**



ROADWAY DESIGN DIVISION.

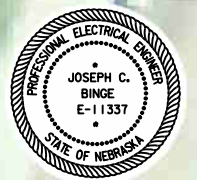
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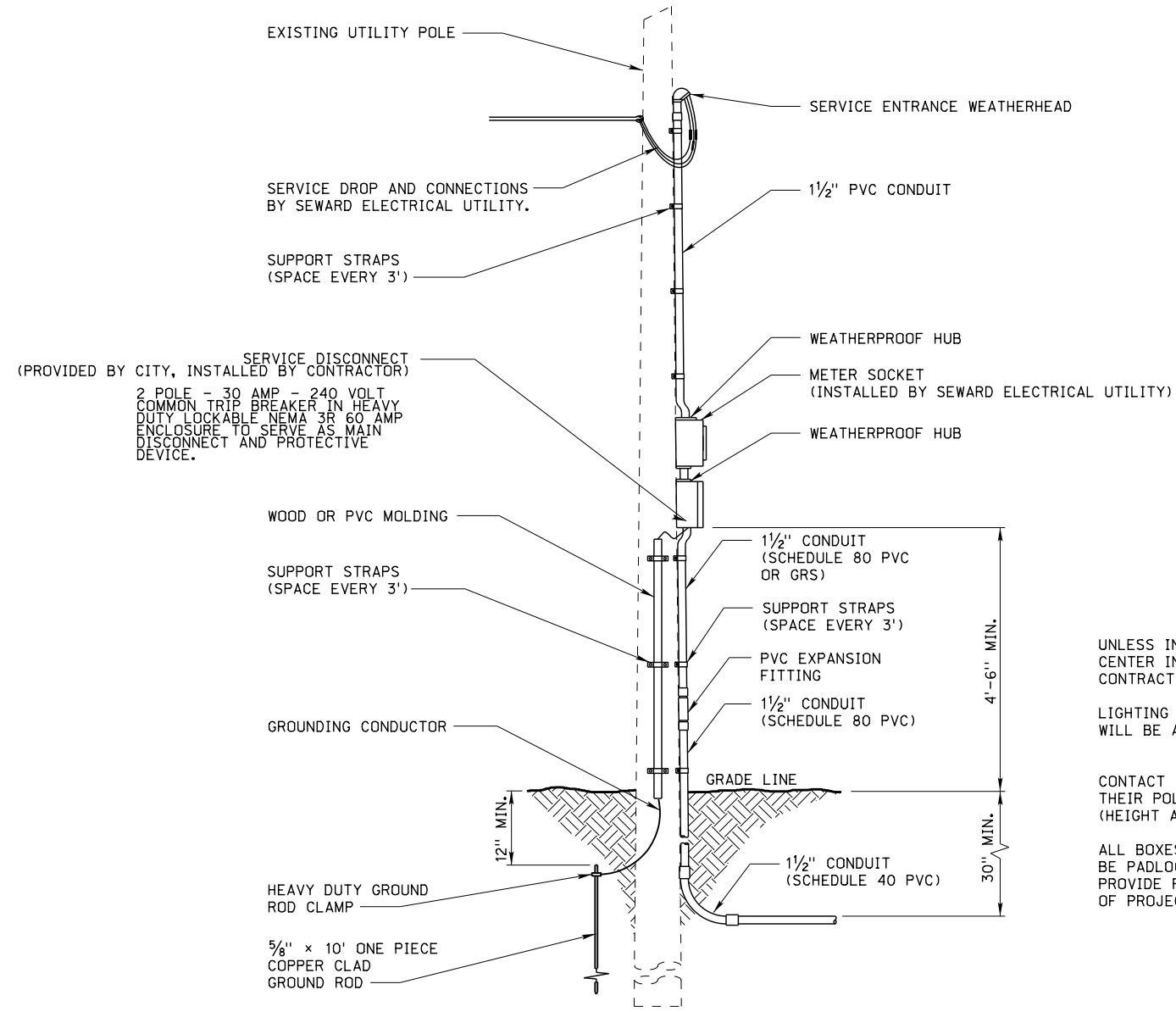


LEGEND	
	LIGHTING CONTROL CENTER
	SINGLE LIGHTING UNIT
	EXISTING LIGHTING UNIT
	PULL BOX
	CONDUIT IN TRENCH
	CONDUIT UNDER ROADWAY
	CONDUIT JACKED
	DIRECT BURIED CABLE
	EXISTING OVERHEAD POWER LINE
	EXISTING LIGHTING CIRCUIT



**LIGHTING**

LIGHTING CONTROL CENTER SCHEDULE		
UNIT NO.	COORDINATES	REMARKS
1	N=81823.446, E=90887.564	EXISTING LIGHT POLE



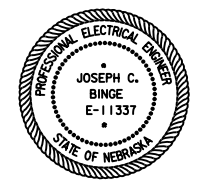
UNLESS INDICATED OTHERWISE, ALL COMPONENTS OF THE LIGHTING CONTROL CENTER INSTALLATION ARE TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

LIGHTING CONTROL CENTER LOCATION IS APPROXIMATE. ACTUAL LOCATION WILL BE AS DIRECTED BY THE ELECTRIC UTILITY AND PROJECT ENGINEER.

CONTACT UTILITY THREE WORKING DAYS PRIOR TO PERFORMING WORK ON THEIR POLES. RISERS AND GROUND CONDUCTORS ARE TO BE POSITIONED (HEIGHT AND QUADRANT) AS DIRECTED BY UTILITY.

ALL BOXES AND CABINETS WITH ACCESS TO ELECTRICAL COMPONENTS MUST BE PADLOCKED IMMEDIATELY AFTER INSTALLATION CONTRACTOR SHALL PROVIDE PADLOCK DURING CONSTRUCTION PERIOD. AFTER FINAL ACCEPTANCE OF PROJECT, MAINTAINING UTILITY OR AGENCY WILL PROVIDE PADLOCK.

LIGHTING CONTROL CENTER, TYPE "D"



ROADWAY DESIGN DIVISION.

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**GENERAL NOTES:**

1. A 72 HOUR BURN IS NOT REQUIRED ON INSTALLATIONS USING LED LUMINAIRES.
2. FOR PULL BOX DETAILS, SEE STANDARD PLAN 914-R7. ALL PULL BOXES WITH METAL FRAME AND LID SHALL BE GROUNDED, UNLESS INDICATED OTHERWISE.
3. ALL CONNECTIONS IN PULL BOXES WILL BE MADE USING SUBMERSIBLE SECONDARY CONNECTORS MEETING ANSI C119.1 REQUIREMENTS.
4. ELECTRICAL CONNECTIONS IN POLE OR TRANSFORMER BASE SHALL BE MADE USING U.L. APPROVED, MULTI-CABLE, DUAL RATED, MECHANICAL CONNECTOR BLOCKS WITH ALLEN HEAD SET SCREWS, THE CONNECTOR BLOCK SHALL BE COMPLETELY ENCASED IN A SILICONE GEL OR FULLY SURROUNDED BY A MOLDED INSULATING COVER. CONNECTORS SHALL BE RATED 600 VOLTS. COMPRESSION TAPS AND TAPING WILL NOT BE ALLOWED.  
  
THE CONNECTOR BLOCK MUST CONTAIN THE CORRECT NUMBER OF CABLE ENTRANCES TO ALLOW ONE CONDUCTOR PER WIRE HOLE AND MUST BE RATED FOR THE SIZE(S) AND TYPE(S) OF CABLE BEING USED. ANTIOXIDANT COMPOUND SHALL BE USED AND PROPER PROCEDURES FOLLOWED.  
  
THE ELECTRICAL CONNECTION, WHEN COMPLETE, SHALL BE FULLY INSULATED TO PREVENT ACCIDENTAL CONTACT WITH LIVE COMPONENTS.
5. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE BONDED:
  - (A) TO ALL POLES OR TRANSFORMER BREAKAWAY BASES.
  - (B) AT ALL CONTROL CENTER SERVICE LOCATIONS.
  - (C) TO ALL METALLIC NONCURRENT CARRYING COMPONENTS.
  - (D) TO ALL GROUND RODS.
6. IN PULL BOXES, POLE BASES, JUNCTION BOXES AND CONTROL CABINETS, THE DIRECTION OF EACH CABLE RUN SHALL BE INDICATED BY ATTACHING A PERMANENT TAG OF RIGID PLASTIC OR NON-FERROUS METAL TO THE CONDUIT. TAGS SHALL BE EMBOSSED, STAMPED OR ENGRAVED WITH LETTERS 3/16" OR GREATER IN HEIGHT AND SECURED TO THE CONDUIT WITH NYLON OR PLASTIC TIES.  
  
IN INSTANCES WHERE THE CONDUIT OR CONDUIT ENTRANCES ARE NOT VISIBLE OR ACCESSIBLE, AS IN ANCHOR BASE INSTALLATIONS, A DIRECTION TAG SHALL BE ATTACHED TO EACH CABLE.
7. CONDUIT SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 405 OF THE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION".
8. ALL METALLIC AND NONMETALLIC CONDUIT SHALL BEAR THE U.L. LABEL.
9. UNLESS INDICATED OTHERWISE IN THE PLANS:
  - (A) ALL CONDUIT SHALL BE 1/2".
  - (B) CONDUIT PLACED IN TRENCH OR UNDER THE ROADWAY SHALL BE NONMETALLIC AND OF THE FOLLOWING TYPES AS DEFINED IN THE SPECIFICATIONS: PVC, FRE, CID OR HDPE.
  - (C) NONMETALLIC CONDUIT SURFACE MOUNTED ON STRUCTURES OR USED AS RISERS SHALL BE SCHEDULE 80 PVC.
  - (D) METALLIC CONDUIT WHEN USED SHALL BE TYPE GRS OR IMC.
  - (E) GALVANIZED INTERMEDIATE METAL CONDUIT (IMC) MAY BE USED IN LIEU OF GALVANIZED RIGID STEEL CONDUIT (GRS).
  - (F) CONDUIT PLACED IN GROUND SHALL HAVE A MINIMUM EARTH COVER OF 30" UNLESS INDICATED OTHERWISE.
  - (G) ALL UNDERGROUND CONDUIT RACEWAYS TERMINATING IN PULL BOXES, LIGHT POLE BASES, BREAKAWAY TRANSFORMER BASES, PEDESTAL BASES, LIGHTING CONTROL CENTER CABINETS OR OTHER IN GROUND OR GROUND MOUNTED ENCLOSURES, SHALL ENTER THE ENCLOSURE VERTICAL TO THE EARTH'S SURFACE. ALL CONDUIT ENDS SHALL BE EQUIPPED WITH BELLS OR BUSHINGS TO PROTECT THE CABLE THEY CARRY FROM CHAFING OR ABRASION.
10. CONDUIT UNDER ROADWAY SHALL BE MEASURED FOR PAYMENT AS EXTENDING 1 FT. BEYOND THE EDGE OF THE ROADWAY SURFACE (INCLUDING SURFACED SHOULDERS).
11. JACKED CONDUIT MAY BE EITHER METALLIC OR NONMETALLIC.
12. TRENCHING SHALL BE KEPT A MINIMUM OF 5 FT. FROM THE TRUNK OF EXISTING TREES. JACKING MAY BE REQUIRED UNDER THE CENTER OF LARGE TREES IN LIMITED SPACE.
13. ROUTING OF CONDUIT AND CABLE MAY BE ALTERED BY THE PROJECT ENGINEER, IF NECESSARY, TO SUIT FIELD CONDITIONS.
14. INSTALL SPARE BENDS AS SHOWN ON PLANS. SPARE BENDS MUST BE SECURELY CAPPED OR PLUGGED AT BOTH ENDS WITH FITTINGS OF THE CORRECT SIZE AND TYPE FOR THE CONDUIT BEING USED.
15. CONDUIT DRAINS ARE NOT REQUIRED.
16. LIGHTING CONDUIT AND TRAFFIC SIGNAL CONDUIT MAY BE LAID IN THE SAME TRENCH.
17. LUMINAIRES SHALL BE LEVELED AFTER POLE HAS BEEN INSTALLED ON FOUNDATION. LUMINAIRE MOUNTING BOLTS SHALL BE TORQUED TO MANUFACTURERS SPECIFICATIONS.
18. ROADWAY LIGHTING SYSTEM MUST MEET PROJECT ENGINEERS FINAL INSPECTION. ROADWAY LIGHTING SYSTEMS ARE NOT SUBJECT TO STATE OR LOCAL ELECTRICAL INSPECTION.
19. CONTACT UTILITY THREE WORKING DAYS PRIOR TO REQUIRING SERVICE CONNECTION OR DISCONNECT.

20. GROUNDING CONNECTIONS IN PULL BOXES AND JUNCTION BOXES SHALL BE MADE USING MECHANICAL CONNECTORS SPECIFICALLY DESIGNED FOR THE PURPOSE.
21. UNLESS INDICATED OTHERWISE IN THE PLANS:
  - (A) CONVENTIONAL LIGHTING UNITS MAY BE INSTALLED USING EITHER CONCRETE OR POWER DRIVEN FOUNDATIONS.
  - (B) ALL FOUNDATIONS USED ON A PROJECT SHALL BE OF ONE TYPE.
22. A LEGIBLE POLE IDENTIFICATION NUMBER CONSISTING OF THE POLE TYPE (EXAMPLE: SL-BT-40-12) TOGETHER WITH THE POLE MANUFACTURER'S NAME AND THE DATE OF MANUFACTURE (MONTH AND YEAR) WILL BE REQUIRED ON ALL NEW LIGHT POLES. THE POLE IDENTIFICATION NUMBER SHALL BE APPLIED TO THE POLE BY EITHER OF THE FOLLOWING TWO METHODS.
  - (A) THE TOP OF THE POLE BASE SHALL BE STAMPED OR ENGRAVED WITH THE REQUIRED INFORMATION. (PRIOR TO GALVANIZING IN THE CASE OF STEEL POLES).
  - (B) A DURABLE METAL TAG, STAMPED WITH THE REQUIRED INFORMATION, SHALL BE SECURELY ATTACHED TO THE POLE BASE OR POLE SHAFT. THE TAG AND ITS METHOD OF ATTACHMENT MUST BE APPROVED BY THE LIGHTING ENGINEER.

**SCHEDULE OF WIRING MATERIALS**

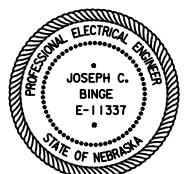
WIRE & CABLE

THE ELECTRICAL, MECHANICAL AND PHYSICAL PROPERTIES OF THE CONDUCTORS LISTED IN THE FOLLOWING SCHEDULE ESTABLISH THE MINIMUM ACCEPTABLE REQUIREMENTS FOR EACH OF THE LISTED APPLICATIONS. CONDUCTORS WHICH HAVE PROPERTIES THAT EXCEED THESE MINIMUM REQUIREMENTS MAY BE FURNISHED, AT THE CONTRACTORS OPTION, WITH THE ENGINEERS' APPROVAL. NO ADJUSTMENT IN THE CONTRACT PRICE WILL BE ALLOWED.

UNLESS INDICATED OTHERWISE ALL CONDUCTORS SHALL BE SINGLE CONDUCTOR, STRANDED COPPER U.L. LISTED, 600V. WITH SIZE OF CONDUCTOR AND TYPE AND COLOR OF INSULATION AS LISTED BELOW.

ONE PHASE CONDUCTOR MUST, AT THE TIME OF INSTALLATION, BE PERMANENTLY IDENTIFIED AS THE LINE 2 (RED) CONDUCTOR AT EACH END AND AT EVERY POINT WHERE THE CONDUCTOR IS ACCESSIBLE, IDENTIFICATION WILL BE ACCOMPLISHED BY (A) COLORING THE EXPOSED INSULATION RED (B) MARKING THE EXPOSED INSULATION WITH RED TAPE.

<u>SERVICE ENTRANCE:</u>	TYPE USE OR XHHW, NO. 6 AWG
<u>EQUIPMENT GROUND:</u>	BARE OR INSULATED, NO. 6 AWG
<u>POLE:</u>	NO. 12 AWG, THW OR THWN.
<u>BRANCH CIRCUIT FEEDERS, INCLUDING NEUTRALS:</u>	USE OR XHHW (IF PLACED IN CONDUIT) USE OR UF (IF DIRECT BURIED), NO. 6 AWG
<u>COLOR CODES:</u>	"NEUTRAL" - WHITE OR GREY; "INSULATED EQUIPMENT GROUND" - GREEN. "LINE 1" - BLACK "LINE 2" - RED



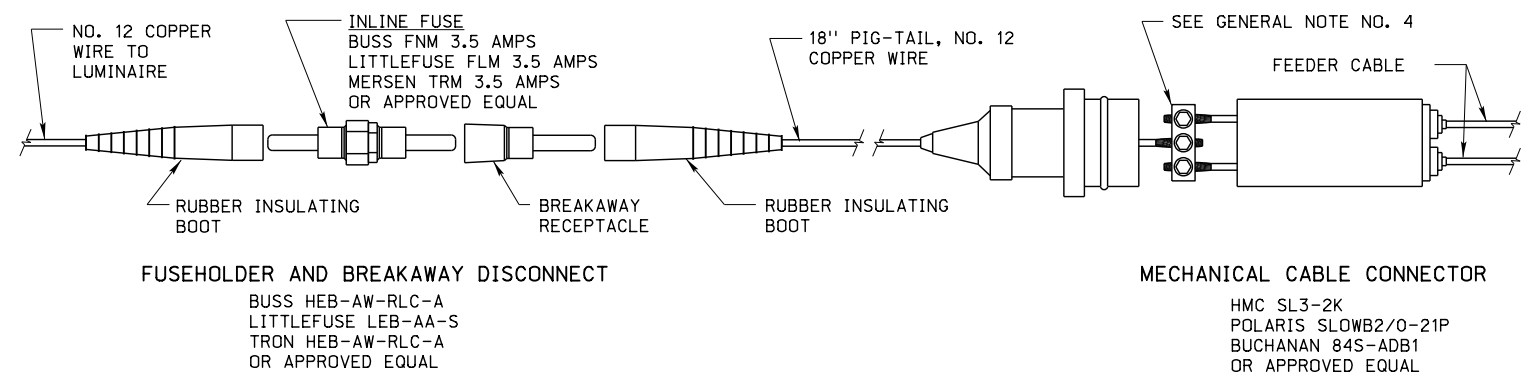
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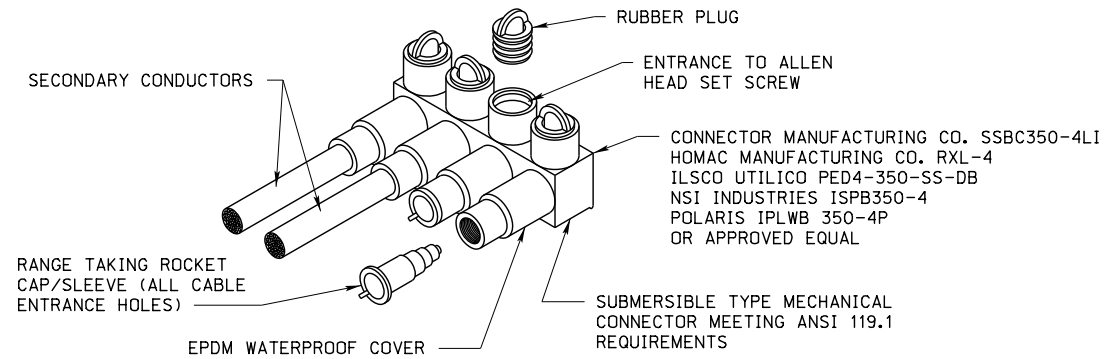
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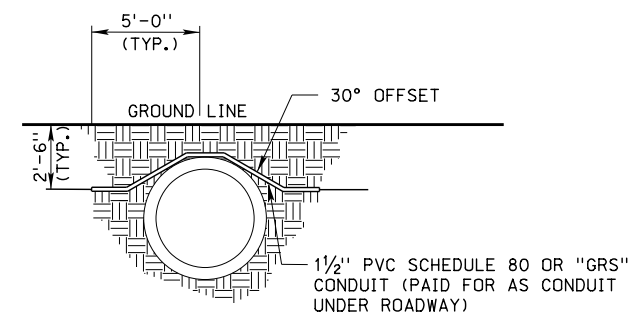
ROADWAY DESIGN DIVISION.



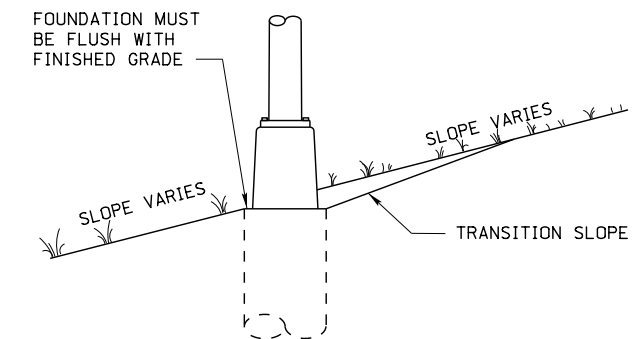
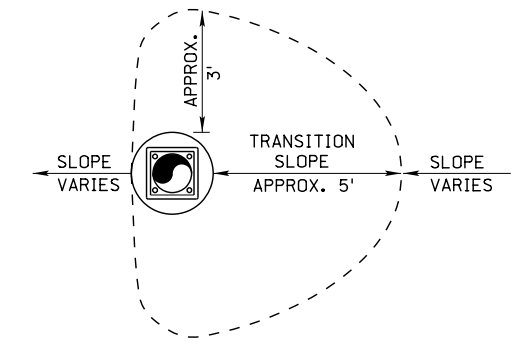
CONNECTIONS FOR BREAKAWAY INSTALLATIONS



URD CONNECTOR IN PULL BOX



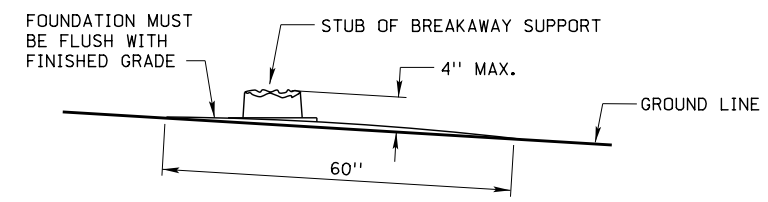
CONDUIT INSTALLATION OVER CULVERT PIPE



BREAK-A-WAY SUPPORTS ARE DESIGNED TO YIELD OR SEPARATE WHEN STRUCK BY AN ERRANT VEHICLE, THEREBY MINIMIZING INJURY TO THE OCCUPANTS OF THE VEHICLE AND DAMAGE TO THE VEHICLE ITSELF. IN ORDER FOR THE BREAK-A-WAY SUPPORT TO WORK AS DESIGNED, THE SUPPORT MUST BE KEPT FREE OF ALL ENCUMBRANCES AND ITS BASE MUST BE FLUSH WITH FINAL GRADE.

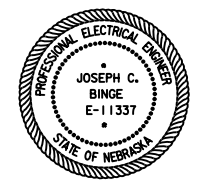
WHEN PERFORMING EARTHWORK IN THE VICINITY OF BREAK-A-WAY SUPPORTS, NO EMBANKMENT (BACKFILL) SHALL BE ALLOWED TO COVER ANY PORTION OF THE SUPPORT NOR SHALL THE POLE FOUNDATION (CONCRETE OR POWER) BE ALLOWED TO PROJECT ABOVE FINAL GRADE. SHOULD THE TOE OF THE BACKFILL EXTEND BEYOND THE BREAK-A-WAY SUPPORT, A TRANSITION SLOPE, CONSTRUCTED AS SHOWN IN THE PLAN DETAIL TITLED "LIGHT POLES LOCATED ON SLOPE" MUST BE PROVIDED TO PROTECT THE INTEGRITY OF THE SUPPORT.

LIGHT POLES LOCATED ON SLOPE



ANY SUBSTANTIAL REMAINS OF A BREAKAWAY DEVICE, AFTER BEING BROKEN AWAY, SHALL NOT PROJECT MORE THAN 4 INCHES ABOVE A 60-INCH CHORD ALIGNED RADIALLY TO THE CENTERLINE OF THE HIGHWAY AND CONNECTING ANY POINT, WITHIN THE LENGTH OF THE CHORD, ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE.

BREAKAWAY SUPPORT STUB CLEARANCE DIAGRAM



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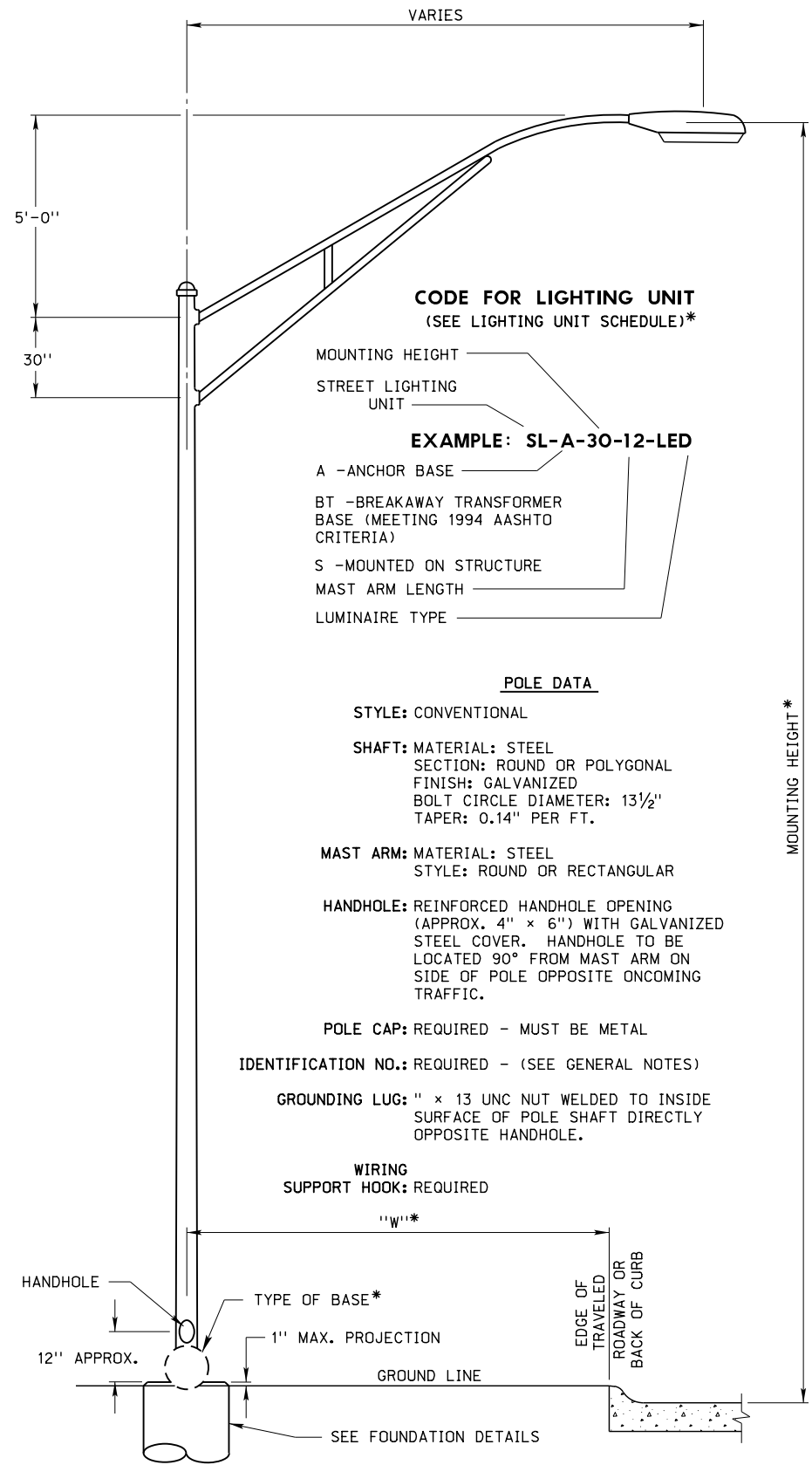
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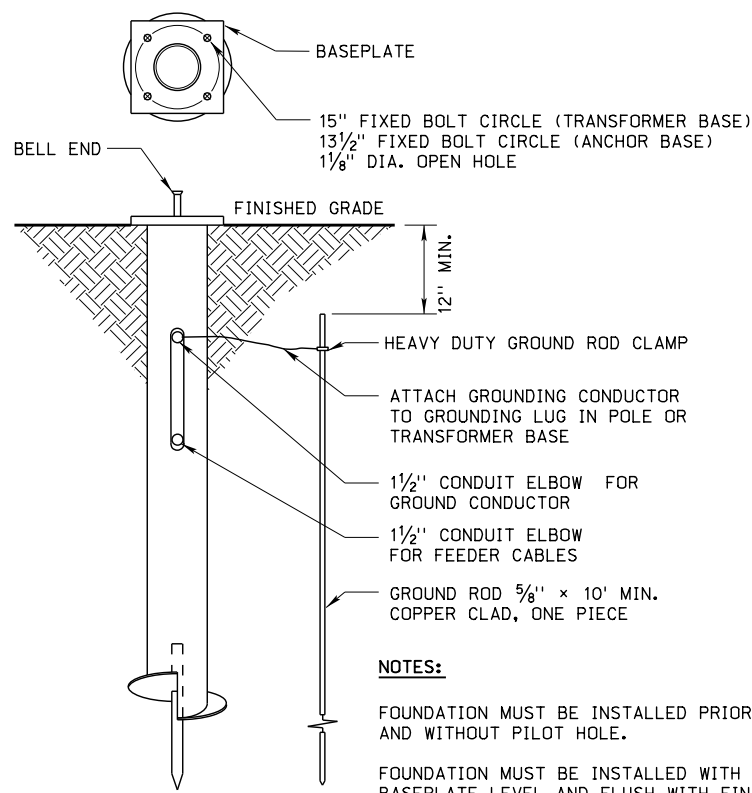
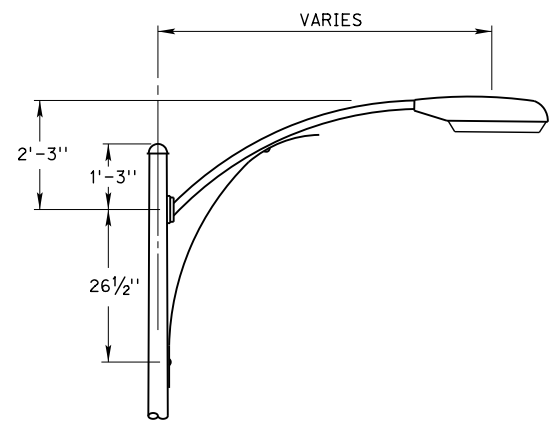
**CODE FOR LIGHTING UNIT**  
(SEE LIGHTING UNIT SCHEDULE)\*

**EXAMPLE: SL-A-30-12-LED**

- A -ANCHOR BASE
- BT -BREAKAWAY TRANSFORMER BASE (MEETING 1994 AASHTO CRITERIA)
- S -MOUNTED ON STRUCTURE
- MAST ARM LENGTH
- LUMINAIRE TYPE

**POLE DATA**

- STYLE: CONVENTIONAL
- SHAFT: MATERIAL: STEEL  
SECTION: ROUND OR POLYGONAL  
FINISH: GALVANIZED  
BOLT CIRCLE DIAMETER: 13 1/2"  
TAPER: 0.14" PER FT.
- MAST ARM: MATERIAL: STEEL  
STYLE: ROUND OR RECTANGULAR
- HANDHOLE: REINFORCED HANDHOLE OPENING (APPROX. 4" x 6") WITH GALVANIZED STEEL COVER. HANDHOLE TO BE LOCATED 90° FROM MAST ARM ON SIDE OF POLE OPPOSITE ONCOMING TRAFFIC.
- POLE CAP: REQUIRED - MUST BE METAL
- IDENTIFICATION NO.: REQUIRED - (SEE GENERAL NOTES)
- GROUNDING LUG: " x 13 UNC NUT WELDED TO INSIDE SURFACE OF POLE SHAFT DIRECTLY OPPOSITE HANDHOLE.
- WIRING SUPPORT HOOK: REQUIRED



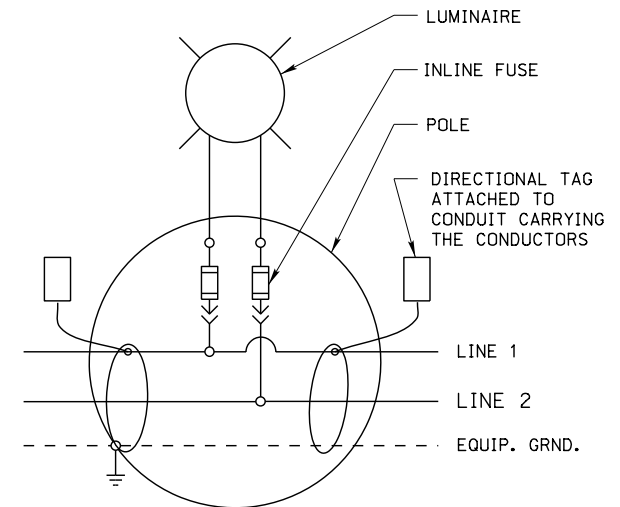
**POWER INSTALLED FOUNDATION**  
(PERMANENT INSTALLATION)

- NOTES:**
- FOUNDATION MUST BE INSTALLED PRIOR TO TRENCHING AND WITHOUT PILOT HOLE.
  - FOUNDATION MUST BE INSTALLED WITH BOTTOM OF BASEPLATE LEVEL AND FLUSH WITH FINISHED GRADE.
  - ANY DEVIATION FROM ABOVE INSTALLATION PROCEDURES MUST BE APPROVED BY ENGINEER.

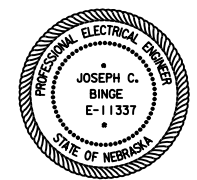
LIGHTING UNIT SCHEDULE				
UNIT NO.	STATION	TYPE	"W"	REMARKS
1	110+50.01, 19' RT.	SL-BT-30-8-LED	9'	POWER DRILLED FOUNDATION
2	111+75.04, 26' RT.	SL-BT-30-8-LED	9'	POWER DRILLED FOUNDATION
3	112+90.12, 26' RT.	SL-BT-30-8-LED	9'	POWER DRILLED FOUNDATION
4	113+75.81, 25' RT.	SL-BT-30-8-LED	9'	POWER DRILLED FOUNDATION
5	115+21.49, 28' LT.	SL-BT-30-8-LED	9'	POWER DRILLED FOUNDATION

PULL BOX SCHEDULE			
UNIT NO.	STATION	TYPE	REMARKS
1	113+97.84, 34.51' RT.	PB-5	--
2	115+23.30, 27.95' RT.	PB-5	--
3	116+40.98, 35.33' RT.	PB-5	--
4	119+43.63, 18.00' RT.	PB-5	--
5	123+29.30, 18.00' RT.	PB-5	--

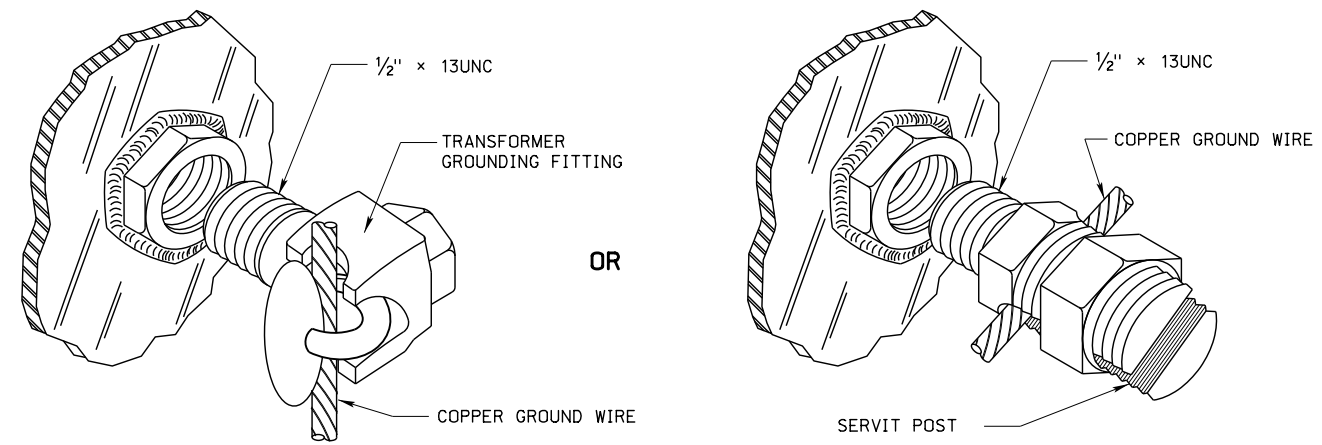
LED LUMINAIRE REQUIREMENTS	
UNIT NO.	SPECIFICATION AND PERFORMANCE CRITERIA
ALL	SEE SPECIAL PROVISIONS



**POLE WIRING SCHEMATIC**  
(240 VOLT-2 WIRE)

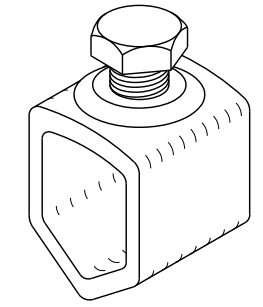


ROADWAY DESIGN DIVISION.



CONNECTOR MANUF. CO. TGC2  
 BLACKBURN TTC3  
 BURNDY EQC632C  
 BURNDY KC22B2TN  
 OR APPROVED EQUAL

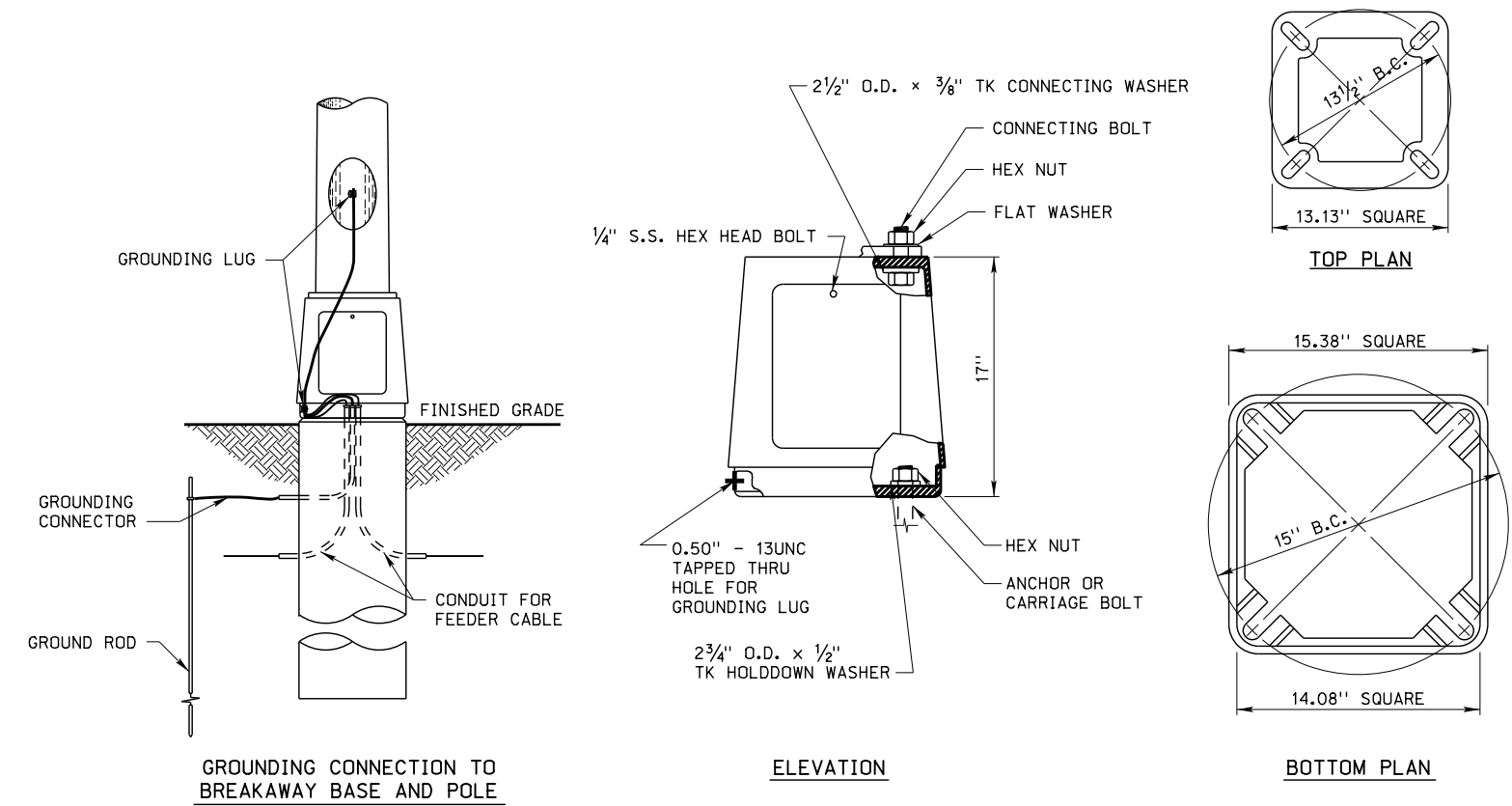
**POLE GROUNDING CONNECTORS**



GROUND ROD (NOT SHOWN)  
 ERITECH 615800  
 BLACKBURN 6260  
 ROBBINS LIGHTING INC. 94-10  
 OR APPROVED EQUAL

CONNECTOR MANUF. CO. WB58H  
 ERITECH HDC58R  
 BLACKBURN JAB58H  
 BURNDY GKP635  
 OR APPROVED EQUAL

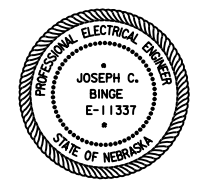
**GROUND ROD CLAMP**



**TRANSFORMER BASE INSTALLATION**

**TRANSFORMER BASE INSTALLATION NOTES:**

- POLE FAILURES AND IRREGULAR BREAKAWAY PERFORMANCE CAN RESULT FROM IMPROPER INSTALLATION OF THE TRANSFORMER BASE. TO OBTAIN THE MAXIMUM CAPABILITY OF EACH BASE THE CONTRACTOR MUST COMPLY WITH THE FOLLOWING:
  - USE THE LARGEST POSSIBLE BOLT CIRCLES, BOTH TOP AND BOTTOM.
  - USE GALVANIZED STEEL WASHERS OF THE SIZE AND TYPE ILLUSTRATED. (THE HOLD DOWN AND CONNECTING WASHERS ARE AVAILABLE FROM THE TRANSFORMER BASE MANUFACTURER).
  - INSTALL WASHERS EXACTLY AS SHOWN.
  - SHIM BETWEEN FOUNDATION AND TRANSFORMER BASE IF NEEDED USING ONLY REGULAR "U" SHAPED SHIM STOCK CAPABLE OF PROVIDING SUPPORT ON THREE SIDES OF THE ANCHOR BOLT. INSTALL WITH BACK EDGE OF SHIM FLUSH WITH BOTTOM EDGE OF TRANSFORMER BASE.
  - TORQUE ALL NUTS TO A MINIMUM OF 150 FT. LBS.
- INSTALL BREAKAWAY TRANSFORMER BASE WITH DOOR OPENING ON SAME SIDE OF POLE AS HANDHOLE.
- SECURE EQUIPMENT GROUNDING CONDUCTOR TO TRANSFORMER BASE BY USE OF APPROVED GROUNDING CONNECTOR (LUG) THREADED INTO TAPPED HOLE IN BASE. ROUTE GROUNDING CONDUCTOR FROM GROUNDING LUG IN "T" BASE TO GROUNDING LUG IN POLE AS SHOWN.



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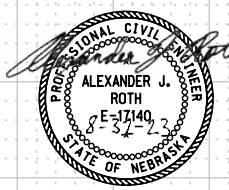
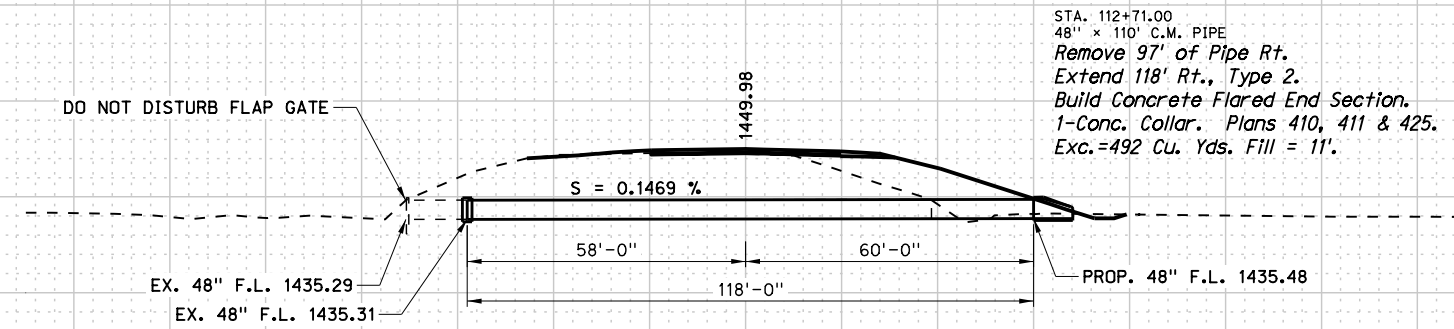
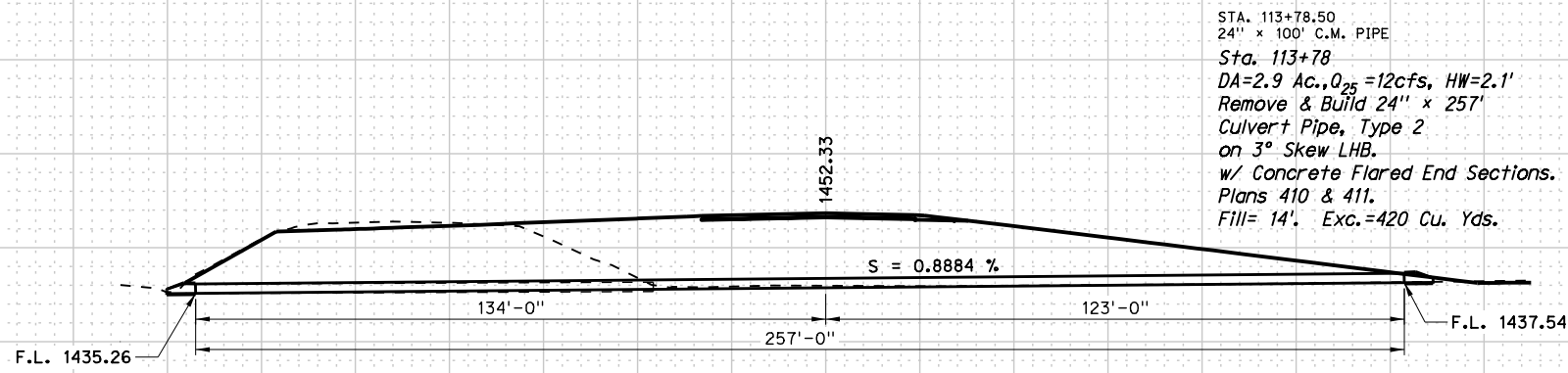
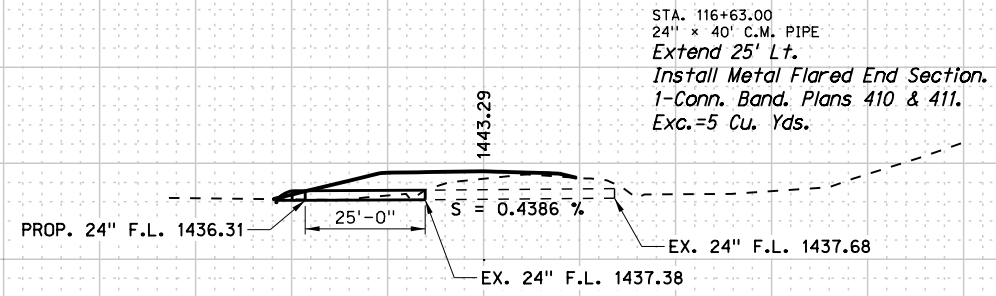
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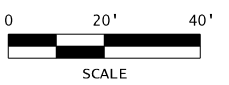
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ROADWAY DESIGN DIVISION.

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EXISTING PERMANENT EASEMENT  
DETERMINED FROM 2007 IZAAK WALTON RD. CONSTRUCTION DRAWINGS

LIMITS OF CONSTRUCTION

1/4 SECTION LINE

111

112

113

114

115

310

309

308

307

503

502

501

IZAAK WALTON ROAD

BNSF DRIVE

HIGHWAY 15

STA. 110+98.37, 70.17' RT.

EXISTING RIGHT-OF-WAY

STA. 112+87.21, 54.39' RT.

STA. 111+17.96, 77.96' RT.

STA. 112+32.37, 82.65' RT.

STA. 112+84.19, 102.90' RT.

(T-1)

TENNECO AUTOMOTIVE INC  
SEWARD 29-11-3  
TRACT IN NE 1/4 60.33 AC

LIMITS OF CONSTRUCTION

EXISTING RIGHT-OF-WAY

STA. 116+00.06, 90.63' LT.

STA. 115+83.33, 56.45' LT.

LIMITS OF CONSTRUCTION

EXISTING RIGHT-OF-WAY  
(Estimated from NDOT CN 12979)

(T-2)

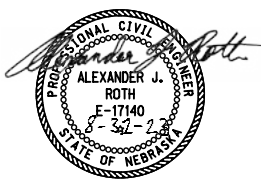
JOHN T. & JANICE R. HEATH  
28-11-3  
W 1/2 NW 1/4 S OF RIVER &  
E HIGHWAY 127 55.18 AC

LEGEND

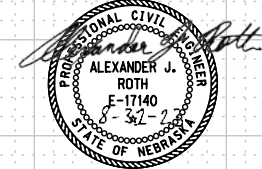
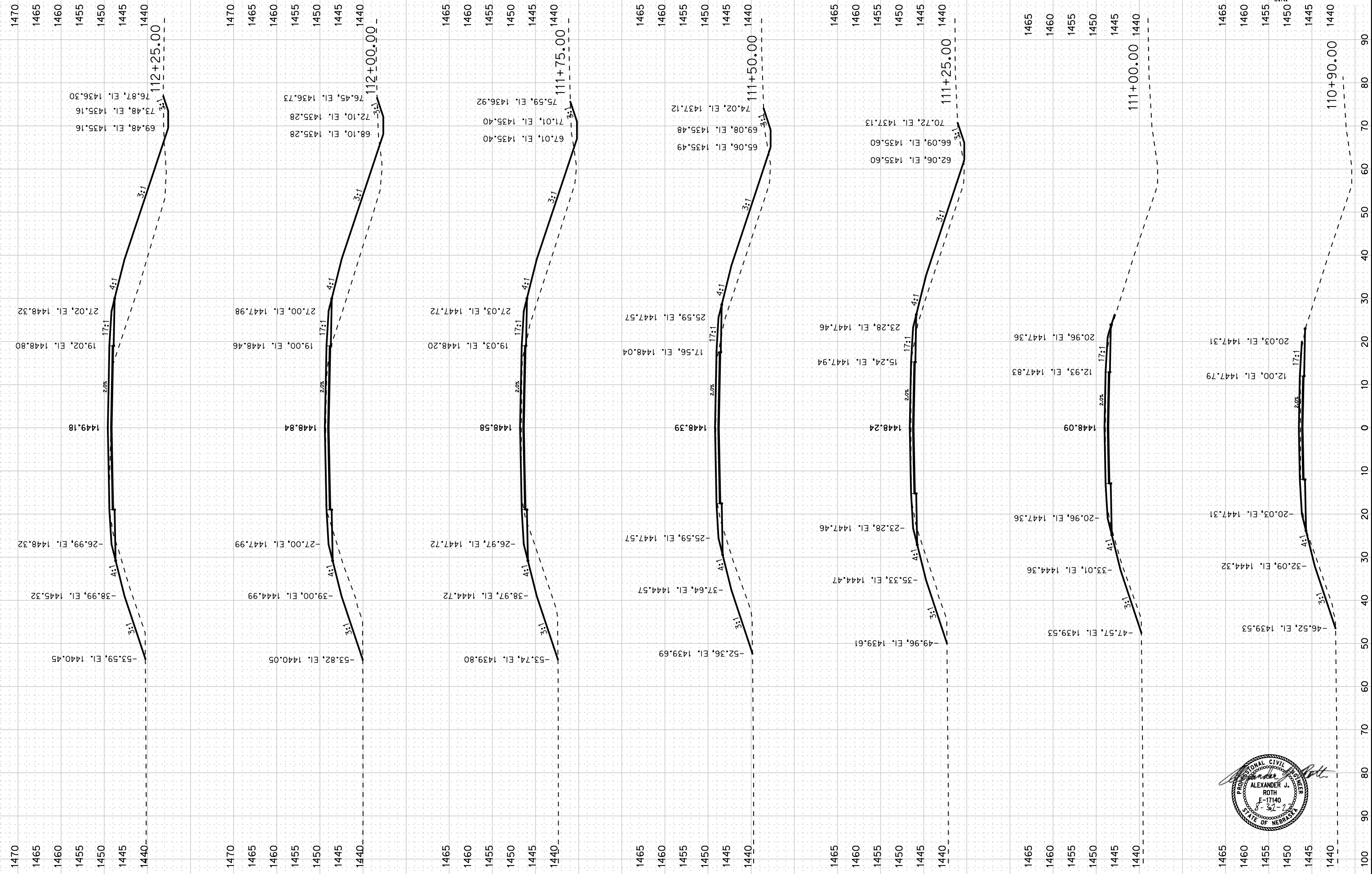
- PERMANENT EASEMENT
- EXISTING PERMANENT EASEMENT
- TEMPORARY EASEMENT
- NEW RIGHT-OF-WAY

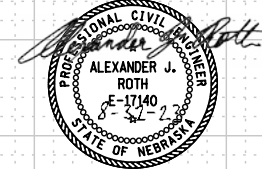
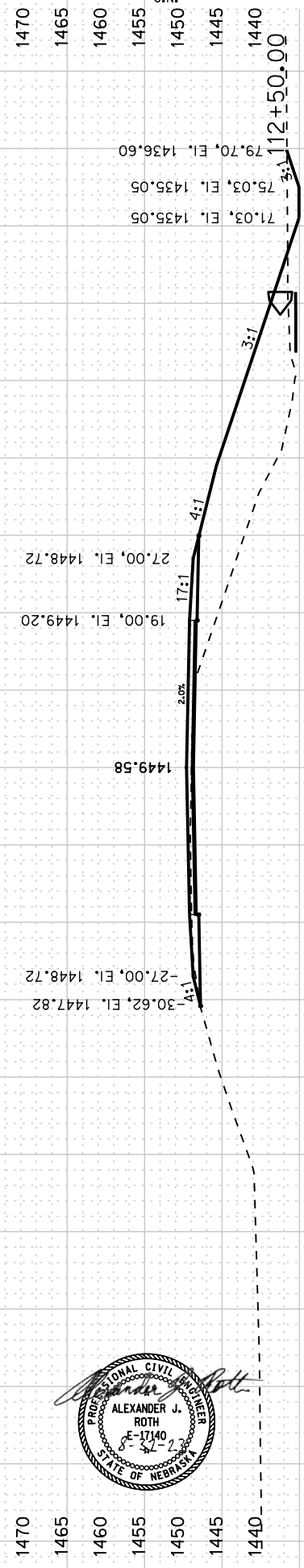
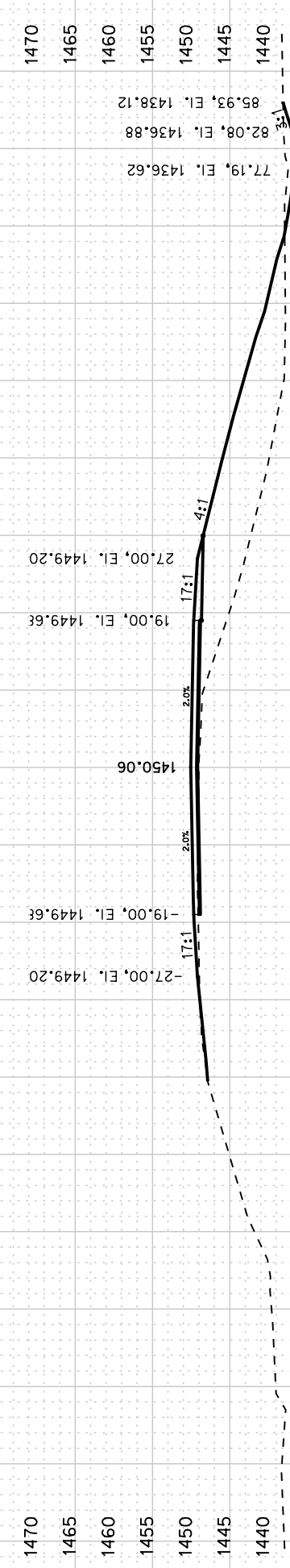
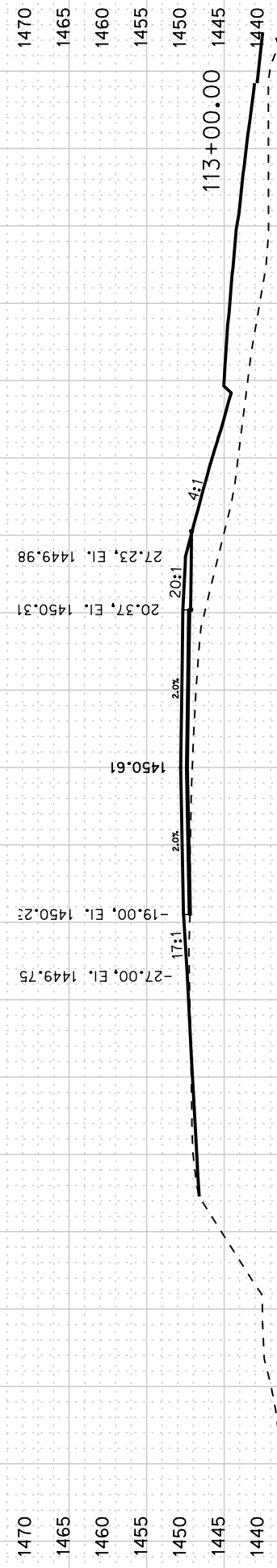
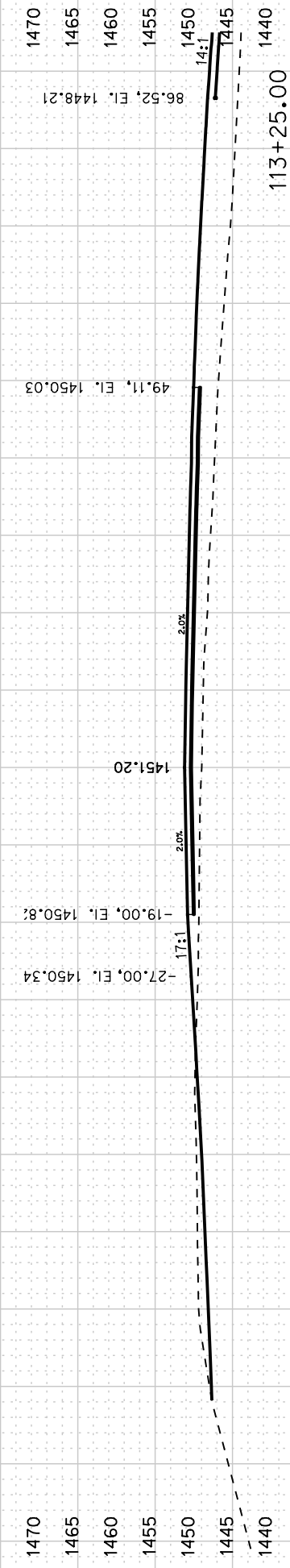
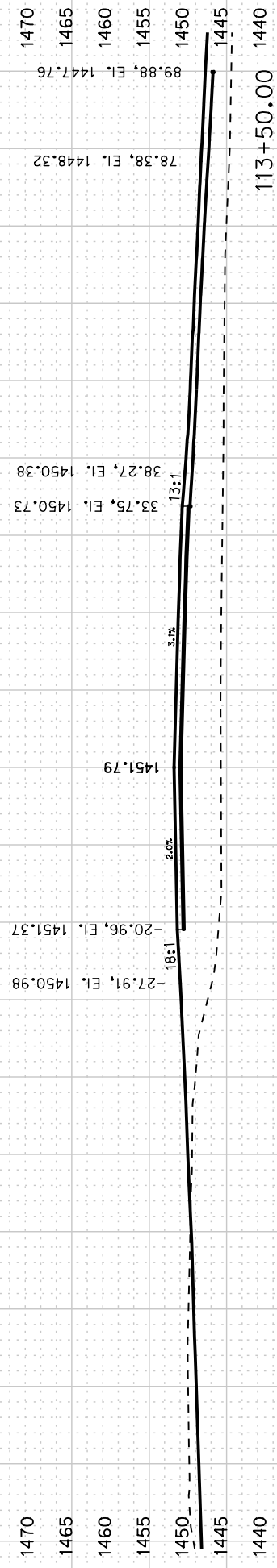
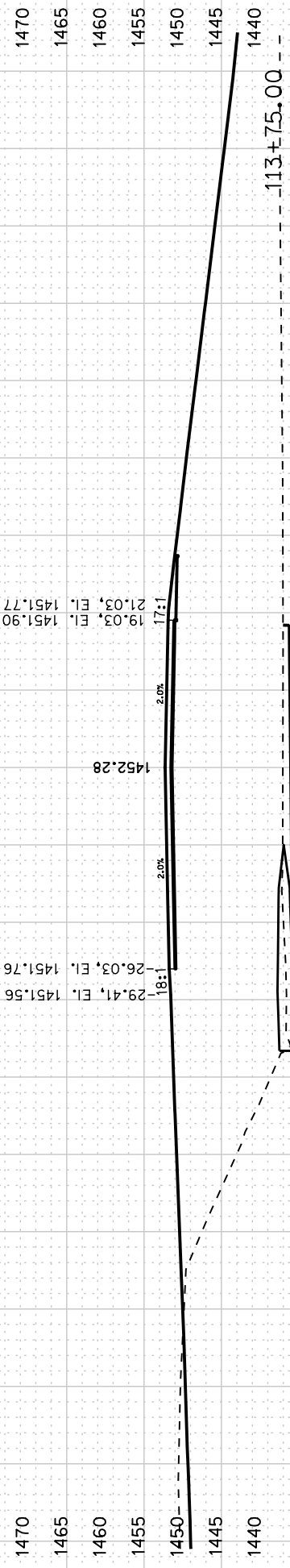
OWNERSHIP			EASEMENTS		
TRACT NO.	OWNER	DESCRIPTION	TAKING SQ. FT.	PERM. EASE. SQ. FT.	TEMP. EASE. SQ. FT.
T-1	TENNECO AUTOMOTIVE INC	SEWARD 29-11-3 TRACT IN NE 1/4 60.33 AC	-	2,751.85	-
T-2	JOHN T. & JANICE R. HEATH	28-11-3, W 1/2 NW 1/4 S OF RIVER & E HIGHWAY 127 55.18 AC	-	11,785.18	-

STA. 117+76.17, 16.04' LT.  
STA. 117+73.77, 65.99' LT.



RIGHT-OF-WAY

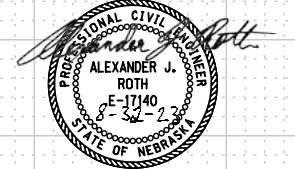
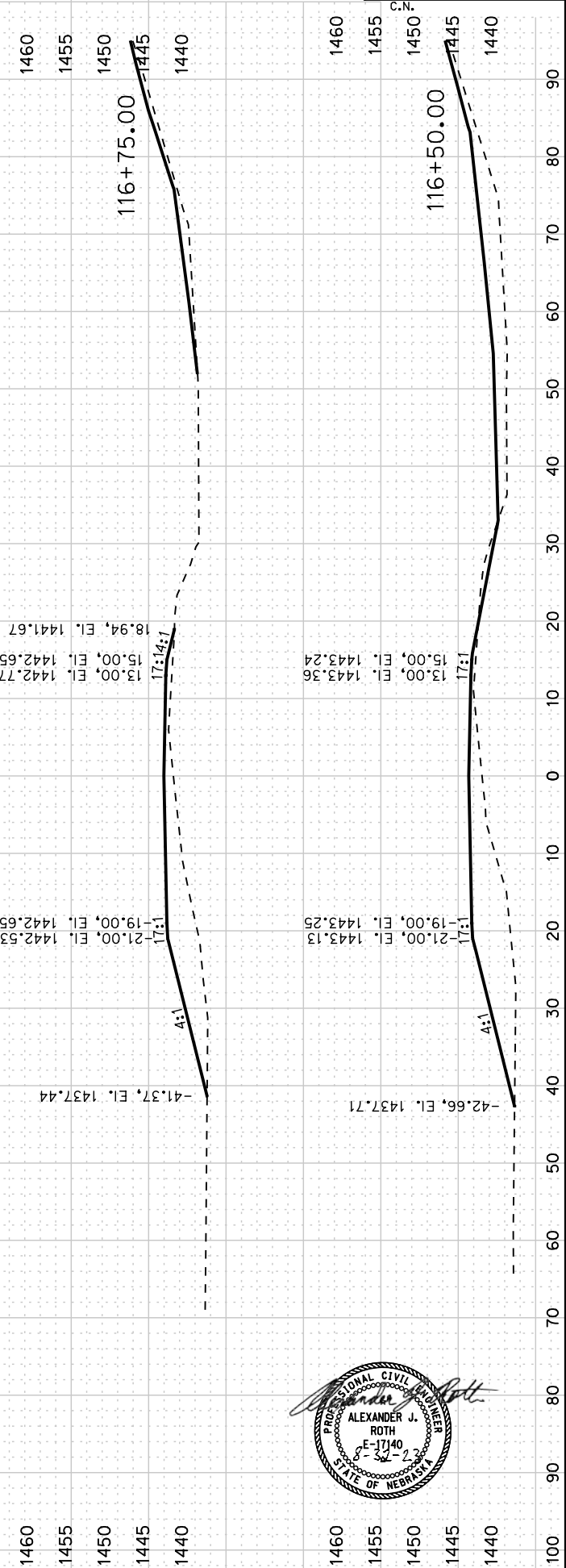


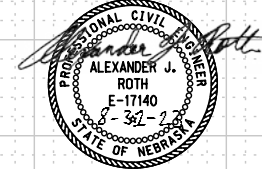
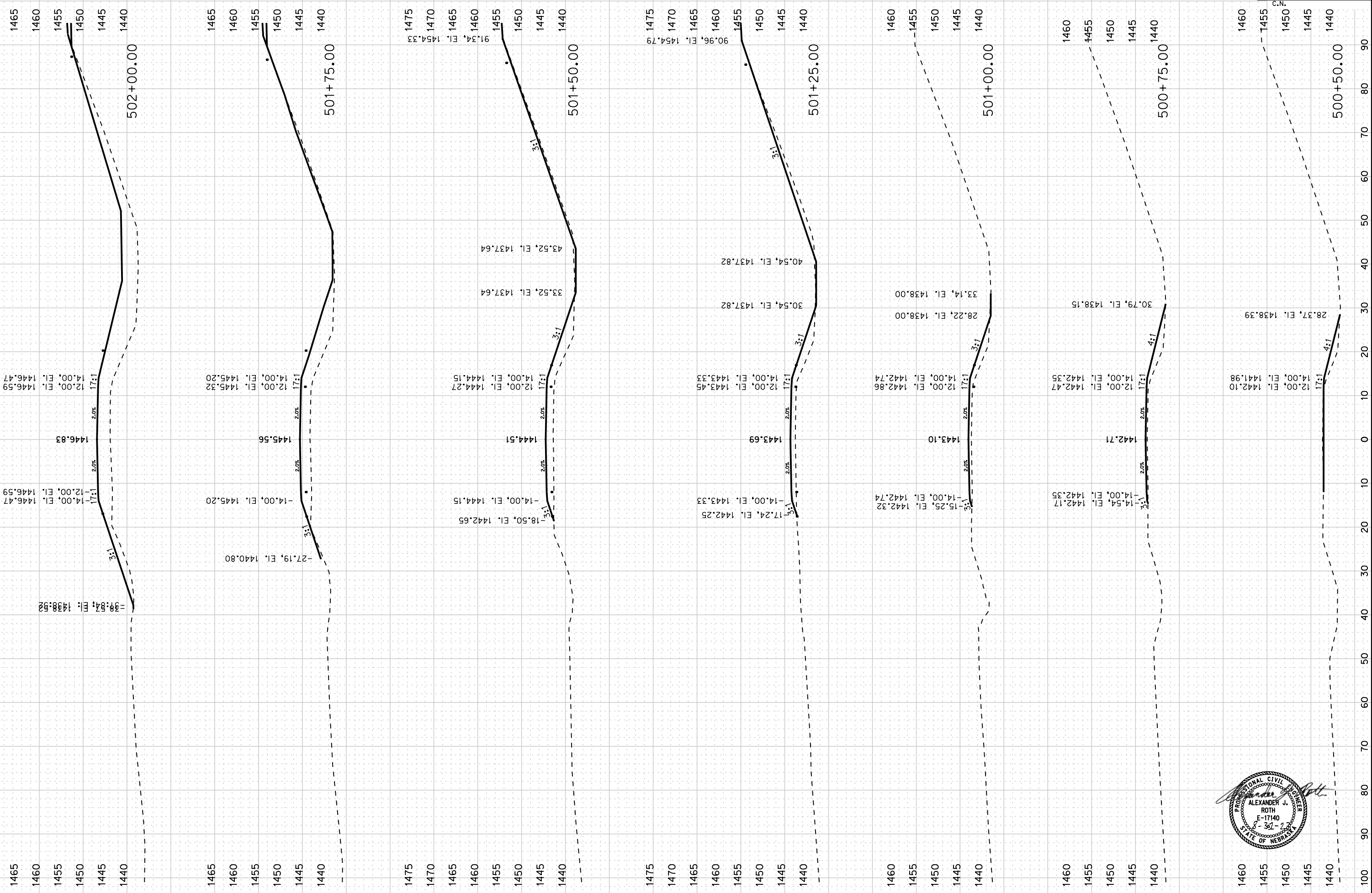




Horizontal Scale 1 : 10  
Vertical Scale 1 : 10

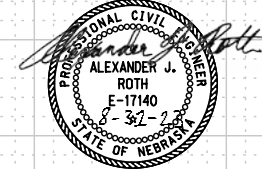
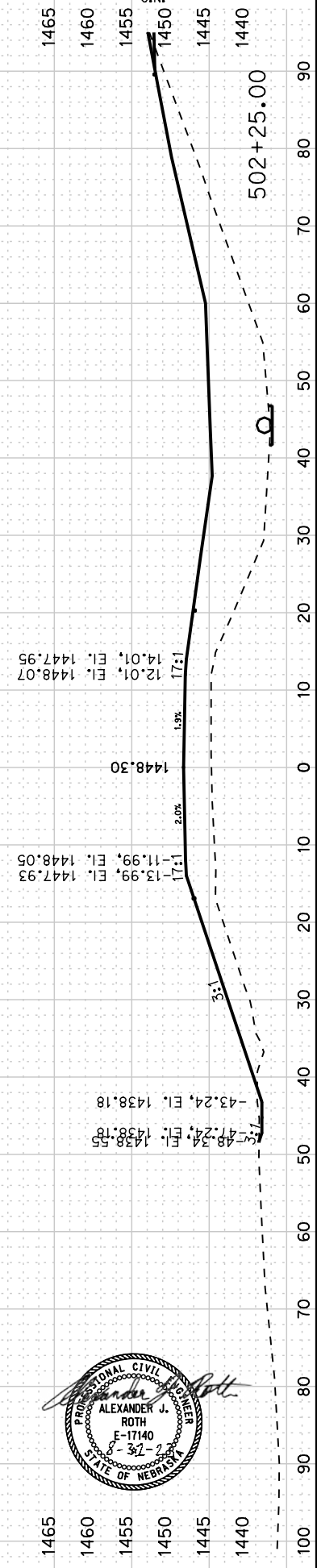
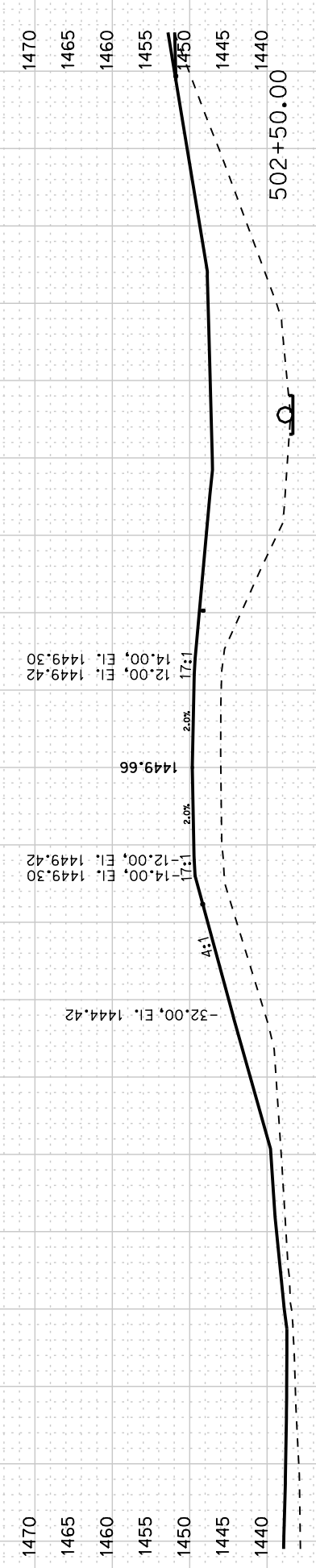
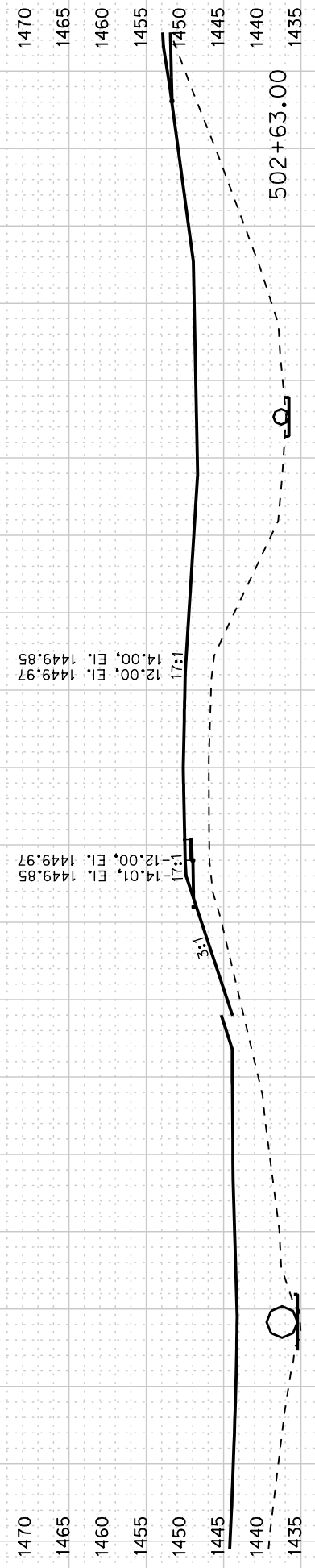
PROJECT NO.  
09193.001  
SHEET NO.  
X4

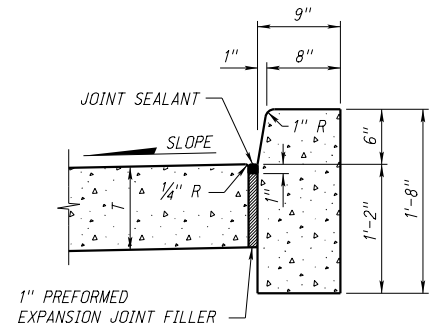




Horizontal Scale 1 : 10  
Vertical Scale 1 : 10

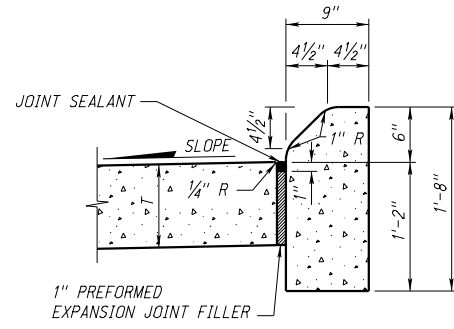
PROJECT NO.  
09193.001  
SHEET NO.  
X6





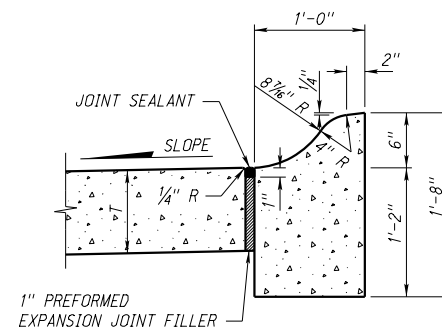
**CONCRETE BARRIER CURB \***

QUANTITIES  
 CONCRETE 4.55 CU. YDS./STA.  
 AREA 1,228 SQ. FT.



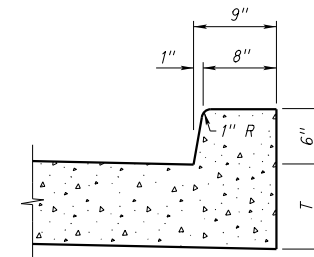
**CONCRETE MEDIAN CURB \***

QUANTITIES  
 CONCRETE 4.42 CU. YDS./STA.  
 AREA 1,192 SQ. FT.



**CONCRETE CURB, \*  
TYPE I**

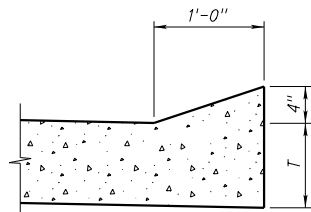
QUANTITIES  
 CONCRETE 5.22 CU. YDS./STA.  
 AREA 1,408 SQ. FT.



**INTEGRAL CONCRETE BARRIER CURB**

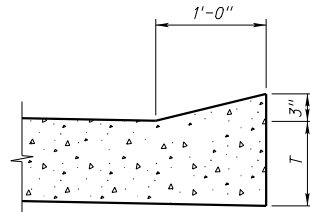
QUANTITIES  
 CONCRETE 1.33 CU. YDS./STA.  
 AREA 0.359 SQ. FT.

NOTE: \* ONE INCH PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100 FEET THRU CONCRETE BARRIER CURB, CONCRETE MEDIAN CURB, AND CONCRETE CURB, TYPE I.



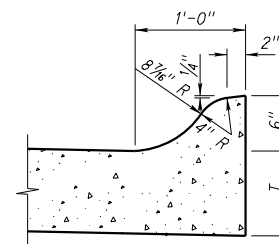
**INTEGRAL CONCRETE SLOPING CURB**

QUANTITIES  
 CONCRETE 0.62 CU. YDS./STA.  
 AREA 0.167 SQ. FT.



**INTEGRAL CONCRETE SLOPING CURB**

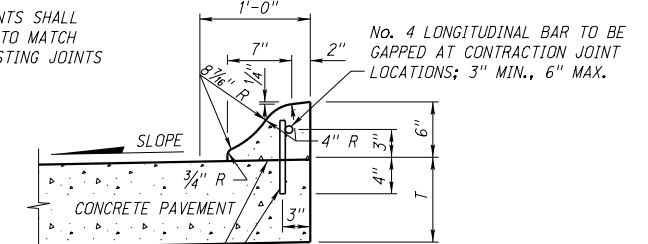
QUANTITIES  
 CONCRETE 0.46 CU. YDS./STA.  
 AREA 0.123 SQ. FT.



**INTEGRAL CONCRETE CURB**

QUANTITIES  
 CONCRETE 0.89 CU. YDS./STA.  
 AREA 0.239 SQ. FT.

CONTRACTION JOINTS SHALL BE CONSTRUCTED TO MATCH LOCATION OF EXISTING JOINTS

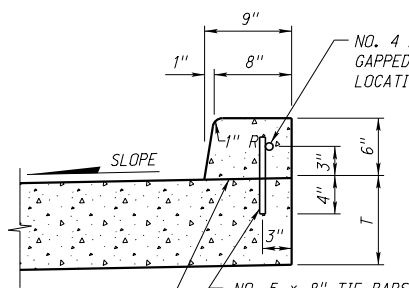


THE AREA BETWEEN CURB AND EXISTING CONCRETE PAVEMENT TO BE CLEANED AND ROUGHENED AS DIRECTED BY THE ENGINEER

**CONCRETE CURB, TYPE II**

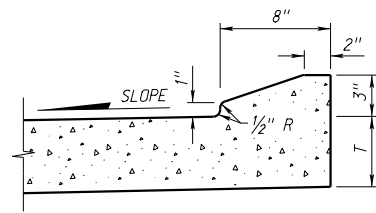
QUANTITIES  
 CONCRETE 0.87 CU. YDS./STA.  
 AREA 0.234 SQ. FT.

NOTE: T = PAVEMENT THICKNESS



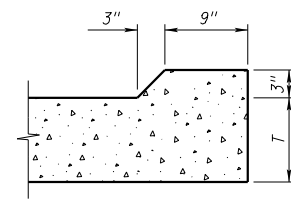
**CONCRETE BARRIER CURB ALTERNATE**

QUANTITIES  
 CONCRETE 1.33 CU. YDS./STA.  
 AREA 0.359 SQ. FT.



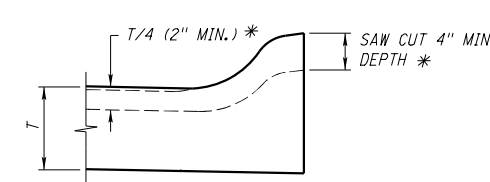
**INTEGRAL CONCRETE TRUCK APRON CURB**

QUANTITIES  
 CONCRETE 0.47 CU. YDS./STA.  
 AREA 0.127 SQ. FT.



**EROSION CONTROL CURB**

QUANTITIES  
 CONCRETE 0.81 CU. YDS./STA.  
 AREA 0.219 SQ. FT.



**CONTRACTION JOINT THRU CURB**

\* FOR NON-INTEGRAL CURB THE CONTRACTION JOINTS MAY BE MADE WITH A DOUBLE EDGER WHILE THE CONCRETE IS STILL PLASTIC.

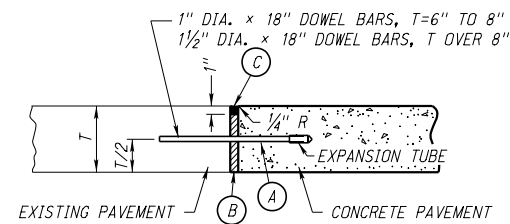
REV. NO.	DATE	DESCRIPTION OF REVISION
R12	JAN 18	NDOR BORDER TO NDOT BORDER
R11	JUL 15	ADDED TRUCK APRON CURB
R10	FEB 09	MULTIPLE REVISIONS

NEBRASKA DEPARTMENT OF TRANSPORTATION  
 STANDARD PLAN NO. 301-R12  
**PAVEMENT DETAILS**

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

PROFESSIONAL CIVIL ENGINEER  
 MICHAEL H. OWEN  
 E-6515  
 STATE OF NEBRASKA

DATE  
 ORIGINAL:  
 JANUARY 31, 1974  
 DATE



- (A) GREASE DOWEL BAR ON EXPANSION TUB SIDE
- (B) 1" PREFORMED EXPANSION JOINT FILLER
- (C) JOINT SEALANT

NOTES:

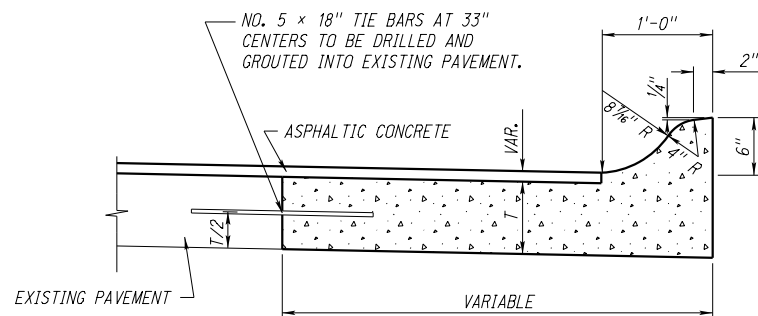
DOWEL BARS SHALL BE DRILLED TO A DEPTH OF 8" INTO EXISTING PAVEMENT AND GROUTED.

DOWEL BARS SHALL BE PLACED AT 1 FOOT CENTERS. THE OUTSIDE DOWEL BAR SHALL BE PLACED 6" FROM THE EDGE OF THE PAVEMENT.

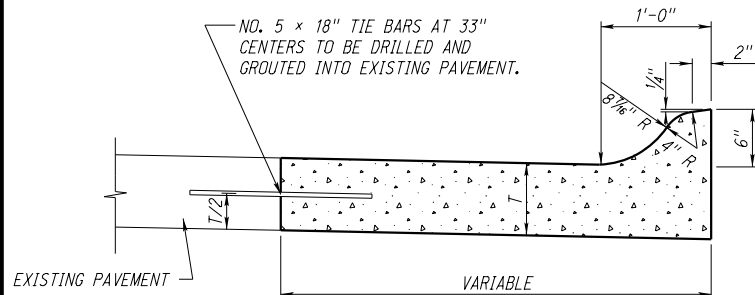
THIS JOINT SHALL BE CONSTRUCTED TRANSVERSE TO THE ROADWAY WHERE THE NEW CONCRETE ABUTS THE EXISTING CONCRETE.

DOWEL BARS SHALL BE PLACED PARALLEL TO THE ROADWAY  $\phi$  AND TO THE ROAD BED.

EXPANSION JOINT (SUBSIDIARY)

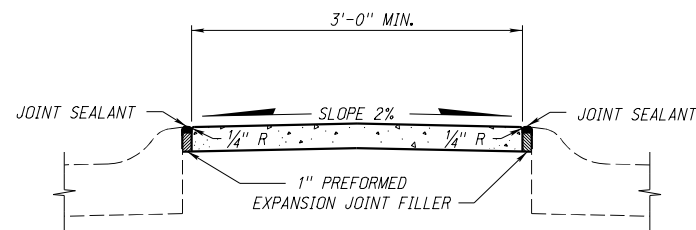


CONCRETE BASE COURSE W/INTEGRAL CURB



THE FOLLOWING NOTE IS TYPICAL FOR CONCRETE BASE COURSE WITH INTEGRAL CURB AND CONCRETE PAVEMENT WIDENING: CONTRACTION AND EXPANSION JOINTS SHALL BE CONSTRUCTED TO MATCH LOCATIONS OF EXISTING JOINTS.

CONCRETE PAVEMENT WIDENING



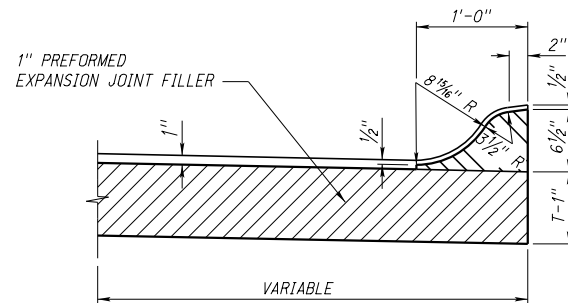
CONCRETE MEDIAN SURFACING

ONE INCH PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED ACROSS THE FULL WIDTH OF THE MEDIAN SURFACING AT INTERVALS OF NOT MORE THAN 49 FEET.

LONGITUDINAL JOINTS ONE INCH DEEP SHALL BE MADE IN ALL MEDIANS WHEN SURFACING WIDTH IS 16 FEET OR GREATER.

TRANSVERSE JOINTS ONE INCH DEEP SHALL BE MADE IN ALL MEDIANS AT INTERVALS OF NOT MORE THAN 8 FEET.

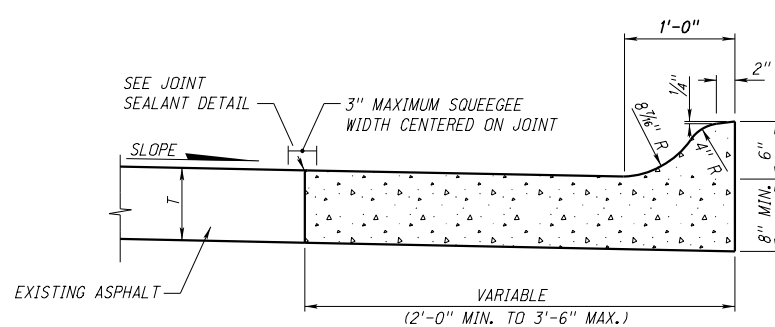
TRANSVERSE AND LONGITUDINAL JOINTS SHALL NOT BE FILLED.



ONE INCH PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED AT INTERSECTION RETURNS AND WHERE SHOWN ON THE PLANS. TRANSVERSE JOINTS SHALL BE PLACED EVERY 8 FEET OR WHERE SHOWN ON THE PLANS.

NOTE: RECESS THE EXPANSION JOINT FILLER 1/2" FROM THE TOP SURFACE OF THE CURB UNDER CONSTRUCTION

DETAIL FOR CUTTING & PLACEMENT OF EXPANSION JOINT FILLER

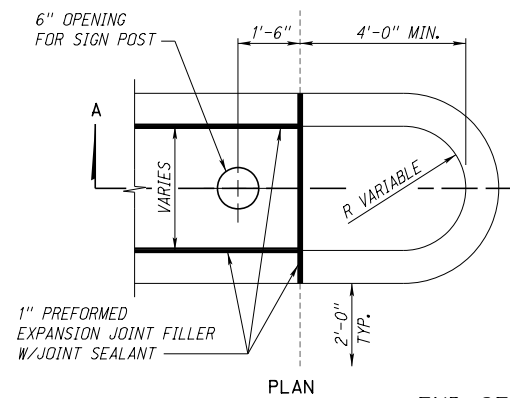


COMBINATION CONCRETE CURB & GUTTER

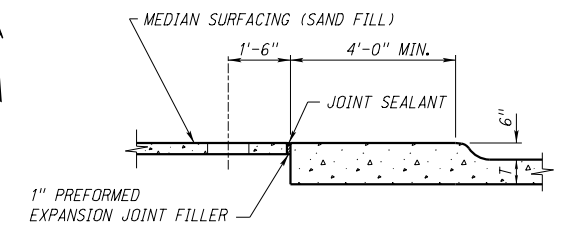
NOTE:

TRANSVERSE JOINTS SHALL BE PLACED EVERY 8 FEET AND JOINTS SHALL BE PLACED AT EACH HEADER, 2-NO. 5 x 18" TIE BARS ARE TO BE USED.

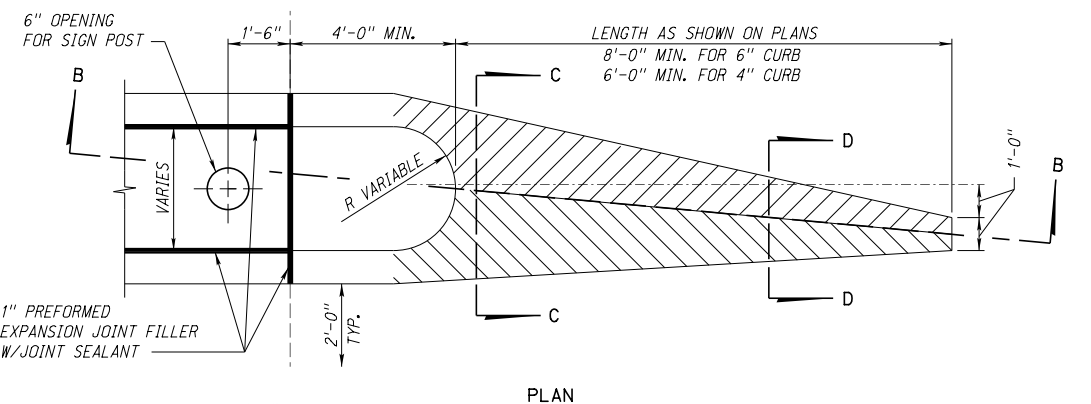
PLACE 1" PREFORMED EXPANSION JOINT FILLER AND SEAL AT THE RETURN OF RADIUS AT INTERSECTIONS.



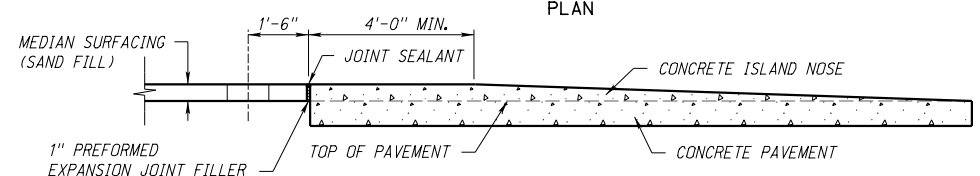
END OF MEDIAN ISLAND



SECTION A-A



PLAN



SECTION B-B



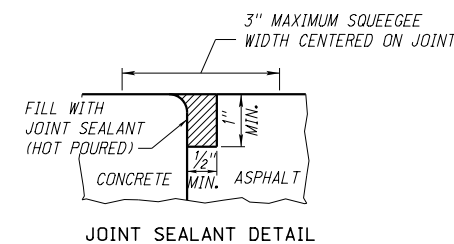
SECTION C-C



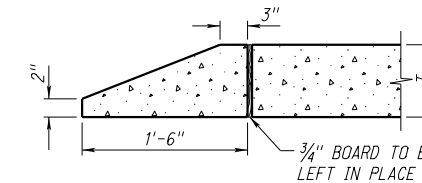
SECTION D-D

CONCRETE ISLAND NOSE

NOTE: EXISTING CONCRETE PAVEMENT IS TO BE REMOVED TO BUILD CONCRETE ISLAND NOSE.



JOINT SEALANT DETAIL



CONCRETE HEADER

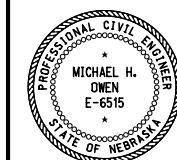
NOTE: T = PAVEMENT THICKNESS

REV. NO.	DATE	DESCRIPTION OF REVISION
R12	JAN 18	NDOR BORDER TO NDOT BORDER
R11	JUL 15	ADDED TRUCK APRON CURB
R10	FEB 09	MULTIPLE REVISIONS

NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 301-R12

PAVEMENT DETAILS

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

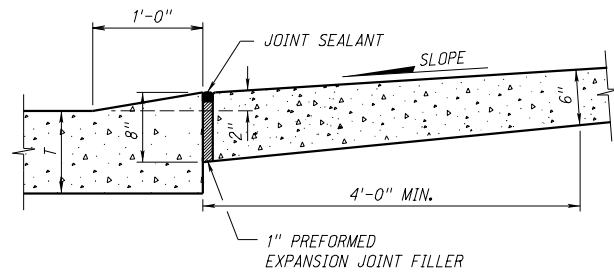


DATE

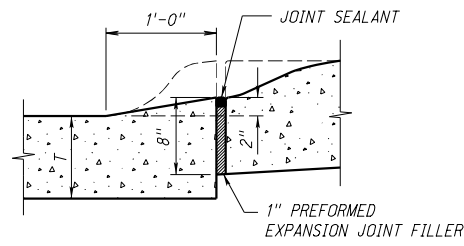
DATE

ORIGINAL: JANUARY 31, 1974

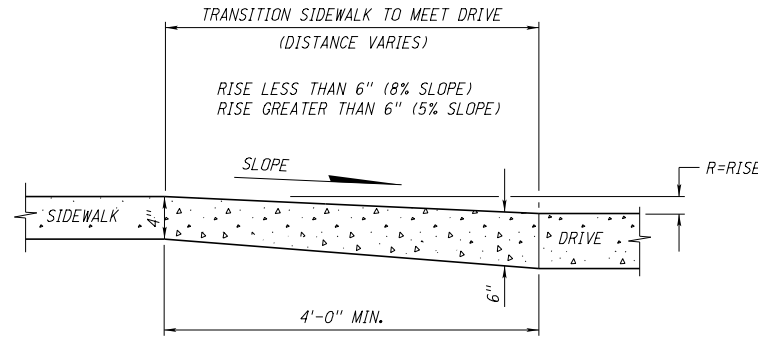
DATE



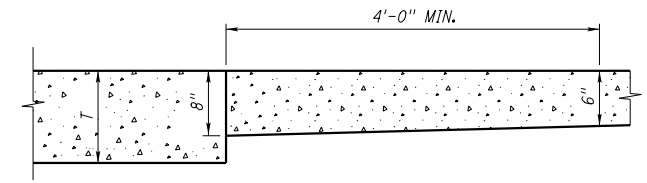
SECTION E-E



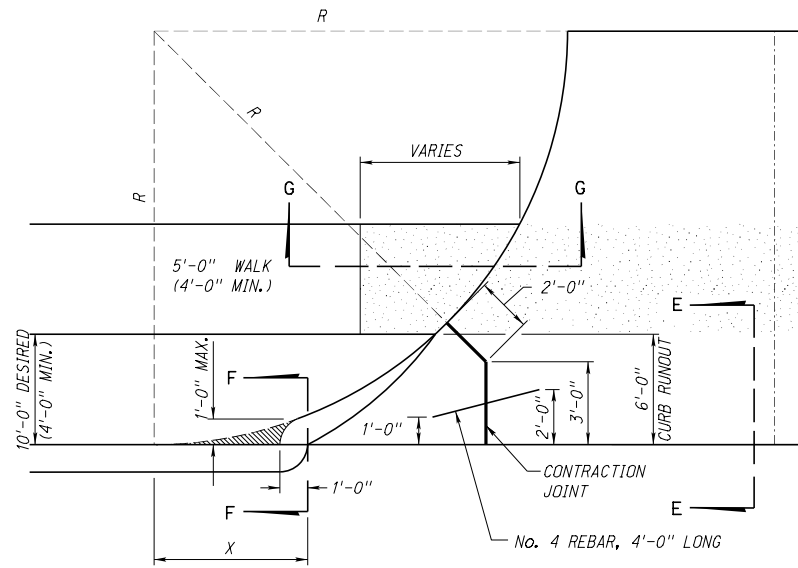
SECTION F-F



SECTION G-G



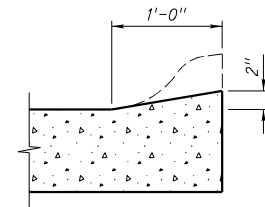
(RURAL DRIVEWAY)



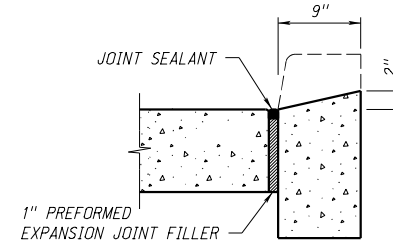
URBAN DRIVEWAY PLAN

R	X
10'-0"	4.6'
15'-0"	5.6'
20'-0"	6.0'
25'-0"	7.0'
30'-0"	8.0'
35'-0"	8.6'
40'-0"	9.0'

R = RADIUS  
 $X = \sqrt{(2R-1)}$   
 (X & R IN FEET)

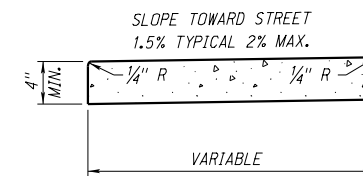


INTEGRAL CURB

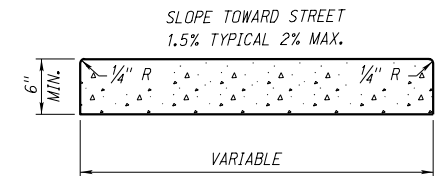


BARRIER CURB

DETAILS OF CURB DROPS



SIDEWALK

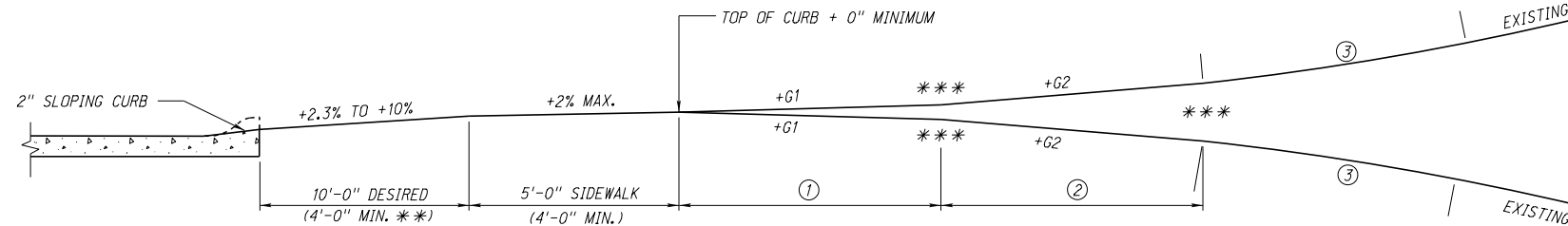


SIDEWALK AT DRIVEWAY

NOTE:

1 INCH PREFORMED EXPANSION JOINT FILLER SHALL BE PLACED IN ALL SIDEWALKS OR CROSSWALKS AT INTERVALS OF NOT MORE THAN 50 FOOT, AND AT ALL POINTS WHERE SIDEWALKS OR CROSSWALKS ARE ADJACENT TO CURB. IF SIDEWALK OR CROSSWALK TO BE CONSTRUCTED IS LESS THAN 50 FOOT IN LENGTH, ONE SUCH EXPANSION JOINT SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

NOTE: T = PAVEMENT THICKNESS



PROFILE URBAN DRIVEWAY WITH SIDEWALK (MAXIMUM PERCENT OF GRADE)

DRIVEWAY TYPE	G1 (MAX.)	G2 (MAX.)
COMMERCIAL, INDUSTRIAL	±5%	±8%
DWELLINGS (RESIDENTIAL)	±8%	±15%

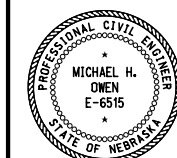
- ① 10'-0" MINIMUM IS REQUIRED WHEN THE EXISTING GRADE IS GREATER THAN ±8%
- ② 10'-0" MINIMUM IS REQUIRED WHEN THE EXISTING GRADE IS GREATER THAN ±15%
- ③ 10'-0" MINIMUM ROUNDING IS REQUIRED WHEN THE EXISTING GRADE IS GREATER THAN ±22%

\*\*\*0 FEET IS ALLOWED IN URBAN BUSINESS DISTRICTS WITH SIDEWALKS OF 6 FEET MINIMUM WIDTH.  
 \*\*\* 10 FEET MINIMUM ROUNDING DESIRABLE FOR THE FOLLOWING GRADE CHANGES.

REV. NO.	DATE	DESCRIPTION OF REVISION
R12	JAN 18	NDOR BORDER TO NDOT BORDER
R11	JUL 15	ADDED TRUCK APRON CURB
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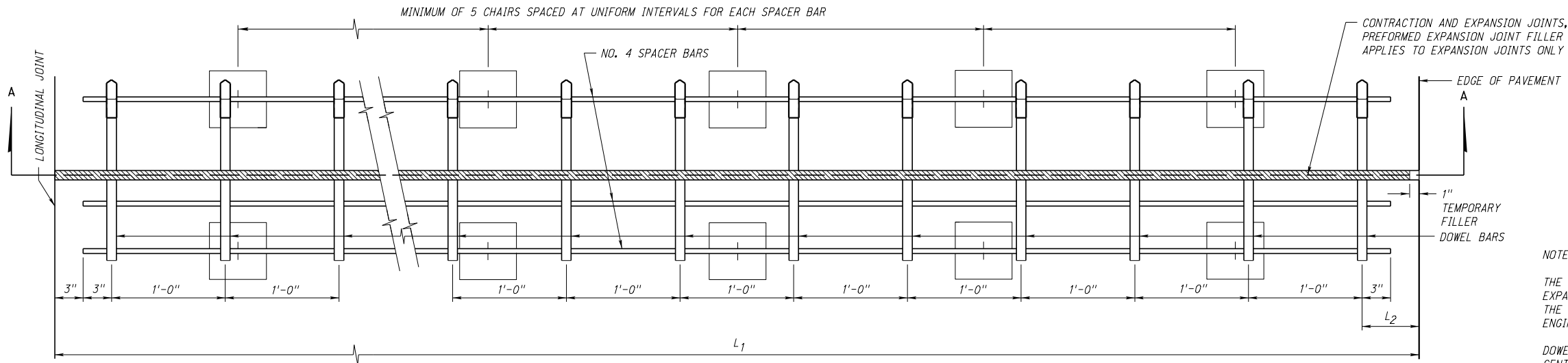
NEBRASKA DEPARTMENT OF TRANSPORTATION  
 STANDARD PLAN NO. 301-R12  
**PAVEMENT DETAILS**

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:



DATE  
 ORIGINAL:  
 JANUARY 31, 1974  
 DATE

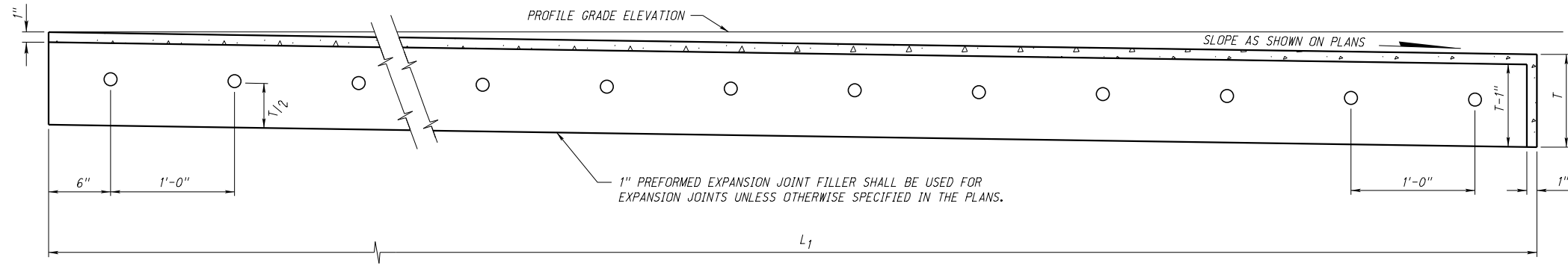
3  
 3



ASSEMBLY PLAN

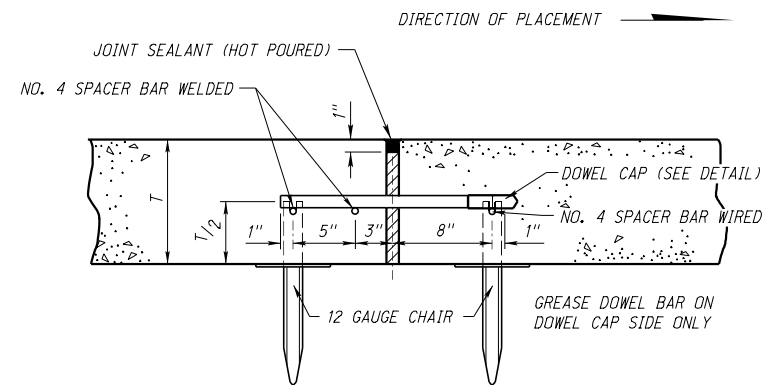
DOWEL BAR HEIGHT AND DIAMETER			
PAVEMENT THICKNESS (T)	MINIMUM BAR DIA.	DOWEL BAR HEIGHT (T/2)	SKEW TOLERANCE
LESS THAN 10"	1 1/4"	T/2 ± 1/2"	1/4"
10" OR MORE	1 1/2"	T/2 ± 1/2"	1/4"

DOWEL BAR LOCATION TABLE			
L <sub>1</sub>	L <sub>2</sub>	#BARS	DESCRIPTION
* LESS THAN 12'-0"	6"	VARIES	IRREGULAR AREAS (WIDEN, FILLETS, GORE...)
12'-0"	6"	12	12'-0" PAVEMENT
14'-0"	2'-6"	12	14'-0" PAVEMENT
15'-0"	2'-6"	13	15'-0" PAVEMENT (INCLUDES 3'-0" SHOULDER)
16'-0"	3'-6"	13	16'-0" PAVEMENT (INCLUDES 4'-0" SHOULDER)
16'-0"	6"	16	16'-0" RAMP & LOOPS
LESS THAN 14'-6"	1'-6"	VARIES	PAVEMENT WITH CURB
14'-6" OR MORE	2'-6"	VARIES	

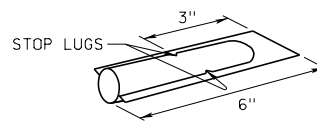


SECTION A-A

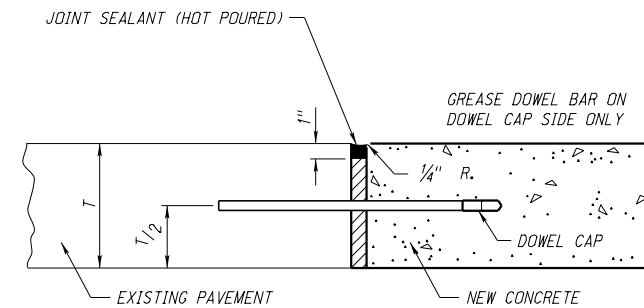
CONTRACTION AND EXPANSION JOINTS (PREFORMED EXPANSION JOINTS FILLER APPLIES TO EXPANSION JOINTS ONLY)



SECTION



DOWEL CAP (SUBSIDIARY)



NOTES:  
DOWEL BARS SHALL BE DRILLED TO A DEPTH OF 8" INTO EXISTING PAVEMENT AND EPOXIED.

SECTION

NOTES:

THE CONTRACTOR MAY SUBSTITUTE OTHER DESIGNS FOR EXPANSION AND CONTRACTION JOINT SUPPORTS IN LIEU OF THE TYPE SHOWN WITH PRIOR WRITTEN APPROVAL BY THE ENGINEER.

DOWEL BARS SHALL BE A MINIMUM OF 17 3/4" IN LENGTH, CENTERED ON JOINTS AND BE SMOOTH BARS.

TIE BARS SHALL BE DEFORMED BARS.

FOR LOAD TRANSFER DEVICES AT EXPANSION JOINTS IN LANES OTHER THAN THE LANES SHOWN, MAINTAIN THE SPACING OF THE 1'-6" DOWEL BARS AT 1 FT. INTERVALS.

THE ENDS OF THE NO. 4 SPACER BARS SHALL NOT BE LESS THAN 3" FROM THE EDGES OF THE PAVEMENT OR THE LONGITUDINAL JOINT.

TIE, DOWEL & SPACER BARS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

KEY TYPE LONGITUDINAL JOINTS AND TRANSVERSE CONSTRUCTION JOINTS SHALL BE EDGED WITH 1/4" R. AT TIME OF CONCRETE PLACEMENT.

CONCRETE PAVEMENT SHALL BE TINED UNLESS OTHERWISE SHOWN IN THE PLANS.

EXPANSION JOINTS SHALL BE INSTALLED AT LOCATIONS SHOWN IN THE PLANS.

PAVEMENT PLACED ADJACENT TO R.R. TRACKS REQUIRES 3-EXPANSION JOINTS SPACED AT APPROXIMATELY 49'-6" INTERVALS.

EXPANSION JOINTS SHALL NOT BE SKEWED.

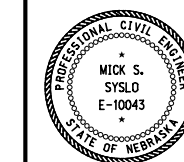
T = PAVEMENT THICKNESS

\* THE DEPARTMENT REQUIRES THAT DOWEL BASKETS BE PLACED IN ALL CONTRACTION JOINTS WHICH ARE 6'-0" OR WIDER. THE DOWEL BASKETS SHALL BE PLACED TRANSVERSE TO THE DIRECTION OF THE PREDOMINANT TRAFFIC DIRECTION.

REV. NO.	DATE	DESCRIPTION OF REVISION
R11	JUL 20	CHANGED TILING INFORMATION
R10	JAN 18	CHANGED DOWEL BAR LOCATION TABLE
R9	JUL 11	JOINT: EARLY SAW CUT

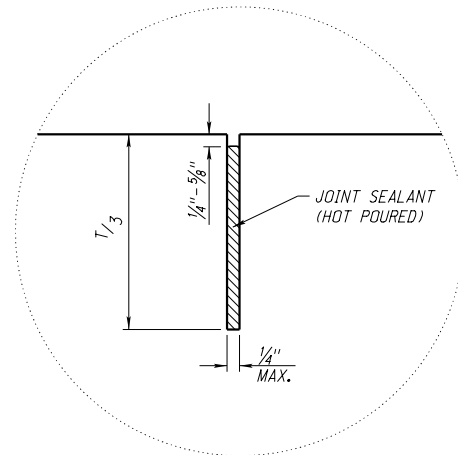
NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 329-R11  
**8 TO 16 INCH  
CONCRETE PAVEMENT**

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

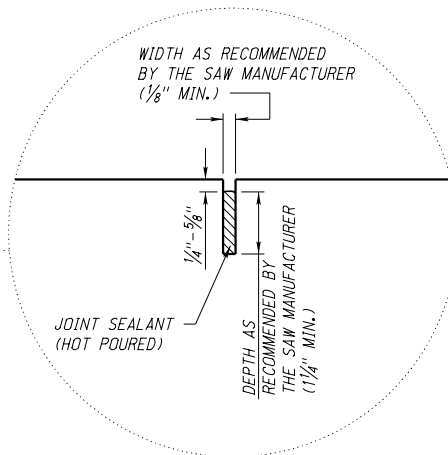


DATE  
ORIGINAL:  
OCTOBER 25, 1994  
DATE

1  
4



CONVENTIONAL SAWING

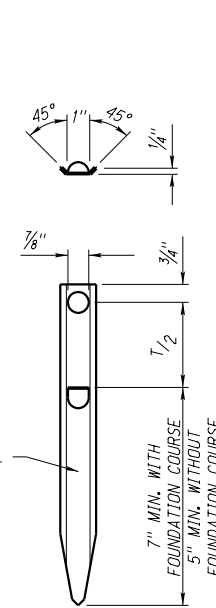


EARLY-SAW CUT

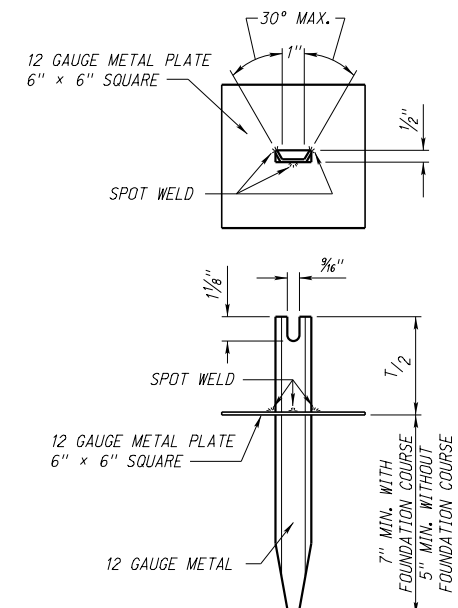
OR

JOINT DETAIL

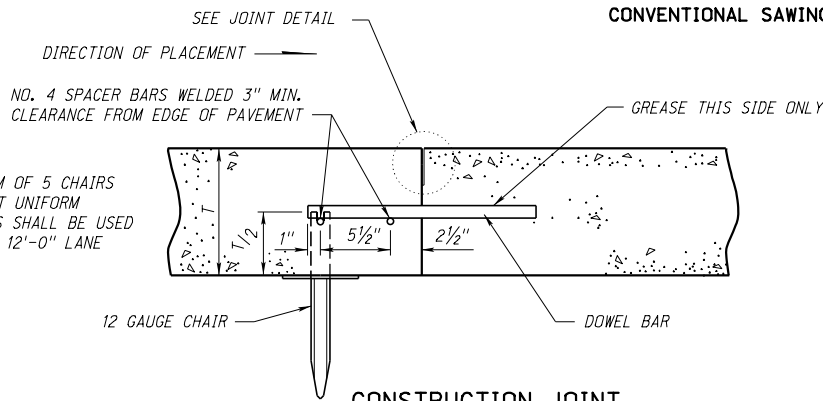
THE DOWEL BAR SPACING SHALL BE THE SAME AS SHOWN FOR THE EXPANSION JOINT. REFER TO DOWEL BAR LOCATION TABLE AND THE DOWEL BAR HEIGHT AND DIAMETER TABLE ON SHEET 1 OF 4.



TIE BAR PIN

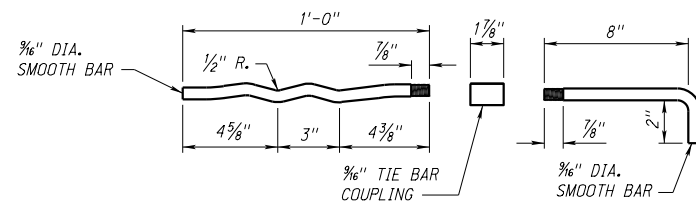


CHAIR

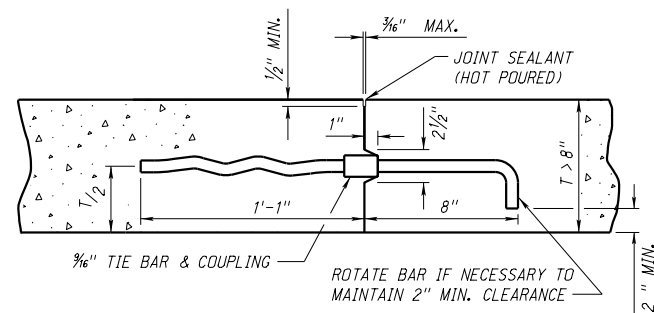


CONSTRUCTION JOINT  
(BARS ARE SUBSIDIARY TO PAVEMENT)

A MINIMUM OF 5 CHAIRS PLACED AT UNIFORM INTERVALS SHALL BE USED FOR EACH 12'-0" LANE

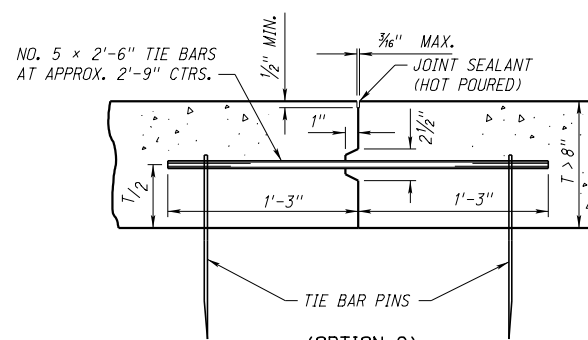


DETAILS OF "W" BAR



(OPTION 1)  
KEY TYPE

NO. 5 HOOK AND W-BARS AT APPROX. 2'-9" CTRS. OR 3/16" HOOK AND W-BARS AT APPROX. 2'-9" CTRS.

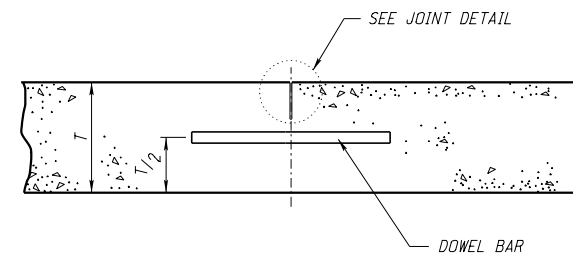


(OPTION 2)  
KEY TYPE

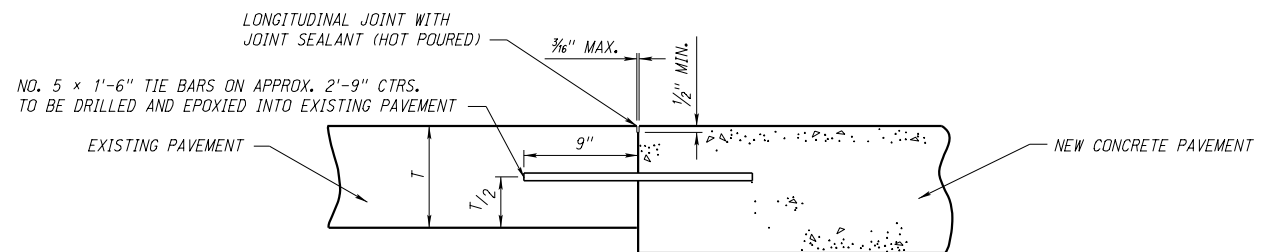
KEY TYPE JOINT SHALL BE USED ON ALL LONGITUDINAL CONSTRUCTION JOINTS WHEN THE ADJACENT LANE IS NOT PLACED AT THE SAME TIME

NOTE: NO TIE BARS SHALL BE CLOSER THAN 1'-3" TO A TRANSVERSE JOINT. ALL LONGITUDINAL JOINTS BETWEEN LANES AND BETWEEN LANES AND SHOULDERS MUST BE TIED. MEDIAN SHOULD NOT BE TIED.

LONGITUDINAL JOINTS

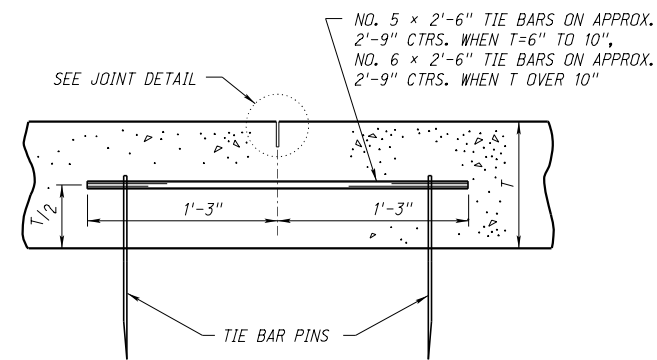


CONTRACTION JOINT



TIE BARS ARE TO BE INSTALLED WHERE NEW CONCRETE PAVEMENT IS PLACED ADJACENT TO EXISTING CONCRETE PAVEMENT

DETAILS OF TIE BAR



SAWED

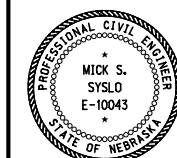
WHEN TWO ADJACENT LANES ARE PLACED AT THE SAME TIME, THE LONGITUDINAL JOINT COMMON TO THE LANES SHALL BE SAWED

NOTE: T = PAVEMENT THICKNESS

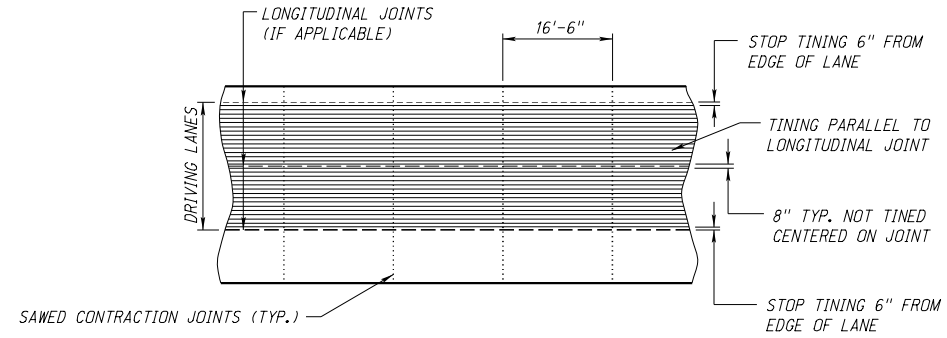
R11	JUL 20	CHANGED TINING INFORMATION
R10	JAN 18	CHANGED DOWEL BAR LOCATION TABLE
R9	JUL 11	JOINT: EARLY SAW CUT
REV. NO.	DATE	DESCRIPTION OF REVISION

NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 329-R11  
**8 TO 16 INCH  
CONCRETE PAVEMENT**

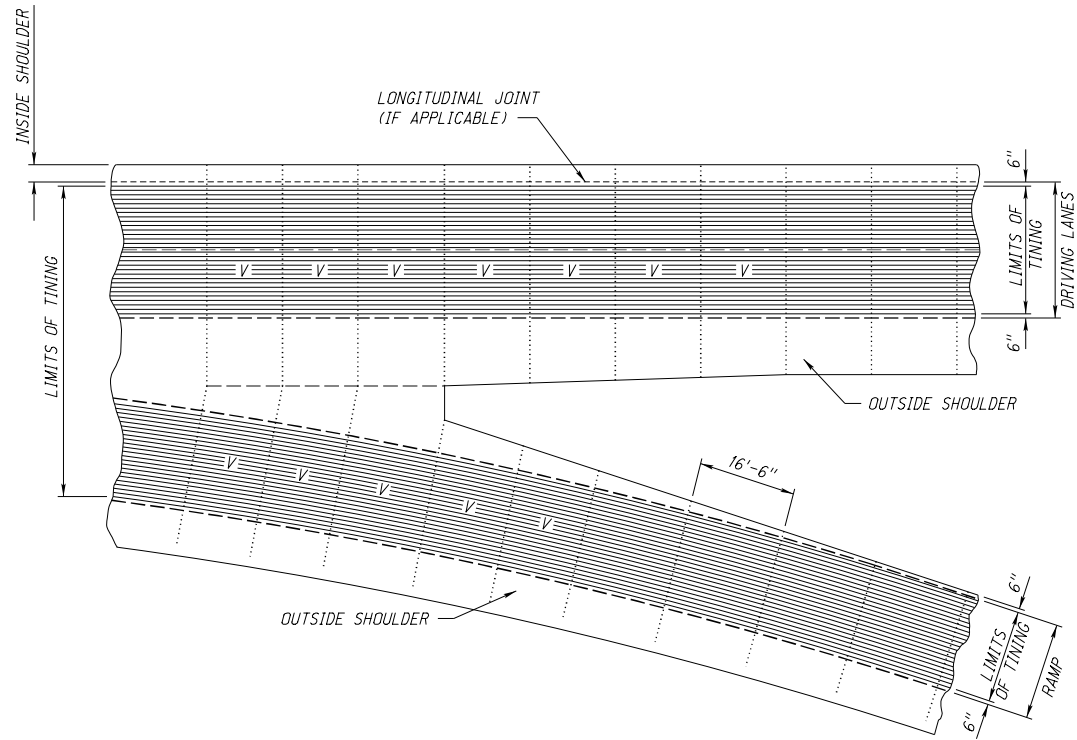
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:



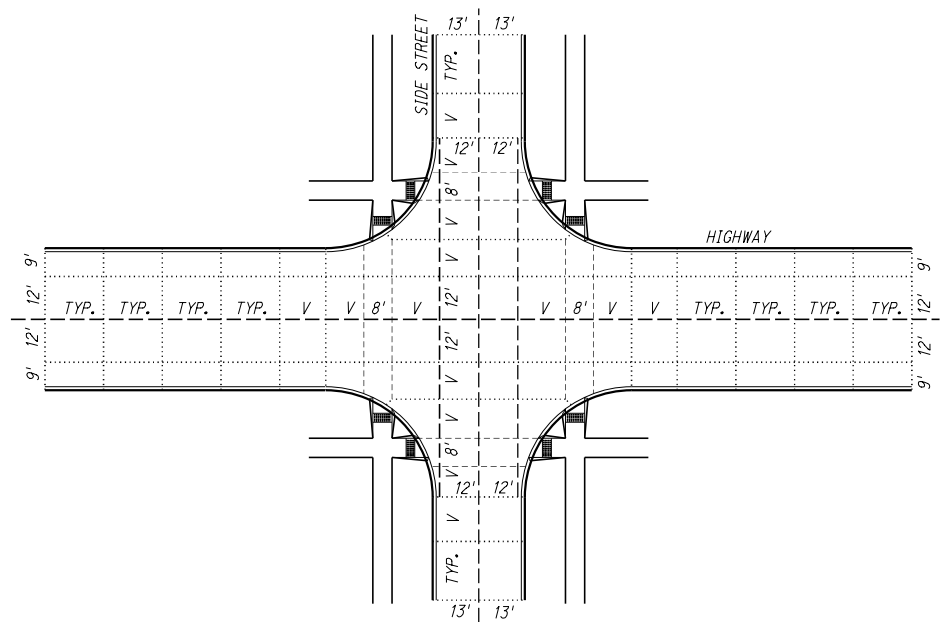
DATE  
ORIGINAL:  
OCTOBER 25, 1994  
DATE



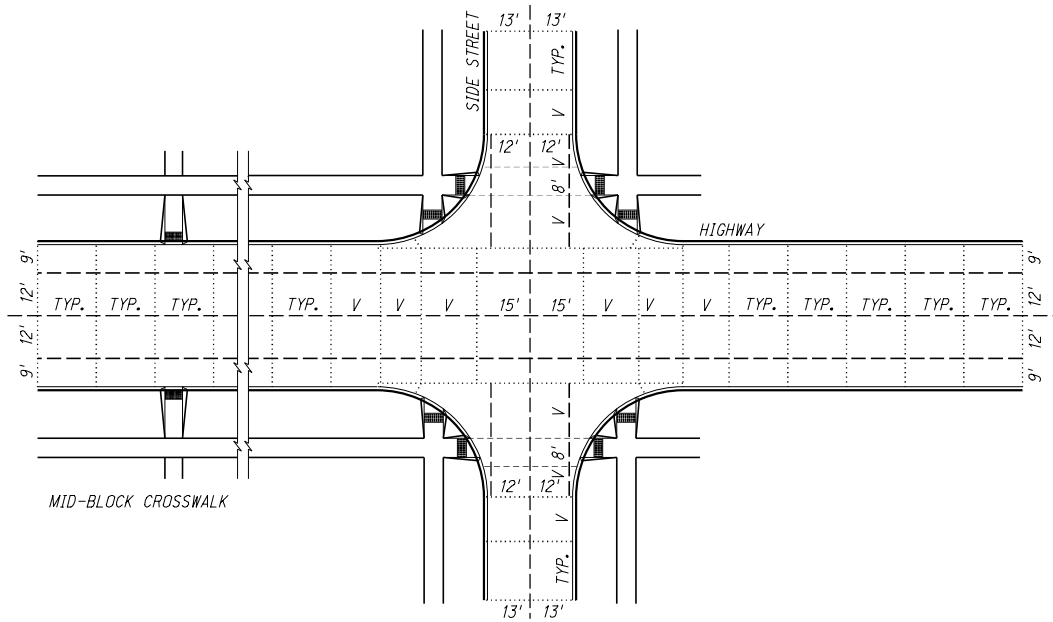
TINING WITH CONCRETE SHOULDER



TINING LIMITS GORE AREA



STOP OR YIELD CONTROL ON ALL FOUR LEGS



STOP OR YIELD CONTROL ON THE SIDE STREETS ONLY

NOTES:

TINING IS REQUIRED FOR PAVEMENT WITH POSTED SPEEDS GREATER THAN 40 MPH (INCLUDING TURN LANES).

16'-6" TRANSVERSE JOINT SPACING IS THE STANDARD JOINT SPACING REGARDLESS OF THE PAVEMENT THICKNESS.

V VARIES FROM 10'-0" TO MAX. 16'-6".


THE LONGITUDINAL JOINT BETWEEN THE SHOULDER AND THE 12'-0" DRIVING LANE IS NOT REQUIRED FOR SHOULDER WIDTHS OF 4'-0" OR LESS.

TRANSVERSE JOINTS FOR DOWELED CONCRETE PAVEMENT SHALL BE CONSTRUCTED PERPENDICULAR TO THE ROADWAY.

R11	JUL 20	CHANGED TINING INFORMATION
R10	JAN 18	CHANGED DOWEL BAR LOCATION TABLE
R9	JUL 11	JOINT: EARLY SAW CUT
REV. NO.	DATE	DESCRIPTION OF REVISION

NEBRASKA DEPARTMENT OF TRANSPORTATION  
 STANDARD PLAN NO. 329-R11  
**8 TO 16 INCH  
 CONCRETE PAVEMENT**

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

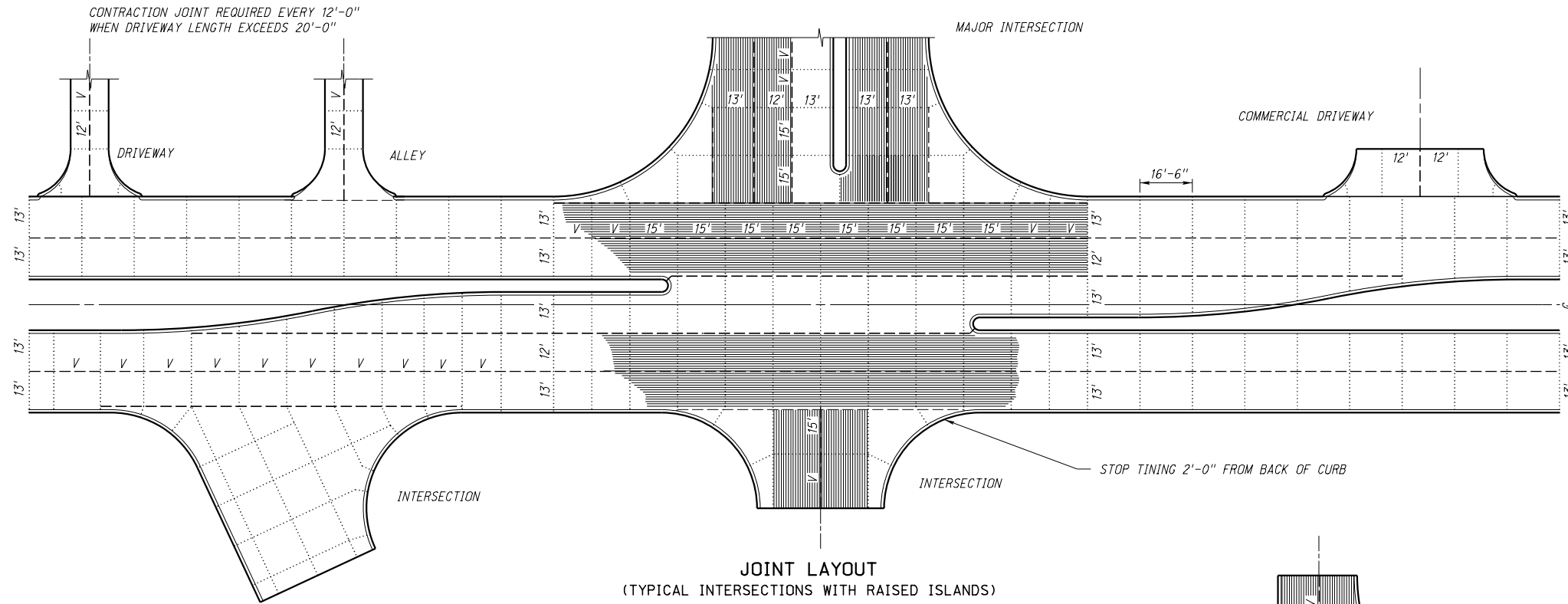


DATE \_\_\_\_\_

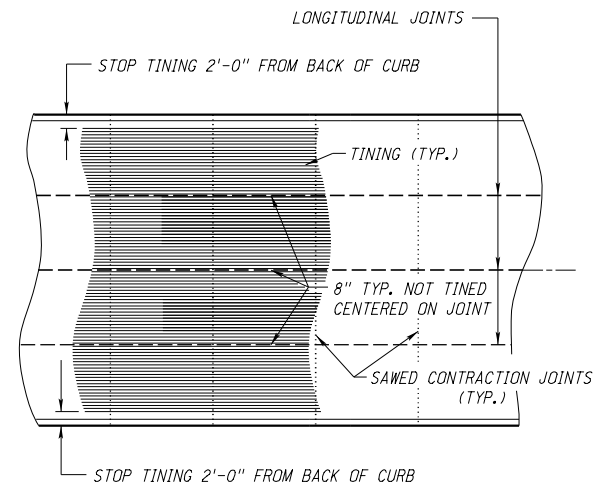
ORIGINAL: OCTOBER 25, 1994

DATE \_\_\_\_\_

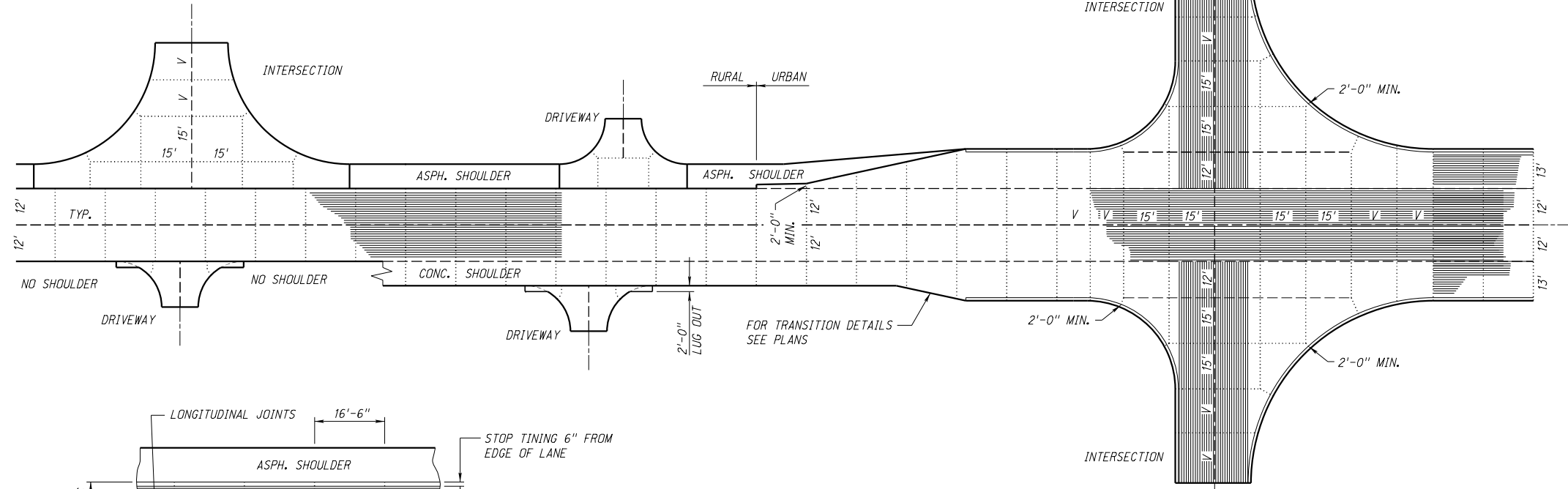
3  
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**JOINT LAYOUT**  
(TYPICAL INTERSECTIONS WITH RAISED ISLANDS)



**TINING LIMITS**



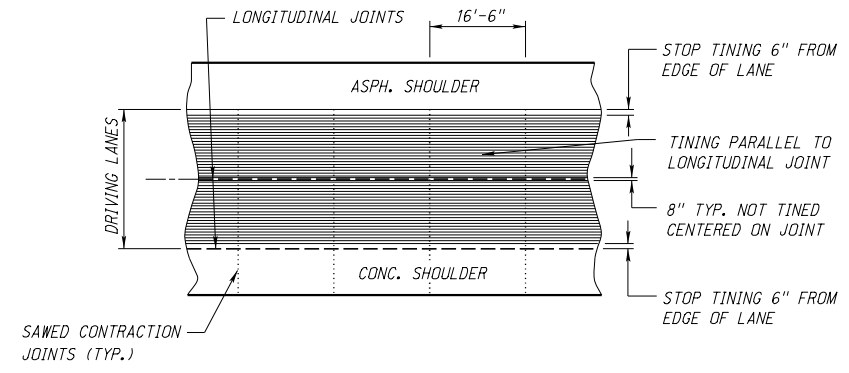
**JOINT LAYOUT**  
(TYPICAL INTERSECTIONS & DRIVES)

**LEGEND**

- ..... SAWED CONTRACTION JOINT
- LONGITUDINAL JOINT

**NOTES:**

- TINING IS REQUIRED FOR PAVEMENT WITH POSTED SPEEDS GREATER THAN 40 MPH (INCLUDING TURN LANES).
- 16'-6" TRANSVERSE JOINT SPACING IS THE STANDARD JOINT SPACING REGARDLESS OF THE PAVEMENT THICKNESS.
- V VARIES FROM 10'-0" TO MAX. 16'-6".
- VARIABLE SPACING IS USED AROUND INTERSECTIONS AND LARGE DRIVEWAYS WHICH IS TIED TO THE CONCRETE LANES OR SHOULDERS TO MATCH THE JOINTS.

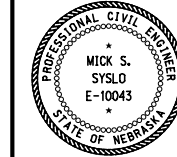


**RURAL TINING LIMITS WITH SURFACED SHOULDERS**

REV. NO.	DATE	DESCRIPTION OF REVISION
R11	JUL 20	CHANGED TINING INFORMATION
R10	JAN 18	CHANGED DOWEL BAR LOCATION TABLE
R9	JUL 11	JOINT: EARLY SAW CUT

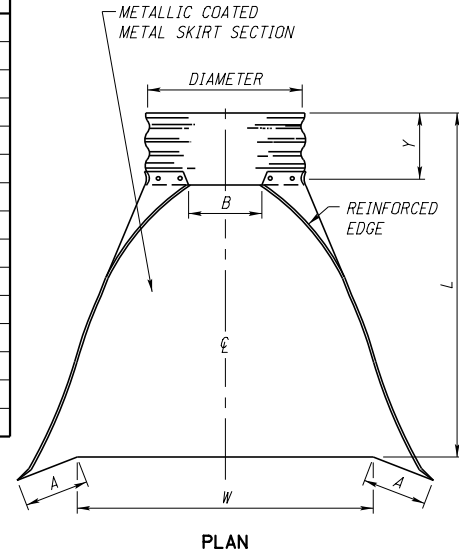
NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 329-R11  
**8 TO 16 INCH  
CONCRETE PAVEMENT**

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

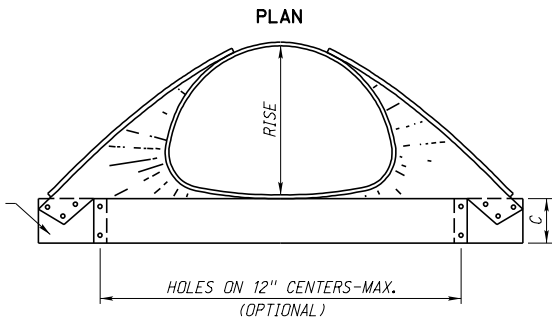
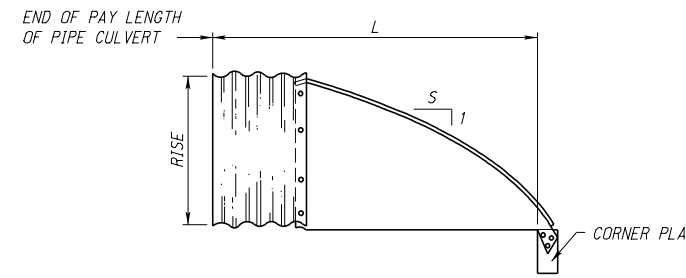
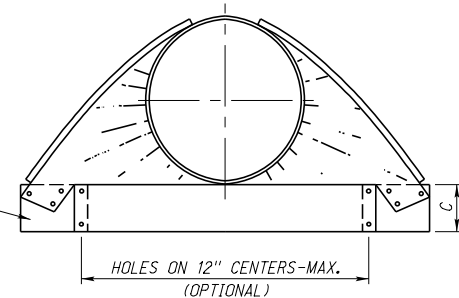
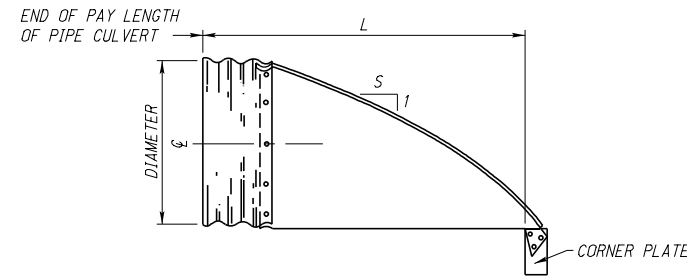
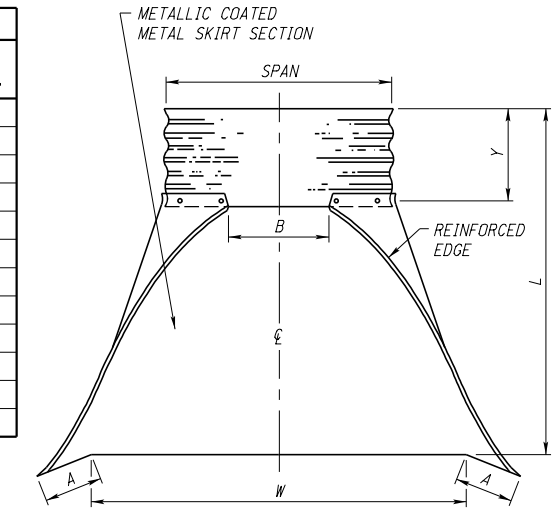


DATE \_\_\_\_\_  
ORIGINAL: OCTOBER 25, 1994  
DATE \_\_\_\_\_

PIPE DIA.	GAUGE	NOMINAL DIMENSIONS							
		L ± 6"	W ± 2"	A MIN.	B MAX.	C MIN.	Y ± 4 1/2"	S APPROX.	
12"	16	6'-0 7/8"	2'-0"	4 3/4"	6"	6"	4'-3 7/8"	2 1/2	
15"	16	6'-1"	2'-6"	6"	8"	6"	3'-11"	2 1/2	
18"	16	6'-1"	3'-0"	7"	10"	6"	3'-8"	2 1/2	
21"	16	6'-1"	3'-8"	8 1/4"	1'-10"	6"	3'-1"	2 1/2	
24"	16	6'-1 1/2"	4'-0"	9"	1'-1"	6"	2'-8 1/2"	2 1/2	
30"	14	6'-1 3/4"	5'-0"	11"	1'-4"	6"	1'-10 3/4"	2 1/2	
36"	14	8'-1 3/4"	6'-0"	1'-2"	1'-7"	6"	3'-1 3/4"	2 1/2	
42"	12	8'-2"	7'-0"	1'-4"	1'-10"	6"	2'-5"	2 1/2	
48"	12	8'-2"	7'-6"	1'-6"	2'-3"	6"	1'-8"	2 1/4	
54"	12	8'-4"	8'-6"	1'-6"	2'-6"	6"	1'-4"	2	
60"	12	8'-3"	9'-6"	1'-6"	2'-9"	6"	1'-0"	1 3/4	
66"	12	8'-3"	10'-0"	1'-6"	3'-0"	6"	1'-0"	1 1/2	
72"	12	8'-3"	10'-6"	1'-6"	3'-3"	6"	1'-0"	1 1/3	
78"	12	8'-3"	11'-0"	1'-6"	3'-6"	6"	1'-0"	1 1/4	
84"	12	8'-3"	11'-6"	1'-6"	3'-9"	6"	1'-0"	1 1/6	



EQUIV. DIA.	SPAN	RISE	GAUGE	NOMINAL DIMENSIONS							
				L ± 6"	W MIN.	A MIN.	B MAX.	C MIN.	Y ± 4 1/2"	S APPROX.	
15"	17"	13"	16	6'-0"	2'-6"	4 1/2"	9"	6"	4'-5"	2 1/2	
18"	21"	15"	16	6'-0"	3'-0"	5 1/4"	10"	6"	4'-1"	2 1/2	
21"	24"	18"	16	6'-0"	3'-6"	6 1/4"	11 1/2"	6"	3'-8"	2 1/2	
24"	28"	20"	16	6'-0"	4'-0"	7"	1'-2"	6"	3'-4 1/2"	2 1/2	
30"	35"	24"	14	8'-0"	5'-0"	8 3/4"	1'-4"	6"	4'-9 1/2"	2 1/2	
36"	42"	29"	14	8'-0"	6'-3"	10 3/4"	1'-5 1/2"	6"	4'-2"	2 1/2	
42"	49"	33"	12	8'-0"	7'-1"	1'-0 1/4"	1'-8"	6"	3'-7"	2 1/2	
48"	57"	38"	12	8'-0"	7'-6"	1'-2"	2'-3"	6"	2'-9"	2 1/2	
54"	64"	43"	12	8'-0"	8'-6"	1'-3 3/4"	2'-6"	6"	2'-2"	2 1/4	
60"	71"	47"	12	8'-0"	9'-6"	1'-5 1/4"	2'-9"	6"	1'-7"	2 1/4	
66"	77"	52"	12	8'-0"	10'-6"	1'-6"	3'-0"	6"	1'-7"	2	
72"	83"	57"	12	8'-0"	11'-6"	1'-6"	3'-3"	6"	1'-7"	2	

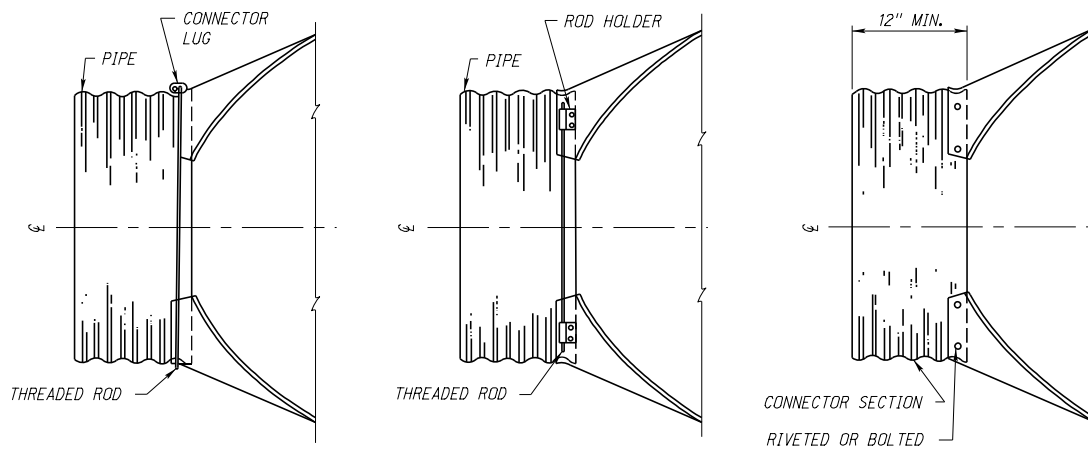


SECTION

ELEVATION

DETAILS OF METAL FLARED END SECTION (FOR CORRUGATED METAL PIPE)

DETAILS OF METAL FLARED END SECTION (FOR CORRUGATED METAL PIPE-ARCH)



TYPICAL CONNECTIONS

FOR CORRUGATED METAL PIPE DIAMETERS OF 12" TO 24" INCLUSIVE AND CORRUGATED METAL PIPE-ARCHES WITH RISE OF 11" TO 18" INCLUSIVE, THE SKIRT SECTION MAY BE ATTACHED WITH A 1" WIDE, 12 GAUGE METAL CONNECTOR STRAP AND 1/2" x 6" BOLT AND NUT. THIS STRAP MAY BE USED ON PIPE WITH ANNULAR ENDS ONLY.

NOTES:

CONNECTOR STRAP, STIFFENER ANGLES AND MISCELLANEOUS HARDWARE SHALL BE METALLIC COATED.

THE "Y" LENGTH MAY BE FABRICATED AS PART OF THE CULVERT.

CONNECTOR SECTIONS AND CORNER PLATES FOR CORRUGATED METAL PIPE AND PIPE-ARCH FLARED END SECTIONS SHALL BE METALLIC COATED AND OF THE SAME GAUGE AS SKIRTS AND EACH SHALL BE METALLIC COATED.

SKIRT SECTION FOR CORRUGATED METAL PIPE DIA. OF 12" TO 24" INCLUSIVE SHALL BE MADE IN ONE PIECE.

SKIRT SECTION FOR CORRUGATED METAL PIPE-ARCHES WITH RISE OF 11" TO 22" INCLUSIVE SHALL BE MADE IN ONE PIECE.

SKIRT SECTION FOR CORRUGATED METAL PIPE DIA. OF 30" TO 54" INCLUSIVE AND CORRUGATED METAL PIPE-ARCHES WITH RISE OF 27" TO 40" INCLUSIVE MAY BE MADE FROM TWO SHEETS JOINED BY RIVETING OR BOLTING ON CENTERLINE.

SKIRT SECTION OF CORRUGATED METAL PIPE DIA. OF 60" AND LARGER, AND CORRUGATED METAL PIPE-ARCHES WITH RISE OF 44" AND LARGER SHALL BE MADE FROM THREE SHEETS JOINED BY RIVETING OR BOLTING AT EQUAL DISTANCES FROM CENTERLINE. THE CENTER PANEL SHALL BE FURNISHED IN 10 GAUGE MATERIAL AND THE WIDTH OF THE CENTER PANEL SHALL BE GREATER THAN 20% OF THE PIPE PERIPHERY.

MULTIPLE SHEET SKIRT SECTIONS SHALL HAVE 2" MIN. LAP SEAMS. BOLTS OR RIVETS SHALL BE 3/8" DIA. (MIN.) AND ON 6" CENTERS (MAX.).

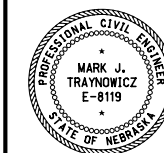
TYPICAL CONNECTIONS SHOWN MAY BE USED FOR HELICAL CORRUGATED METAL PIPE.

FOR SKIRT SECTIONS OF 60" DIA. PIPE AND LARGER, AND CORRUGATED METAL PIPE-ARCHES WITH A RISE OF 49" AND LARGER, REINFORCED EDGES TO BE SUPPLEMENTED WITH STIFFENER ANGLES PLACED JUST BELOW THE REINFORCED EDGES ON THE OUTSIDE OF THE SKIRT SECTION. THE ANGLES WILL BE 2" x 2" x 1/4". THE ANGLES TO BE ATTACHED BY 3/8" DIA. (MIN.) BOLTS AND NUTS AND ON 6" CENTERS (MAX.).

R4	JAN 18	NDOR BORDER TO NDOT BORDER
R3	AUG 99	CHANGED NOTES
R2	MAR 89	SPAN, RISE SIZES FOR C.M. PIPE-ARCH
REV. NO.	DATE	DESCRIPTION OF REVISION

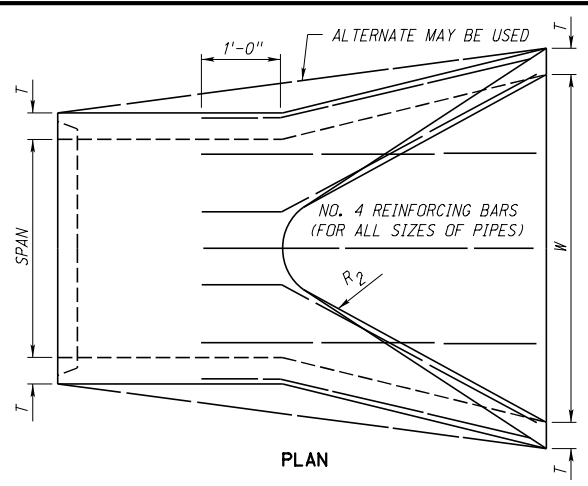
NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 410-R4  
FLARED END SECTIONS  
FOR CULVERT PIPES

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

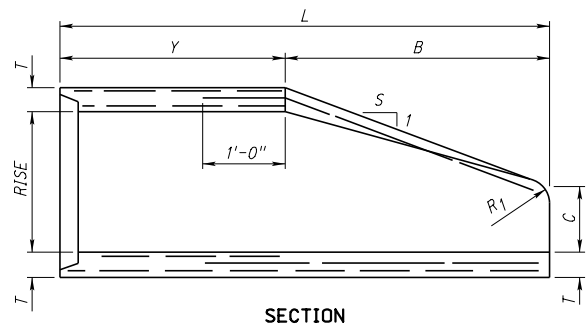


DATE  
ORIGINAL:  
FEBRUARY 22, 1974  
DATE

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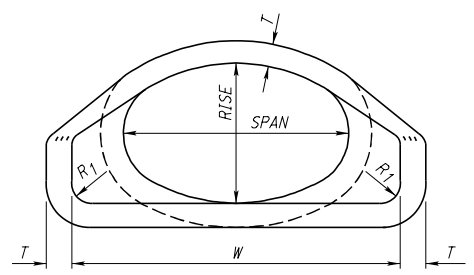


PLAN



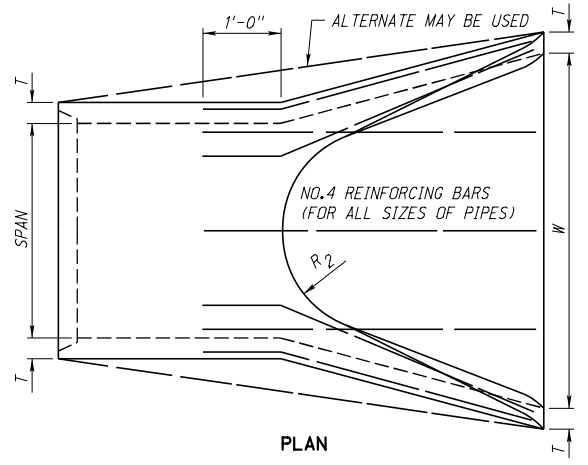
SECTION

EQUIV. DIA.	NOMINAL DIMENSIONS										
	SPAN	RISE	L ± 6"	B	Y ± 4 1/2"	C	W ± 2"	R1	R2	S APPROX.	T MIN.
18"	23"	14"	6'-0"	2'-3"	3'-9"	8 1/2"	3'-0"	3"	6"	2.3	2 1/2"
24"	30"	19"	6'-0"	3'-3"	2'-9"	9"	4'-0"	3"	7"	2.9	3"
30"	38"	24"	6'-0"	4'-6"	1'-6"	10"	5'-0"	3"	9"	3	3 1/2"
36"	45"	29"	8'-0"	5'-0"	3'-0"	11"	6'-0"	3"	1'-0"	2.7	4"
42"	53"	34"	8'-0"	5'-0"	3'-0"	1'-4"	6'-6"	6"	1'-1"	2.6	4 1/2"
48"	60"	38"	8'-0"	5'-0"	3'-0"	1'-9"	7'-0"	6"	1'-2"	2.7	5"
54"	68"	43"	8'-0"	5'-0"	3'-0"	2'-1"	7'-6"	6"	1'-4"	2.5	5 1/2"
60"	76"	48"	8'-0"	5'-0"	3'-0"	2'-6"	8'-0"	6"	1'-6"	2.5	6"

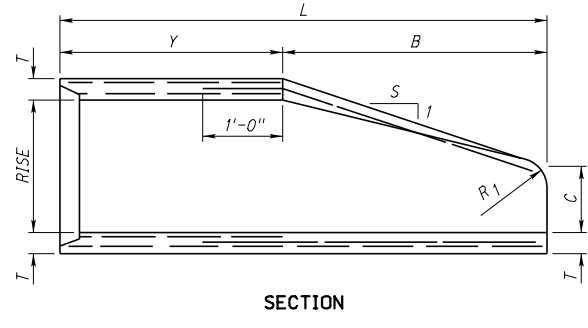


ELEVATION

DETAILS OF CONCRETE FLARED END SECTION (FOR REINFORCED CONCRETE ELLIPTICAL PIPE)

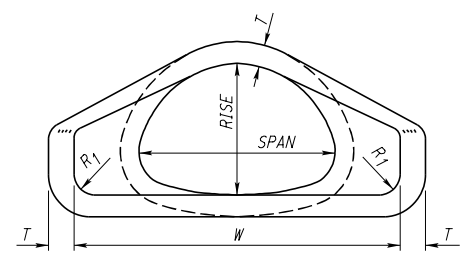


PLAN



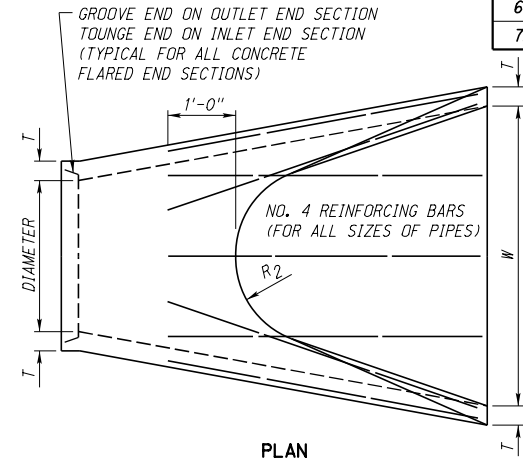
SECTION

EQUIV. DIA.	NOMINAL DIMENSIONS										
	SPAN	RISE	L ± 6"	B	Y ± 4 1/2"	C	W ± 2"	R1	R2	S APPROX.	T MIN.
18"	22"	14"	6'-0"	2'-3"	3'-9"	7"	3'-0"	2"	1'-0"	2.2	2 1/2"
24"	29"	18"	6'-0"	3'-3"	2'-9"	9"	4'-0"	3"	1'-2"	2.4	3"
30"	36"	23"	8'-0"	4'-0"	4'-0"	10"	5'-0"	3"	1'-3"	2.3	3 1/2"
36"	44"	27"	8'-0"	5'-0"	3'-0"	11"	6'-0"	6"	1'-8"	2.4	4"
42"	51"	32"	8'-0"	5'-0"	3'-0"	1'-4"	6'-6"	6"	1'-10"	2.4	4 1/2"
48"	59"	36"	8'-0"	5'-0"	3'-0"	1'-9"	7'-0"	6"	1'-10"	2.3	5"
54"	65"	40"	8'-0"	5'-0"	3'-0"	2'-0"	7'-6"	6"	2'-0"	2.1	5 1/2"
60"	74"	45"	8'-0"	5'-0"	3'-0"	2'-3"	8'-0"	6"	1'-9"	2	6"
72"	88"	54"	8'-4"	6'-6"	1'-10"	2'-11"	10'-0"	6"	2'-0"	2	7"

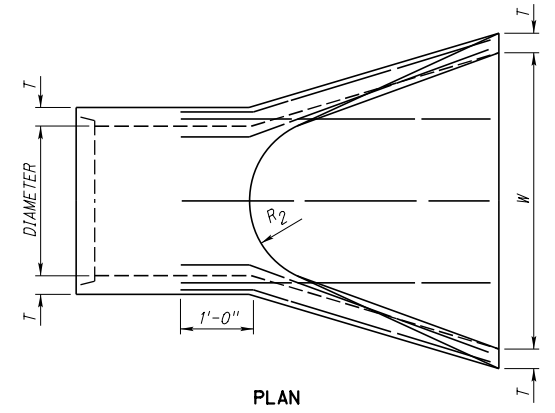


ELEVATION

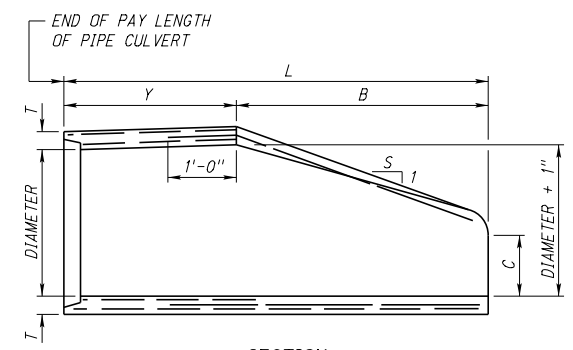
DETAILS OF CONCRETE FLARED END SECTION (FOR REINFORCED CONCRETE PIPE-ARCH)



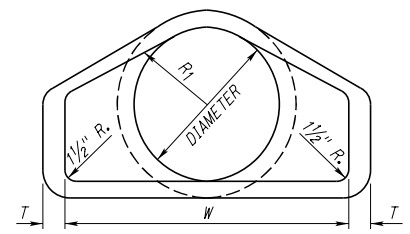
PLAN



PLAN



SECTION



ELEVATION

DETAILS OF CONCRETE FLARED END SECTION (FOR REINFORCED CONCRETE PIPE)

PIPE DIA.	NOMINAL DIMENSIONS									
	L ± 6"	B	Y ± 4 1/2"	C	W ± 2"	R1	R2	S APPROX.	T MIN.	
12"	6'-0 7/8"	2'-0"	4'-0 7/8"	4"	2'-0"	1'-0 1/8"	9"	3	2"	
15"	6'-1"	2'-3"	3'-10"	6"	2'-6"	1'-0 1/2"	11"	3	2 1/4"	
18"	6'-1"	2'-3"	3'-10"	9"	3'-0"	1'-3 1/2"	1'-0"	3	2 1/2"	
24"	6'-1 1/2"	3'-7 1/2"	2'-6"	9 1/2"	4'-0"	1'-4 3/8"	1'-2"	3	3"	
30"	6'-1 3/4"	4'-6"	1'-7 3/4"	1'-0"	5'-0"	1'-6 1/2"	1'-3"	3	3 1/2"	
36"	8'-1 3/4"	5'-3"	2'-10 3/4"	1'-3"	6'-0"	2'-0 3/8"	1'-8"	3	4"	
42"	8'-2"	5'-3"	2'-11"	1'-9"	6'-6"	2'-3 1/2"	1'-10"	3	4 1/2"	
48"	8'-2"	6'-0"	2'-2"	2'-0"	7'-0"	2'-4 1/2"	1'-10"	3	5"	
54"	8'-4"	5'-5"	2'-11"	2'-3"	7'-6"	2'-9 1/8"	2'-0"	2.4	5 1/2"	
60"	8'-3"	5'-0"	3'-3"	2'-6"	8'-0"	3'-0 1/8"	2'-0"	2	6"	
66"	8'-3"	6'-6"	1'-9"	2'-6"	9'-0"	3'-0 1/8"	2'-0"	2	6 1/2"	
72"	8'-3"	6'-6"	1'-9"	2'-6"	9'-0"	3'-2 1/8"	2'-0"	2	7"	

NOTES

CONCRETE FOR FLARED END SECTIONS SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M170, M206, AND M207, FOR CLASS II PIPE.

REINFORCEMENT IN THE "Y" SECTION SHALL BE IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M170, M206, AND M207, FOR CLASS II PIPE.

IN ADDITION TO THE REINFORCING BARS SHOWN, REINFORCEMENT IN THE "B" SECTION SHALL HAVE A CROSS-SECTIONAL AREA EQUAL TO THAT OF ONE LAYER OF STEEL IN THE "Y" SECTION.

REV. NO.	DATE	DESCRIPTION OF REVISION
R4	JAN 18	NDOR BORDER TO NDOT BORDER
R3	AUG 99	CHANGED NOTES
R2	MAR 89	SPAN, RISE SIZES FOR C.M. PIPE-ARCH

NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 410-R4  
**FLARED END SECTIONS  
FOR CULVERT PIPES**

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:



DATE  
ORIGINAL:  
FEBRUARY 22, 1974  
DATE

2  
2

**TABLE 1 - CONCRETE STANDARD INSTALLATIONS, SOILS AND MINIMUM COMPACTION REQUIREMENTS**

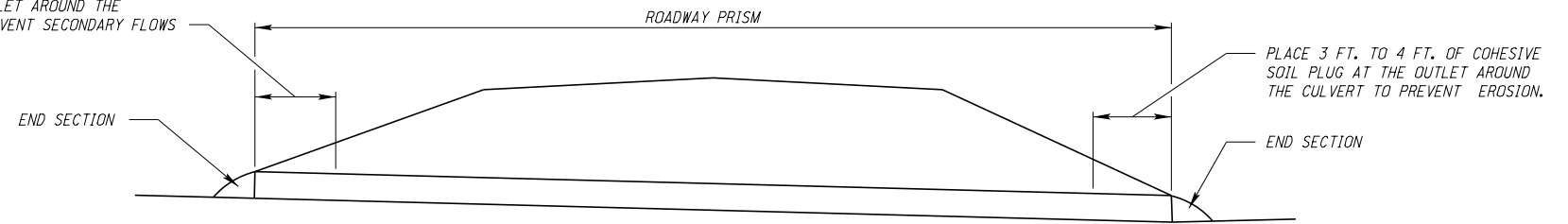
INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	D <sub>0</sub> /24 MINIMUM, NOT LESS THAN 3" IF ROCK FOUNDATION, USE D <sub>0</sub> /12 MINIMUM, NOT LESS THAN 6".	95% SW	90% SW, 95% ML, 100% CL, OR NATURAL SOILS OF EQUAL FIRMNESS
TYPE 2		90% SW OR 95% ML	85% SW, 90% ML, 95% CL, OR NATURAL SOILS OF EQUAL FIRMNESS
*TYPE 3		85% SW, 90% ML, OR 95% CL	85% SW, 90% ML, 95% CL, OR NATURAL SOILS OF EQUAL FIRMNESS

**TABLE 1 NOTES:**

\* THE TYPE 3 INSTALLATION (SHADED) IN TABLE 4 IS THE NDOT MINIMUM STANDARD, USING EITHER A SHAPED TRENCH ACCORDING TO THE STANDARD SPECIFICATIONS, OR AT THE OPTION OF THE CONTRACTOR, THE BEDDING WITH COMPACTIONS AS SHOWN.

MAXIMUM FILL HEIGHTS FOR THE TYPE 1, 2, AND 3 INSTALLATIONS ARE SHOWN IN TABLE 4.

PLACE 3 FT. TO 4 FT. OF COHESIVE SOIL PLUG AT THE INLET AROUND THE CULVERT TO PREVENT SECONDARY FLOWS



**LIMITS OF BEDDING AND BACKFILL**

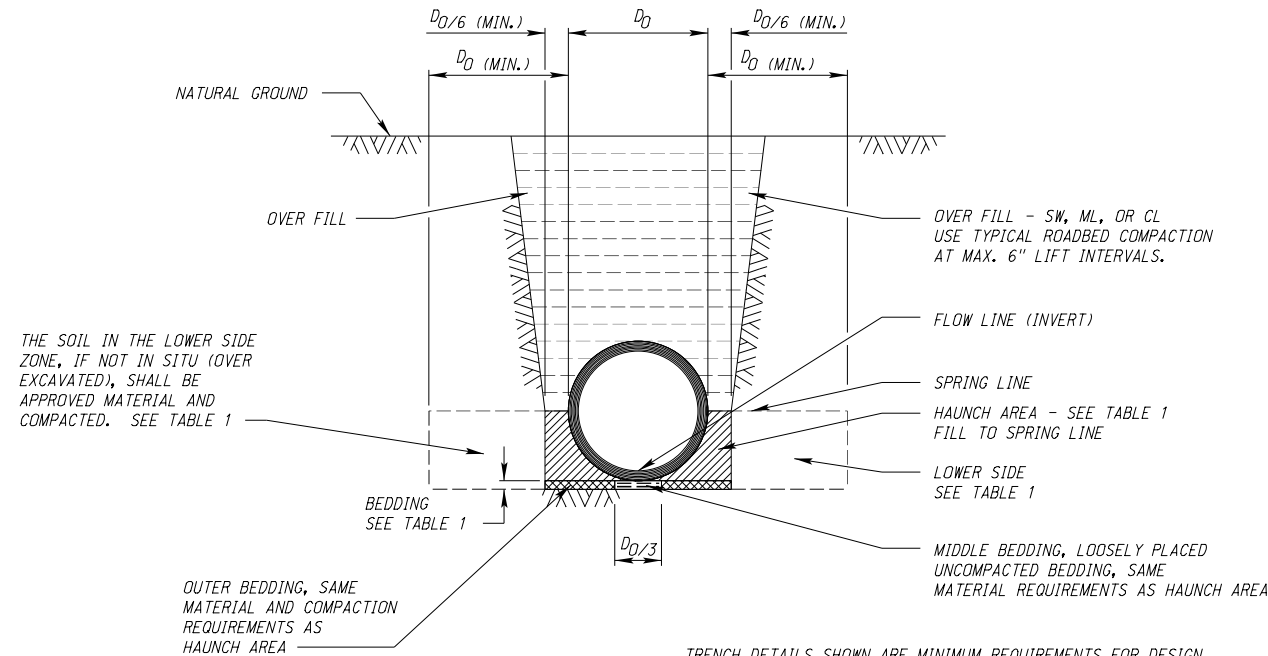
**EXCAVATION, BEDDING AND EMBANKMENT SEQUENCE:**

**TRENCH INSTALLATION:**

- (A) DETERMINE THE FLOW LINE AND TRENCH BOTTOM ELEVATIONS.
- (B) DETERMINE THE SHAPE OF TRENCH. DECIDE IF SHORING IS NEEDED. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR THE SAFETY OF ALL WORKERS, EQUIPMENT AND MATERIALS IN THE TRENCH.
- (C) PLACE THE BEDDING MATERIAL (SEE CONCRETE - TABLE 1) LOOSELY.
- (D) PLACE PIPE ON THE BEDDING AND COMPACT OUTER BEDDING, (SEE TABLE 1).
- (E) PLACE AND COMPACT THE LOWER SIDE, HAUNCH AND OVERFILL MATERIAL AT 6 IN. INTERVALS.

**EMBANKMENT INSTALLATION:**

- (A) DETERMINE THE FLOW LINE AND SPRING LINE ELEVATION.
- (B) IF FLOW LINE IS ABOVE THE NATURAL GROUND, PLACE AN EMBANKMENT AT LEAST 300 WIDE WITH 3:1 FORESLOPES OR FLATTER AT SPRING LINE ELEVATION, COMPACTED AT ROADBED REQUIRED COMPACTION.
- (C) IF THE FLOW LINE IS BELOW THE NATURAL GROUND BUT THE SPRING LINE IS ABOVE THE NATURAL GROUND, PLACE THE EMBANKMENT SIMILAR TO THE ONE IN STEP B.
- (D) EXCAVATE TO PROPER ELEVATION.
- (E) PLACE BEDDING MATERIAL (SEE TABLE 1) LOOSELY.
- (F) PLACE THE PIPE ON THE BEDDING MATERIAL AND COMPACT OUTER BEDDING MATERIAL (SEE CONCRETE - TABLE 1).
- (G) PLACE AND COMPACT THE HAUNCH, LOWER SIDE AND OVERFILL MATERIAL AT 6 IN. INTERVALS.



THE SOIL IN THE LOWER SIDE ZONE, IF NOT IN SITU (OVER EXCAVATED), SHALL BE APPROVED MATERIAL AND COMPACTED. SEE TABLE 1



TRENCH DETAILS SHOWN ARE MINIMUM REQUIREMENTS FOR DESIGN AND CONSTRUCTION. PAYMENT FOR EXCAVATION IS BASED UPON THE GUIDELINES IN THE STANDARD SPECIFICATIONS.

TRENCHES SHALL BE EXCAVATED IN ACCORDANCE WITH APPROVED SAFETY PRACTICE.

**TYPICAL TRENCH INSTALLATION**

**NOTES FOR TRENCH INSTALLATIONS:**

1. COMPACTION AND SOIL SYMBOLS, I.E. 95% SW, REFER TO SW SOIL MATERIAL WITH MINIMUM STANDARD PROCTOR COMPACTION OF 95%.
2. THE TRENCH TOP ELEVATION SHALL BE NO LOWER THAN 1 FT. BELOW THE BOTTOM OF THE PAVEMENT BASE MATERIAL.
3. SOIL IN BEDDING AND HAUNCH ZONES SHALL BE COMPACTED TO AT LEAST THE SAME COMPACTION AS SPECIFIED FOR THE MAJORITY OF SOIL IN THE BACKFILL ZONES.
4. THE TRENCH WIDTH SHALL BE WIDER THAN SHOWN IF REQUIRED FOR ADEQUATE SPACE TO ATTAIN THE SPECIFIED COMPACTION IN THE HAUNCH AND BEDDING ZONES.
5. FOR TRENCH WALLS THAT ARE WITHIN 10 DEGREES OF VERTICAL, THE COMPACTION OR FIRMNESS OF THE SOIL IN THE TRENCH WALLS AND LOWER SIDE ZONE NEED NOT TO BE CONSIDERED.
6. FOR TRENCH WALLS WITH GREATER THAN 10 DEGREE SLOPES THAT CONSIST OF EMBANKMENT, THE LOWER SIDE SHALL BE COMPACTED TO AT LEAST THE SAME COMPACTION AS SPECIFIED FOR THE SOIL IN THE BACKFILL ZONE.

R2	JAN. 18	NDOR BORDER TO NDOT BORDER
R1	OCT. 14	UP TO 60" PLASTIC ALLOWED IN ALL OF TABLE 1 - PLASTIC
REV. NO.	DATE	DESCRIPTION OF REVISION
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 411-R2 <b>BEDDING AND BACKFILL REQUIREMENTS FOR CONCRETE PIPE</b>		
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		
DATE		
ORIGINAL: JUNE 6, 2008		
DATE		

**TABLE 1 - CONCRETE STANDARD INSTALLATIONS, SOILS AND MINIMUM COMPACTION REQUIREMENTS**

INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	D <sub>0</sub> /24 MINIMUM, NOT LESS THAN 3" IF ROCK FOUNDATION, USE D <sub>0</sub> /12 MINIMUM, NOT LESS THAN 6".	95% SW	90% SW, 95% ML OR 100% CL
TYPE 2		90% SW OR 95% ML	85% SW, 90% ML OR 95% CL
*TYPE 3		85% SW, 90% ML, OR 95% CL	85% SW, 90% ML OR 95% CL

**TABLE 1 NOTES:**

\* THE TYPE 3 INSTALLATION (SHADED) IN TABLE 4 IS THE NDOR MINIMUM STANDARD, USING EITHER A SHAPED TRENCH ACCORDING TO THE STANDARD SPECIFICATIONS, OR AT THE OPTION OF THE CONTRACTOR, THE BEDDING WITH COMPACTIONS AS SHOWN.

MAXIMUM FILL HEIGHTS FOR THE TYPE 1, 2, AND 3 INSTALLATIONS ARE SHOWN IN TABLE 4.

**TABLE 2 - CONCRETE PIPE DIMENSIONS**

NOMINAL PIPE DIAMETER (INCHES)	STANDARD OUTSIDE PIPE DIAMETER, D <sub>0</sub> (SPAN)			
	ROUND PIPE	ARCH PIPE	H. ELLIP. PIPE	V. ELLIP. PIPE
15	19.5	22.5		
18	23	27	28.5	
21	26.5	31.5		
24	30	34.5	36.5	
27	33.5		41	
30	37	43.25	45.5	
36	44	51.75	54	38
42	51	60.13	63	44
48	58	68.5	71	49
54	65	76	80	55
60	72	85	89	61
66	79		97	67
72	86	102	106	73
78	93		114	79
84	100	118	123	85
90	107			
96	114			
102	121			
108	128			

**TABLE 3 SOIL CLASSIFICATION FOR BEDDING & BACKFILL**

ASTM SOIL GROUP SYMBOL D 2487	DESCRIPTION	PERCENTAGE PASSING SIEVE SIZES		
		1 1/2 IN.	NO. 4	NO. 200
SW	WELL GRADED SANDS AND GRAVELLY-SANDS: LITTLE OR NO FINES. NON PLASTIC	100%	> 50% OF "COURSE FRACTION"	< 5%
ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY-FINE-SANDS, SILTS WITH SLIGHT PLASTICITY		100%	> 50%
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELY-CLAYS, SANDY-CLAYS, SILTY-CLAYS, LEAN CLAYS			

**NOTES FOR EMBANKMENT INSTALLATIONS:**

1. COMPACTION AND SOIL SYMBOLS, I.E. 95% SW, REFER TO SW SOIL MATERIAL WITH A MINIMUM STANDARD PROCTOR COMPACTION OF 95%.
2. SOIL IN THE OUTER BEDDING, HAUNCH, AND LOWER SIDE ZONES, EXCEPT WITHIN THE D<sub>0</sub>/3 MIDDLE BEDDING, SHALL BE COMPACTED TO AT LEAST THE SAME COMPACTION AS THE MAJORITY OF THE SOIL IN THE OVERFILL ZONES.
3. SUBTRENCHES
  - 3.1 A SUBTRENCH IS DEFINED AS A TRENCH WITH ITS TOP AT AN ELEVATION LOWER THAN 1 FT. BELOW THE BOTTOM OF THE PAVEMENT BASE MATERIAL.
  - 3.2 THE MINIMUM WIDTH OF A SUBTRENCH SHALL BE 1.33D<sub>0</sub>, OR WIDER IF REQUIRED FOR ADEQUATE SPACE TO ATTAIN THE SPECIFIED COMPACTION IN THE HAUNCH AND BEDDING ZONES.
  - 3.3 FOR SUBTRENCHES WITH WALLS OF NATURAL SOIL, ANY PORTION OF THE LOWER SIDE ZONE IN THE SUBTRENCH WALL SHALL BE AT LEAST AS FIRM AS AN EQUIVALENT SOIL PLACED TO THE COMPACTION REQUIREMENTS SPECIFIED FOR THE LOWER SIDE ZONE, AND AS FIRM AS THE MAJORITY OF SOIL IN THE OVERFILL ZONE, OR SHALL BE REMOVED AND REPLACED WITH SOIL COMPACTED TO THE SPECIFIED LEVEL.

**GENERAL NOTES:**

WHEN IN-SITU LATERAL SOIL RESISTANCE IS NEGLIGIBLE, E.G. PEAT, MUCK, OR HIGHLY EXPANSIVE SOIL, EMBEDMENT SHALL BE PLACED AND COMPACTED AT THE DIRECTION OF THE ENGINEER.

TO PROTECT THE PIPE AND BACKFILL DURING CONSTRUCTION, PROVIDE A MINIMUM OF 36" OF COMPACTED FILL MATERIAL OVER THE TOP OF THE PIPE BEFORE ALLOWING ANY HEAVY EQUIPMENT TO TRAVERSE OVER THE PIPE. EXTREMELY HEAVY EQUIPMENT MAY REQUIRE LARGER COVER AS DETERMINED BY THE CONTRACTOR.

THE PIPE VOLUME SHOULD NOT BE SUBTRACTED FROM THE VOLUME OF EXCAVATION.

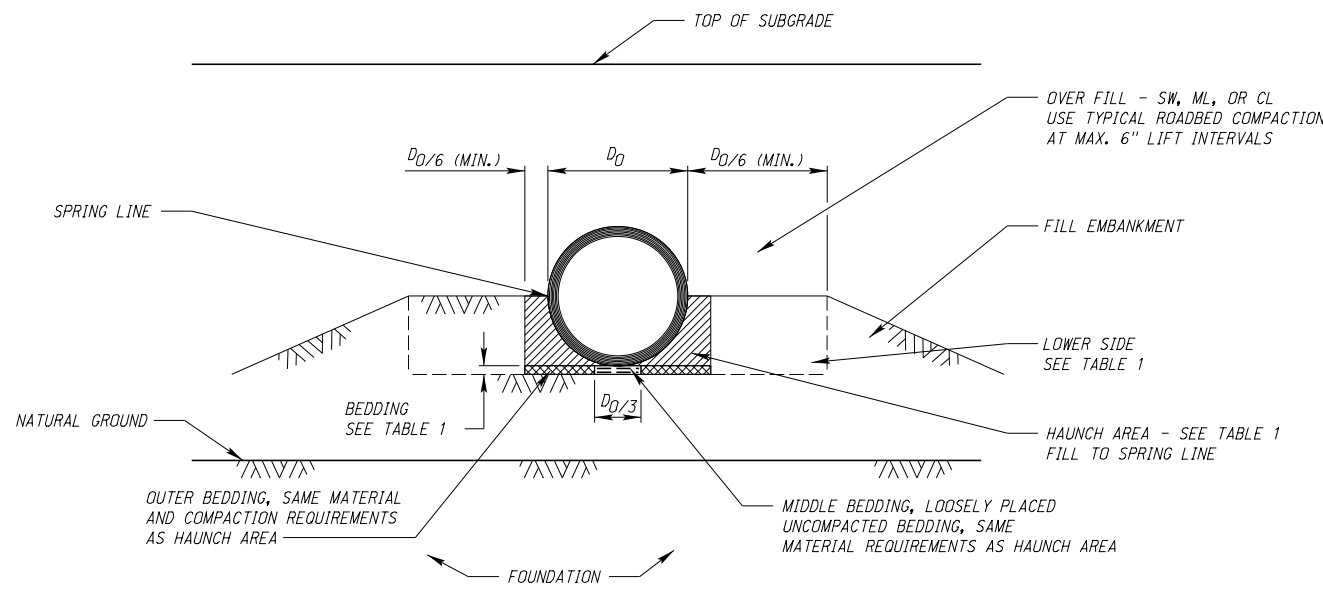
THESE DESIGN STANDARDS ARE MINIMUM. IF A MORE RESTRICTIVE DESIGN IS REQUIRED BY THE ENGINEER OR CULVERT MANUFACTURER, THEN THESE STANDARDS SHALL BE MODIFIED. CHANGES TO PAY ITEM QUANTITIES DUE TO UNFORESEEN SITE CONDITIONS SHALL BE CALCULATED AND INCORPORATED INTO THE CONTRACT THRU A CHANGE ORDER.

BOTH ENDS OF THE PIPE SHALL BE SEALED WITH COHESIVE SOIL (AROUND THE PIPE EXTENDING 3 FT. TO 4 FT. FROM EACH END) TO PROTECT AGAINST INFILTRATION AND EROSION.


BEDDING AND BACKFILL MATERIAL IS NOT PAID FOR DIRECTLY, BUT IS SUBSIDIARY TO THE LINEAR FEET OF CULVERT.

BEDDING AND BACKFILL MATERIAL SHALL MEET ASTM D 2487 (SOIL GROUPS AS SHOWN IN TABLE 3).

PERCENT COMPACTION SHALL BE DETERMINED IN ACCORDANCE WITH NDOR STANDARD TEST METHOD T 99.



**TYPICAL EMBANKMENT INSTALLATION**

R2	JAN. 18	NDOR BORDER TO NDOT BORDER
R1	OCT. 14	UP TO 60" PLASTIC ALLOWED IN ALL OF TABLE 1 - PLASTIC
REV. NO.	DATE	DESCRIPTION OF REVISION
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 411-R2 <b>BEDDING AND BACKFILL REQUIREMENTS FOR CONCRETE PIPE</b>		
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		ORIGINAL: JUNE 6, 2008 DATE
		
		2 4

**TABLE 1 - CONCRETE STANDARD INSTALLATIONS, SOILS AND MINIMUM COMPACTION REQUIREMENTS**

INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	D <sub>0</sub> /24 MINIMUM, NOT LESS THAN 3" IF ROCK FOUNDATION, USE D <sub>0</sub> /12 MINIMUM, NOT LESS THAN 6".	95% SW	90% SW, 95% ML OR 100% CL
TYPE 2		90% SW OR 95% ML	85% SW, 90% ML OR 95% CL
*TYPE 3		85% SW, 90% ML, OR 95% CL	85% SW, 90% ML OR 95% CL

**NOTES:**

\* THE TYPE 3 INSTALLATION (SHADED) IN TABLE 4 IS THE NDDOR MINIMUM STANDARD, USING EITHER A SHAPED TRENCH ACCORDING TO THE STANDARD SPECIFICATIONS, OR AT THE OPTION OF THE CONTRACTOR, THE BEDDING WITH COMPACTIONS AS SHOWN.

MAXIMUM FILL HEIGHTS FOR THE TYPE 1, 2, AND 3 INSTALLATIONS ARE SHOWN IN TABLE 4.

INSTALLATION TYPE 2 AND TYPE 1 ARE IMPROVED METHODS IN ORDER TO SUPPORT HIGHER FILL HEIGHTS USING CLASS III, IV, AND V CIRCULAR CONCRETE PIPE. INSTALLATION TYPE 1 WILL PROVIDE THE BEST IN-SITU PERFORMANCE USING GREATER COMPACTION WITH GRANULAR BEDDING AND BACKFILL. THE CONTRACTOR WILL CHOOSE THE INSTALLATION TYPE AND CLASS OF PIPE. ACTUAL PROJECT FILL HEIGHTS MUST BE KNOWN IN ORDER TO USE TABLE 4.

ROUND EQUIVALENT, NON-CIRCULAR PIPE SUCH AS ARCH OR ELLIPTICAL PIPE, MAY BE SELECTED, PROVIDED SUCH PIPE ARE DESIGNED AND MANUFACTURED TO THE SAME D-LOADS AND ULTIMATE STRENGTHS (SEE TABLE 5) AS THE SELECTED CIRCULAR PIPE FROM THE FILL HEIGHT TABLE.

**TABLE 5 D-LOADS FOR CONCRETE PIPE**

PIPE CLASS	III	IV	V
D-LOAD TO PRODUCE A 0.01-IN. CRACK	1350	2000	3000
D-LOAD TO PRODUCE THE ULTIMATE LOAD	2000	3000	3750

**NOTES:**

LOAD ON PIPE IN POUNDS PER LINEAR FOOT = D-LOAD X INSIDE SPAN IN FEET  
 D-LOAD = TEST LOAD EXPRESSED IN POUNDS-FORCE PER LINEAR FOOT PER FOOT OF DIAMETER

**TABLE 4 MAXIMUM FILL HEIGHTS (FEET) FOR STANDARD DESIGN (AASHTO M 170) ROUND CONCRETE PIPE**

PIPE SIZE (IN.)	INSTALLATION TYPE 3* (NDDOR STANDARD)			INSTALLATION TYPE 2			INSTALLATION TYPE 1		
	CLASS III	CLASS IV	CLASS V	CLASS III	CLASS IV	CLASS V	CLASS III	CLASS IV	CLASS V
15	12	15	21	15	19	26	23	28	40
18	12	17	24	16	22	30	24	32	45
21	13	19	26	16	24	32	25	37	48
24	13	19	26	17	24	33	25	32	45
27	13	17	26	17	21	34	23	26	51
30	12	14	25	15	17	32	20	21	49
36	10	16	24	13	21	31	20	31	47
42	10	15	23	13	19	29	20	29	44
48	10	14	22	13	18	29	20	28	43
54	10	14		13	17		20	27	
60	9	14		12	18		19	28	
66	9	14		12	18		19	28	
72	9	14		12	18		19	28	
78	9			12			19		
84	9			12			19		
90	9			12			20		
96	9			12			19		
102	10			13			20		
108	10			14			22		

**TABLE 4 NOTES:**

AASHTO M 170 SPECIFICATIONS ARE MODIFIED AS FOLLOWS:

ONLY SINGLE INNER CAGE, CIRCULAR REINFORCING IS ALLOWED FOR CLASS III, 15", 18", 21", AND 24" ROUND RCP AS SHOWN:

PIPE SIZE (IN.)	CLASS	MINIMUM CIRCUMFERENTIAL REINFORCING (IN. <sup>2</sup> /FT. OF PIPE WALL)
15	III	0.08
18	III	0.10
21	III	0.12
24	III	0.14


**APPLICABLE SPECIFICATIONS:**

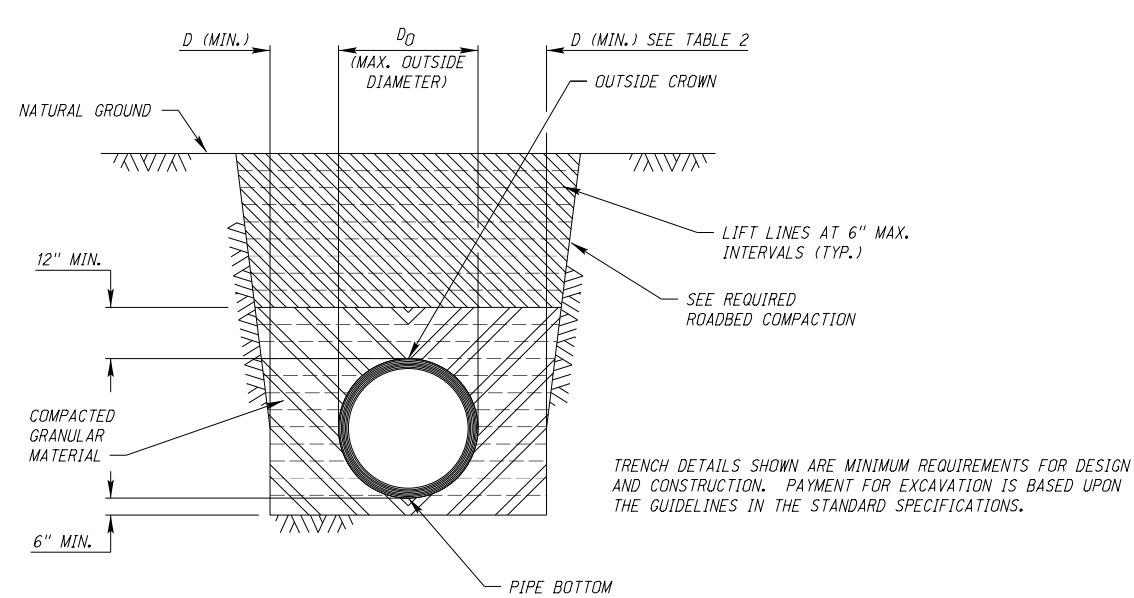
- AASHTO M 170---ROUND RCP
- AASHTO M 206---ARCH RCP
- AASHTO M 207---ELLIPTICAL RCP

**GENERAL NOTES:**

FILL HEIGHTS SHOWN IN TABLE 4 WERE DEVELOPED USING ASCE STANDARDS FOR DIRECT DESIGN OF BURIED PRECAST CONCRETE PIPE, MANUFACTURED IN ACCORDANCE WITH AASHTO M 170 SPECIFICATION REQUIREMENTS (SEE TABLE 4 FOOTNOTE FOR EXCEPTIONS). FILL HEIGHTS SHOWN APPLY ONLY TO ROUND PIPE (UNDER FULL FLOW CONDITIONS), USED UNDER RIGID AND FLEXIBLE PAVEMENT, WITH SOIL OVERFILL WEIGHING 120 POUNDS PER CUBIC FOOT. UNDER SPECIAL CIRCUMSTANCES (WHERE PAVEMENT IS NOT USED AND LIVE LOAD BECOMES CRITICAL, OR DIFFERENT SOIL DENSITY IS ENCOUNTERED, OR THE ONE FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE PAVEMENT TO THE TOP OF THE PIPE CANNOT BE MAINTAINED) THESE FILL HEIGHTS MAY NEED TO BE MODIFIED. DEEPER FILL HEIGHTS MAY BE USED BY SUBMITTING A SPECIAL STANDARD INSTALLATION DIRECT DESIGN (SIDD) FOR NDDOR APPROVAL.

CONCRETE PIPE DESIGNS THAT ARE NOT SHOWN IN APPLICABLE AASHTO SPECIFICATIONS WILL BE CONSIDERED SPECIAL DESIGNS THAT MUST BE SUBMITTED TO NDDOR FOR APPROVAL.

R2	JAN. 18	NDDOR BORDER TO NDOT BORDER
R1	OCT. 14	UP TO 60" PLASTIC ALLOWED IN ALL OF TABLE 1 - PLASTIC
REV. NO.	DATE	DESCRIPTION OF REVISION
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 411-R2 <b>BEDDING AND BACKFILL REQUIREMENTS FOR CONCRETE PIPE</b>		
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		ORIGINAL: JUNE 6, 2008 DATE
		
		3 4



TRENCHES SHALL BE EXCAVATED IN ACCORDANCE WITH APPROVED SAFETY PRACTICE.

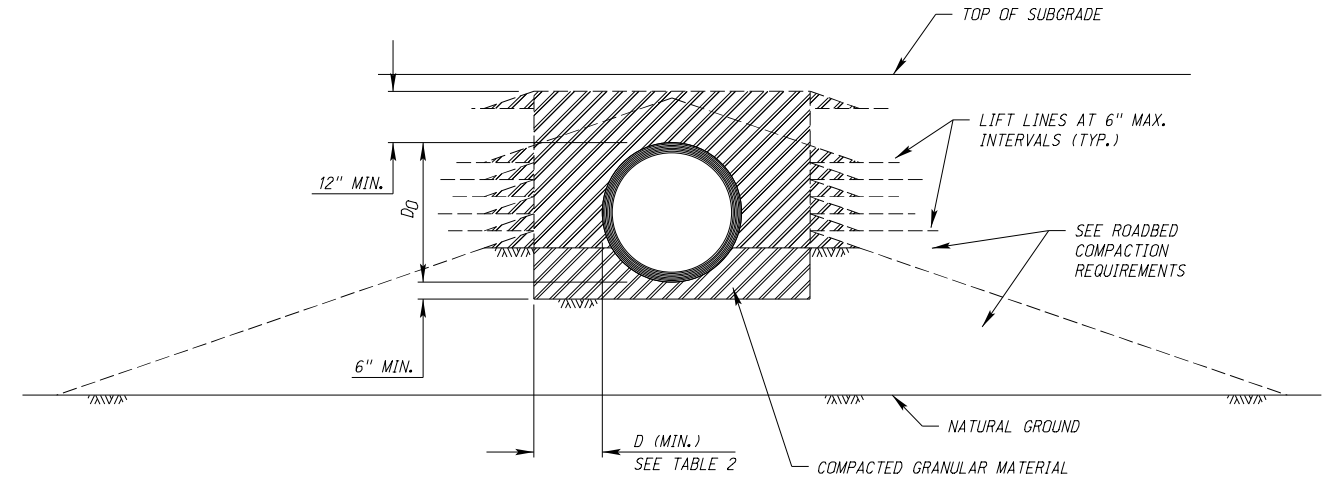
TYPICAL TRENCH INSTALLATION

TABLE 1 - PLASTIC SOIL CLASSIFICATION FOR GRANULAR FILL MATERIAL

SOIL GROUP SYMBOL D 2487	DESCRIPTION	% PASSING SIEVE SIZES		
		1 1/2 IN.	NO. 4	NO. 200
GW	WELL GRADED GRAVEL AND GRAVEL-SAND MIXTURES; LITTLE OR NO FINES.	100%	50% OF COARSE FRACTION	5%
GP	POORLY GRADED GRAVEL AND GRAVEL-SAND MIXTURES; LITTLE OR NO FINES.			
SW	WELL GRADED SAND AND GRAVEL-SANDS; LITTLE OR NO FINES.			
SP	POORLY GRADED SAND AND GRAVEL-SANDS; LITTLE OR NO FINES.			
E.G. GW-GC SP-SM	SAND AND GRAVELS WHICH ARE BORDER LINE BETWEEN CLEAN AND WITH FINES.	100%	VARIABLES	5% TO 12%
GM	SILTY GRAVEL, GRAVEL-SAND-SILT MIXTURES.	100%	50% OF COARSE FRACTION	12% TO 50%
GC	CLAYEY-GRAVEL, GRAVEL-SAND-CLAY MIXTURES.			
SM	SILTY SANDS, SAND-SILT MIXTURES.			

TABLE 2 - PLASTIC MINIMUM D (INCHES)

NOMINAL PIPE DIAMETER (INCHES)	TRENCH INSTALLATION		EMBANKMENT INSTALLATION	
	METAL PIPE	PLASTIC PIPE	METAL PIPE	PLASTIC PIPE
15	11	11	15	15
18	12	12	18	18
24	13	13	24	24
30	15	15	24	24
36	17	17	24	24
42	24	24	24	24
48	24	24	24	24
54	24	24	24	24
60	24	24	24	24
66	24	24	24	24
72	24	24	24	24
78	24	24	24	24
84	24	24	24	24



TYPICAL EMBANKMENT INSTALLATION

NOTES:

INSTALLATIONS AS SHOWN ARE REQUIRED UNDER ALL SURFACED ROADWAYS. BEDDING AND BACKFILL FOR DRIVE PIPE OR OTHER PIPE OUTSIDE THE ROADWAY PRISM (OR BACK OF CURB-LINE FOR URBAN PROJECTS) MAY BE INSTALLED USING SUITABLE EXISTING SOIL, PLACED AND COMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

WHERE IN-SITU LATERAL SOIL RESISTANCE IS NEGLIGIBLE E.G. PEAT, MUCK, OR HIGHLY EXPANSIVE SOIL, EMBEDMENT SHALL BE PLACED AND COMPACTED AT THE DIRECTION OF THE ENGINEER.

TO PROTECT THE PIPE AND BACKFILL DURING CONSTRUCTION, PROVIDE A MINIMUM OF 36" OF COMPACTED FILL MATERIAL OVER THE TOP OF THE PIPE BEFORE ALLOWING ANY HEAVY EQUIPMENT TO TRAVERSE OVER THE PIPE. EXTREMELY HEAVY EQUIPMENT MAY REQUIRE LARGER COVER AS DETERMINED BY THE CONTRACTOR.

PIPE VOLUME SHOULD NOT BE SUBTRACTED FROM THE VOLUME OF EXCAVATION.

THESE DESIGN STANDARDS ARE MINIMUM. IF A MORE RESTRICTIVE DESIGN IS REQUIRED BY THE ENGINEER OR THE CULVERT MANUFACTURER, THEN THESE STANDARDS SHALL BE MODIFIED. CHANGES TO PAY ITEM QUANTITIES DUE TO UNFORESEEN SITE CONDITIONS SHALL BE CALCULATED AND INCORPORATED INTO THE CONTRACT BY A CHANGE ORDER.

EXPOSED ENDS OF THE PIPE SHALL BE SEALED WITH COHESIVE SOIL (AROUND THE PIPE EXTENDING 3 FT. TO 4 FT. FROM EACH END) TO PROTECT AGAINST INFILTRATION AND EROSION.

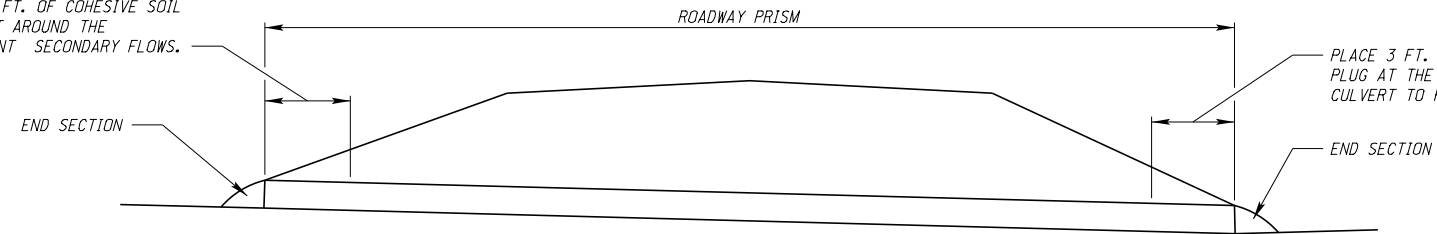
GRANULAR FILL MATERIAL IS NOT PAID FOR DIRECTLY, BUT IS SUBSIDIARY TO THE LINEAR FEET OF CULVERT.

GRANULAR MATERIAL SHALL MEET ASTM D 2487 (SOIL GROUP AS SHOWN IN TABLE 1). MATERIAL SHALL BE COMPACTED TO AT LEAST 90% PROCTOR TEST DENSITY.

PERCENT COMPACTION SHALL BE DETERMINED IN ACCORDANCE WITH NDDOT STANDARD TEST METHOD T 99.

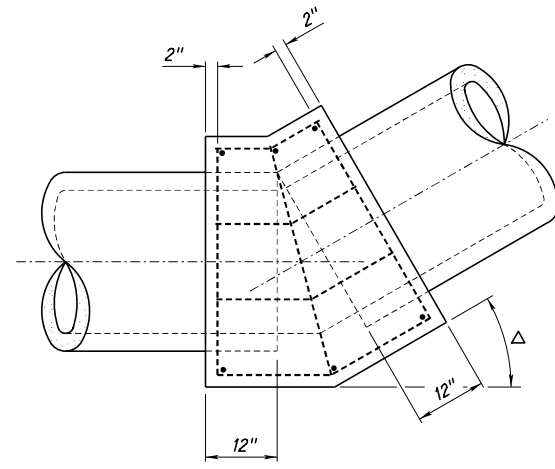
PLACE 3 FT. TO 4 FT. OF COHESIVE SOIL PLUG AT THE INLET AROUND THE CULVERT TO PREVENT SECONDARY FLOWS.

PLACE 3 FT. TO 4 FT. OF COHESIVE SOIL PLUG AT THE OUTLET AROUND THE CULVERT TO PREVENT EROSION.

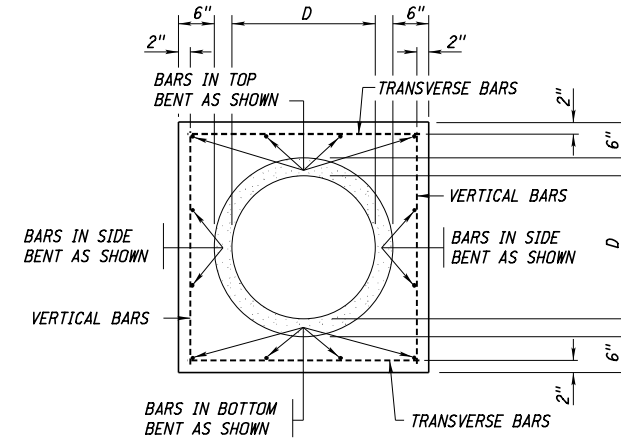


LIMITS OF BEDDING AND BACKFILL

R2	JAN. 18	NDDOT BORDER TO NDOT BORDER
R1	OCT. 14	UP TO 60" PLASTIC ALLOWED IN ALL OF TABLE 1 - PLASTIC
REV. NO.	DATE	DESCRIPTION OF REVISION
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 411-R2 <b>BEDDING AND BACKFILL REQUIREMENTS FOR MCCMP, PCCMP, &amp; PLASTIC PIPE</b>		
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		ORIGINAL: JUNE 6, 2008 DATE
PROFESSIONAL CIVIL ENGINEER MICK S. SYSLO E-10043 STATE OF NEBRASKA		
		4 4

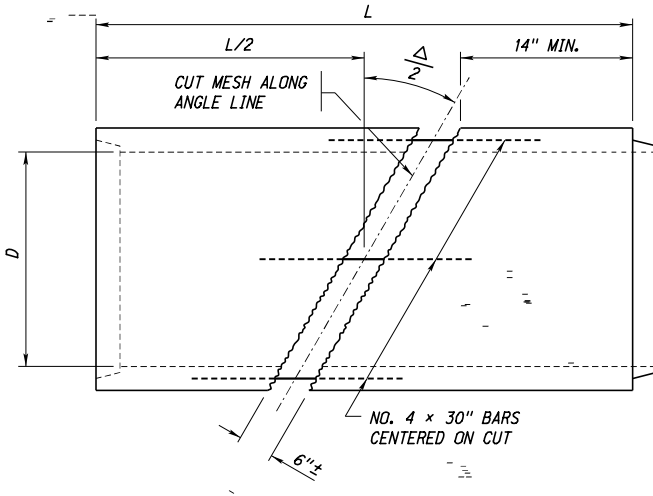


SIDE ELEVATION

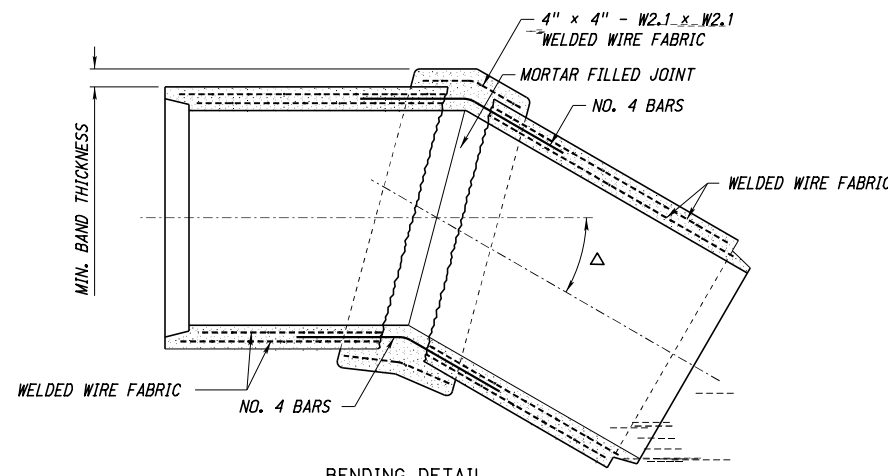


END ELEVATION

DETAILS OF COLLARS

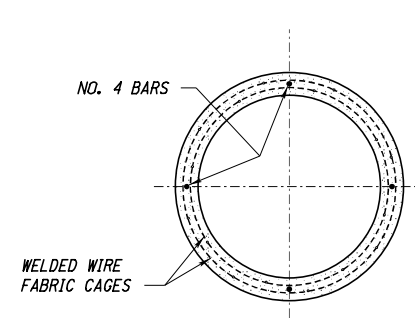


CUTTING DETAIL

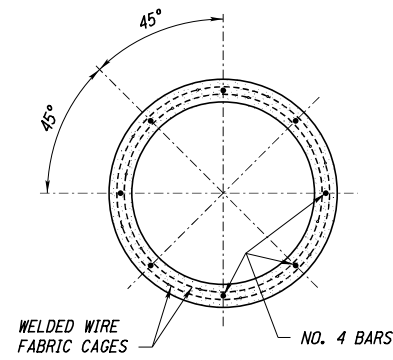


BENDING DETAIL

DETAILS OF CONCRETE ELBOWS



12" THROUGH 24" PIPE DIAMETERS



OVER 24" PIPE DIAMETER

BAR LOCATION DETAILS

SIZE OF PIPE "D"	MINIMUM BAND THICKNESS	Δ MAXIMUM	
		L-6'	L-7 1/2'
12"	1"	90°	90°
15"	1"	90°	90°
18"	1"	90°	90°
21"	1"	90°	90°
24"	1 1/8"	90°	90°
27"	1 1/8"	90°	90°
30"	1 1/4"	90°	90°
36"	1 3/8"	81°	90°
42"	1 1/2"	73°	90°
48"	1 3/4"	66°	88°
54"	2"	60°	81°
60"	2"	55°	75°

SIZE OF PIPE "D"	BAR SIZE	NUMBER OF BARS			
		TRANS-VERT	TOP	ONE SIDE	BOTTOM
12"	NO. 4	12	4	2	4
15"	NO. 4	12	4	2	4
18"	NO. 4	12	4	2	4
21"	NO. 4	12	4	2	4
24"	NO. 4	12	4	2	4
27"	NO. 4	12	4	2	5
30"	NO. 4	12	4	2	5
36"	NO. 4	12	4	2	5
42"	NO. 4	12	5	3	6
48"	NO. 4	12	5	3	6
54"	NO. 4	12	5	3	6
60"	NO. 4	12	5	3	6

SCHEDULE OF BARS FOR COLLAR

SIZE OF PIPE "D"	Δ	CONCRETE (CU. YDS.)	REINF. STEEL (LBS.)	
			NO. 4 BARS	WELDED WIRE FABRIC
12"	0°	0.30	32	
	15°	0.33	33	
	30°	0.36	36	
	45°	0.39	37	
15"	0°	0.36	35	
	15°	0.40	36	
	30°	0.43	38	
	45°	0.47	40	
18"	0°	0.42	38	
	15°	0.49	41	
	30°	0.56	44	
	45°	0.64	46	
21"	0°	0.47	40	
	15°	0.55	42	
	30°	0.64	46	
	45°	0.74	48	
24"	0°	0.53	43	
	15°	0.63	45	
	30°	0.74	49	
	45°	0.86	51	
27"	0°	0.57	45	
	15°	0.70	48	
	30°	0.84	52	
	45°	0.99	55	
30"	0°	0.63	49	
	15°	0.79	53	
	30°	0.96	57	
	45°	1.14	61	
36"	0°	0.77	53	
	15°	1.01	58	
	30°	1.26	63	
	45°	1.53	68	
42"	0°	0.96	65	
	15°	1.32	72	
	30°	1.69	80	
	45°	2.09	91	
48"	0°	1.16	68	
	15°	1.66	77	
	30°	2.19	86	
	45°	2.75	95	
54"	0°	1.34	75	
	15°	2.01	84	
	30°	2.70	95	
	45°	3.44	106	
60"	0°	1.54	77	
	15°	2.39	89	
	30°	3.28	100	
	45°	4.23	113	

DATA FOR COLLARS

NOTES:

THE DIMENSIONS FOR CONCRETE PIPE SHOWN ON THIS PLAN ARE FOR CLASS III REINFORCED CONCRETE PIPE, AASHTO DESIGNATION M170, WALL "B".

ALL QUANTITIES ARE BASED ON DIMENSIONS SHOWN ON THIS PLAN. NO ADJUSTMENTS WILL BE MADE IN THESE QUANTITIES IF OTHER STRENGTH STANDARD PIPE IS FURNISHED IN ACCORDANCE WITH THE SPECIFICATIONS OR IF COLLARS ARE USED ON PIPE OTHER THAN CONCRETE.

WHEN A CONCRETE COLLAR, CONNECTING EXISTING AND NEW CONCRETE PIPE, IS CONSTRUCTED WITH A BEND, IT SHALL BE CONSIDERED AS A COLLAR NOT AN ELBOW.

ALL REINFORCING STEEL USED SHALL CONFORM TO THE REQUIREMENTS OF THE ASTM DESIGNATIONS A615/A615M, GRADE 60. ALL BAR DESIGNATIONS ARE IN CUSTOMARY U.S. UNITS.

ALL CONCRETE USED SHALL BE CLASS 47B-3000.

FOR A SINGLE LINE OF REINFORCING WIRE MESH, TIE REINFORCING BARS ON THE OUTSIDE OF THE CAGE.

FOR A DOUBLE LINE OF REINFORCING WIRE MESH, TIE REINFORCING WIRE MESH ON THE INSIDE OF THE OUTSIDE CAGE.

REINFORCING BARS SHALL BE LAPPED WHERE THE BEND IS MADE.

REINFORCING WIRE MESH SHALL BE LAPPED AND TIED WHERE THE BEND IS MADE.

WELDED WIRE FABRIC OR EQUAL SHALL BE LAPPED 12" AT SPLICES.

THE ORIENTATION OF THE PIPE SHALL BE MARKED WHEN CASTING TO ASSURE ADEQUATE REINFORCING BAR EMBEDMENT AND PROPER ALIGNMENT WHEN CUTTING AND ROTATING.

ALL PIPE DIMENSIONS SHOWN ARE NOMINAL.

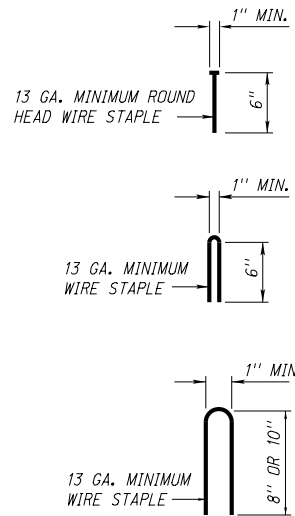
R5	JAN 18	NDOR BORDER TO NDOT BORDER
R4	JAN 07	REMOVED REFERENCE TO CONC. AX-3000
R3	AUG 99	COMPUTER FILE/CHANGES
REV. NO.	DATE	DESCRIPTION OF REVISION

NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 425-R5  
**COLLARS AND ELBOWS  
FOR CONCRETE PIPE**

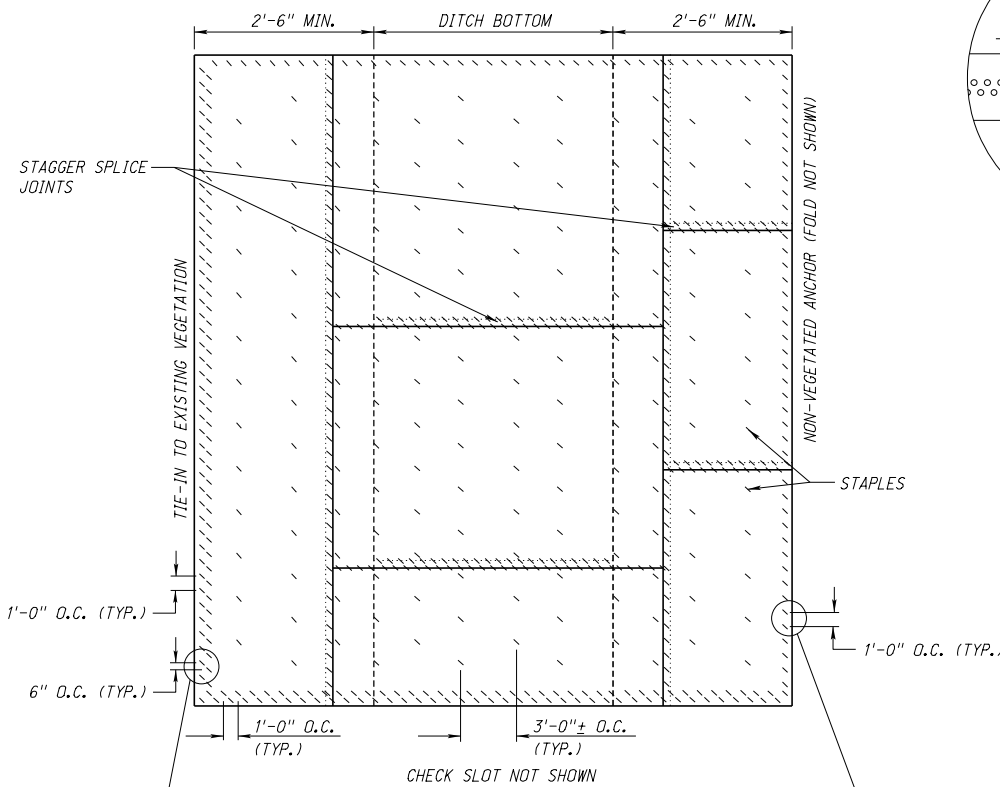
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:



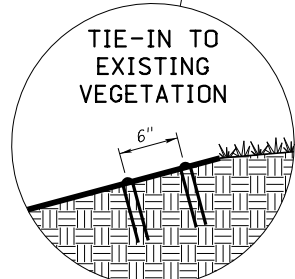
DATE \_\_\_\_\_  
ORIGINAL:  
FEBRUARY 22, 1974  
DATE \_\_\_\_\_



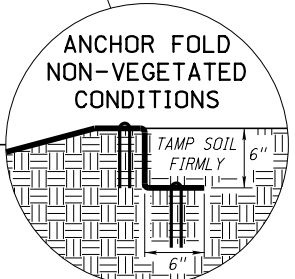
WIRE STAPLE DETAIL



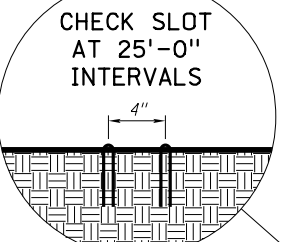
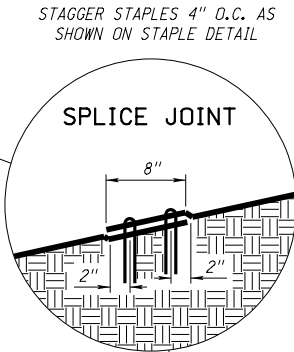
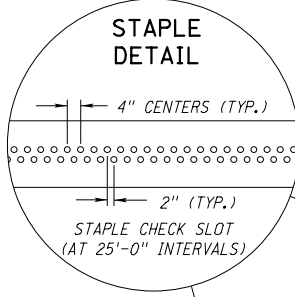
PLAN VIEW STAPLING DIAGRAM



STAGGER EVERY 1'-0" ALONG BLANKET EDGE

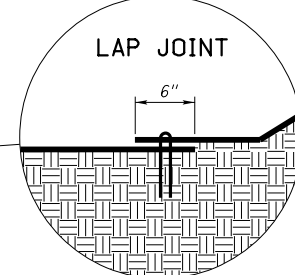
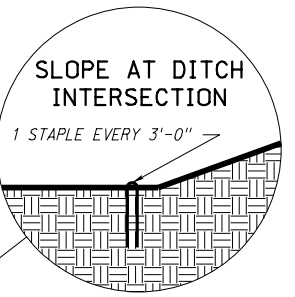
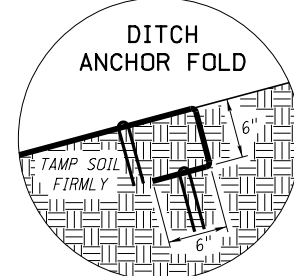


STAPLE EVERY 1'-0" ALONG BLANKET EDGE

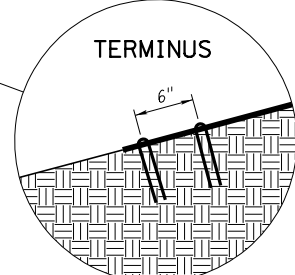


STAGGER STAPLES 4" O.C. AS SHOWN ON STAPLE DETAIL

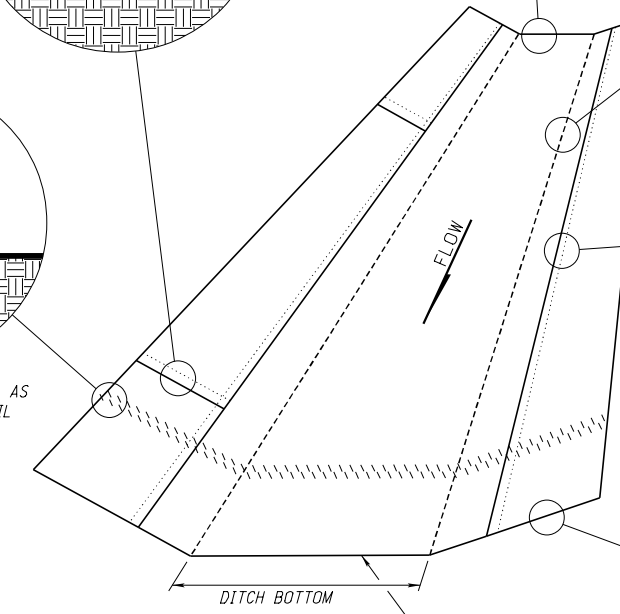
FOR EDGES ADJOINING AREAS TO BE SEEDED STAPLE EVERY 1'-0" ALONG BLANKET EDGE



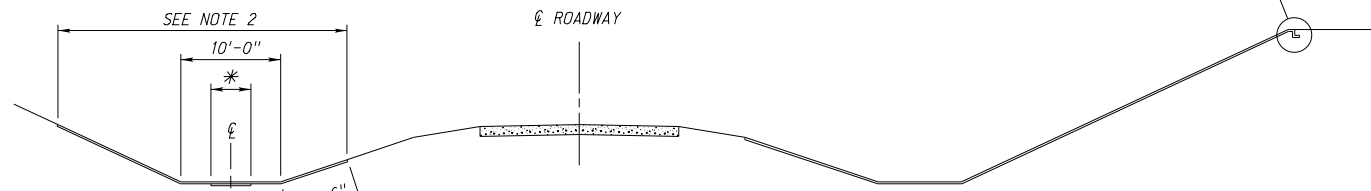
STAPLE EVERY 1'-0" ALONG BLANKET EDGE



STAGGER EVERY 1'-0" ALONG BLANKET EDGE



TYPICAL EROSION CONTROL BLANKET INSTALLATION



TYPICAL CROSS-SECTION

\* THE FIRST ROLL OF BLANKET SHALL BE LAID DOWN THE CENTER OF THE DITCH

NOTES:

- THIS PLAN IS APPLICABLE FOR THE FOLLOWING: EROSION CONTROL CLASS 1B, 1C, 1D, 1E, 1F, 2A, 2B & 2C.
- SOIL RETENTION BLANKET SHALL BE LAID A MINIMUM OF 2'-6" UP THE BACKSLOPE AND FORESLOPE.
- CHECK SLOTS ARE PLACED PERPENDICULAR TO DITCH CENTER LINE ON 25'-0" INTERVALS.
- THE MANUFACTURERS' RECOMMENDED STAPLING PATTERNS SHALL GOVERN OVER THE PLANS.

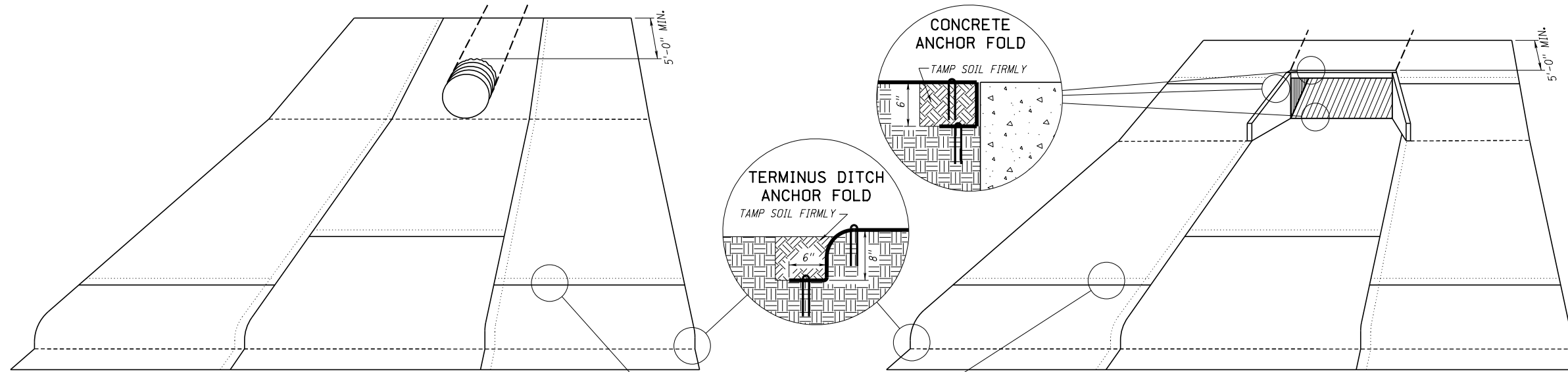
R7	JAN 18	NDOR BORDER TO NDOT BORDER
R6	APR 14	UPDATE INSTALLATION METHOD
R5	OCT 07	EROSION CONTROL AT SPLASH BASIN
REV. NO.	DATE	DESCRIPTION OF REVISION

NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 501-R7  
EROSION CONTROL

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

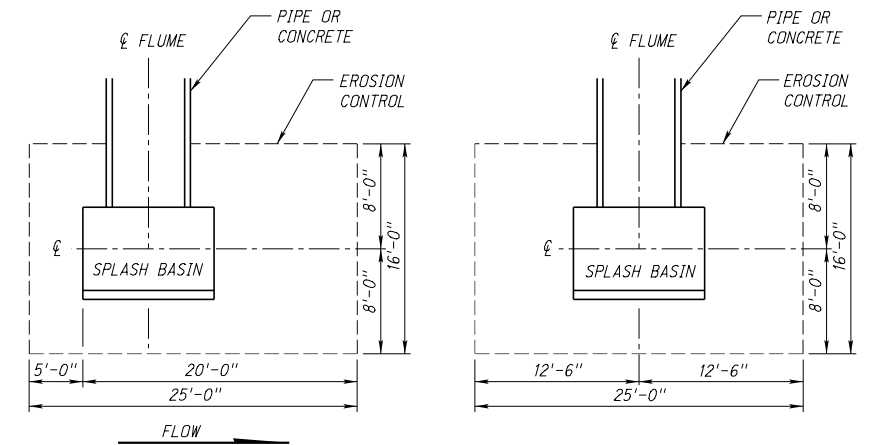
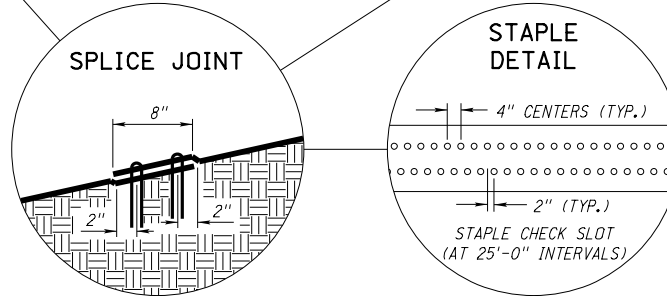


DATE  
ORIGINAL:  
NOVEMBER 1973  
DATE



TYPICAL INSTALLATION AT PIPE CULVERT  
(SHOWING STRAIGHT PIPE)

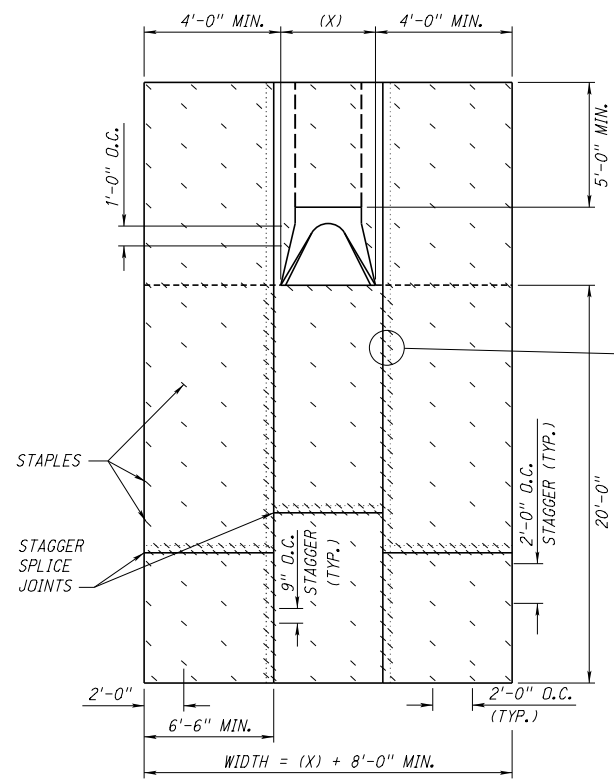
TYPICAL INSTALLATION AT BOX CULVERT



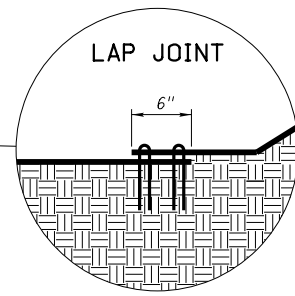
NOTE:  
OFFSET EROSION CONTROL PLACEMENT  
ALONG THE DRAINAGE PATH

NOTE:  
CENTER EROSION CONTROL ON FLUME WHERE  
THERE IS NO DEFINED DRAINAGE PATH

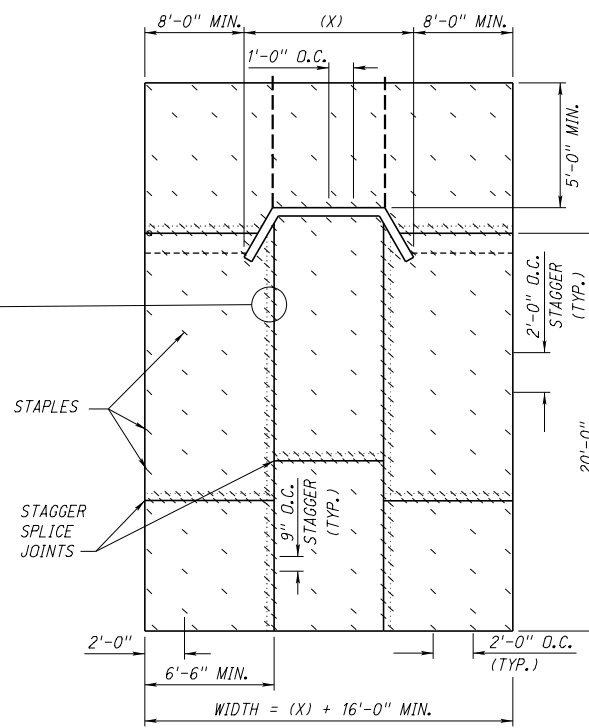
EROSION CONTROL BLANKET PLACEMENT AT SPLASH BASIN



PLAN VIEW STAPLING DIAGRAM  
(X) IS EQUAL TO THE OUTSIDE WIDTH  
OF THE FLARED END SECTION



STAGGER STAPLES  
EVERY 1'-0" O.C.  
WITHIN 20'-0" OF PIPE

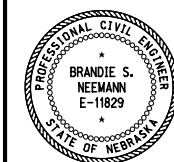


PLAN VIEW STAPLING DIAGRAM  
(X) IS EQUAL TO THE OUTSIDE WIDTH  
OF THE WING WALLS

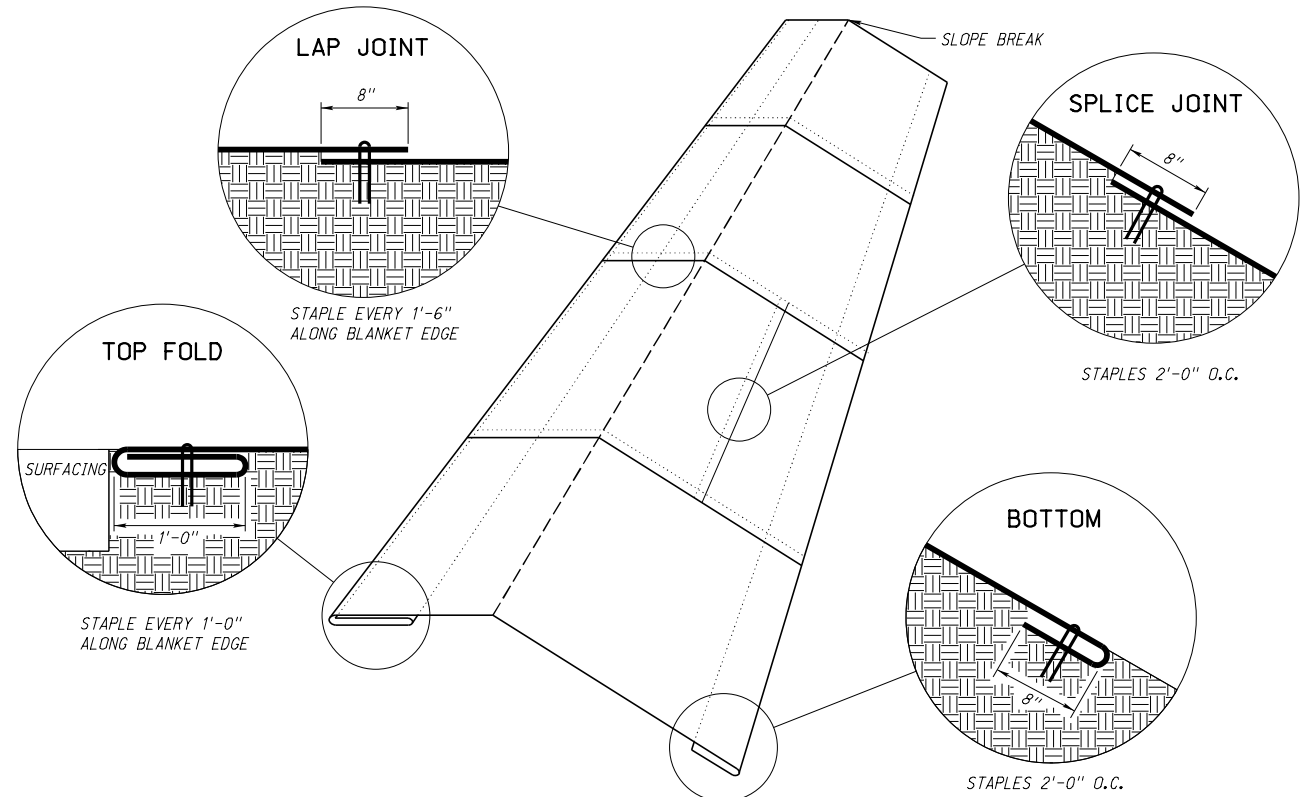
R7	JAN 18	NDOR BORDER TO NDOT BORDER
R6	APR 14	UPDATE INSTALLATION METHOD
R5	OCT 07	EROSION CONTROL AT SPLASH BASIN
REV. NO.	DATE	DESCRIPTION OF REVISION

NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 501-R7  
**EROSION CONTROL**

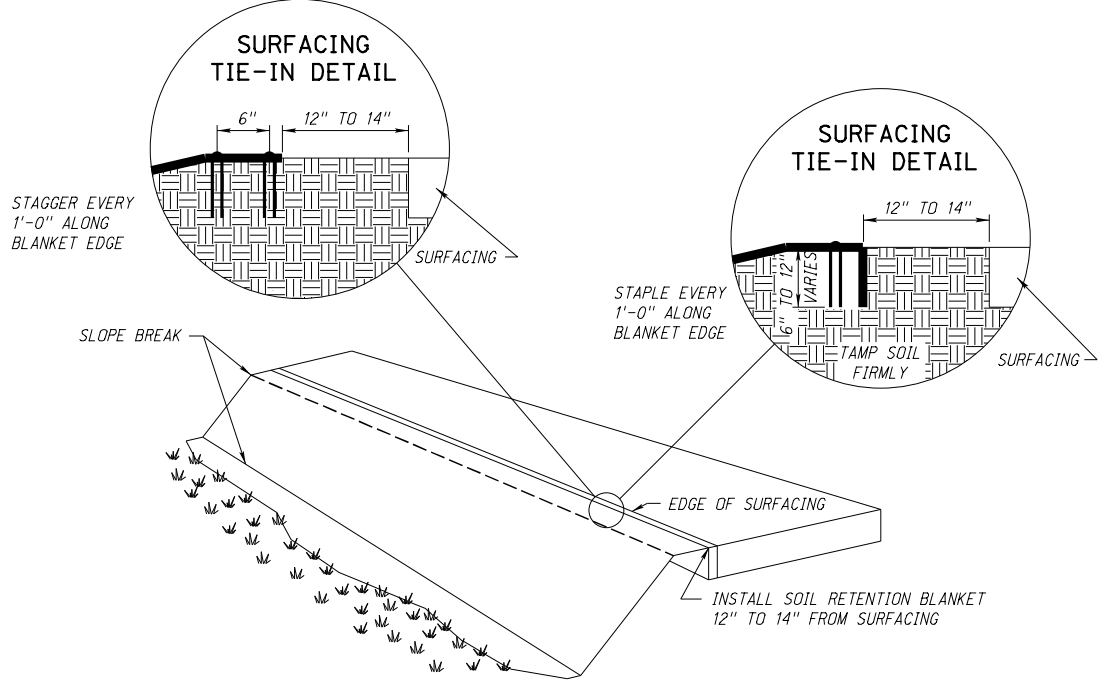
ACCEPTED BY FHWA FOR USE ON THE  
NATIONAL HIGHWAY SYSTEM:



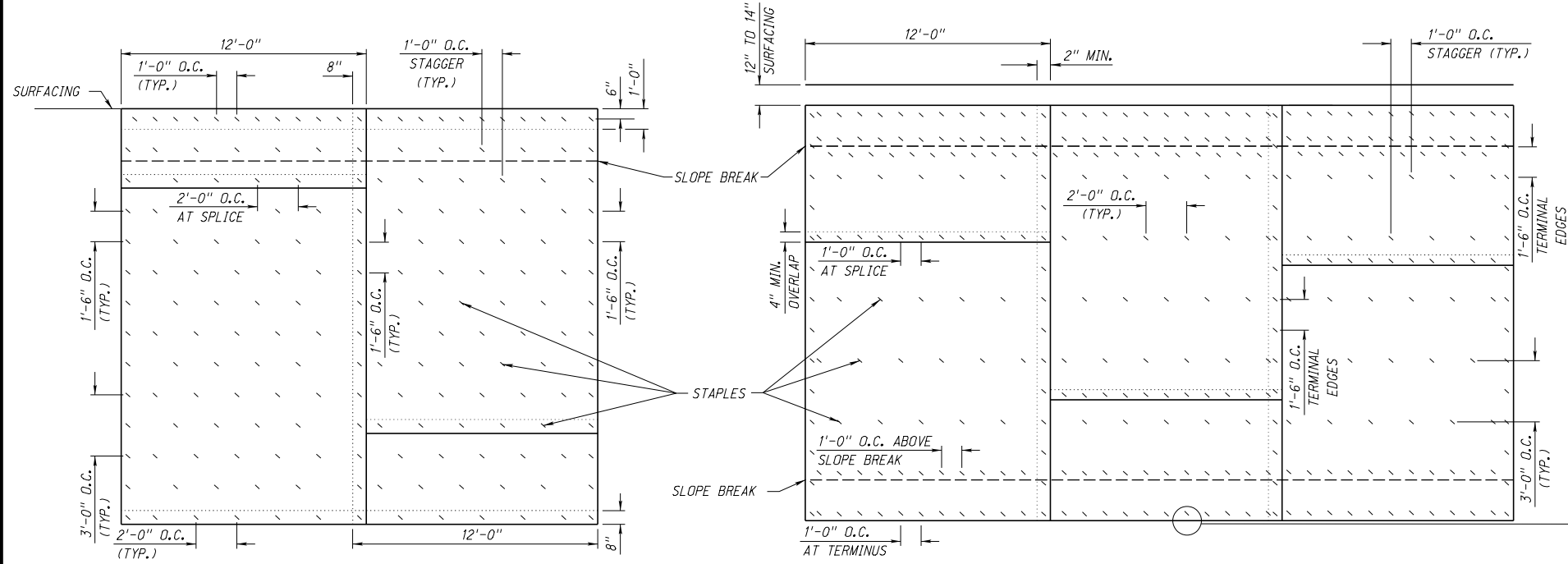
DATE  
ORIGINAL:  
NOVEMBER 1973  
DATE



TYPICAL INSTALLATION  
CLASS 1A (SLOPE PROTECTION, SAND)

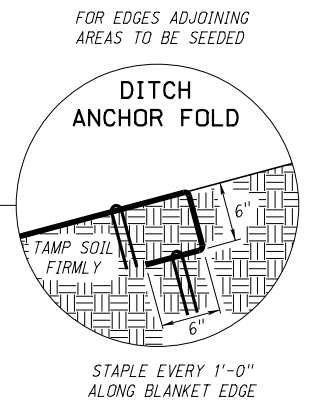


SURFACING INSTALLATION



PLAN VIEW STAPLING DIAGRAM FOR  
CLASS 1A (SLOPE PROTECTION, SAND)

PLAN VIEW STAPLING DIAGRAM FOR  
CLASS 1B, 1C, 1D, 1E, 1F, 2A, 2B, & 2C



- NOTES:
1. THE MANUFACTURERS' RECOMMENDED STAPLING PATTERNS SHALL GOVERN OVER THE PLANS.
  2. SURFACING INSTALLATION IS APPLICABLE FOR ASPHALT, CONCRETE, OR BEVELLED EDGE.

REV. NO.	DATE	DESCRIPTION OF REVISION
R7	JAN 18	NDOR BORDER TO NDOT BORDER
R6	APR 14	UPDATE INSTALLATION METHOD
R5	OCT 07	EROSION CONTROL AT SPLASH BASIN

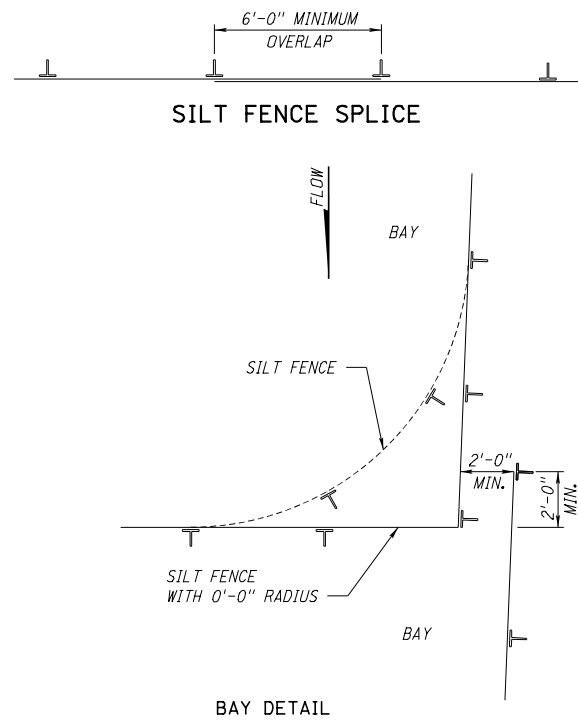
NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 501-R7  
**EROSION CONTROL**

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

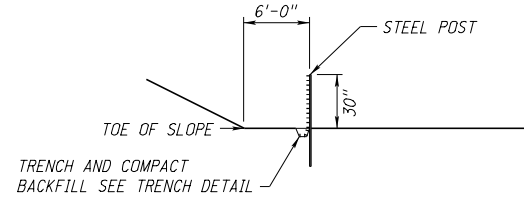
PROFESSIONAL CIVIL ENGINEER  
BRANDIE S. NEEMANN  
E-11829  
STATE OF NEBRASKA

DATE \_\_\_\_\_ ORIGINAL: NOVEMBER 1973 DATE \_\_\_\_\_

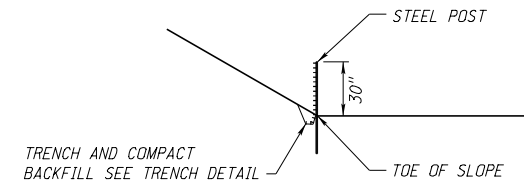
3 / 3



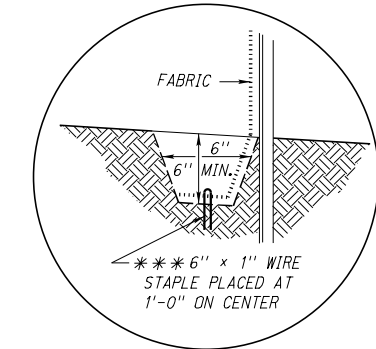
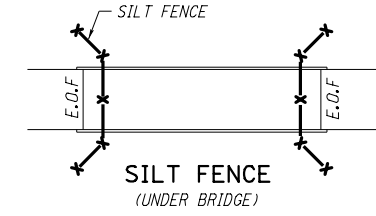
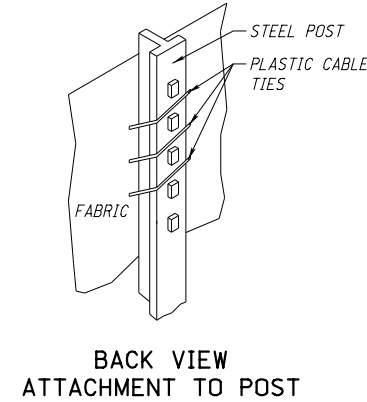
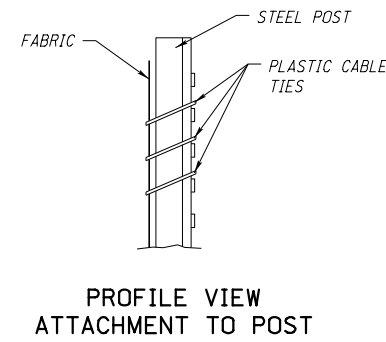
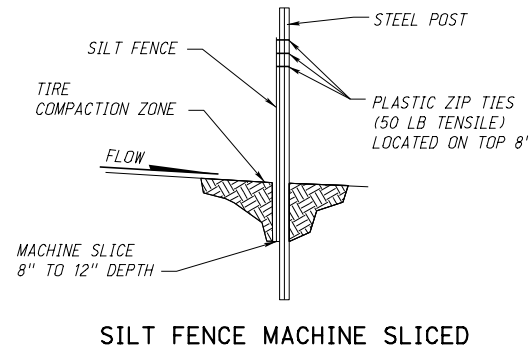
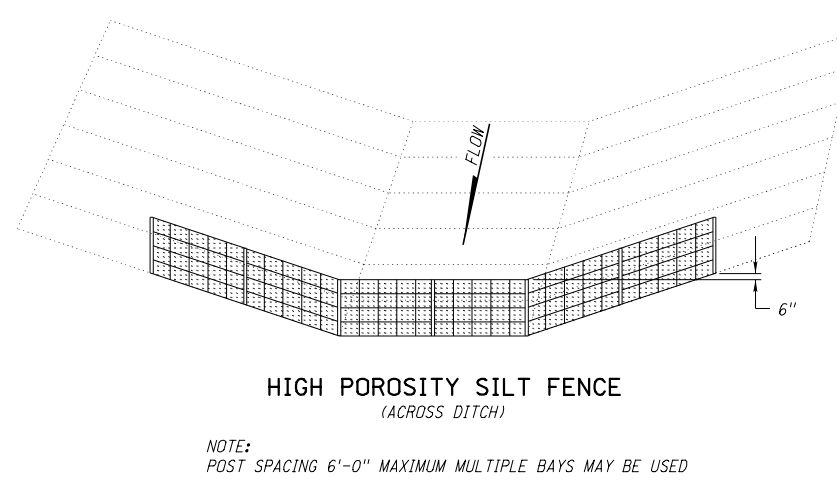
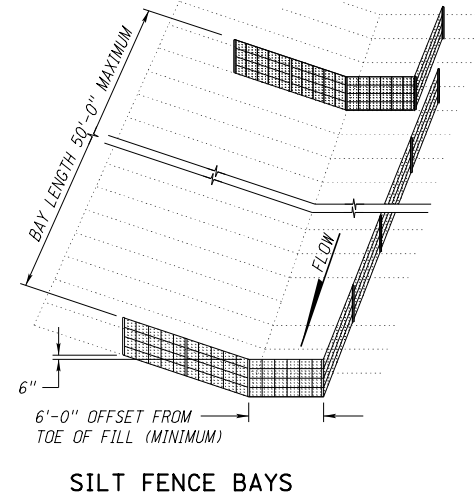
NOTE:  
SILT FENCE AT CORNERS SHALL HAVE A RADIUS OF 0'-0" MINIMUM TO 10'-0" MAXIMUM



OPTION ONE (PREFERRED)  
**SILT FENCE**  
(6'-0" OFFSET FROM TOE OF FILL)



OPTION TWO (WITH LIMITED R.O.W.)  
**SILT FENCE**  
(AT TOE OF FILL)



\*\*\* SILT FENCE MAY ALSO BE INSTALLED WITH A SILT FENCE PLOW. NO STAPLING IS REQUIRED WHEN THE SILT FENCE PLOW IS USED.

- NOTES:
- SILT FENCE SHOULD BE 30" ABOVE GRADE (MAY VARY)
  - SILT FENCE MINIMUM ROLL WIDTH:  
LOW POROSITY = 42"  
HIGH POROSITY = 42"  
LOW PROFILE = 36"  
COIR SILT FENCE = 36"
  - STEEL STUDDED "T" LINE POSTS 5'-6" LENGTH; 6'-0" MAXIMUM SPACING.
  - FOR EACH STEEL STUDDED "T" LINE POST, 3 PLASTIC CABLE TIES ARE REQUIRED.
  - 2" x 2" x 6'-0" NOMINAL WOOD STAKES SPACING, 6'-0" MAXIMUM ON CENTER DRIVEN UNTIL FIRM.

R2	JAN 18	NDOR BORDER TO NDOT BORDER
R1	APR 14	STEEL POST INSTALLATION
REV. NO.	DATE	DESCRIPTION OF REVISION

NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 502-R2  
**SILT FENCE DETAILS**

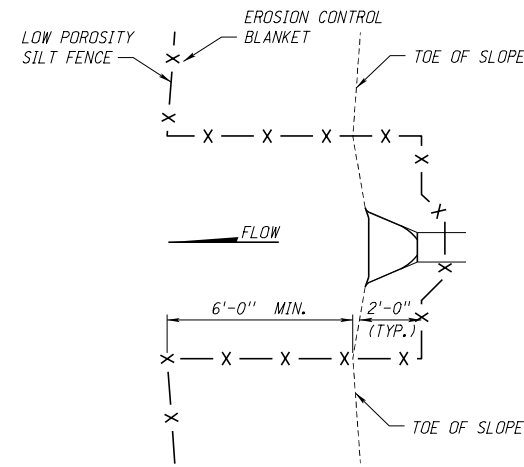
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

PROFESSIONAL CIVIL ENGINEER  
BRANDIE S. NEEMANN  
E-11829  
STATE OF NEBRASKA

DATE

ORIGINAL:  
DECEMBER 2006  
DATE

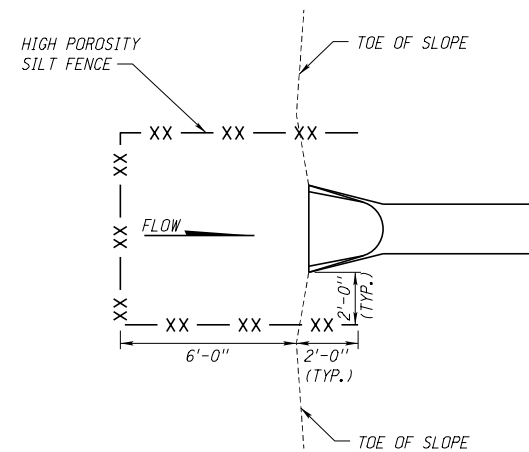
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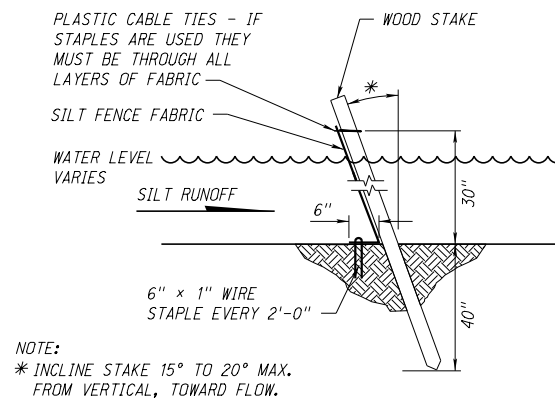
**SILT FENCE OUTLET PROTECTION**

**NOTES:**

1. SILT FENCE SHOULD BE BROUGHT FLUSH WITH WING WALLS ON BOX CULVERTS IF IT CAN NOT BE INSTALLED ABOVE THE BOX CULVERT.
2. IF APPLICABLE, SILT FENCE AROUND THE CULVERT SHOULD BE ADJUSTED TO ALLOW FOR THE INSTALLATION OF EROSION CONTROL AS SHOWN IN STANDARD PLAN 501.
3. SILT CHECKS MAY BE USED IN PLACE OF SILT FENCE ABOVE THE OPENING OF A CULVERT, AS SHOWN IN SPECIAL PLAN C.

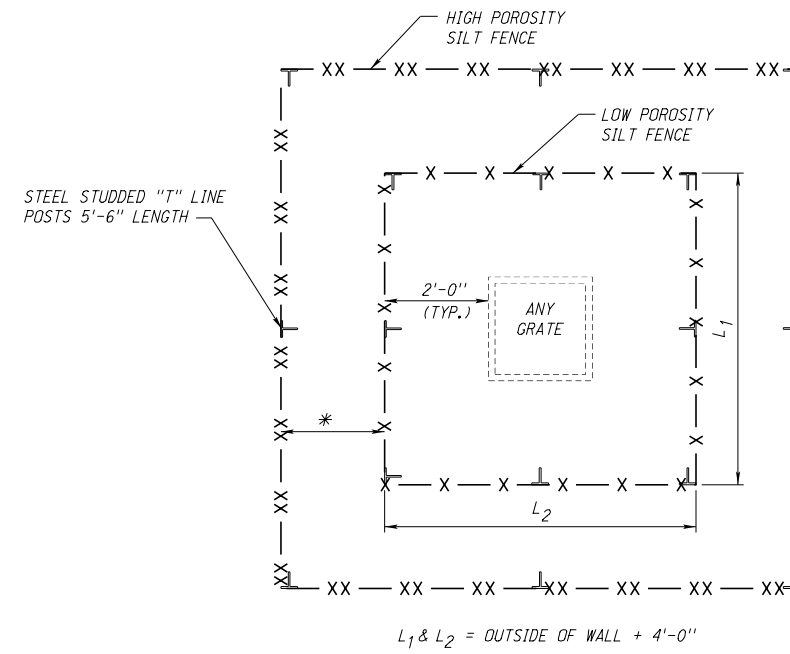


**SILT FENCE INLET PROTECTION**



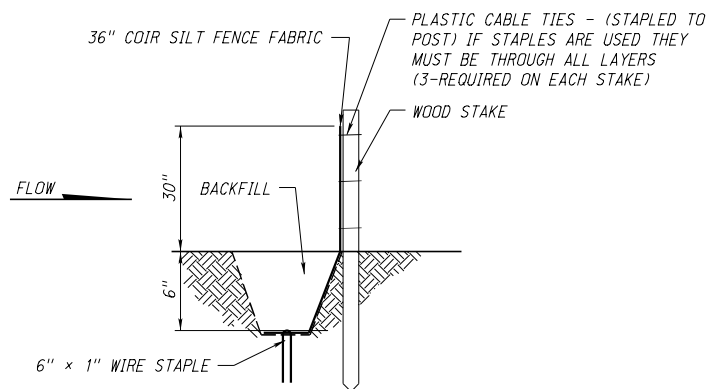
NOTE:  
\* INCLINE STAKE 15° TO 20° MAX. FROM VERTICAL, TOWARD FLOW.

**SILT FENCE**  
(WET & BELOW WATER INSTALLATION)

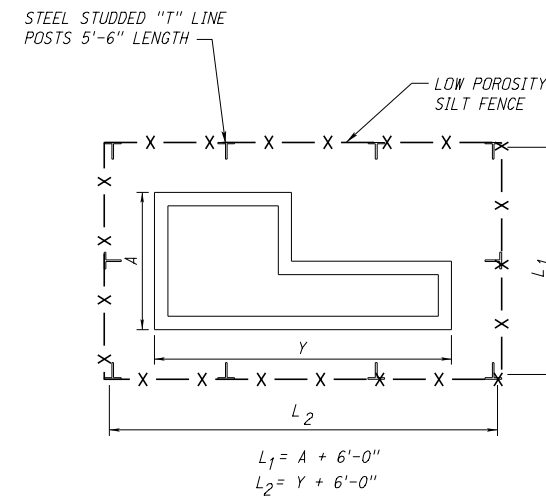


**PLAN VIEW**  
**SILT FENCE FOR GRATE, AREA, MEDIAN INLETS**  
**OR JUNCTION BOXES**

\* 3'-0" IF POSSIBLE (MAY VARY)



**COIR SILT FENCE - ON WOOD POSTS - DRY INSTALLATION**

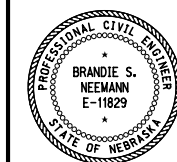


**PLAN VIEW**  
**SILT FENCE CURB INLET**

R2	JAN 18	NDOR BORDER TO NDOT BORDER
R1	APR 14	STEEL POST INSTALLATION
REV. NO.	DATE	DESCRIPTION OF REVISION

NEBRASKA DEPARTMENT OF TRANSPORTATION  
**STANDARD PLAN NO. 502-R2**  
**SILT FENCE DETAILS**

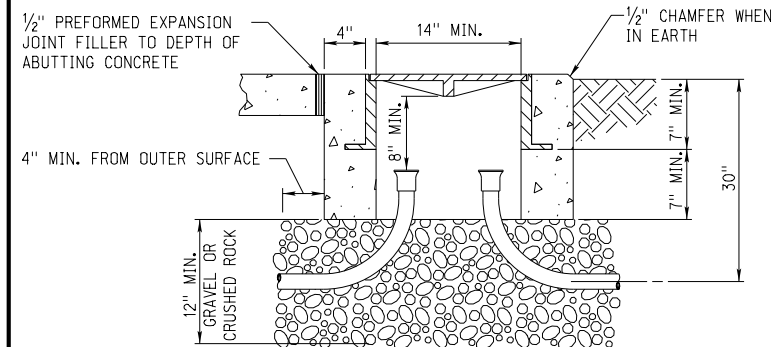
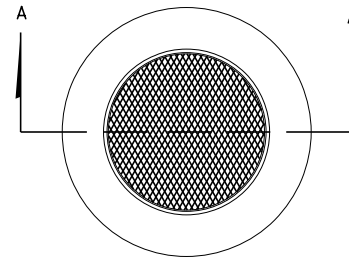
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:



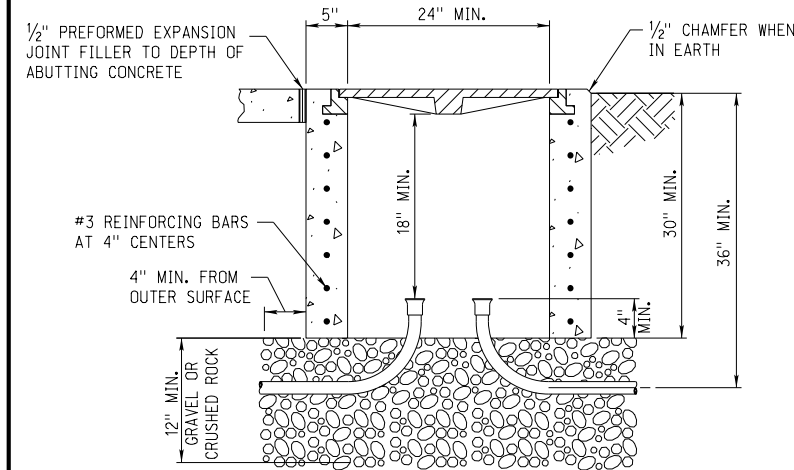
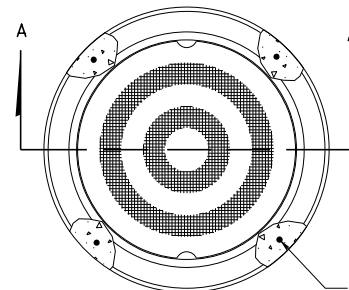
DATE \_\_\_\_\_

ORIGINAL: DECEMBER 2006

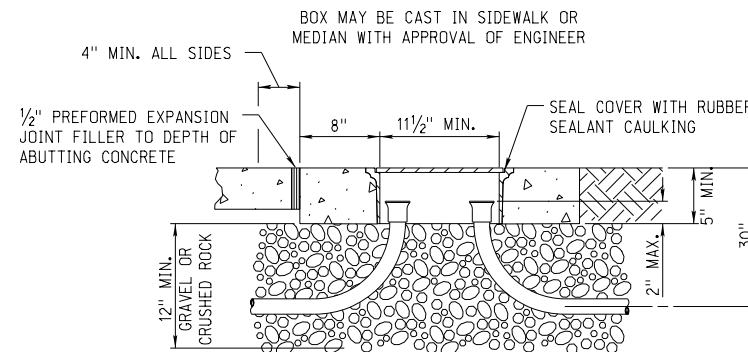
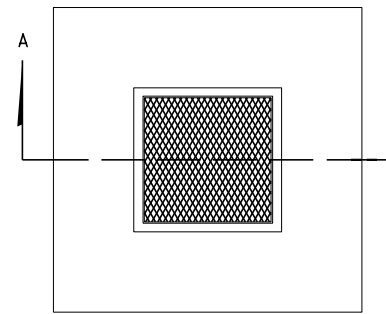
DATE \_\_\_\_\_



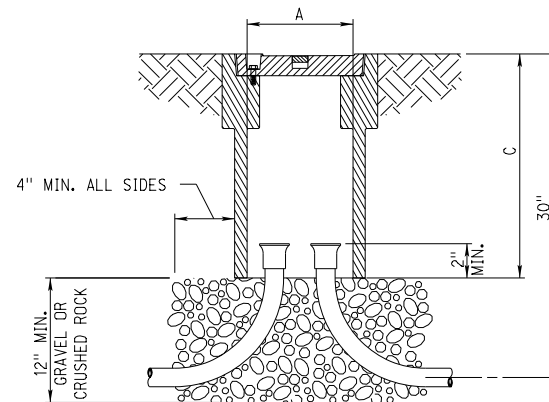
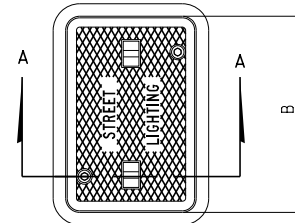
SECTION A-A  
PULL BOX, TYPE PB-1



SECTION A-A  
PULL BOX, TYPE PB-2



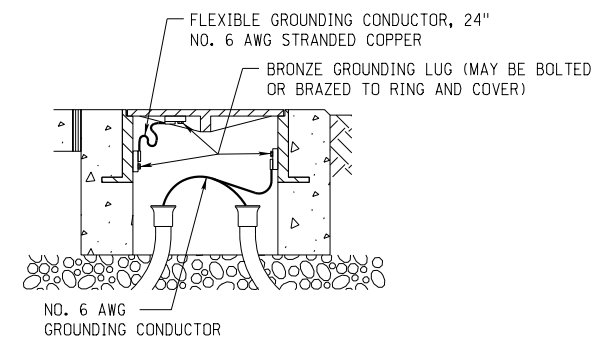
SECTION A-A  
PULL BOX, TYPE PB-4



SECTION A-A

APPROXIMATE DIMENSIONS			
TYPE	A	B	C
PB-5	13"	24"	18"
PB-6	17"	30"	18"

PULL BOX, TYPE PB-5 & PB-6



GROUNDING CONNECTIONS  
FOR METAL FRAME AND COVER

NOTES:

- ACCESS DUCTS, BENDS AND/OR SWEEPS, ARE SUBSIDIARY TO THE ITEM "PULL BOX, TYPE PB-\*".
- FILL MATERIAL SHALL BE GRAVEL OR CRUSHED ROCK COMPOSED OF CLEAN, DURABLE AND UNCOATED PARTICLES. FILL MATERIAL SHALL EXTEND A MINIMUM OF 4 INCHES BEYOND THE OUTER WALL OF THE ENCLOSURE. CRUSHED LIMESTONE SHALL NOT BE USED.
- PROLONGED EXPOSURE OF THE PULL BOX AND COVER TO SUNLIGHT, COMMON ICE MELTING CHEMICALS OR FERTILIZERS SHALL NOT CAUSE SIGNIFICANT DAMAGE TO THE PULL BOX OR COVER, OR IMPAIR IT'S FUNCTION.
- CONDUIT ENDS IN PULL BOX SHALL BE FITTED WITH BELL OR FLARED ENDS.

TYPE PB-1, PB-2 AND PB-4

- CONCRETE SHALL BE CLASS 47B-3000.
- PULL BOXES WHICH ARE INTENDED FOR INSTALLATION IN SURFACED AREAS, SUCH AS SIDEWALKS OR SURFACED MEDIANS, SHALL HAVE A LIP OR FLANGED EDGE FRAMING THE COVER OPENING TO PROVIDE A FLUSH, FRAMED SEPARATION BETWEEN THE SURFACING MATERIAL AND THE EDGES OF THE COVER.

- PULL BOX COVERS SHALL BE EMBOSSED WITH AN ANTI-SLIP SURFACE PATTERN, AND SHALL FIT SUFFICIENTLY TIGHT TO PREVENT ENTRANCE OF RUN-OFF WATER.

- SEATING SURFACES OF FRAME AND COVER SHALL BE MACHINED TO FIT. FRAME AND COVER TO BE CAST IRON.

- PULL BOXES TYPE PB-1 AND TYPE PB-2, SHALL BE CAPABLE OF SUPPORTING VEHICULAR TRAFFIC IN ACCORDANCE WITH AASHTO SPECIFICATIONS H-20 LOADING.

- PULL BOX TYPE PB-4 SHALL BE CAPABLE OF SUPPORTING LIGHT VEHICULAR TRAFFIC IN ACCORDANCE WITH AASHTO SPECIFICATION H-10 LOADING.

TYPE PB-5 AND PB-6

- TYPE PB-5 AND PB-6 PULL BOXES ARE IN GROUND, GRADE LEVEL ENCLOSURES INTENDED TO BE INSTALLED BEHIND CURBS OR AT DISTANCES OFF OF THE ROADWAY WHERE NO DELIBERATE VEHICULAR TRAFFIC IS ANTICIPATED AND ONLY AN OCCASIONAL HEAVY VEHICLE WILL BE ENCOUNTERED.

- THE PULL BOX ILLUSTRATIONS SHOWN ARE TYPICAL OF COMMERCIALY AVAILABLE UNITS AND ARE NOT INTENDED TO LIMIT DESIGN. PULL BOXES OF EQUAL OR GREATER VOLUME HAVING TAPERED SIDES OR CIRCULAR OR SQUARE PLAN SECTION ARE ALSO ACCEPTABLE. A MINIMUM PULL BOX DEPTH OF 18 INCHES MUST BE MAINTAINED.

- THE TYPE PB-5 AND PB-6 PULL BOX ENCLOSURES (BOX AND COVER) SHALL BE NON-METALLIC AND GREEN OR GRAY IN COLOR.

- PULL BOX COVERS SHALL BE OF HEAVY-DUTY CONSTRUCTION TO WITHSTAND THE STRUCTURAL REQUIREMENTS OF THE SPECIFICATIONS. COVERS SHALL FIT SUFFICIENTLY TIGHT TO PREVENT THE ENTRANCE OF RUN-OFF WATER. COVERS SHALL BE EMBOSSED WITH AN ANTI-SLIP SURFACE, THE MANUFACTURER'S NAME AND THE LOGO "STREET LIGHTING". COVERS SHALL BE HELD SECURELY IN PLACE BY TWO OR MORE 3/8" (MIN. DIA.) STAINLESS STEEL HEX HEAD BOLTS WITH FLAT WASHER. BOLTS SHALL BE HELD CAPTIVE TO THE COVER. ALL COVERS SHALL BE EQUIPPED WITH A RECESSED "LIFT PIN" AND HAVE A MINIMUM 0.50 COEFFICIENT OF FRICTION SKID RESISTANT SURFACE.

- EACH PB-5 AND PB-6 PULL BOX ASSEMBLY (BOX WITH HEAVY-DUTY COVER SECURELY ATTACHED) SHALL CONFORM TO ALL TEST PROVISIONS AND REQUIREMENTS FOR TIER 15 APPLICATIONS AS OUTLINED IN THE LATEST ISSUE OF THE ANSI/SCTE 77 STANDARD TITLED "SPECIFICATION FOR UNDER GROUND ENCLOSURE INTEGRITY". INDEPENDENT THIRD-PARTY TEST REPORTS TOGETHER WITH CERTIFICATION THAT ALL TEST PROVISIONS OF THE LATEST ISSUE OF THE ANSI/SCTE 77 STANDARD HAVE BEEN MET WILL BE REQUIRED FOR EACH TYPE OF PULL BOX BEING FURNISHED. ALL TEST REPORTS SHALL BE DATED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER AND SHALL BEAR THE LETTERHEAD OF THE TESTING AGENCY.

- THE INDEPENDENT TEST REPORTS SHALL BE CERTIFIED AS TO BEING REPRESENTATIVE OF THE RESULTS THAT WOULD BE OBTAINED BY SIMILARLY TESTING PULL BOXES OF LIKE KIND THAT THE MANUFACTURER WILL BE FURNISHING TO STATE OF NEBRASKA HIGHWAY PROJECTS. THE CERTIFICATION SHALL BE EXECUTED AND SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE PULL BOX MANUFACTURER AND SHALL BEAR THE MANUFACTURER'S LETTERHEAD. A NEW TEST REPORT AND CERTIFICATION FOR EACH TYPE PULL BOX BEING FURNISHED WILL BE REQUIRED EVERY FIVE YEARS.

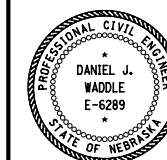
- THE TEST REPORTS AND CERTIFICATIONS, IF FOUND ACCEPTABLE, WILL BE PLACED ON FILE IN THE ROADWAY DESIGN DIVISION OF THE NEBRASKA DEPARTMENT OF ROADS IN LINCOLN, NEBRASKA AND THE PULL BOX MANUFACTURER'S NAME AND PART NUMBER WILL BE ADDED TO THE NEBRASKA DEPARTMENT OF ROADS "APPROVED PRODUCTS LIST."

- AFTER ACCEPTANCE BY THE STATE, THE PULL BOX MANUFACTURER SHALL MAKE NO CHANGES IN DIMENSIONS, MANUFACTURING PROCESS OR MATERIAL WITHOUT SUBMITTING NEW TEST REPORTS FOR APPROVAL.

REV. NO.	DATE	DESCRIPTION OF REVISION
R8	JAN 18	NDOR BORDER TO NDOT BORDER
R7	DEC 16	ADD 8" GAP TO PB-1 & NOTES 2,4,6,17
R6	JAN 10	WIDTH OF DRAINABLE BASE & NOTE 12

NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 914-R8  
**PULL BOX DETAIL**

ACCEPTED BY FHWA FOR USE ON THE  
NATIONAL HIGHWAY SYSTEM:



DATE \_\_\_\_\_  
ORIGINAL:  
JULY 2, 1981  
DATE \_\_\_\_\_

1  
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**CHANNELIZATION DEVICES**

THE FUNCTION OF CHANNELIZATION DEVICES IS TO WARN ROAD USERS OF CONDITIONS CREATED BY WORK ACTIVITIES IN OR NEAR THE TRAVELED WAY, TO PROTECT WORKERS IN THE TEMPORARY TRAFFIC CONTROL ZONE, AND TO GUIDE DRIVERS AND PEDESTRIANS SAFELY. CHANNELIZATION DEVICES INCLUDE BUT ARE NOT LIMITED TO CONES, TUBULAR POSTS, VERTICAL PANELS, DRUMS, BARRICADES, TRAFFIC LANE DIVIDERS, TEMPORARY RAISED ISLANDS, AND BARRIERS.

DEVICES USED FOR CHANNELIZATION SHOULD PROVIDE FOR SMOOTH AND GRADUAL TRAFFIC MOVEMENT FROM ONE LANE TO ANOTHER, ONTO A BYPASS OR DETOUR, OR TO REDUCE THE WIDTH OF THE TRAVELED WAY. THEY MAY ALSO BE USED TO SEPARATE TRAFFIC FROM THE WORK SPACE, PAVEMENT DROP-OFFS, PEDESTRIAN PATHS, OR OPPOSING DIRECTIONS OF TRAFFIC.

CHANNELIZING DEVICES SHALL MEET THE CRASHWORTHY PERFORMANCE CRITERIA CONTAINED IN THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 OR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH). THEY SHOULD BE CONSTRUCTED AND BALLASTED TO PERFORM IN A PREDICTABLE MANNER WHEN INADVERTENTLY STRUCK BY A VEHICLE. IF STRUCK, THE DEVICE SHOULD YIELD OR BREAK AWAY, FRAGMENTS OR OTHER DEBRIS FROM THE DEVICE SHOULD NOT PENETRATE THE PASSENGER COMPARTMENT OF THE VEHICLE OR BE A POTENTIAL HAZARD TO WORKERS OR PEDESTRIANS IN THE IMMEDIATE AREA.

SPACING OF CHANNELIZING DEVICES SHOULD NOT EXCEED A DISTANCE IN FEET EQUAL TO THE SPEED WHEN USED FOR THE TAPER CHANNELIZATION, AND A DISTANCE IN FEET OF TWICE THE SPEED WHEN USED FOR TANGENT CHANNELIZATION.

SPACING OF CHANNELIZATION DEVICES		
SPEED (MPH)	SPACING OF DEVICES (FEET)	
	TAPER	TANGENT
25	25	50
35	35	70
45	45	90
55	55	110
60	60	120
65	65	130
75	75	150

WARNING LIGHTS MAY BE ADDED TO CHANNELIZING DEVICES IN AREAS WITH FREQUENT FOG, SNOW, OR SEVERE ROADWAY CURVATURE, OR WHERE VISUAL DISTRACTIONS ARE PRESENT, EXCEPT FOR THE SEQUENTIAL FLASHING WARNING LIGHTS, WARNING LIGHTS PLACED ON CHANNELIZING DEVICES USED IN A SERIES TO CHANNELIZE ROAD USERS SHALL BE STEADY-BURN.

THE RETROREFLECTIVE MATERIAL USED ON CHANNELIZING DEVICES SHALL HAVE A SMOOTH, SEALED OUTER SURFACE, MEETING THE REQUIREMENTS OF THE ASTM SPECIFICATION D4956, FOR TYPE IV SHEETING OR TYPE V REBOUNDABLE SHEETING (OR GREATER).

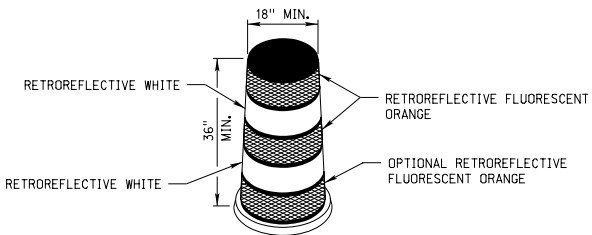
COEFFICIENT OF RETROREFLECTION (CD/LUX/M <sup>2</sup> )			
WHITE	ORANGE	RED	YELLOW
250	100	45	170

THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) "QUALITY GUIDELINES FOR WORK ZONE TRAFFIC CONTROL DEVICES" SHALL BE USED AS A VISUAL GUIDE FOR DETERMINING IF A TRAFFIC CONTROL DEVICE/OR SIGN IS ACCEPTABLE, MARGINAL OR UNACCEPTABLE.

THE NAME AND TELEPHONE NUMBER OF THE AGENCY, CONTRACTOR, OR SUPPLIER MAY BE SHOWN ON THE CHANNELIZING DEVICE BACK OR SUPPORT, BUT NOT ON THE DEVICE FACE. THE LETTERS AND NUMBERS SHALL BE A NON-REFLECTIVE COLOR AND NOT OVER 15 SQUARE INCHES IN TOTAL AREA.

PARTICULAR ATTENTION SHOULD BE GIVEN TO MAINTAINING THE CHANNELIZING DEVICES TO KEEP THEM CLEAN, VISIBLE, AND PROPERLY POSITIONED. DEVICES SHALL BE REPLACED THAT ARE DAMAGED AND/OR HAVE LOST A SIGNIFICANT AMOUNT OF THEIR RETROREFLECTIVITY AND EFFECTIVENESS.

**REFLECTORIZED PLASTIC DRUMS**



**DESIGN**

REFLECTORIZED PLASTIC DRUMS USED FOR TRAFFIC WARNING OR CHANNELIZATION SHALL BE CONSTRUCTED OF LIGHTWEIGHT, FLEXIBLE, AND DEFORMABLE MATERIALS AND BE A MINIMUM OF 36 INCHES IN HEIGHT AND HAVE A MINIMUM WIDTH OF AT LEAST A 18 INCHES, REGARDLESS OF ORIENTATION, THE PREDOMINANT COLOR OF THE DRUM SHALL BE ORANGE. METAL DRUMS SHALL NOT BE USED. THE MARKINGS ON DRUMS SHALL BE HORIZONTAL, SHALL BE CIRCUMFERENTIAL, AND SHALL DISPLAY FOUR 6 INCH WIDE BANDS OF RETROREFLECTIVE SHEETING, ALTERNATING FLUORESCENT ORANGE-WHITE-FLUORESCENT ORANGE-WHITE. DRUMS SHALL HAVE CLOSED TOPS THAT WILL NOT ALLOW COLLECTION OF CONSTRUCTION OR OTHER DEBRIS.

**APPLICATION**

DRUMS ARE MOST COMMONLY USED TO CHANNELIZE OR DELINEATE TRAFFIC FLOW BUT MAY ALSO BE USED INDIVIDUALLY OR IN GROUPS TO MARK SPECIFIC LOCATIONS. DRUMS ARE HIGHLY VISIBLE AND HAVE GOOD TARGET VALUE; THEY GIVE THE APPEARANCE OF BEING FORMIDABLE OBSTACLES AND, THEREFORE, COMMAND THE RESPECT OF ROAD USERS.

BALLAST SHALL NOT BE PLACED ON TOP OF THE DRUM. DRUMS SHOULD NOT BE WEIGHTED WITH SAND, WATER, OR ANY MATERIAL.

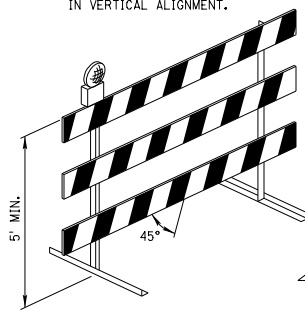
**BARRICADES**

BARRICADE TYPE	TYPE II	TYPE III
WIDTH OF RAIL*	8 INCHES MIN. - 12 INCHES MAX.	8 INCHES MIN. - 12 INCHES MAX.
LENGTH OF RAIL	36 INCHES	8 FEET**
WIDTH OF STRIPES	6 INCHES	6 INCHES
HEIGHT	36 INCHES	5 FEET
REFLECTIVE SHEETING	TYPE IV	TYPE IV
NUMBER OF REFLECTORIZED RAIL FACES	4 (TWO EACH DIRECTION)	6 (THREE EACH DIRECTION)

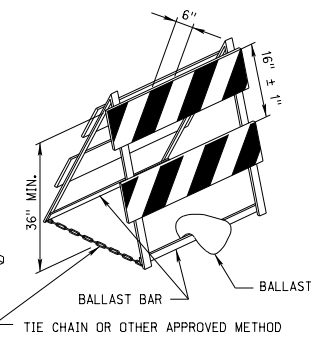
\*NOMINAL DIMENSIONS ARE PERMISSIBLE WHEN CONSTRUCTED FROM LUMBER.  
\*\*WHEN LATERAL SPACE IS LIMITED, SOME TYPE III BARRICADES WITH A 4 FOOT LENGTH OF RAIL, MAY BE ALLOWED WHEN APPROVED BY THE ENGINEER.

**TYPE III BARRICADE**

TYPICAL MOUNTING OF FLASHING WARNING LIGHTS. LIGHTS SHALL ALWAYS BE IN VERTICAL ALIGNMENT.



**TYPE II BARRICADE**



BALLAST SHALL NOT BE PLACED OVER ANY REFLECTIVE DEVICE

**DESIGN**

A BARRICADE IS A PORTABLE OR FIXED DEVICE HAVING TWO OR THREE RAILS WITH APPROPRIATE MARKINGS. IT IS USED TO CONTROL ROAD USERS BY CLOSING, RESTRICTING, OR DELINEATING ALL OR A PORTION OF THE RIGHT-OF-WAY.

BARRICADES SHALL BE ONE OF TWO TYPES; TYPE II OR TYPE III.

STRIPES ON BARRICADE RAILS SHALL BE ALTERNATING ORANGE AND WHITE RETROREFLECTIVE STRIPES SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION ROAD USERS ARE TO PASS. THE STRIPES SHALL BE 6 INCHES WIDE. THE MINIMUM RAIL LENGTH FOR A TYPE II BARRICADE IS 36 INCHES.

WHERE BARRICADES EXTEND ENTIRELY ACROSS A ROADWAY, THE STRIPES SHOULD SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH ROAD USERS MUST TURN. WHERE BOTH RIGHT AND LEFT TURNS ARE PROVIDED, THE STRIPES MAY SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE OR BARRICADES. WHERE NO TURNS ARE INTENDED, THE STRIPES SHOULD SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE OR BARRICADES.

BARRICADE RAILS SHOULD BE SUPPORTED IN A MANNER THAT WILL ALLOW THEM TO BE SEEN BY THE ROAD USER, AND IN A MANNER THAT PROVIDES A STABLE SUPPORT THAT IS NOT EASILY BLOWN OVER OR DISPLACED.

ON HIGH-SPEED ROADWAYS OR IN OTHER SITUATIONS WHERE BARRICADES MAY BE SUSCEPTIBLE TO OVERTURNING IN THE WIND, SANDBAGS SHOULD BE USED FOR BALLASTING. SANDBAGS MAY BE PLACED ON LOWER PARTS OF THE FRAME OR STAYS TO PROVIDE THE REQUIRED BALLAST BUT SHALL NOT BE PLACED ON TOP OF ANY STRIPED RAIL. BARRICADES SHALL NOT BE BALLASTED BY HEAVY OBJECTS SUCH AS ROCKS OR CHUNKS OF CONCRETE.

THE BARRICADE OWNERS NAME, NOT TO EXCEED 15 SQUARE INCHES SHALL BE SHOWN ON THE BARRICADE BACK OR SUPPORT BUT NOT ON ITS FACE.

\*\* WHEN LATERAL SPACE IS LIMITED, SOME TYPE III BARRICADES WITH A 4 FOOT LENGTH OF RAIL, MAY BE ALLOWED WHEN APPROVED BY THE ENGINEER.

**APPLICATION**

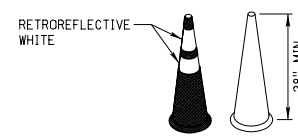
TYPE II BARRICADES ARE INTENDED FOR USE IN SITUATIONS WHERE TRAFFIC IS MAINTAINED THROUGH THE TEMPORARY TRAFFIC CONTROL ZONE. THEY MAY BE USED INDIVIDUALLY OR IN GROUPS TO MARK A SPECIFIC CONDITION, OR THEY MAY BE USED IN A SERIES FOR CHANNELIZING TRAFFIC. ON THE INTERSTATE, FREEWAY AND EXPRESSWAY SYSTEM, TYPE II BARRICADES SHALL NOT BE USED FOR CHANNELIZATION.

TYPE III BARRICADES USED AT A ROAD CLOSURE MAY EXTEND COMPLETELY ACROSS A ROADWAY FROM CURB TO CURB. WHERE PROVISION IS MADE FOR ACCESS OF AUTHORIZED EQUIPMENT AND VEHICLES, THE RESPONSIBILITY FOR THE TYPE III BARRICADES SHOULD BE ASSIGNED TO A PERSON WHO SHALL PROVIDE PROPER CLOSURE AT THE END OF EACH WORK DAY.

WHEN A HIGHWAY IS LEGALLY CLOSED BUT ACCESS MUST STILL BE ALLOWED FOR LOCAL TRAFFIC, THE TYPE III BARRICADES MAY NOT BE EXTENDED COMPLETELY ACROSS A ROADWAY. A SIGN WITH THE APPROPRIATE LEGEND CONCERNING PERMISSIBLE USE BY LOCAL TRAFFIC SHALL BE MOUNTED.

NORMALLY PERMANENT SIGNS MOUNTED ON BARRICADES SHALL BE ERRECTED ABOVE THE BARRICADE. THE SIGNS "ROAD CLOSED", OR "ROAD WORK AHEAD", FOR EXAMPLE CAN EFFECTIVELY BE MOUNTED ABOVE THE BARRICADE THAT CLOSSES THE ROADWAY. TYPE III BARRICADES SHALL BE SUPPLEMENTED WITH A LIGHTING DEVICE UNLESS SPECIFICALLY OMITTED BY THE ENGINEER. DETOUR ARROW AND LARGE WARNING ARROW SIGNS SHOULD BE PLACED ON THE FACE OF BARRICADE.

**CONES**



**DESIGN**

CONES SHALL BE PREDOMINANTLY ORANGE, FLUORESCENT RED-ORANGE, OR FLUORESCENT YELLOW/ORANGE, NOT LESS THAN 28 INCHES IN HEIGHT, AND SHALL BE MADE OF A MATERIAL THAT CAN BE STRUCK WITHOUT DAMAGING VEHICLES ON IMPACT. CONES WHEN ALLOWED ON THE INTERSTATE, FREEWAY OR EXPRESSWAY SYSTEM SHALL BE A MINIMUM OF 36 INCHES IN HEIGHT.

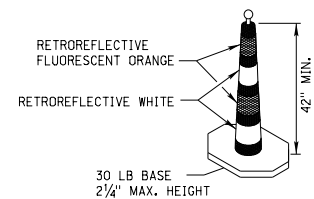
FOR NIGHTTIME USE, CONES SHALL BE RETROREFLECTIVE OR EQUIPPED WITH LIGHTING DEVICES FOR MAXIMUM VISIBILITY. RETROREFLECTION OF 28 INCH OR 36 INCH CONES SHALL BE PROVIDED BY A WHITE BAND 6 INCHES WIDE, NO MORE THAN 4 INCHES FROM THE TOP OF THE CONE, AND AN ADDITIONAL 4 INCH WIDE WHITE BAND A MINIMUM OF 2 INCHES BELOW THE 6 INCH BAND.

**APPLICATION**

TRAFFIC CONES ARE USED TO CHANNELIZE TRAFFIC, DIVIDE OPPOSING TRAFFIC LANES, DIVIDE TRAFFIC LANES WHEN TWO OR MORE LANES ARE KEPT OPEN IN THE SAME DIRECTION, AND DELINEATE SHORT-DURATION MAINTENANCE AND UTILITY WORK. CONES SHALL NOT BE USED FOR LANE CLOSURE TAPERS OR SHIFTS, CONES SMALLER THAN 42 INCHES SHALL NOT BE USED AT NIGHT ON RURAL HIGHWAYS, UNLESS SHOWN ON THE PLANS OR AS APPROVED OR DIRECTED BY THE ENGINEER.

STEPS SHOULD BE TAKEN TO ENSURE THAT CONES WILL NOT BE BLOWN OVER OR DISPLACED BY WIND OR MOVING TRAFFIC. CONES CAN BE DOUBLED UP TO INCREASE THEIR WEIGHT. SOME CONES ARE CONSTRUCTED WITH BASES THAT CAN BE FILLED WITH BALLAST. OTHERS HAVE SPECIAL WEIGHTED BASES, OR WEIGHTS SUCH AS SANDBAG RINGS THAT CAN BE DROPPED OVER THE CONES AND ONTO THE BASE TO PROVIDE ADDED STABILITY. BALLAST, HOWEVER, SHOULD NOT PRESENT A HAZARD IF THE CONES ARE INADVERTENTLY STRUCK.

**42 INCH CONES**



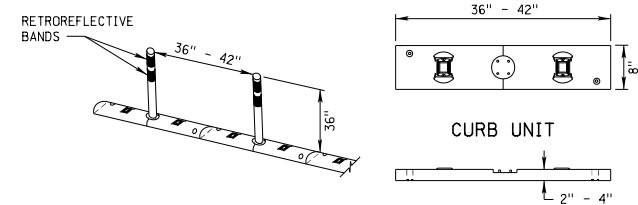
**DESIGN**

42 INCH CONES SHALL INCLUDE A 30 POUND RUBBER BASE AND DISPLAY FOUR 6 INCH WIDE BANDS OF RETROREFLECTIVE SHEETING, ALTERNATING FLUORESCENT ORANGE-WHITE-FLUORESCENT ORANGE-WHITE.

**APPLICATION**

WHEN APPROVED BY THE ENGINEER OR SHOWN IN THE PLANS, 42 INCH REFLECTIVE CONES MAY BE USED IN LIEU OF TYPE II BARRICADES OR REFLECTORIZED DRUMS. 42 INCH CONES SHALL NOT BE USED FOR LANE-CLOSURE TAPERS OR SHIFTS. IF A RECTANGULAR BASE IS USED, THE LONG SIDE OF THE BASE SHOULD BE ORIENTED PARALLEL TO THE DIRECTION OF TRAFFIC.

**TUBULAR POST AND CURB SYSTEM**



**DESIGN**

TUBULAR POSTS USED IN THE SYSTEM SHALL BE 36 INCHES HIGH AND A MINIMUM OF 2 INCHES WIDE WHEN FACING TRAFFIC. THE TUBULAR POST AND CURB SYSTEM SHALL BE MADE OF A MATERIAL THAT CAN BE STRUCK WITHOUT DAMAGING IMPACTING VEHICLES. THE COLOR SHALL BE AS SHOWN IN THE PLANS.

THE TUBULAR POSTS SHALL BE RETROREFLECTIVE. RETROREFLECTION OF TUBULAR POSTS SHALL BE PROVIDED BY TWO 3-INCH WIDE RETROREFLECTIVE BANDS PLACED A MAXIMUM OF 2 INCHES FROM THE TOP WITH A MAXIMUM OF 6 INCHES BETWEEN THE BANDS. EACH CURB SECTION SHALL CONTAIN ONE RETROREFLECTIVE MARKER FACING EACH DIRECTION OF TRAFFIC. THE COLOR OF THE RETROREFLECTIVE BANDS AND MARKERS SHALL MATCH THE POST/CURB COLOR.

THE CURB SECTIONS SHALL BE CONFIGURED TO ALLOW FOR DRAINAGE FROM THE PAVEMENT SURFACE.

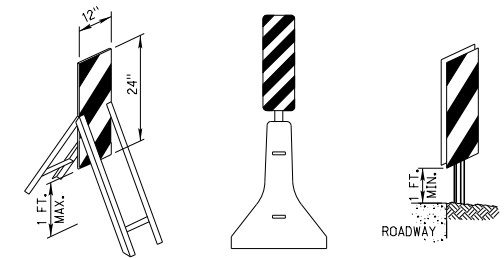
**APPLICATION**

TUBULAR POST AND CURB SYSTEMS MAY BE USED TO DIVIDE OPPOSING LANES OF TRAFFIC OR TO DIVIDE TRAFFIC LANES WHEN TWO OR MORE LANES ARE KEPT OPEN IN THE SAME DIRECTION.

FASTENING THE CURBS TO THE PAVEMENT WITH ANCHOR BOLTS OR OTHER SUITABLE METHODS AS DIRECTED BY THE MANUFACTURER IS REQUIRED TO MINIMIZE THE CHANCE OF BEING MOVED BY TRAFFIC.

TUBULAR POST AND CURB SYSTEMS SHALL BE INSTALLED IN THE LOCATIONS SHOWN IN THE PLANS OR DIRECTED BY THE ENGINEER.

**VERTICAL PANELS**



**DESIGN**

RETROREFLECTIVE MATERIAL ON VERTICAL PANELS SHALL BE 12 INCHES WIDE AND AT LEAST 24 INCHES HIGH. THEY SHALL HAVE ALTERNATING ORANGE AND WHITE STRIPES, WHERE THE HEIGHT OF THE RETROREFLECTIVE MATERIAL ON THE VERTICAL PANEL IS MORE THAN 36 INCHES, A PANEL STRIPE WIDTH OF 6 INCHES SHALL BE USED. WHERE THE HEIGHT OF THE RETROREFLECTIVE MATERIAL ON THE VERTICAL PANEL IS 36 INCHES OR LESS, A PANEL STRIPE WIDTH OF 4 INCHES SHALL BE USED. IF USED FOR TWO-WAY TRAFFIC, BACK-TO-BACK PANELS SHALL BE USED.

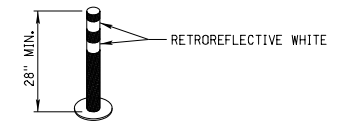
MARKINGS FOR VERTICAL PANELS SHALL BE ALTERNATING ORANGE AND WHITE RETROREFLECTORIZED STRIPES SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.

POST MOUNTED VERTICAL PANELS SHALL BE MOUNTED WITH THE BOTTOM A MINIMUM OF 1 FOOT ABOVE THE ROADWAY. VERTICAL PANELS ON A TEMPORARY STAND SHALL BE MOUNTED WITH THE BOTTOM A MAXIMUM OF 1 FOOT ABOVE THE ROADWAY.

**APPLICATION**

WHERE SPACE IS LIMITED VERTICAL PANELS MAY BE USED TO CHANNEL TRAFFIC, DIVIDE OPPOSING LANES OF TRAFFIC, DIVIDE TRAFFIC LANES OR REPLACE BARRICADES. WHEN APPROVED BY THE ENGINEER, VERTICAL PANELS MAY BE POST-MOUNTED ALONG THE SIDE OF THE ROADWAY.

**TUBULAR POSTS**



**DESIGN**

TUBULAR POSTS SHALL BE PREDOMINANTLY ORANGE, NOT LESS THAN 28 INCHES HIGH, BE A MINIMUM OF 2 INCHES WIDE WHEN FACING TRAFFIC, AND MADE OF A MATERIAL THAT CAN BE STRUCK WITHOUT DAMAGING IMPACTING VEHICLES.

TUBULAR POSTS SHALL BE RETROREFLECTIVE. RETROREFLECTION OF TUBULAR POSTS SHALL BE PROVIDED BY TWO 3 INCHES WIDE WHITE BANDS PLACED A MAXIMUM OF 2 INCHES FROM THE TOP, WITH A MAXIMUM OF 6 INCHES BETWEEN THE BANDS. THE BASE SHALL NOT BE WIDER THAN 12 INCHES OR HIGHER THAN 2 INCHES.

**APPLICATION**

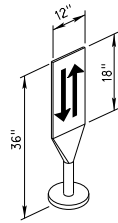
TUBULAR POSTS HAVE LESS VISIBLE AREA THAN OTHER DEVICES AND SHOULD BE USED ONLY WHERE SPACE RESTRICTIONS DO NOT ALLOW FOR THE USE OF OTHER MORE VISIBLE DEVICES. THEY MAY BE USED EFFECTIVELY TO DIVIDE OPPOSING LANES OF TRAFFIC OR TO DIVIDE TRAFFIC LANES WHEN TWO OR MORE LANES ARE KEPT OPEN IN THE SAME DIRECTION.

STEPS SHOULD BE TAKEN TO ASSURE THAT TUBULAR POSTS WILL NOT BE BLOWN OVER OR DISPLACED BY TRAFFIC BY EITHER AFFIXING THEM TO THE PAVEMENT WITH ANCHOR BOLTS OR ADHESIVE, IF A NONCYLINDRICAL DEVICE IS USED, IT SHALL BE ATTACHED TO THE PAVEMENT TO ENSURE THAT THE WIDTH FACING TRAFFIC MEETS THE MINIMUM REQUIREMENTS.

TUBULAR POSTS SHOULD NOT BE USED FOR PEDESTRIAN CHANNELIZATION OR A PEDESTRIAN BARRIERS IN TEMPORARY TRAFFIC CONTROL ZONES ON OR ALONG SIDEWALKS.

R7	JAN 18	NDOR BORDER TO NDOT BORDER
R6	JUN 14	2009 MUTCD UPDATE
R5	OCT 98	REVISE CHANNELIZATION DEVICES, TAPER
REV. NO.	DATE	DESCRIPTION OF REVISION
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 920-R7 <b>TRAFFIC CONTROL, CONSTRUCTION AND MAINTENANCE</b>		
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		
DATE		
ORIGINAL: OCTOBER 1998		
DATE		

**OPPOSING TRAFFIC LANE DIVIDERS**



**DESIGN**

OPPOSING TRAFFIC LANE DIVIDERS SHALL BE A TWO SIDED UPRIGHT RETROREFLECTORIZED ORANGE PANEL, WITH A WIDTH OF 12 INCHES AND A HEIGHT OF 18 INCHES. THE TOP OF THE PANEL SHALL BE 36 INCHES ABOVE THE PAVEMENT. THE SYMBOL ON EACH SIDE SHALL BE TWO OPPOSING BLACK ARROWS. THE LANE DIVIDER SHALL BE MADE OF LIGHTWEIGHT MATERIAL THAT WILL YIELD UPON IMPACT BY A VEHICLE. THE LANE DIVIDER BASE SHALL NOT BE WIDER THAN 12 INCHES OR HIGHER THAN 4 INCHES. THE BASE SHALL BE ATTACHED TO THE EXISTING SURFACE BY EPOXY OR OTHER SUITABLE ADHESIVE, TO ENSURE THAT THE PANEL REMAINS FACING TRAFFIC.

**APPLICATION**

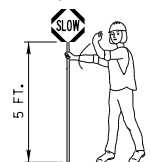
OPPOSING TRAFFIC LANE DIVIDERS ARE DELINEATION DEVICES USED AS CENTER LANE DIVIDERS TO SEPARATE OPPOSING TRAFFIC ON A TWO-LANE, TWO-WAY OPERATION.

**FLAGGERS**

**REQUIRED METHOD**



TO STOP TRAFFIC



TRAFFIC PROCEED



TO ALERT AND SLOW TRAFFIC

**EMERGENCY USE ONLY**



**FLAGGER PADDLE**

THE STOP/SLOW PADDLE SHALL HAVE AN OCTAGONAL SHAPE ON A RIGID HANDLE. STOP/SLOW PADDLES SHALL BE AT LEAST 18 INCHES WIDE WITH LETTERS AT LEAST 6 INCHES HIGH. IF THE STOP/SLOW PADDLE IS PLACED ON A RIGID STAFF, THE MINIMUM LENGTH OF THE STAFF, MEASURED FROM THE BOTTOM OF THE SIGN TO THE END OF THIS STAFF THAT RESTS ON THE GROUND, SHOULD BE 5 FEET. THE STOP/SLOW PADDLE SHOULD BE THE PRIMARY AND PREFERRED HAND-SIGNALING DEVICE BECAUSE THE STOP/SLOW PADDLE GIVES ROAD USERS MORE POSITIVE GUIDANCE THAN RED FLAGS. USE OF FLAGS SHOULD BE LIMITED TO EMERGENCY SITUATIONS.

**FLAGGERS**

A FLAGGER MUST BE DRESSED FOR SAFETY. IN ADDITION TO THE REQUIREMENTS OF THE "WORKER VISIBILITY" SECTION LISTED BELOW, FLAGGERS SHALL WEAR:

1. AN ORANGE OR YELLOW/GREEN CAP OR HARD HAT.
2. A SHIRT WITH SLEEVES, PANTS AND SHOES (TANK TOPS, SHORTS OR SANDALS SHALL NOT BE WORN).

FLAGGERS SHALL BE INSTRUCTED IN THE PROPER LOCATION, DUTIES AND PROCEDURES FOR FLAGGING AS OUTLINED IN THE CURRENT MUTCD AND THE DEPARTMENT OF ROADS FLAGGER'S HANDBOOK. AS REQUIRED BY THE DEPARTMENT OF ROADS, THE FLAGGER SHALL BE CERTIFIED, AND HAVE IN THEIR POSSESSION, A VALID FLAGGER CERTIFICATION CARD.

**WORKER VISIBILITY**

ALL WORKERS WITHIN THE RIGHT-OF-WAY WHO ARE EXPOSED EITHER TO TRAFFIC (VEHICLES USING THE HIGHWAY FOR PURPOSES OF TRAVEL) OR TO CONSTRUCTION EQUIPMENT WITHIN THE WORK AREA SHALL WEAR HIGH-VISIBILITY SAFETY APPAREL. HIGH-VISIBILITY SAFETY APPAREL IS DEFINED TO MEAN PERSONAL PROTECTIVE SAFETY CLOTHING THAT:

1. IS INTENDED TO PROVIDE CONSPICUITY DURING BOTH DAYTIME AND NIGHTTIME USAGE, AND
2. MEETS THE PERFORMANCE CLASS 2 OR CLASS 3 REQUIREMENTS OF THE ANSI/ISEA 107-2004 PUBLICATION ENTITLED "AMERICAN NATIONAL STANDARDS FOR HIGH-VISIBILITY SAFETY APPAREL AND HEADWEAR"

**LIGHTING DEVICES**

**FUNCTION**

CONSTRUCTION AND MAINTENANCE ACTIVITIES OFTEN CREATE CONDITIONS ON OR NEAR THE TRAVELED WAY THAT ARE PARTICULARLY HAZARDOUS AT NIGHT. IT IS OFTEN DESIRABLE AND NECESSARY TO SUPPLEMENT THE REFLECTORIZED SIGNS, BARRIERS, AND CHANNELIZING DEVICES WITH LIGHTING DEVICES. STROBE TYPE LIGHTS ARE NOT PERMITTED.

**BARRICADE WARNING LIGHTS DESIGN (BATTERY OPERATED)**

TYPE "A" LOW INTENSITY FLASHING WARNING LIGHTS ARE MOST COMMONLY MOUNTED ON BARRICADES, OR WITH SIGNS AND ARE INTENDED TO WARN THE DRIVER THAT THEY ARE PROCEEDING IN A HAZARDOUS AREA. THESE LIGHTS SHALL NOT BE USED FOR DELINEATION, AS A SERIES OF FLASHING LIGHTS IN A ROW WOULD TEND TO OBSCURE THE DESIRED PATH.

TYPE "A" HIGH INTENSITY FLASHING WARNING LIGHTS ARE NORMALLY MOUNTED ON THE TYPE III BARRICADE THAT ACCOMPANIES THE ADVANCE WARNING SIGNS.

TYPE "C" STEADY BURN LIGHTS AS USED HEREIN, SHALL MEAN A SERIES OF LOW WATTAGE YELLOW ELECTRIC LIGHTS. WHERE LIGHTS ARE NEEDED TO DELINEATE OR MARK THE TRAVELED WAY THROUGH AND AROUND OBSTRUCTIONS IN A CONSTRUCTION MAINTENANCE AREA, THE DELINEATION SHALL BE ACCOMPLISHED BY USE OF STEADY BURNING LIGHTS. WHEN USED TO SUPPLEMENT CHANNELIZATION, THE MAXIMUM SPACING FOR WARNING LIGHTS SHOULD BE IDENTICAL TO THE CHANNELIZING DEVICE SPACING REQUIREMENTS. WHEN USED TO DELINEATE A CURVE, TYPE "C" WARNING LIGHTS SHOULD ONLY BE USED ON DEVICES ON THE OUTSIDE OF THE CURVE, AND NOT ON THE INSIDE OF THE CURVE.

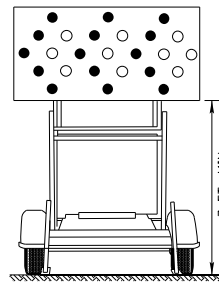
**FLASHING ARROW PANEL (DISPLAY)**

AN ARROW PANEL IS A SIGN WITH A MATRIX OF ELEMENTS, CAPABLE OF EITHER FLASHING OR SEQUENTIAL DISPLAYS. THIS SIGN SHALL PROVIDE ADDITIONAL WARNING AND DIRECTIONAL INFORMATION TO ASSIST IN MERGING AND CONTROLLING ROAD USERS THROUGH OR AROUND A TEMPORARY TRAFFIC CONTROL ZONE. AN ARROW PANEL SHOULD BE USED IN COMBINATION WITH APPROPRIATE SIGNS, CHANNELIZING DEVICES OR OTHER TRAFFIC CONTROL DEVICES.

**DESIGN**

ARROW PANELS SHALL MEET THE SIZE AND SPECIFICATIONS OF THE MUTCD FOR TYPE "C" ARROW DISPLAYS.

FLASHING ARROW PANEL SHALL BE RECTANGULAR, OF SOLID APPEARANCE AND FINISHED IN NON-REFLECTIVE BLACK. THE PANEL SHALL BE MOUNTED ON A VEHICLE, TRAILER OR OTHER SUITABLE SUPPORT. MINIMUM MOUNTING HEIGHT MEASURED VERTICALLY FROM THE BOTTOM OF THE PANEL TO THE ROADWAY BELOW IT OR TO THE ELEVATION OF THE NEAR EDGE OF THE ROADWAY, SHALL BE 7 FEET EXCEPT ON VEHICLE-MOUNTED PANELS, WHICH SHOULD BE AS HIGH AS PRACTICAL.



THE FOLLOWING SELECTIONS SHALL BE PROVIDED ON THE ARROW PANEL	
OPERATING MODE	PANEL DISPLAY
FLASHING ARROW	RIGHT SHOWN; LEFT OPPOSITE
SEQUENTIAL ARROW	RIGHT SHOWN; LEFT OPPOSITE
SEQUENTIAL CHEVRON	RIGHT SHOWN; LEFT OPPOSITE
FLASHING DOUBLE ARROW	
FLASHING OR ALTERNATING CAUTION	OR  OR 

THE ARROW PANEL SHALL HAVE A MINIMUM SIZE OF 96 INCHES WIDE AND 48 INCHES HIGH. THE MINIMUM LEGIBILITY DISTANCE SHALL BE 1 MILE. THE PANEL SHALL CONTAIN 25 LAMP ELEMENTS. ARROW PANEL ELEMENTS SHALL BE CAPABLE OF A MINIMUM 50 PERCENT DIMMING, AUTOMATICALLY WHEN AMBIENT LIGHT FALLS BELOW 50 LUX.

THE MINIMUM ELEMENT "ON TIME" SHALL BE 50 PERCENT FOR THE FLASHING MODE AND EQUAL INTERVALS OF 25 PERCENT FOR EACH SEQUENTIAL CHEVRON PHASE. THE FLASHING RATE SHALL BE NO FEWER THAN 25 NOR MORE THAN 40 FLASHES PER MINUTE.

**APPLICATION**

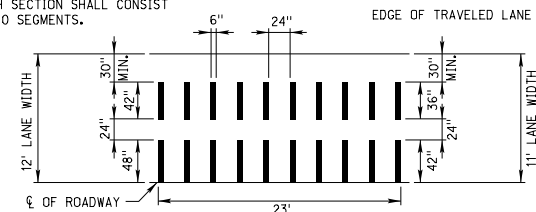
A FLASHING ARROW OR SEQUENTIAL CHEVRON MODE SHALL ONLY BE USED FOR STATIONARY OR MOVING LANE CLOSURES.

FOR SHOULDER WORK BLOCKING THE SHOULDER, FOR ROADSIDE WORK NEAR THE SHOULDER, OR FOR TEMPORARILY CLOSING ONE LANE ON A TWO-LANE, TWO-WAY ROADWAY, AN ARROW PANEL SHALL BE USED ONLY IN THE CAUTION MODE.

AN ARROW DISPLAY MODE SHALL NOT BE USED ON A TWO-LANE TWO-WAY ROADWAY FOR TEMPORARY ONE-LANE OPERATION OR LANE SHIFTS. AN ARROW DISPLAY SHALL NOT BE USED TO LATERALLY SHIFT TRAFFIC.

**TEMPORARY RUMBLE STRIPS**

EACH SECTION SHALL CONSIST OF 10 SEGMENTS.



**DESIGN**

TEMPORARY RUMBLE STRIPS MAY BE MADE OF ASPHALT PAVING MATERIAL, EPOXY AND AGGREGATE OR OTHER SUITABLE MATERIAL WHICH WILL MAINTAIN A DESIRABLE RUMBLE EFFECT. THE TEMPORARY RUMBLE STRIP SHOULD HAVE AN INSTALLED HEIGHT OF 5/8". PREFORMED RUMBLE STRIPS MAY BE USED PROVIDED THEY HAVE A MINIMUM 1/2" HEIGHT.

**TRAFFIC SIGNALS**

TRAFFIC SIGNALS MAY BE ALLOWED AT CERTAIN EQUIPMENT CROSSINGS WHERE THE VOLUME OF FILL MATERIAL AND THE NUMBER OF EQUIPMENT CROSSINGS PER HOUR IS HIGH. TRAFFIC SIGNALS MAY BE ALLOWED AT CERTAIN BRIDGE CONSTRUCTION SITES WHERE A COMBINATION OF ONE-WAY TRAFFIC AND HIGH TRAFFIC VOLUMES WOULD BE BEST SERVED WITH THIS TYPE OF TRAFFIC CONTROL.

ALL TRAFFIC SIGNAL REQUESTS AND METHOD OF INSTALLATION ON THE STATE HIGHWAY SYSTEM SHALL BE IN COMPLIANCE WITH THE MUTCD AND MUST BE APPROVED BY THE STATE TRAFFIC ENGINEER.

IF, AFTER THE SIGNAL ASSEMBLIES ARE ERECTED AND THE ROAD IS OPEN TO PUBLIC TRAVEL, THE SIGNAL SYSTEM IS NOT PUT IMMEDIATELY INTO OPERATION, THE SIGNAL FACES SHALL BE COVERED WITH BURLAP OR OTHER OPAQUE MATERIAL SUBJECT TO THE APPROVAL OF THE ENGINEER. INOPERATIVE SIGNALS ON ROADS OPEN TO THE PUBLIC SHALL ALWAYS BE COVERED. TILTING THE SIGNALS UPWARD IS NOT AN ACCEPTABLE ALTERNATIVE TO COVERING THE HEADS.

**FLOODLIGHTS**

WHEN NIGHTTIME WORK IS REQUIRED, FLOODLIGHTS SHALL BE USED TO ILLUMINATE FLAGGER STATIONS. FLOODLIGHTS SHOULD BE USED TO ILLUMINATE EQUIPMENT CROSSINGS, AND OTHER AREAS WHERE EXISTING LIGHT IS NOT ADEQUATE FOR THE WORK TO BE PERFORMED SAFELY.

IN NO CASE SHALL FLOODLIGHTING BE PERMITTED TO CREATE A DISABLING GLARE FOR DRIVERS. THE ADEQUACY OF THE FLOODLIGHT PLACEMENT AND ELIMINATION OF POTENTIAL GLARE SHOULD BE CHECKED BY DRIVING THROUGH THE PROJECT.

**PAVEMENT MARKING**

IT IS INTENDED TO THE EXTENT POSSIBLE, THAT MOTORISTS BE PROVIDED MARKINGS WITHIN A WORK AREA COMPARABLE TO THE MARKINGS NORMALLY MAINTAINED ALONG ADJACENT ROADWAYS, PARTICULARLY AT EITHER END OF THE WORK AREA.

ALL MARKINGS AND DEVICES USED TO DELINEATE VEHICLE AND PEDESTRIAN PATHS SHALL BE CAREFULLY REVIEWED DURING DAYTIME AND NIGHTTIME PERIODS TO AVOID INADVERTENTLY LEADING DRIVERS OR PEDESTRIANS FROM THE INTENDED PATH.

PAVEMENT MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED UNLESS OTHERWISE APPROVED BY THE ENGINEER.

**TAPERS**

TAPERS ARE CREATED USING A SERIES OF CHANNELIZING DEVICES OR PAVEMENT MARKINGS TO MOVE TRAFFIC OUT OF OR INTO ITS NORMAL PATH.

**MERGING TAPER**

A MERGING TAPER REQUIRES THE LONGEST DISTANCE BECAUSE DRIVERS ARE REQUIRED TO MERGE INTO COMMON ROAD SPACE. THE TAPER SHOULD BE LONG ENOUGH TO ENABLE MERGING DRIVERS TO HAVE ADEQUATE ADVANCE WARNING AND SUFFICIENT LENGTH TO ADJUST THEIR SPEEDS AND MERGE INTO A SINGLE LANE BEFORE THE DOWNSTREAM END OF THE TRANSITION.

**SHIFTING TAPER**

A SHIFTING TAPER IS USED WHEN MERGING IS NOT REQUIRED, BUT A LATERAL SHIFT IS NEEDED. APPROXIMATELY ONE-HALF "L" HAS BEEN FOUND TO BE ADEQUATE, WHERE MORE SPACE IS AVAILABLE, IT MAY BE BENEFICIAL TO USE LONGER TAPERS. GUIDANCE FOR CHANGES IN ALIGNMENT MAY ALSO BE ACCOMPLISHED BY USING HORIZONTAL CURVES DESIGNED FOR NORMAL HIGHWAY SPEEDS.

**SHOULDER TAPERS**

A SHOULDER TAPER MAY BE BENEFICIAL ON HIGH-SPEED ROADWAYS WHERE SHOULDERS ARE PART OF THE ACTIVITY AREA AND ARE CLOSED, OR WHEN IMPROVED SHOULDERS MIGHT BE MISTAKEN AS A DRIVING LANE IN THESE INSTANCES, THE SAME TYPE, BUT ABBREVIATED, CLOSURE PROCEDURES USED ON A NORMAL PORTION OF THE ROADWAY CAN BE USED. IF USED, SHOULDER TAPERS APPROACHING THE ACTIVITY AREA SHOULD HAVE A LENGTH OF ABOUT ONE-THIRD "L".

**DOWNSTREAM TAPERS**

THE DOWNSTREAM TAPER MAY BE USEFUL IN TERMINATION AREAS TO PROVIDE A VISUAL CUE TO THE DRIVER THAT ACCESS IS AVAILABLE TO THE ORIGINAL LANE OR PATH THAT WAS CLOSED. WHEN USED, IT SHOULD HAVE A MINIMUM LENGTH OF ABOUT 100 FEET PER LANE, WITH DEVICES SPACED ABOUT 20 FEET APART.

**ONE LANE, TWO WAY TAPER**

THE ONE-LANE, TWO-WAY TAPER IS USED IN ADVANCE OF AN ACTIVITY AREA THAT OCCUPIES PART OF A TWO-WAY ROADWAY IN SUCH A WAY THAT A PORTION OF THE ROAD IS USED ALTERNATELY BY TRAFFIC IN EACH DIRECTION. A SHORT TAPER HAVING A MINIMUM LENGTH OF 50 FEET AND A MAXIMUM LENGTH OF 100 FEET WITH CHANNELIZING DEVICES AT APPROXIMATELY 20 FOOT SPACINGS SHOULD BE USED TO GUIDE TRAFFIC INTO THE ONE-LANE-SECTION AND A DOWNSTREAM TAPER WITH A LENGTH OF APPROXIMATELY 100 FEET SHOULD BE USED TO GUIDE TRAFFIC BACK INTO THEIR ORIGINAL LANE.

TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES	
TYPE OF TAPER	TAPER LENGTH (FEET)
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/3 L MINIMUM
TWO-WAY TAPER	100 FEET MAXIMUM

FORMULAS FOR L	
SPEED	FORMULA
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = WS$

L = TAPER LENGTH IN FEET  
W = WIDTH OF OFFSET IN FEET  
S = POSTED SPEED LIMIT PRIOR TO WORK IN MPH

SPEED (MPH)	TAPER LENGTH L (FEET)		
	10 FT.	11 FT.	12 FT.
25	105	115	125
30	150	165	180
35	205	225	245
40	270	295	320
45	450	495	540
50	500	550	600
55	550	605	660
60	600	660	720
65	650	715	780
75	750	825	900

REV. NO.	DATE	DESCRIPTION OF REVISION
R7	JAN 18	NDOR BORDER TO NDOT BORDER
R6	JUN 14	2009 MUTCD UPDATE
R5	OCT 98	REVISE CHANNELIZATION DEVICES, TAPER

NEBRASKA DEPARTMENT OF TRANSPORTATION  
**STANDARD PLAN NO. 920-R7**  
**TRAFFIC CONTROL,**  
**CONSTRUCTION AND MAINTENANCE**

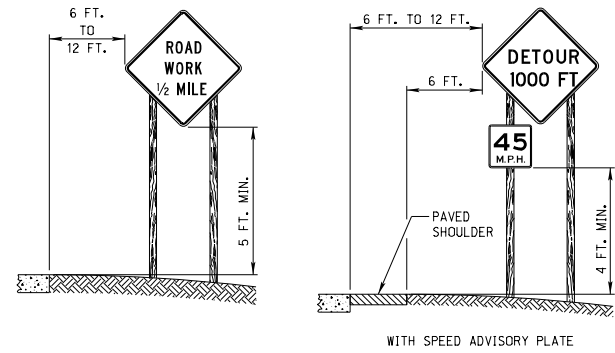
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

DATE \_\_\_\_\_ ORIGINAL: OCTOBER 1998 DATE \_\_\_\_\_

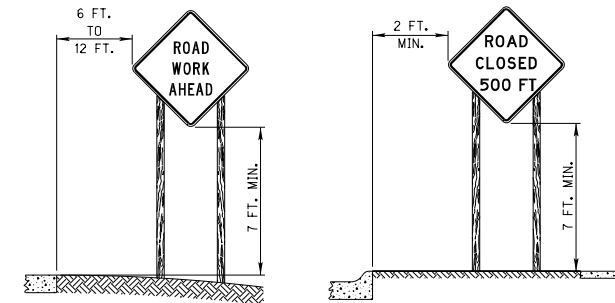
2  
3

### ROADSIDE SIGNS

#### HEIGHT AND LATERAL LOCATION OF SIGNS RURAL AREA



#### URBAN AREA

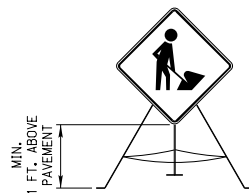


#### TYPICAL FIRST SIGN AT CONSTRUCTION SITE

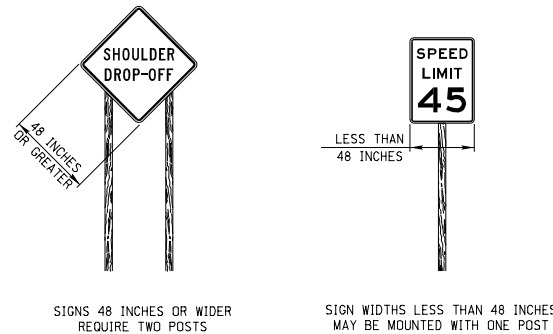


WITH TYPE "A" FLASHING WARNING LIGHT MOUNTED ABOVE TYPE III BARRICADE

#### PORTABLE AND TEMPORARY MOUNTING



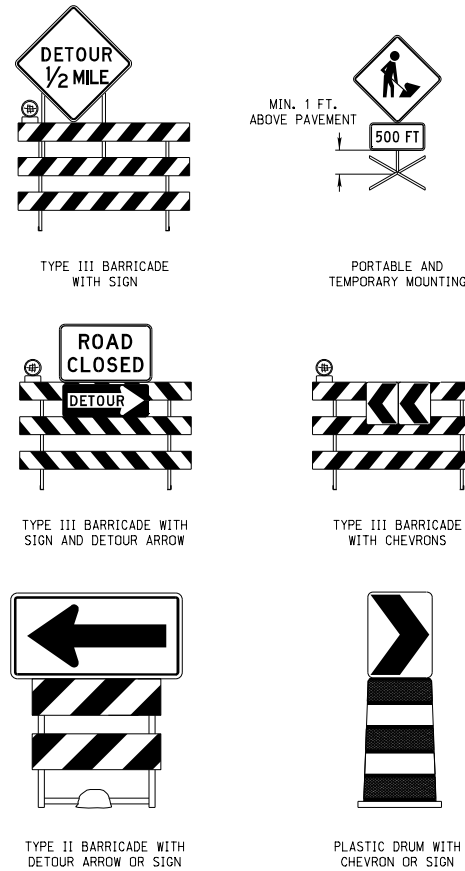
#### TYPICAL SIGN MOUNTINGS POST MOUNTED



SIGNS 48 INCHES OR WIDER REQUIRE TWO POSTS

SIGN WIDTHS LESS THAN 48 INCHES MAY BE MOUNTED WITH ONE POST

#### TYPICAL SIGN MOUNTINGS OTHER THAN POST MOUNTED



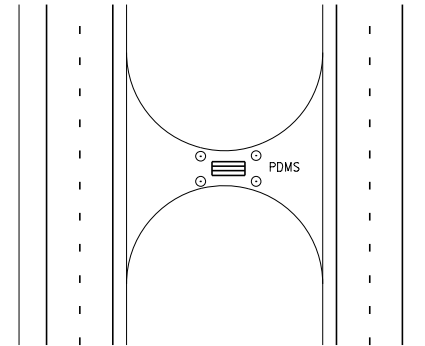
#### TEMPORARY SIGN SUPPORTS

ALL "TEMPORARY SIGN" SUPPORTS (BASES) SHALL BE NCHRP 350 OR MASH (TL-3) APPROVED.

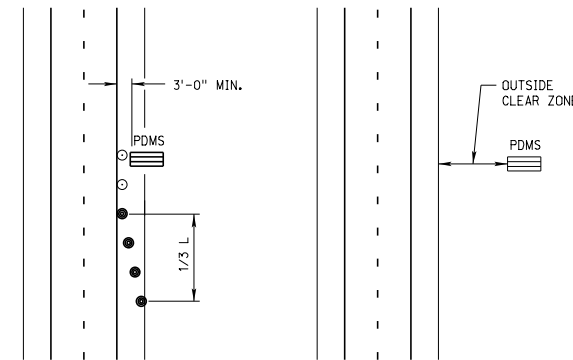
"TEMPORARY SIGNS" ARE ALL TEMPORARILY MOUNTED WORK ZONE SIGNS THAT ARE NOT MOUNTED IN THE GROUND AT THE TYPICAL 5 FOOT MOUNTING HEIGHT. TEMPORARY SIGNS ARE CONSIDERED NCHRP 350 OR MASH CATEGORY 2 DEVICES AND ARE MOUNTED ON TEMPORARY SIGN STANDS. TEMPORARY SIGNS SHALL BE MOUNTED A MINIMUM OF 1 FOOT ABOVE THE GROUND, UNLESS OTHERWISE REQUIRED TO BE MOUNTED AT A HIGHER HEIGHT.

TEMPORARY SIGNS AND THEIR SUPPORTS SHALL NOT BE IN PLACE LONGER THAN 3 DAYS. ANY SIGN THAT IS TO BE IN PLACE LONGER THAN 3 DAYS SHALL BE POST MOUNTED OR MOUNTED TO A DRUM, BARRICADE, OR BARRIER, AS REQUIRED BY THE PLANS OR SPECIFICATIONS.

#### PORTABLE DYNAMIC MESSAGE SIGN DELINEATION



#### IN MEDIAN



#### ON SHOULDER

#### OFF SHOULDER

#### PORTABLE DYNAMIC MESSAGE SIGNS (PDMS)

THE PLACEMENT OF PDMS SHOULD BE IN THE FOLLOWING ORDER:

WHENEVER POSSIBLE, PDMS SHOULD BE PLACED OFF OF ANY USABLE PORTION OF THE ROADWAY ON THE RIGHT SIDE OF THE ROADWAY. WHEN PLACED OUTSIDE THE CLEAR ZONE OR BEHIND GUARDRAIL OR CONCRETE PROTECTION BARRIERS, DELINEATION IS NOT REQUIRED.

WHERE FIELD CONDITIONS DO NOT ALLOW FOR THIS PLACEMENT, THE SIGNS MAY BE LOCATED ON THE OUTSIDE SHOULDER OF THE ROADWAY OR WITHIN THE MEDIAN.

- A MINIMUM CLEARANCE OF 3 FEET MEASURED HORIZONTALLY FROM THE EDGE OF THE SIGN TO THE EDGE OF THE TRAVELED WAY IS RECOMMENDED.
- THE PDMS SHOULD HAVE A MINIMUM MOUNTED HEIGHT OF 7 FEET ON FREEWAYS, EXPRESSWAYS AND IN URBAN AREAS.
- ALL OTHER RURAL APPLICATIONS SHOULD HAVE A MINIMUM HEIGHT OF 5 FEET.

THESE HEIGHTS ARE MEASURED VERTICALLY FROM THE BOTTOM OF THE SIGN TO THE ELEVATION OF THE NEAR EDGE OF THE PAVEMENT.

REFLECTORIZED PLASTIC DRUMS SHOULD BE USED TO DELINEATE EACH SIGN USING A 1/3 L TAPER. THESE DRUMS SHOULD BE POSITIONED ON THE UPSTREAM END OF THE SIGN TO FORM A TAPER LEADING UP TO THE TRAFFIC SIDE OF THE SIGN. FOR A SIGN LOCATED IN THE MEDIAN, THE SIGN SHOULD BE DELINEATED WITH A 42 INCH CONE ON ALL FOUR CORNERS.

WHEN DEPLOYED, THE SIGN SHALL BE SIGHTED AND ALIGNED WITH APPROACHING TRAFFIC TO ENSURE VISIBILITY OF THE MESSAGE. IF MULTIPLE SIGNS ARE USED, THE SIGNS SHOULD BE LOCATED ON THE SAME SIDE OF THE ROAD AND SEPARATED ACCORDING TO PROPER SIGN SPACING.

WHEN PRACTICAL, PDMS SHOULD NOT BE USED TO REPLACE STATIC SIGNS FOR LONG TERM USAGE (OVER 10 DAYS).

WHEN PDMS ARE TO BE DEPLOYED FOR LONG PERIODS, SUCH AS INCIDENT MANAGEMENT ROLES, CONCRETE PADS WITH APPROPRIATE TIE DOWNS SHOULD BE CONSTRUCTED FOR THEIR PLACEMENT.

PDMS NOT ACTIVELY BEING USED IN A CONSTRUCTION OR INCIDENT MANAGEMENT ROLE SHOULD BE REMOVED.

REFER TO NDOT "DMS GUIDELINES" FOR PROPER PDMS MESSAGE INFORMATION.

#### NOTES

- ALL TRAFFIC CONTROL DEVICES SHALL MEET THE APPLICABLE STANDARDS AND SPECIFICATIONS PRESCRIBED IN PART 6 OF THE LATEST ADOPTED EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD)" AND THE STATE OF NEBRASKA SUPPLEMENT TO THE MUTCD. ALL TRAFFIC CONTROL DEVICES SHALL BE CRASHWORTHY AND QUALIFY AS SUCH ACCORDING TO THE TESTING AND ACCEPTANCE GUIDELINES OF THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 OR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
- TRAFFIC CONTROL PLANS AND DEVICES SHOULD FOLLOW THE PRINCIPLES SET FORTH, BUT MAY DEVIATE FROM THE TYPICAL DRAWINGS TO ALLOW FOR CONDITIONS AND REQUIREMENTS OF THE PROJECT.
- TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SO AS NOT TO OBSTRUCT THE VIEW OF OTHER TRAFFIC CONTROL DEVICES.
- THE ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE THE USE, AND APPROVE THE LOCATION OF ANY OF THE DEVICES SHOWN IN THESE PLANS.

#### WORK ZONE SPEED LIMIT NOTES

- WORK ZONE SPEED LIMITS SHALL NOT BE INSTALLED WITHOUT A SPEED ZONE AUTHORIZATION COMPLETED BY THE DEPARTMENT.
- REDUCED SPEED LIMITS SHOULD BE USED ONLY IN THE SPECIFIC PORTION OF THE WORK ZONE WHERE CONDITIONS OR RESTRICTIVE FEATURES ARE PRESENT. HOWEVER, FREQUENT CHANGES IN THE SPEED LIMIT SHOULD BE AVOIDED. THE REDUCTION OF SPEED SHOULD BE DESIGNED SO VEHICLES CAN SAFELY TRAVEL THROUGH THE WORK ZONE WITH A SPEED LIMIT REDUCTION OF NO MORE THAN 10 MPH UNLESS OTHERWISE NOTED IN THE PLANS.
- WORK ZONE SPEED LIMITS SHOWN ARE TYPICAL APPLICATIONS ONLY AND ARE NOT TO BE ASSUMED AS THE SPEED LIMITS REQUIRED FOR THE WORK.
- EXISTING SPEED LIMIT SIGNS SHALL BE REMOVED OR COVERED WHEN A REDUCED WORK ZONE SPEED LIMIT IS IN EFFECT IN THE SAME AREA.
- WORK ZONE SPEED LIMIT SIGNS SHALL BE INSTALLED EVERY MILE THROUGH THE WORK AREA WHEN SPEED ZONE IS REDUCED.
- A SPEED LIMIT SIGN ENDING THE REDUCED SPEED ZONE SHALL BE INSTALLED AT THE END OF EACH ZONE.
- DOUBLE FINES AND REDUCED SPEED ZONE SIGNING ARE NOT REQUIRED FOR SHORT-DURATION WORK LESS THAN 12 HOURS.

#### TAPER FORMULA

$L = S \times W$  FOR SPEEDS OF 45 MPH OR MORE. TYPE III BARRICADE

$L = \frac{WS^2}{60}$  FOR SPEEDS OF 40 MPH OR LESS.

#### WHERE:

L - MINIMUM LENGTH OF TAPER.

S - NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK.

W - WIDTH OF OFFSET (LANE WIDTH).

#### LEGEND

☐ TYPE III BARRICADE

● REFLECTORIZED PLASTIC DRUM

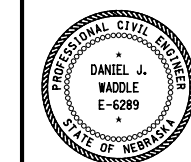
○ REFLECTORIZED PLASTIC DRUM OR 42" CONE

▬ PORTABLE DYNAMIC MESSAGE SIGN

R7	JAN 18	NDOR BORDER TO NDOT BORDER
R6	JUN 14	2009 MUTCD UPDATE
R5	OCT 98	REVISE CHANNELIZATION DEVICES, TAPER
REV. NO.	DATE	DESCRIPTION OF REVISION

NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 920-R7  
**TRAFFIC CONTROL,  
CONSTRUCTION AND MAINTENANCE**

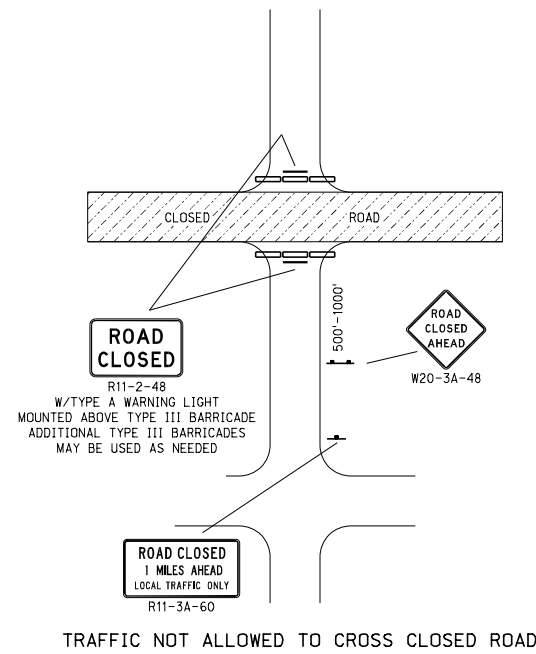
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:



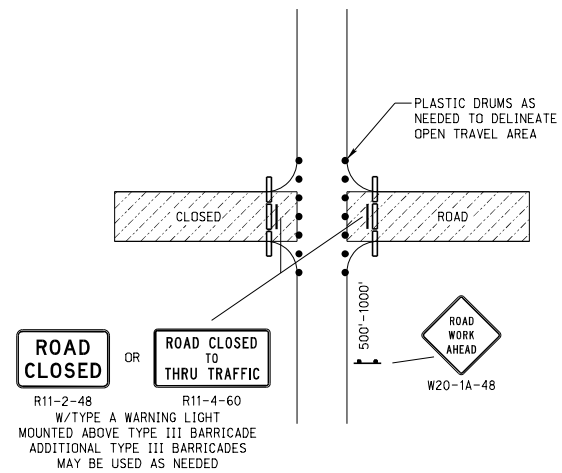
DATE  
ORIGINAL:  
OCTOBER 1998  
DATE

3  
3

**CROSS ROAD INTERSECTING CLOSED ROAD**

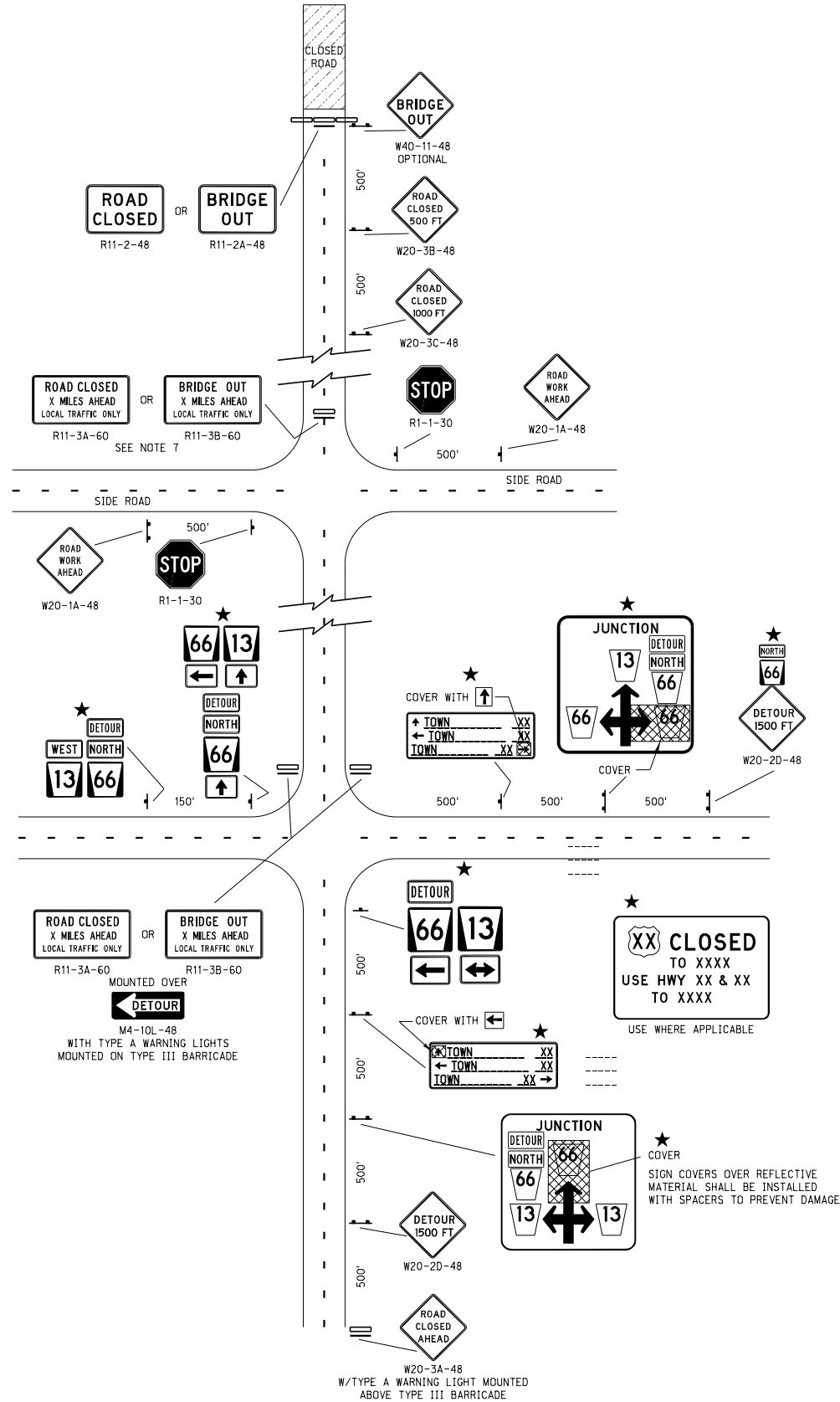


TRAFFIC NOT ALLOWED TO CROSS CLOSED ROAD



TRAFFIC ALLOWED TO CROSS CLOSED ROAD

**ROAD CLOSED BEYOND JUNCTION**



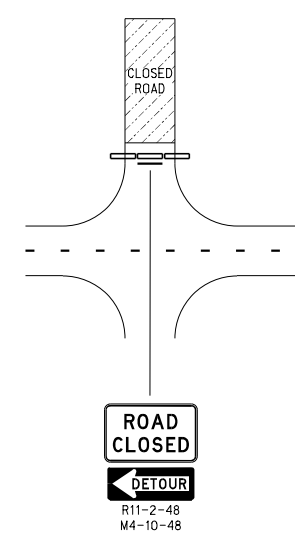
**NOTES**

1. SIGNS SHOWN ARE USUALLY FOR ONE DIRECTION OF TRAVEL ONLY.
2. THE CONTRACTOR SHALL INSTALL, MAINTAIN, AND REMOVE ALL SIGNS IN ACCORDANCE WITH THE DETAILS OF AND AT THE LOCATIONS SHOWN IN THE PLANS. SIGNS INSTALLED BY THE DEPARTMENT OR OTHER GOVERNMENT AGENCY SHALL BE MAINTAINED AND REMOVED BY THEIR FORCES.
3. WHEN MESSAGE IS NOT PERTINENT, SIGNS SHALL BE TAKEN DOWN, COVERED OR FOLDED. TAPE IS NOT PERMITTED ON THE FACE OF THE SIGN.
4. VEHICLES OR EQUIPMENT SHALL NOT BE PARKED SO AS TO OBSCURE OR DISTRACT FROM TRAFFIC CONTROL DEVICES.
5. FLAGS MAY BE USED TO CALL ATTENTION TO WARNING SIGNS.
6. WHEN APPROPRIATE THE SIGN R11-2B "BRIDGE OUT" MAY BE USED INSTEAD OF R11-2 "ROAD CLOSED".
7. BARRICADE AND SIGN MAY BE PLACED ALONG EDGE OF ROAD IF NEEDED FOR LOCAL TRAFFIC.
8. REFER TO STANDARD PLAN 920 FOR GENERAL INFORMATION NOT SHOWN.

**LEGEND**

- TYPE III BARRICADE
- REFLECTORIZED PLASTIC DRUM
- SINGLE POSTED SIGN
- DOUBLE POSTED SIGN
- ★ INSTALLED BY OTHERS

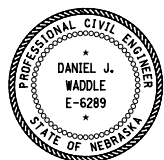

**ROAD CLOSED AT JUNCTION**

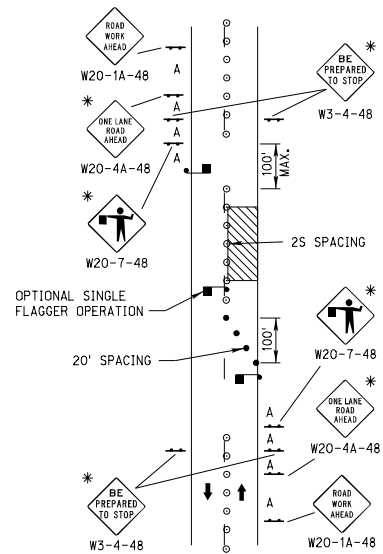


**TAPER FORMULA**

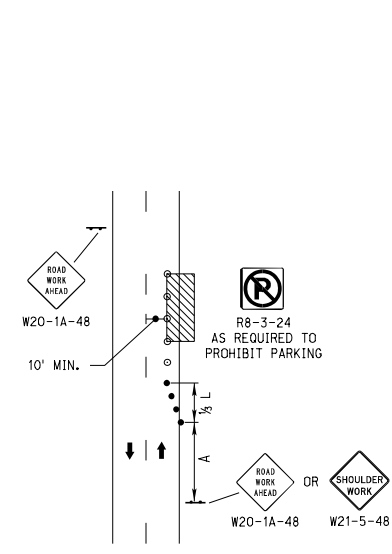
$L = S \times W$  FOR SPEEDS OF 45 MPH OR MORE.  
 $L = \frac{WS^2}{60}$  FOR SPEEDS OF 40 MPH OR LESS.

WHERE:  
 L - MINIMUM LENGTH OF TAPER.  
 S - NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK.  
 W - WIDTH OF OFFSET (LANE WIDTH).

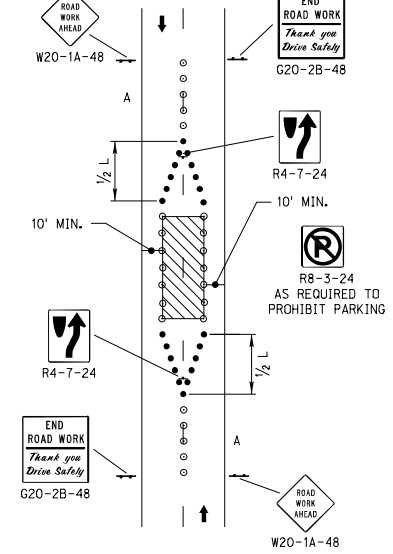
R2	JAN 18	NDOT BORDER TO NDOT BORDER
R1	JUN 14	2009 MUTCD UPDATES
REV. NO.	DATE	DESCRIPTION OF REVISION
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 923-R2 <b>TRAFFIC CONTROL ROAD CLOSURE</b>		
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		
DATE		
ORIGINAL: AUGUST 1998		
DATE		



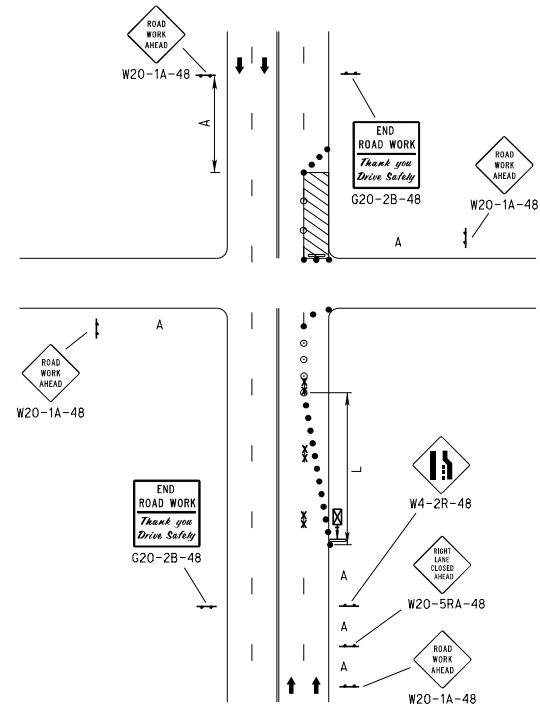
**ONE LANE CLOSED WITH FLAGGER**  
 \* SIGNS AND CONES ARE SUBSIDIARY TO THE FLAGGING OPERATION.



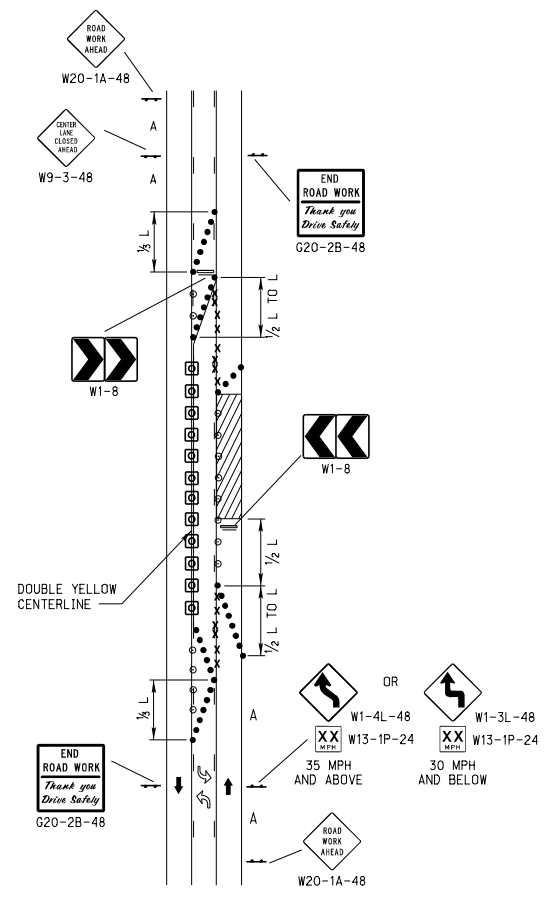
**SHOULDER OR PARKING LANE CLOSED**



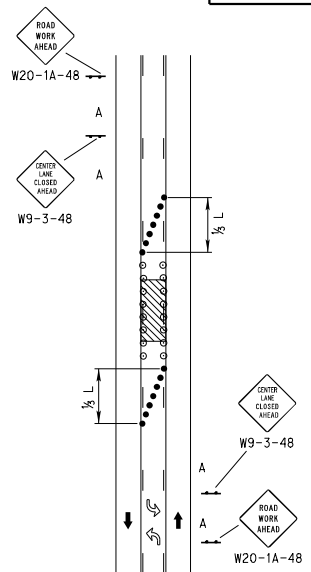
**WORK IN CENTER OF ROAD WITH LOW TRAFFIC VOLUMES**



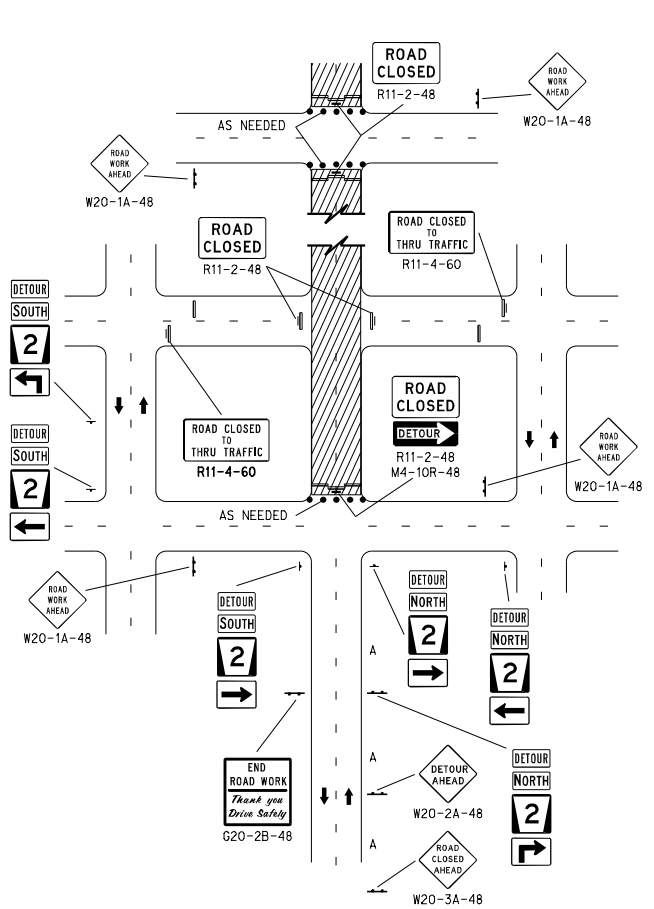
**LANE CLOSED NEAR INTERSECTION (RIGHT LANE CLOSED)**



**3-LANE ROADWAY ONE LANE CLOSED**

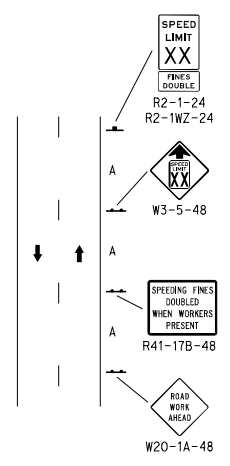


**TWO-WAY LEFT TURN LANE CLOSED**

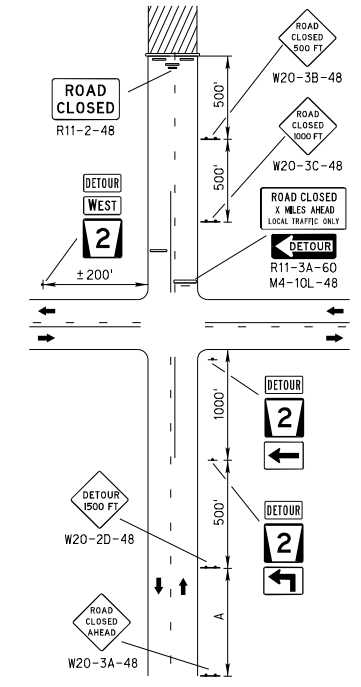


**ROAD CLOSED AT DETOUR**

ROAD TYPE	MINIMUM DISTANCE BETWEEN SIGNS
URBAN (LOW SPEED - 25 MPH TO 40 MPH)	100'
URBAN (HIGH SPEED - 45 MPH OR HIGHER)	350'



**TYPICAL ADVANCED SIGNING**



**ROAD CLOSED BEYOND DETOUR**

- LEGEND**
- ⚡ FLASHING ARROW PANEL
  - TYPE III BARRICADE
  - REFLECTORIZED PLASTIC DRUM
  - ⊠ TUBULAR POST
  - REFLECTORIZED PLASTIC DRUM OR 42" CONE
  - ↑ SINGLE POSTED SIGN
  - ↑↑ DOUBLE POSTED SIGN
  - ⚡ FLAGGER
  - xxxx PAVEMENT MARKING REMOVAL

**TAPER FORMULA**

$L = S \times W$  FOR SPEEDS OF 45 MPH OR MORE.

$L = \frac{WS^2}{60}$  FOR SPEEDS OF 40 MPH OR LESS.

WHERE:  
 L = MINIMUM LENGTH OF TAPER.  
 S = NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK.  
 W = WIDTH OF OFFSET (LANE WIDTH).

**NOTES**

1. ALL BARRICADE AND SIGN LOCATIONS ON THIS PLAN ARE APPROXIMATE, AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS. THE SIGNS SHALL BE INSTALLED SO AS NOT TO OBSCURE THE VIEW OF OTHER TRAFFIC CONTROL DEVICES.
2. MINIMUM WIDTH OF TRAVELLED LANE SHALL BE AS REQUIRED BY THE ENGINEER.
3. FLASHING ARROW PANEL REQUIRED ON ALL ROADWAYS WITH POSTED SPEED LIMIT 45 MPH OR HIGHER. THE USE OF A FLASHING ARROW PANEL IS OPTIONAL ON ROADWAYS WITH A POSTED SPEED OF 40 MPH OR LOWER.
4. LONG-TERM FLASHING ARROW PANELS IN URBAN RESIDENTIAL AREAS WHERE DIESEL ENGINE NOISE WILL BE DISRUPTIVE TO RESIDENTS, MAY BE REQUIRED TO OPERATE BY 120 VAC, OR IF SIGHT DISTANCE ALLOWS, A SOLAR POWERED ARROW PANEL MAY BE USED.
5. FOR SHORT-TERM WORK (LESS THAN 24 HOURS) SIGN G20-2B-48 (END ROAD WORK, THANK YOU, DRIVE SAFELY) MAY BE OMITTED.
6. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT (S). WHERE CHANNELIZING DEVICES ARE USED ALONG THE WORK AREA, THE SPACING MAY BE INCREASED TO THE DISTANCE IN FEET EQUAL TO THE SPEED LIMIT, DOUBLED (2 x S). SEE "TAPER FORMULA" TABLE FOR MORE INFORMATION.
7. FOR LANE CLOSURES OVER 72 HOURS, ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED. ON ASPHALT SURFACES, DURABLE PAVEMENT MARKINGS MAY BE COVERED WITH APPROVED BLACK TEMPORARY PAVEMENT MARKING TAPE.
8. DESIGNATION OF SPEED SHOWN ON ADVISORY SPEED SIGNS W13-1P SHALL BE DETERMINED BY THE ENGINEER IN ACCORDANCE WITH MUTCD. THE SPEED DESIGNATION SHALL BE AS HIGH AS PRACTICAL AND FEASIBLE.

R4	JUL 20	ADDED NOTE TO SHEET ONE
R3	JAN 19	TOOK OUT 1/2 L ON SHEET 2
R2	JAN 18	NDOR BORDER TO NDOT BORDER
REV. NO.	DATE	DESCRIPTION OF REVISION

NEBRASKA DEPARTMENT OF TRANSPORTATION  
 STANDARD PLAN NO. 924-R4

**URBAN TRAFFIC CONTROL PLAN**

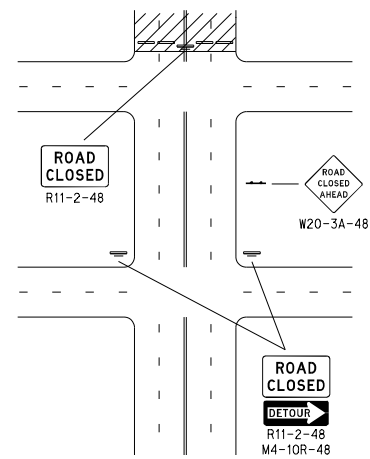
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

PROFESSIONAL CIVIL ENGINEER  
 DANIEL J. WADDE  
 E-6289

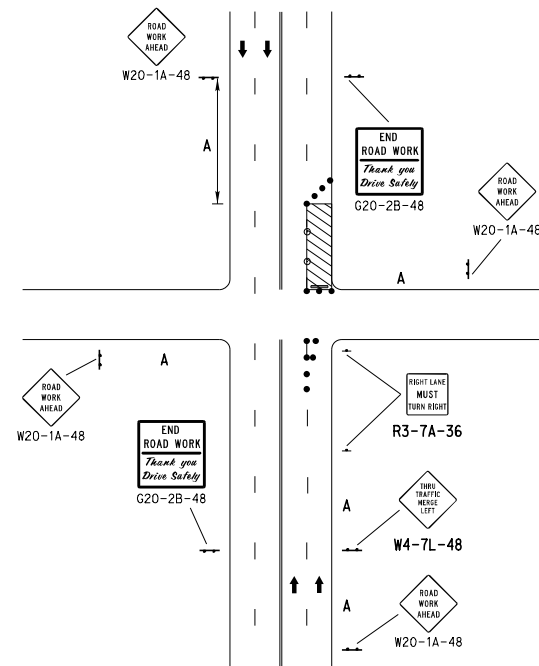
DATE: \_\_\_\_\_ ORIGINAL: FEBRUARY 1, 2010 DATE: \_\_\_\_\_

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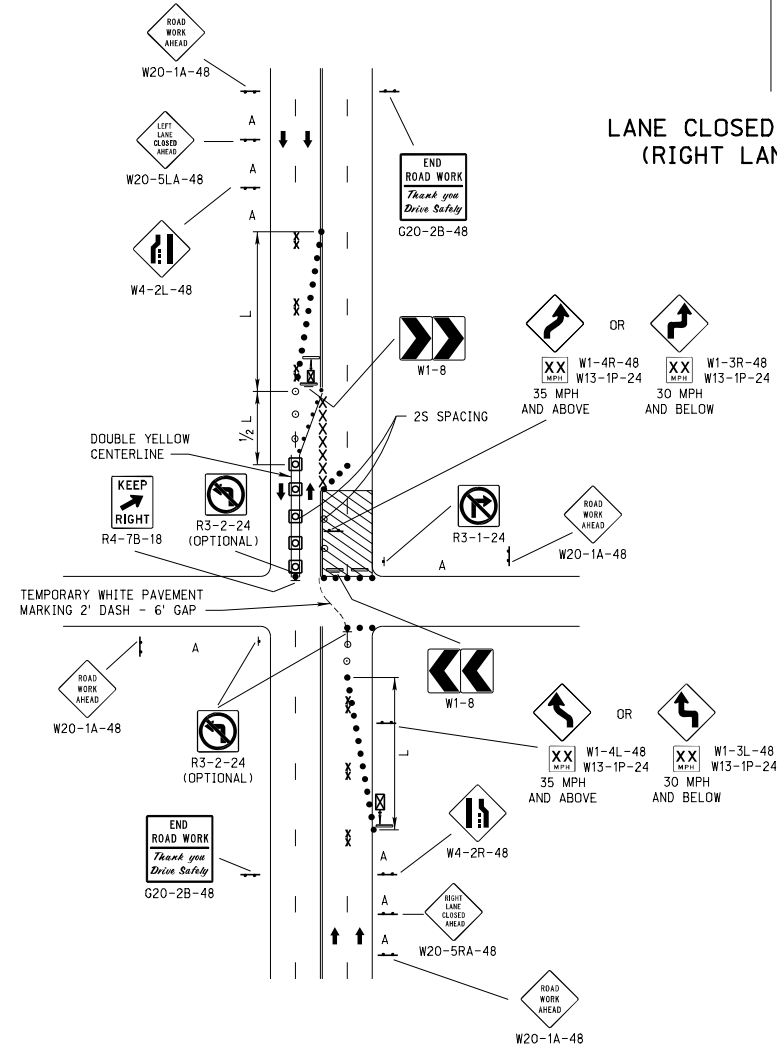




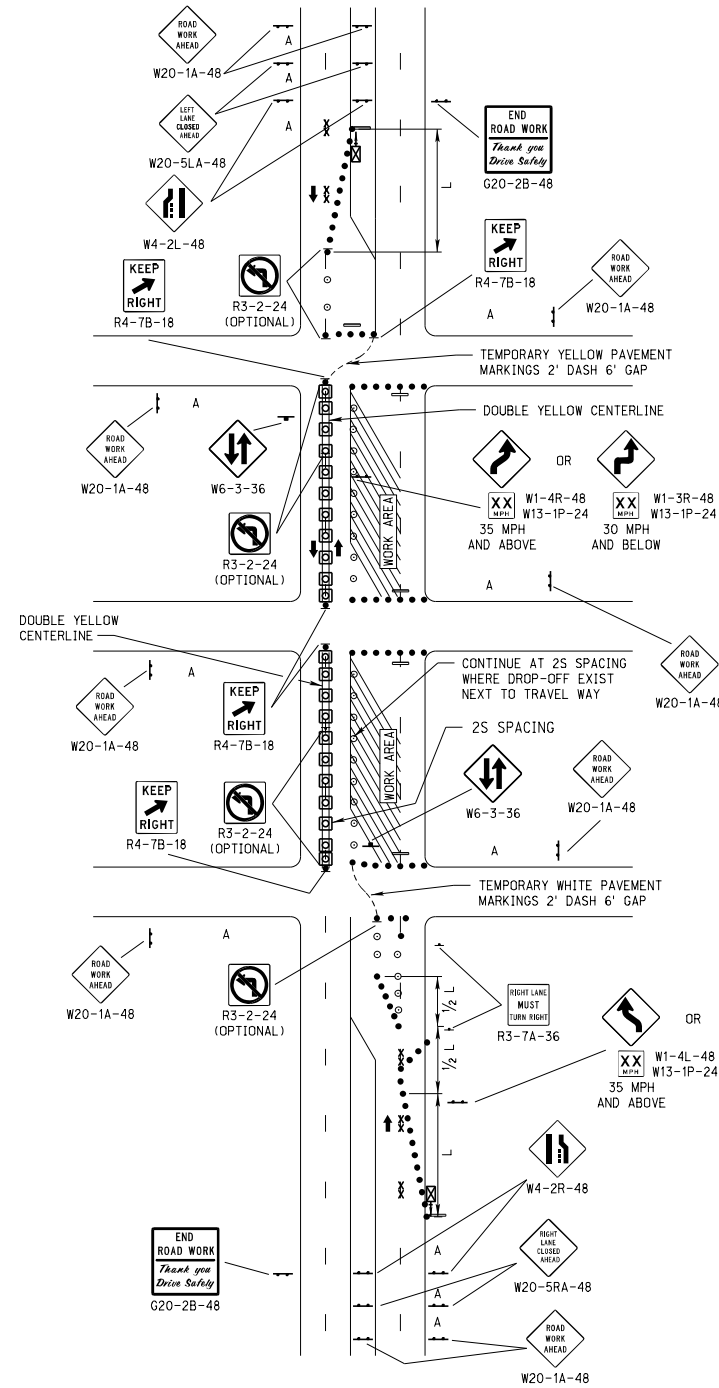
ROAD CLOSED BEYOND DETOUR



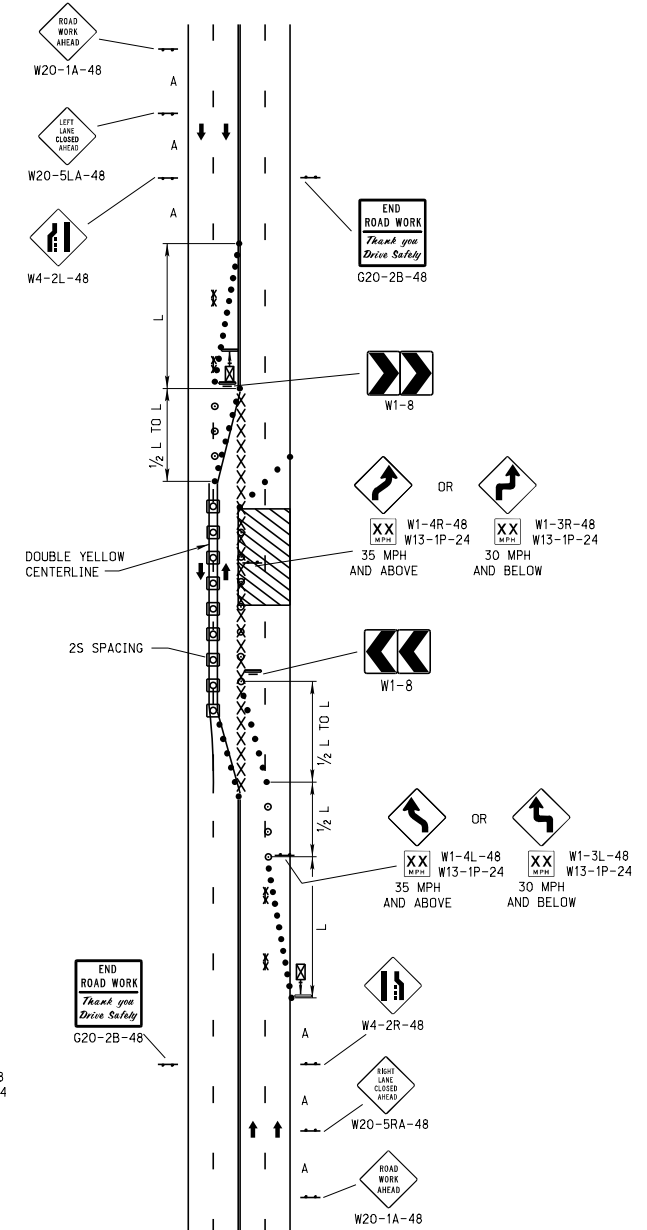
LANE CLOSED NEAR INTERSECTION (RIGHT LANE REMAINS OPEN)



4 LANE UNDIVIDED ROADWAY TWO LANES CLOSED NEAR INTERSECTION



4-LANE DIVIDED HALF CLOSED



4-LANE UNDIVIDED 2 LANES CLOSED

- LEGEND**
- ⚡ FLASHING ARROW PANEL
  - TYPE III BARRICADE
  - REFLECTORIZED PLASTIC DRUM
  - ⊗ TUBULAR POST
  - REFLECTORIZED PLASTIC DRUM OR 42" CONE
  - SINGLE POSTED SIGN
  - DOUBLE POSTED SIGN
  - FLAGGER
  - xxx PAVEMENT MARKING REMOVAL

**TAPER FORMULA**

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ROAD TYPE	MINIMUM DISTANCE BETWEEN SIGNS
URBAN (LOW SPEED - 25 MPH TO 40 MPH)	100'
URBAN (HIGH SPEED - 45 MPH OR HIGHER)	350'

REV. NO.	DATE	DESCRIPTION OF REVISION
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R3	JAN 19	TOOK OUT 1/2 L ON SHEET 2
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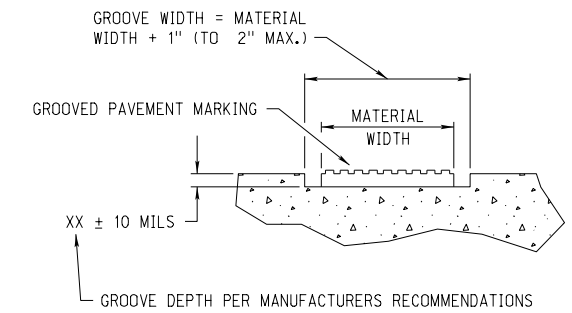
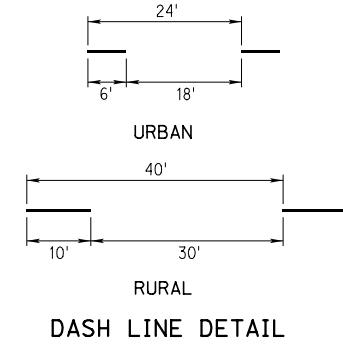
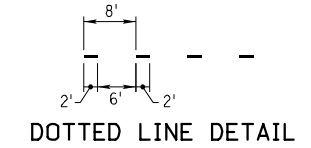
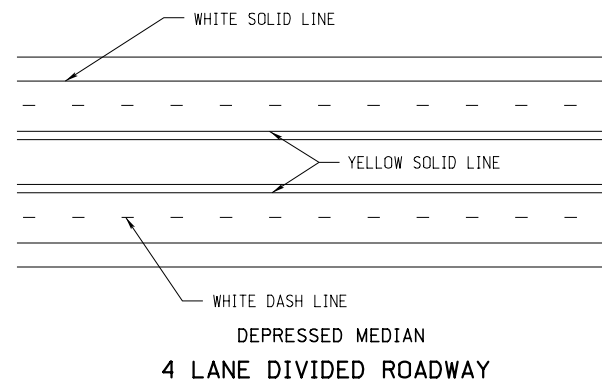
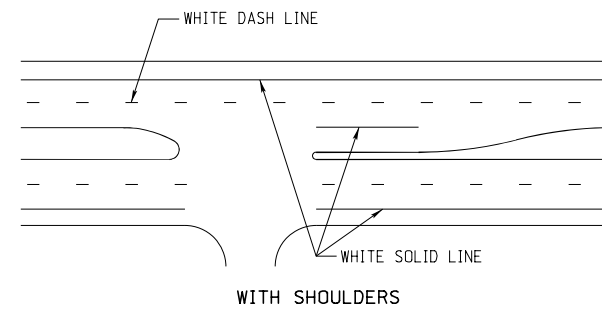
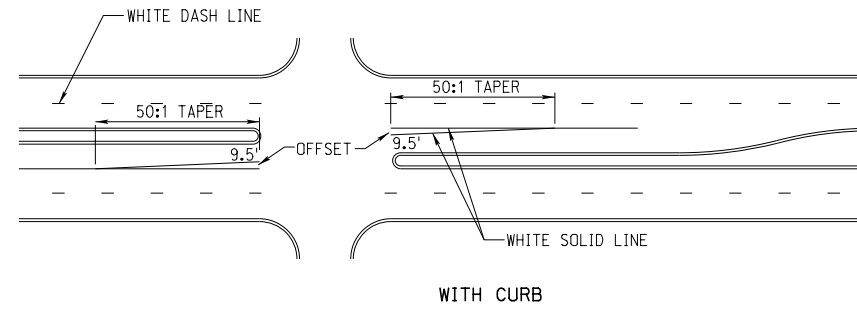
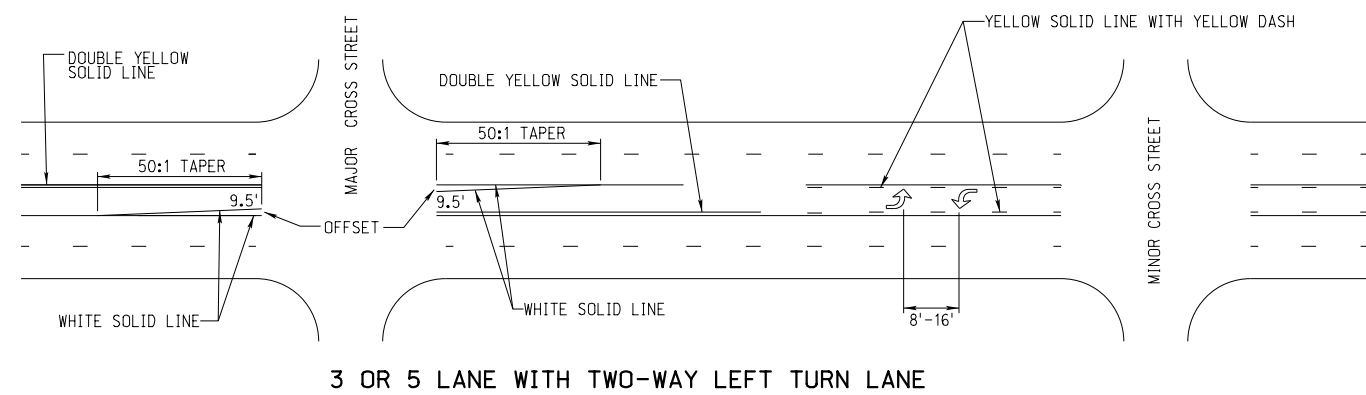
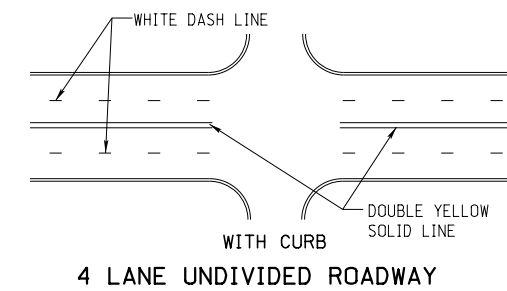
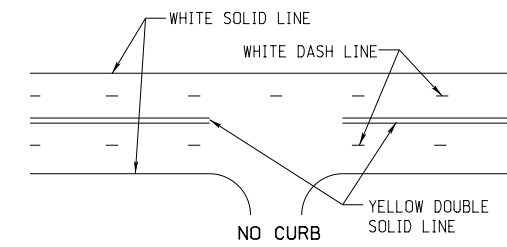
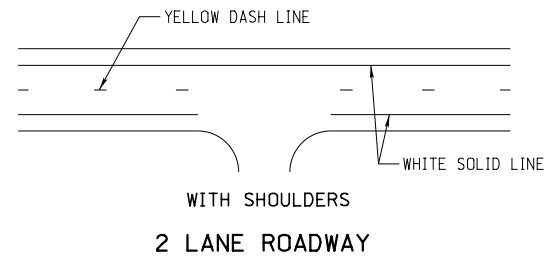
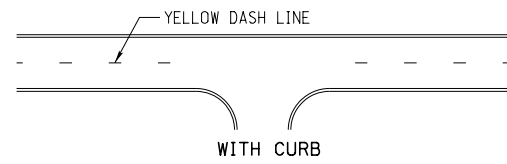
NEBRASKA DEPARTMENT OF TRANSPORTATION  
 STANDARD PLAN NO. 924-R4  
**URBAN TRAFFIC CONTROL PLAN**

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:

PROFESSIONAL CIVIL ENGINEER  
 DANIEL J. WADDLE  
 E-6289  
 STATE OF NEBRASKA

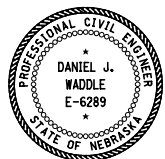
DATE: \_\_\_\_\_

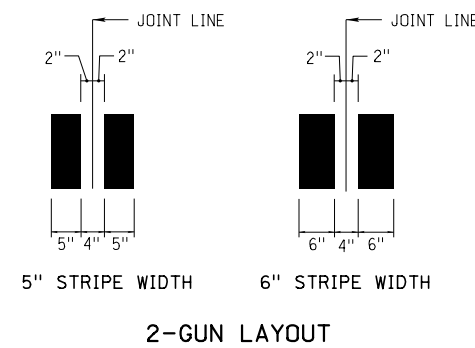
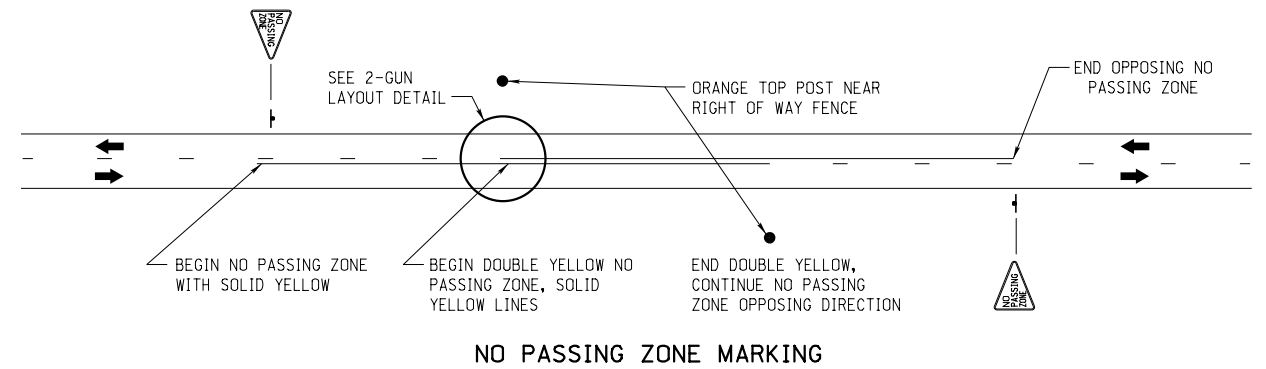
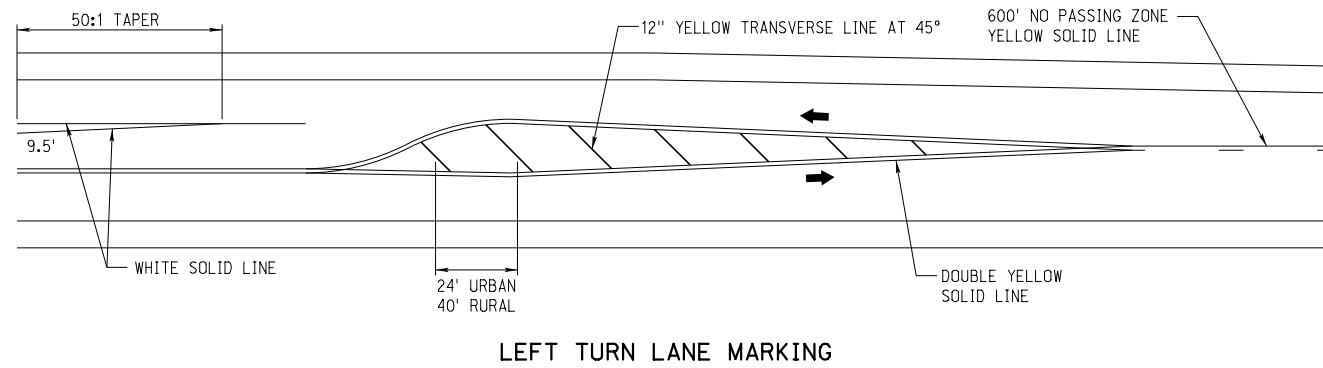
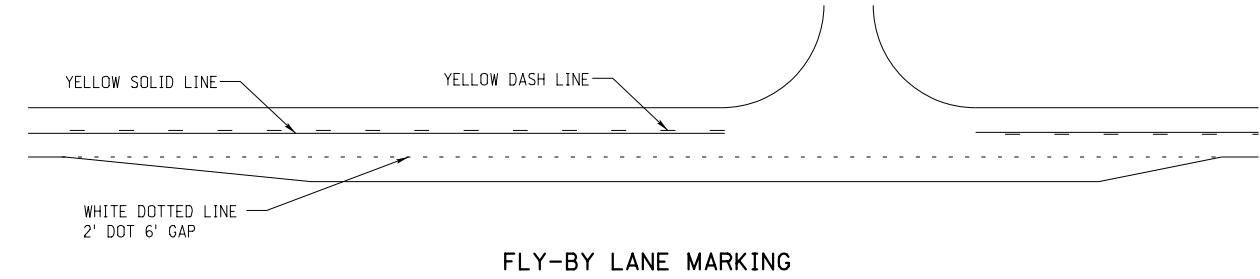
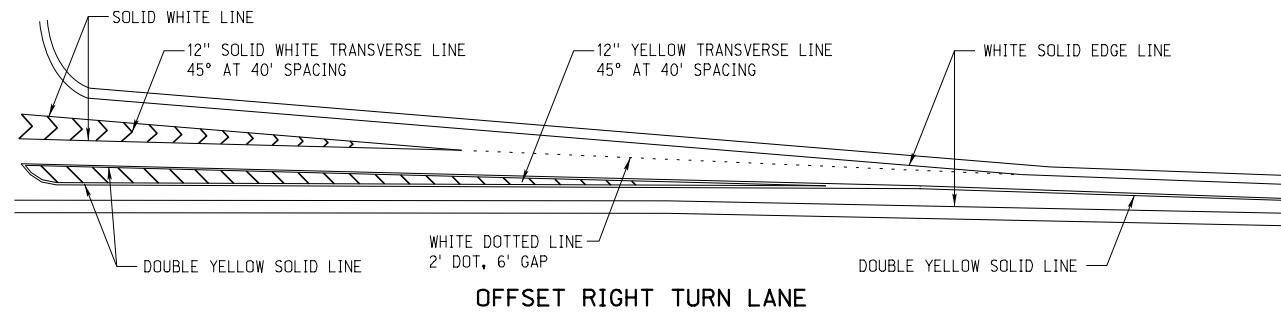
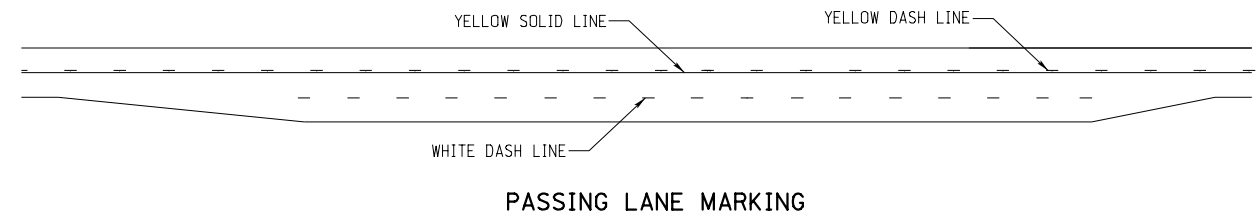
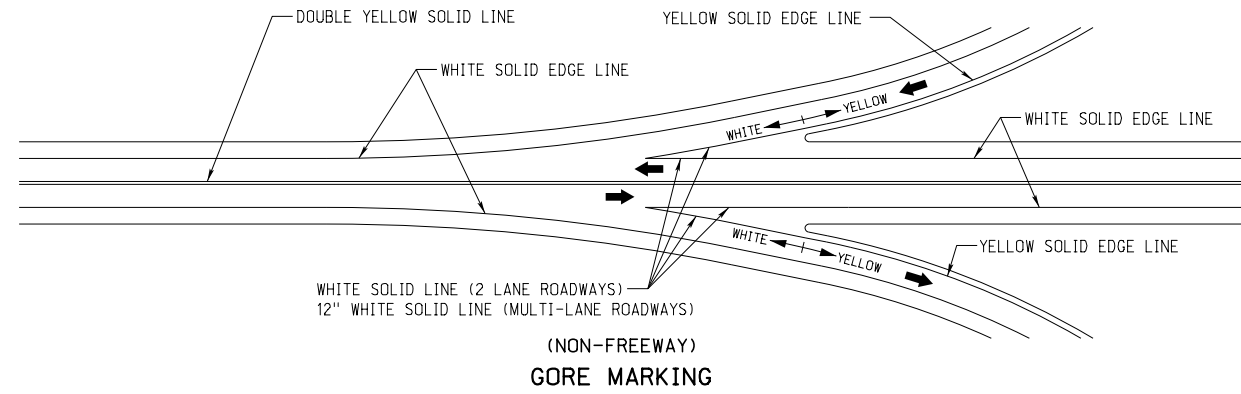
ORIGINAL: FEBRUARY 1, 2010  
 DATE: \_\_\_\_\_



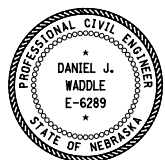
PERMANENT PAVEMENT MARKINGS INSTALLED IN GROOVES

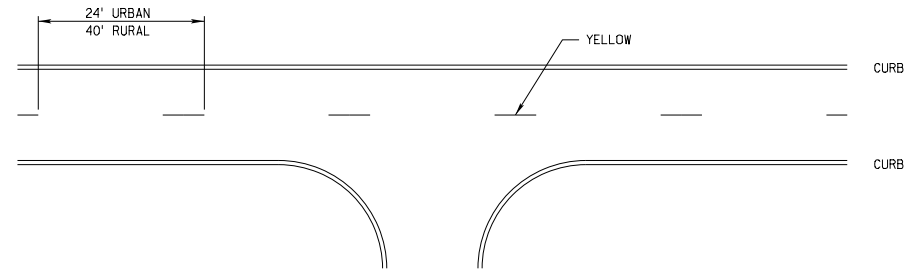
2-LANE ROADWAY REQUIRED LOCATION FOR EDGE LINES		
ROADWAY WIDTH	SHOULDER TYPE	DISTANCE FROM CENTERLINE OF ROADWAY TO OUTSIDE EDGE OF PAVEMENT EDGELINE
LESS THAN 24 FT	SURFACED	12 FT 0 IN
LESS THAN 24 FT	EARTH	PAVEMENT EDGE
24 FT	EARTH	PAVEMENT EDGE
24 FT	SURFACED	12 FT 0 IN
GREATER THAN 24 FT	EARTH	12 FT 0 IN

REV. NO.	DATE	DESCRIPTION OF REVISION
R1	SEP 21	CHANGE 3-GUN TO 2-GUN LAYOUT
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 941-R1 <b>PAVEMENT MARKING</b>		
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		 DATE _____ ORIGINAL: OCT. 2018 DATE _____
1 2		

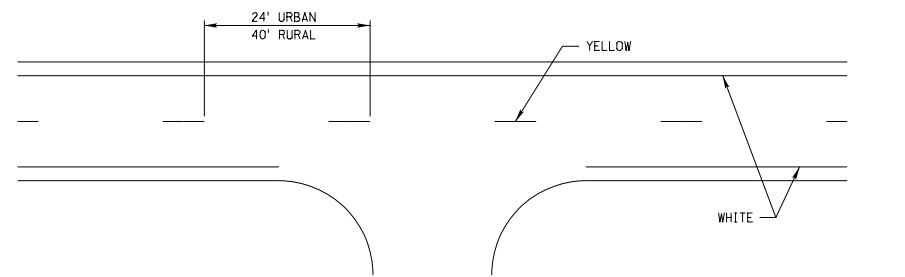


LEGEND  
→  
TRAFFIC FLOW

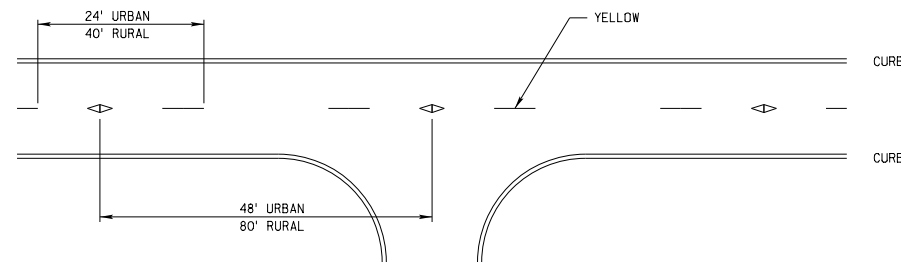
REV. NO.	DATE	DESCRIPTION OF REVISION
R1	SEP 21	CHANGE 3-GUN TO 2-GUN LAYOUT
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 941-R1 <b>PAVEMENT MARKING</b>		
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		
DATE	ORIGINAL: OCT. 2018 DATE	
		2 2



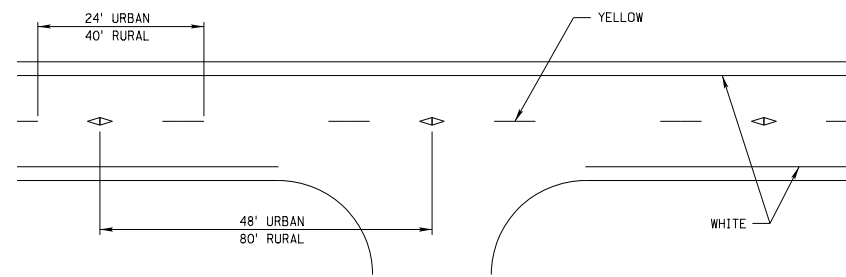
**CURBED SECTION**  
(NO EDGELINES ARE REQUIRED)



**SHOULDER SECTION  
LOWER LAYER**



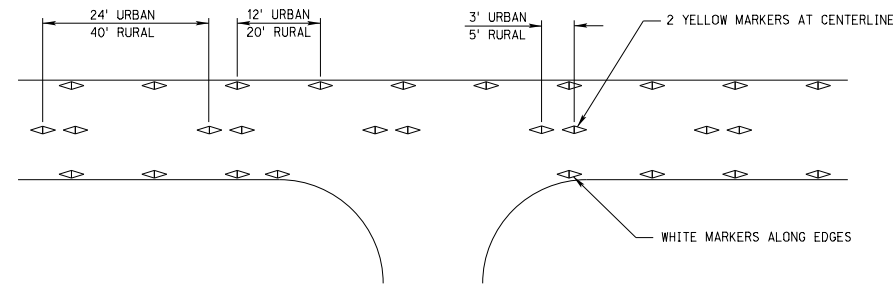
**CURBED SECTION**  
(NO EDGELINES ARE REQUIRED)



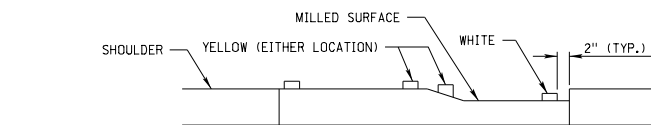
**SHOULDER SECTION  
TOP LAYER**

TABLE I BROKEN LINES				
TYPE OF MARKING	LENGTH		MATERIAL ALLOWED	
	RURAL	URBAN	LOWER LAYER	TOP LAYER
PAINT	10'	6'	X	
TYPE I TAPE	4' MIN.	2' MIN.		*X
RPM/OVERLAY MARKER	2 AT 5' SPACING	2 AT 3' SPACING	X	X

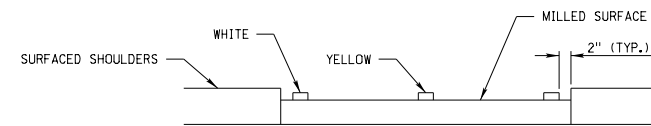
\* TYPE I TAPE SHALL BE SUPPLEMENTED WITH A RPM OR AN OVERLAY MARKER AT THE INTERVALS AS SHOWN IN THE DRAWINGS BELOW.



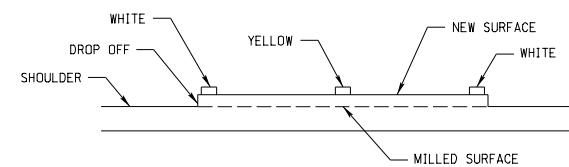
**RPM/OVERLAY MARKER**



**NOTCHED WEDGE CENTERLINE**



**MILLED SURFACE**



**NEW SURFACING**

**LATERAL LOCATION DETAILS**

- LEGEND**
- ◁ RPM/OVERLAY MARKER
  - ◄ BIDIRECTIONAL RPM/OVERLAY MARKER

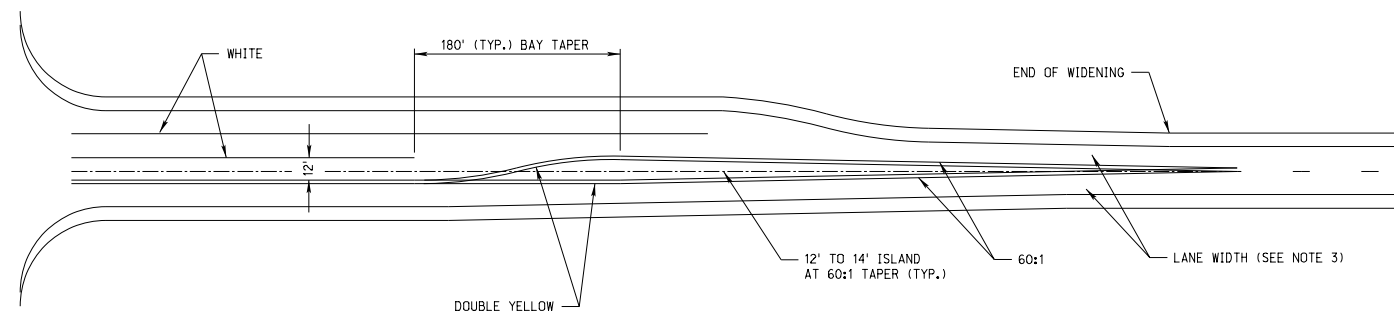
TABLE II SOLID LINES				
TYPE OF MARKING	LENGTH		MATERIAL ALLOWED	
	RURAL	URBAN	LOWER LAYER	TOP LAYER
PAINT	SOLID	SOLID	X	X
TYPE I TAPE	SOLID	SOLID		X
RPM/OVERLAY MARKER	20' SPACING	12' SPACING	X	X

TABLE III LOCATION OF EDGE LINES ON THE TOP LAYER		
ROADWAY WIDTH	SHOULDER TYPE	PLACE OUTSIDE OF EDGE LINE AT
LESS THAN 24'	SURFACED	EDGE OF LANE
LESS THAN 24'	EARTH	PAVEMENT EDGE
24'	EARTH	PAVEMENT EDGE
24'	SURFACED	12'-0"
24' TO 28'	EARTH	12'-0"

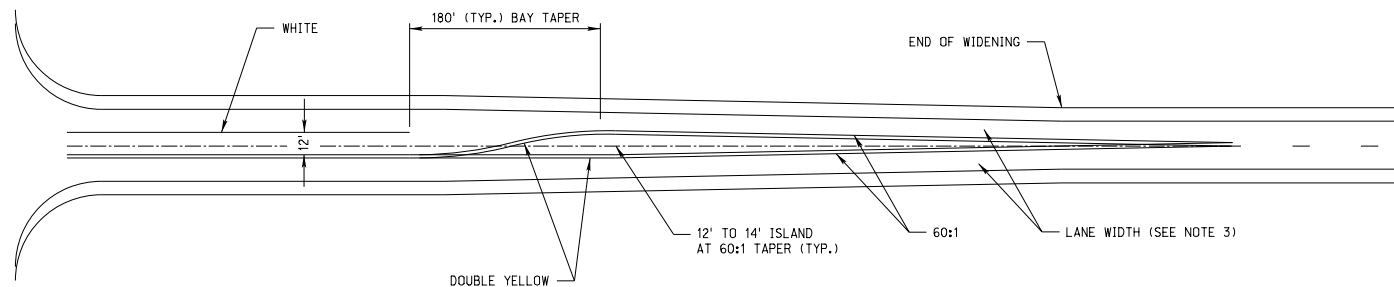
**NOTES:**

1. ALL TEMPORARY MARKINGS SHALL BE NO LESS THAN 4 INCHES WIDE.
2. ALL TEMPORARY PAVEMENT MARKINGS THAT WILL BE COVERED BY PERMANENT PAVEMENT MARKINGS SHALL COMPLY WITH THE ALIGNMENT AND LOCATION REQUIREMENTS OF THE FINAL PAVEMENT MARKING MATERIAL. TEMPORARY PAVEMENT MARKINGS THAT ARE NOT COVERED BY THE PERMANENT MARKINGS SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE.
3. RAISED PAVEMENT MARKERS (RPM'S) & OVERLAY MARKERS SHALL BE REMOVED PRIOR TO INSTALLATION OF THE NEXT LAYER AND UPON COMPLETION OF PERMANENT STRIPING.
4. TYPE I TAPE SHALL BE REMOVED UPON COMPLETION OF PERMANENT STRIPING.
5. RPM/OVERLAY MARKERS ARE NOT REQUIRED ON MILLED SURFACES, HYDRATED LIME SURFACES AND STABILIZED SURFACES.
6. PROJECTS WHICH DO NOT CREATE AN EDGELINE DROP OFF WILL NOT REQUIRE TEMPORARY EDGELINE MARKING.

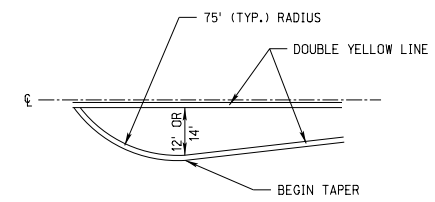
(2-LANE)		
REV. NO.	DATE	DESCRIPTION OF REVISION
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 943 <b>TEMPORARY PAVEMENT MARKING</b>		
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <span style="font-size: 0.6em;">1 4</span> </div>
_____ DATE ORIGINAL: OCT. 2018 _____ DATE		



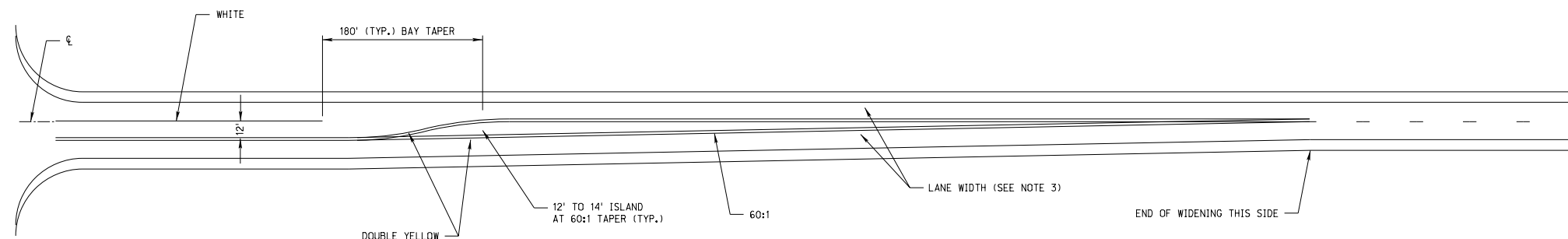
WIDENING BOTH SIDES WITH RIGHT TURN BAY



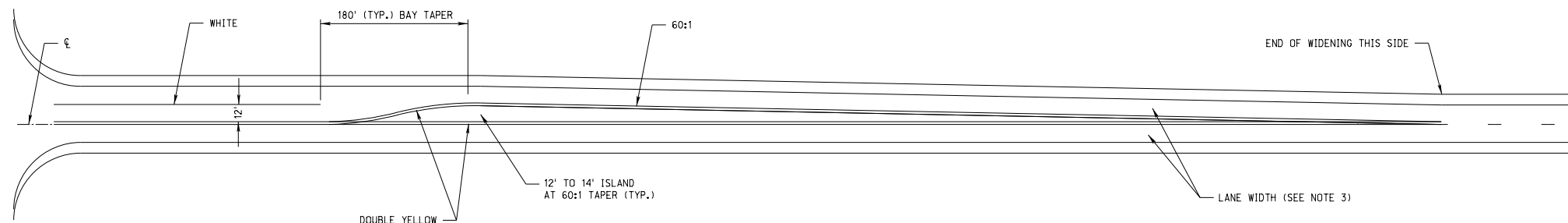
WIDENING BOTH SIDES



TYPICAL MARKING FOR MEDIAN W/NO LEFT TURN



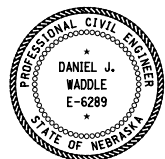
WIDENING ON DEPARTURE SIDE

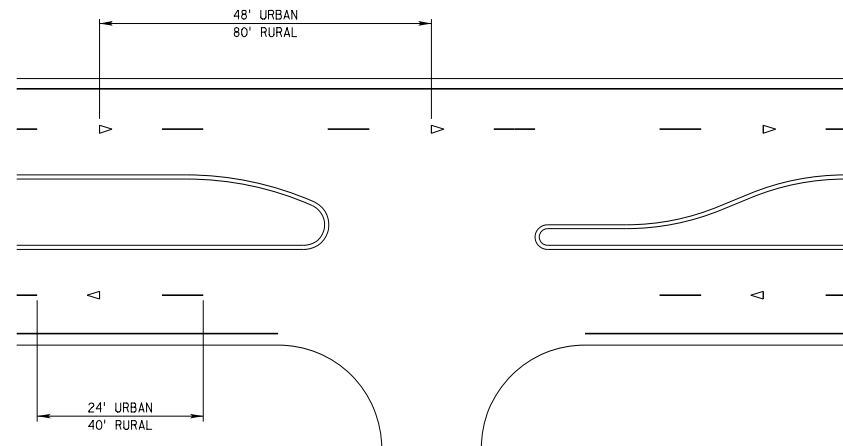


WIDENING ON APPROACH SIDE

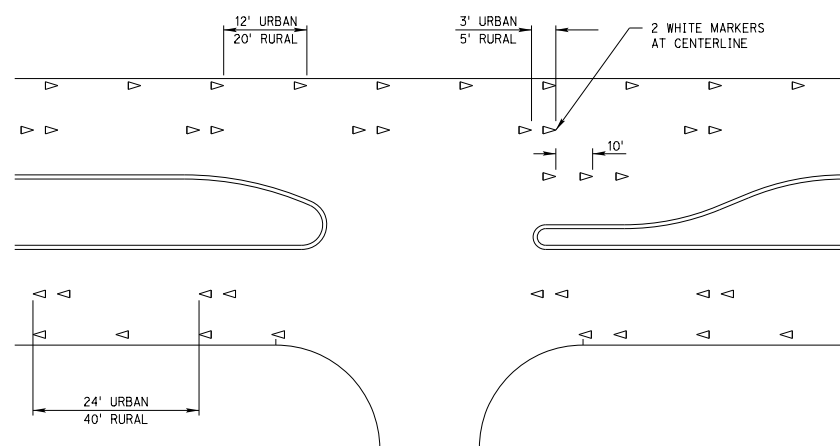
NOTES:

1. ALL TEMPORARY MARKINGS SHALL BE NO LESS THAN 4 INCHES WIDE.
2. MINIMUM LENGTH OF TURN BAYS SHALL BE 100 FEET, DESIRABLE LENGTH OF TURN BAYS FOR THE MAJOR TURNING MOVEMENT SHOULD BE FROM 150 FEET TO 240 FEET. ACTUAL LENGTHS WILL BE AS REQUIRED BY THE ENGINEER.
3. THE WIDTH OF TRAVELED LANE SHALL BE 12 FEET, UNLESS APPROVED OTHERWISE BY THE ENGINEER.
4. DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
5. THE STRIPING OF LEFT TURN LANES ARE CONSIDERED OPTIONAL, AS REQUIRED BY THE ENGINEER.

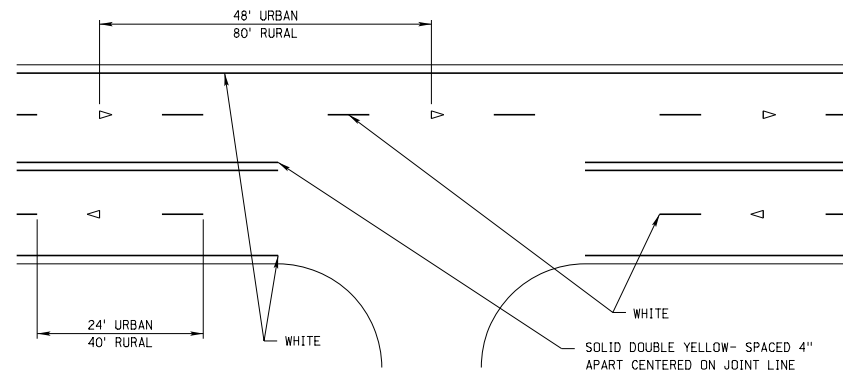
(2-LANE)				
REV. NO.	DATE	DESCRIPTION OF REVISION		
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 943 <b>TEMPORARY PAVEMENT MARKING</b>				
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  </div> <div style="text-align: center;">                 DATE                  ORIGINAL:                  OCT. 2018                  DATE             </div> <div style="text-align: center;"> <table border="1" style="border-radius: 50%; width: 30px; height: 30px;"> <tr><td style="text-align: center;">2</td></tr> <tr><td style="text-align: center;">4</td></tr> </table> </div> </div>	2	4
2				
4				



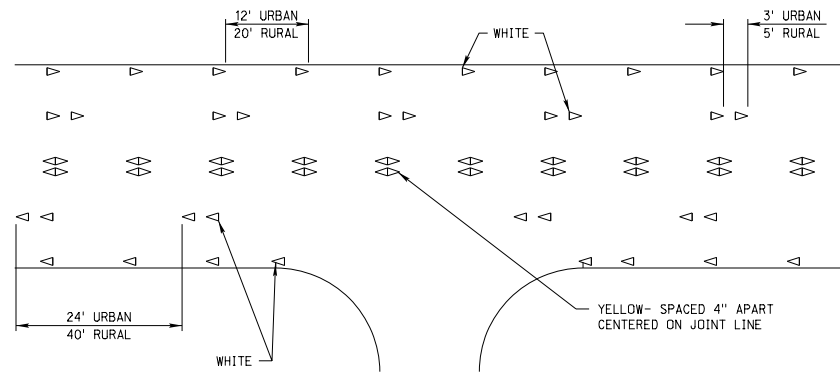
**DIVIDED ROADWAY**  
ALL LINES & ▷ ARE WHITE



**DIVIDED ROADWAY**  
ALL ▷ ARE WHITE



**UNDIVIDED ROADWAY**  
**PAINT/TAPE**



**UNDIVIDED ROADWAY**  
**RPM/OVERLAY MARKER**

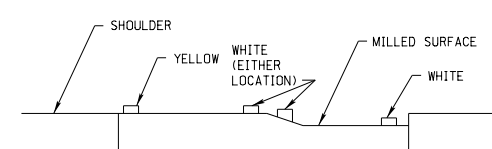
TABLE I BROKEN LINES				
TYPE OF MARKING	LENGTH		MATERIAL ALLOWED	
	RURAL	URBAN	LOWER LAYER	TOP LAYER
PAINT	10'	6'	X	* X
TYPE I TAPE	4' MIN.	2' MIN.		* X
RPM/OVERLAY MARKER	2 AT 5' SPACING	2 AT 3' SPACING	X	X

\*PAINT OR TYPE I TAPE SHALL BE SUPPLEMENTED WITH A RPM OR AN OVERLAY MARKER AT INTERVALS SHOWN ON THE TOP LAYER.

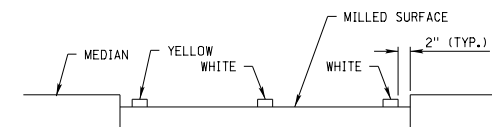
TABLE II SOLID LINES				
TYPE OF MARKING	LENGTH		MATERIAL ALLOWED	
	RURAL	URBAN	LOWER LAYER	TOP LAYER
PAINT	SOLID	SOLID	X	X
* TYPE I TAPE	SOLID	SOLID		X
RPM/OVERLAY MARKER	20' SPACING	12' SPACING	X	X

**NOTES:**

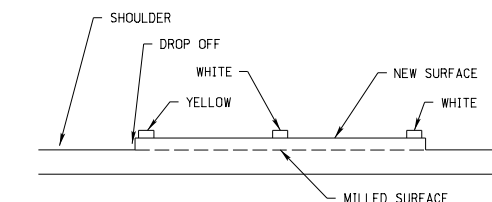
- ALL TEMPORARY MARKINGS SHALL BE NO LESS THAN 4 INCHES WIDE.
- ALL TEMPORARY PAVEMENT MARKINGS THAT WILL BE COVERED BY PERMANENT PAVEMENT MARKINGS SHALL COMPLY WITH THE ALIGNMENT AND LOCATION REQUIREMENTS OF THE FINAL PAVEMENT MARKING MATERIAL. TEMPORARY PAVEMENT MARKINGS THAT ARE NOT COVERED BY THE PERMANENT MARKINGS SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE.
- RAISED PAVEMENT MARKERS (RPM'S) & OVERLAY MARKERS SHALL BE REMOVED PRIOR TO INSTALLATION OF THE NEXT LAYER AND UPON COMPLETION OF PERMANENT STRIPING.
- TYPE I TAPE SHALL BE REMOVED UPON COMPLETION OF PERMANENT STRIPING.
- RPM/OVERLAY MARKERS ARE NOT REQUIRED ON MILLED SURFACES, HYDRATED LIME SURFACES AND STABILIZED SURFACES.
- PLACE BROKEN LINE 2 INCHES TO THE LEFT OF JOINT LINE, EDGE LINE (SOLID) MARKINGS SHALL BE PLACED 12 FEET FROM THE CENTER JOINT LINE (2 INCHES INSIDE OF SHOULDER JOINT LINE WHEN APPLICABLE.)
- PROJECTS WHICH DO NOT CREATE AN EDGELINE DROP OFF WILL NOT REQUIRE TEMPORARY EDGELINE MARKING.



**NOTCHED WEDGE CENTERLINE**



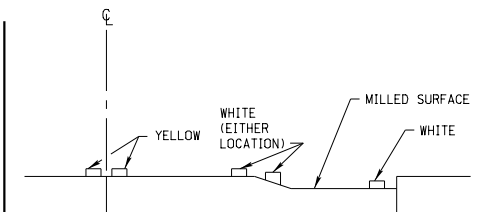
**MILLED SURFACE**



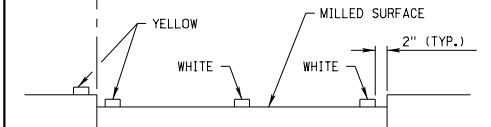
**NEW SURFACING**

**DIVIDED ROADWAY**

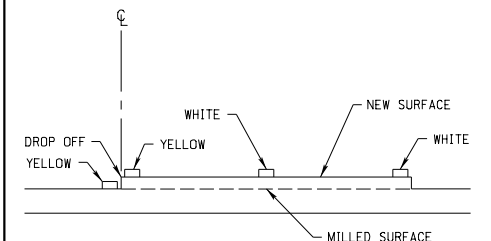
**LATERAL LOCATION DETAILS**



**NOTCHED WEDGE CENTERLINE**



**MILLED SURFACE**




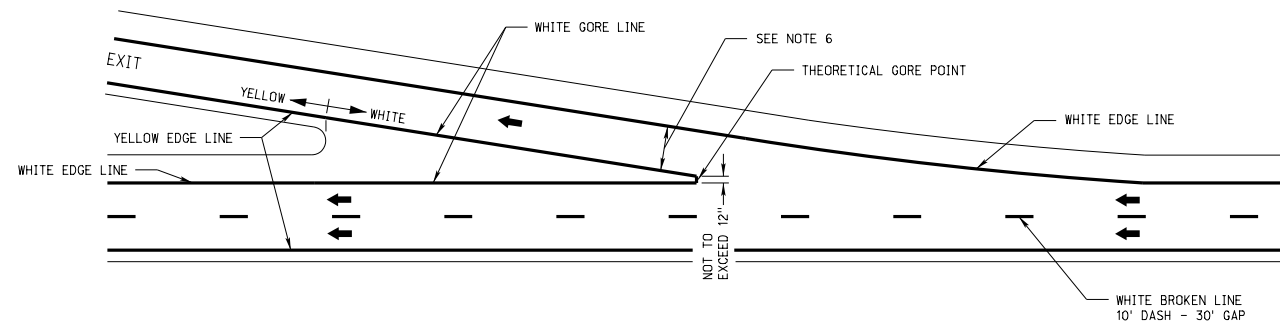
**NEW SURFACING**

**UNDIVIDED ROADWAY**

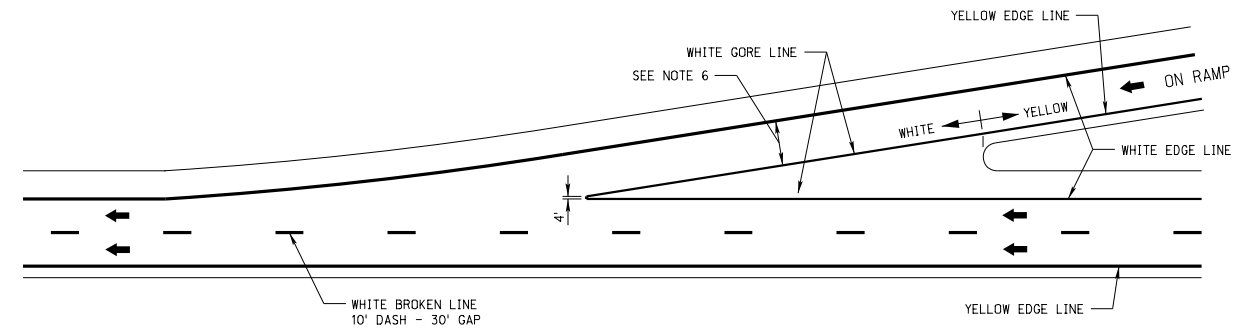
**LEGEND**

- ▷ RPM/OVERLAY MARKER
- ◁▷ BIDIRECTIONAL RPM/OVERLAY MARKER

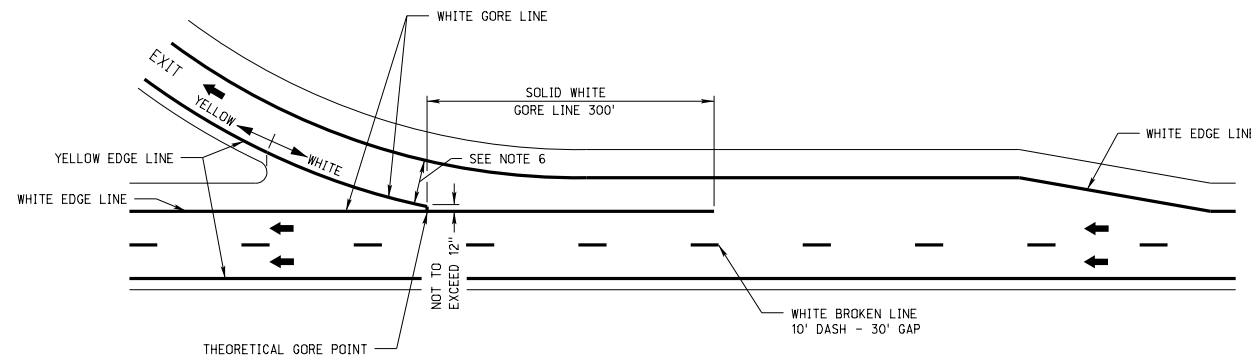
4-LANE		
REV. NO.	DATE	DESCRIPTION OF REVISION
NEBRASKA DEPARTMENT OF TRANSPORTATION STANDARD PLAN NO. 943 <b>TEMPORARY PAVEMENT MARKING</b>		
ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:		<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <span style="font-size: 24px; font-weight: bold;">3</span>  <span style="font-size: 24px; font-weight: bold;">4</span> </div>
<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  </div> <div style="text-align: center;"> <p>DATE _____</p> <p>ORIGINAL: OCT. 2018</p> <p>DATE _____</p> </div> </div>		



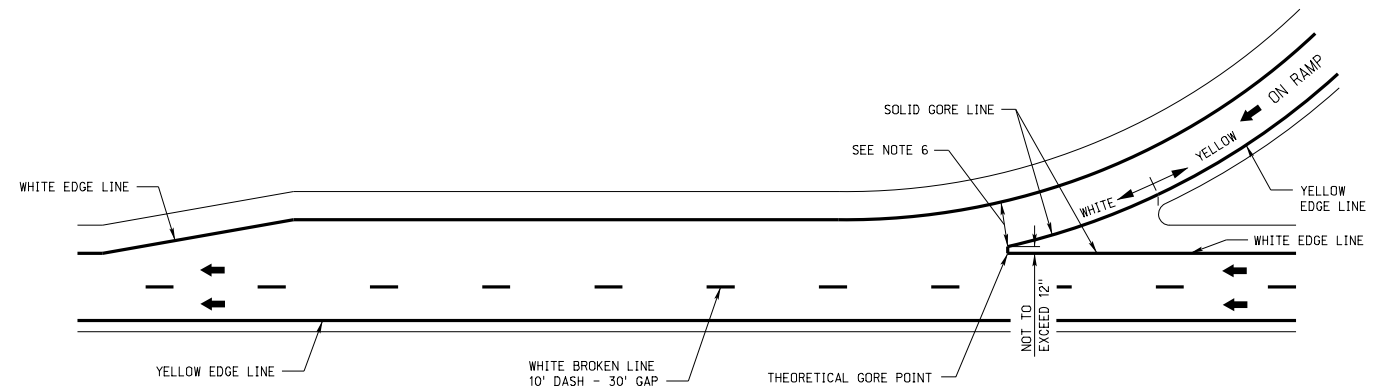
TAPERED DECELERATION LANE



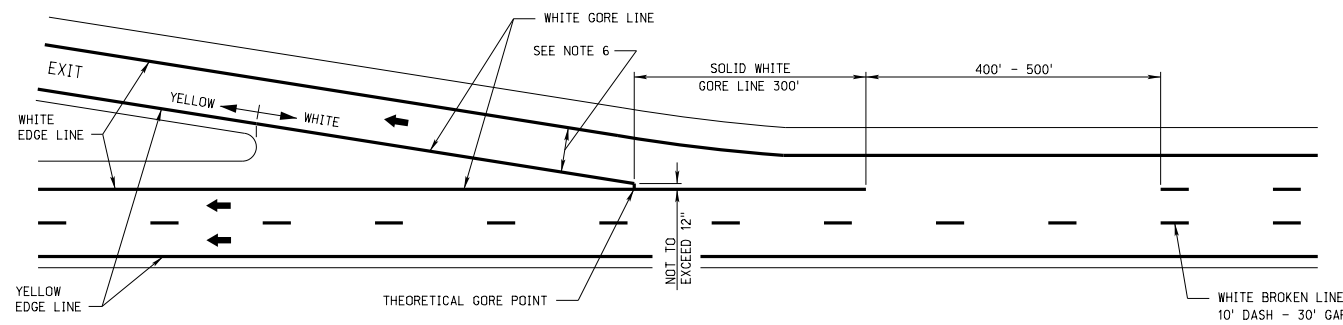
TAPERED ACCELERATION LANE



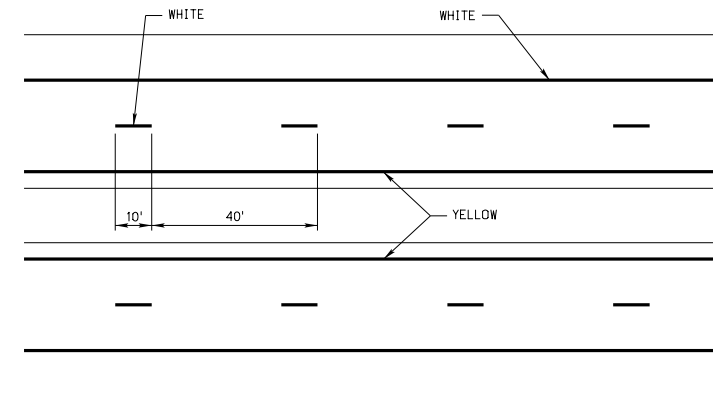
PARALLEL DECELERATION LANE



PARALLEL ACCELERATION LANE



EXIT ONLY LANE DROP



4 LANE DEPRESSED MEDIAN WITH SURFACED SHOULDERS

NOTES:

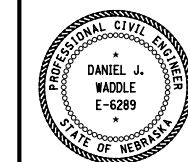
1. ALL TEMPORARY MARKINGS SHALL BE NO LESS THAN 4 INCHES WIDE.
2. BROKEN LINE MARKINGS ON LOWER LAYERS (INCLUDING MILLED SURFACES) SHALL BE 4 INCHES BY 10 FEET PAINTED LINES AT 40 FEET INTERVALS, PLACED TO THE LEFT OF THE JOINT LINE.
3. BROKEN LINE MARKINGS ON TOP LAYERS SHALL BE 4 INCHES BY 8 FEET (MINIMUM) TO 10 FEET (MAXIMUM) PAINTED LINE AT 40 FEET INTERVALS, PLACED 2 INCHES TO THE LEFT OF THE JOINT LINE. THE INTERVAL SHALL BE 40 FEET (PLUS/MINUS) 2 INCHES TO ALLOW FOR THE PERMANENT PAVEMENT MARKING.
4. SOLID LINE MARKINGS SHALL BE PLACED 2 INCHES TO THE INSIDE OF THE EDGE JOINT LINE.
5. ALL TEMPORARY PAVEMENT MARKINGS THAT WILL BE COVERED BY PERMANENT PAVEMENT MARKINGS SHALL COMPLY WITH THE ALIGNMENT AND LOCATION REQUIREMENTS OF THE FINAL PAVEMENT MARKING MATERIAL. TEMPORARY PAVEMENT MARKINGS THAT ARE NOT COVERED BY THE PERMANENT MARKINGS SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE.
6. RAMP LANE WIDTH IS TYPICALLY 16 FEET FOR SINGLE LANE RAMP, 12 FEET FOR TWO LANE RAMP.

FREEWAY/EXPRESSWAY

REV. NO.	DATE	DESCRIPTION OF REVISION

NEBRASKA DEPARTMENT OF TRANSPORTATION  
STANDARD PLAN NO. 943  
**TEMPORARY PAVEMENT MARKING**

ACCEPTED BY FHWA FOR USE ON THE NATIONAL HIGHWAY SYSTEM:



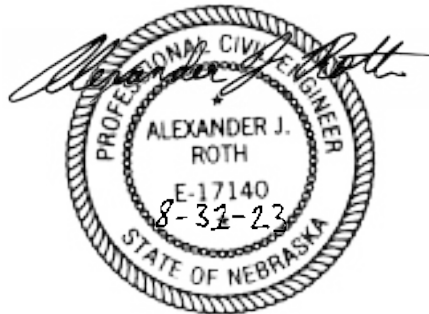
DATE  
ORIGINAL:  
OCT. 2018  
DATE

4  
4

**CONTRACT DOCUMENTS**  
**CITY OF SEWARD, NE**  
**IZAACK WALTON ROAD AT HIGHWAY 15 INTERSECTION**  
**IMPROVEMENTS**  
**SCHEMMER PROJECT NO. 09193.001**

**SCHEMMER**

*Design with Purpose. Build with Confidence.*



**SEPTEMBER 2023**

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## NOTICE TO CONTRACTORS

### CITY OF SEWARD, IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION IMPROVEMENTS

Sealed proposals will be received by the CITY CLERK, CITY OF SEWARD – CITY HALL, 537 Main Street, P.O. Box 38, SEWARD, NE 68434 until 10:00 a.m. on the 4<sup>th</sup> day of October 2023, for furnishing all labor, tools, materials, and equipment required to complete all work designated as IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION IMPROVEMENTS as per plans and specifications for such work now on file with the A&D Technical Supply website. An optional paper set of project documents is available for a non-refundable price through A&D Technical Supply. If you have any questions, contact Michael Oneby, P.E. at 402-643-4000 extension number 203. To bid the project, the contract documents must be issued directly by A&D Technical Supply.

The project consists of:

Realignment and reconstruction of the existing intersection along Izaak Walton Road, including grading, concrete paving (approximately 2,600 square yards), new lighting, guardrail, culvert replacement, and seeding.

Proposals will be taken for said construction work described above by unit prices, as an aggregate bid for the entire project.

All proposals for said construction work must be made on blanks furnished by the Engineer and must be accompanied by Bid Security of not less than 5% of the amount bid. Bid Security to be made payable to the City of Seward as liquidated damages in case the bid is accepted and the bidder neglects or refuses, to enter into contract and furnish bond in accordance herewith.

No bidder may withdraw the submitted proposal for a period of forty-five (45) days after the date set for the opening of bids. The City of Seward reserves the right to reject any or all bids received and to waive informalities.

MICHAEL ONEBY, P.E.  
PROJECT COORDINATOR/CITY ENGINEER  
City of Seward, Nebraska – City Hall  
537 Main Street  
P.O. Box 38  
Seward, NE 68434

Published: Seward County Independent, September 13<sup>th</sup>, 20<sup>th</sup>, 27<sup>th</sup>, 2023

## Instruction to Bidders

### Defined Terms

1.01 Terms used in these Instructions to Bidders have the meanings indicated in the General Conditions and Supplementary Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below:

A. *Issuing Office* – The office from which the Bidding Documents are to be issued and where the bidding procedures are to be administered.

### ARTICLE 2 – COPIES OF BIDDING DOCUMENTS

2.01 Complete sets of the Bidding Documents in the number and for the deposit sum, if any, stated in the advertisement or invitation to bid may be obtained from the Issuing Office.

2.02 Complete sets of Bidding Documents shall be used in preparing Bids; neither Owner nor Engineer assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

2.03 Owner and Engineer, in making copies of Bidding Documents available on the above terms, do so only for the purpose of obtaining Bids for the Work and do not authorize or confer a license for any other use.

### ARTICLE 3 – QUALIFICATIONS OF BIDDERS

3.01 To demonstrate Bidder's qualifications to perform the Work, within 5 days of Owner's request, Bidder shall submit written evidence such as financial data, previous experience or present commitments.

3.02 Bidder is advised to carefully review those portions of the Bid Form requiring Bidder's representations and certifications.

### ARTICLE 4 – EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA, AND SITE

4.01 *Subsurface and Physical Conditions*

A. The Supplementary Conditions identify:

1. Those reports known to Owner of explorations and tests of subsurface conditions at or contiguous to the Site.
2. Those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities).

B. Copies of reports and drawings referenced in Paragraph 4.01.A will be made available by Owner to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which Bidder is entitled to rely as provided in Paragraph 4.02 of the General Conditions has been identified and established in Paragraph 4.02 of the Supplementary Conditions. Bidder is responsible for any interpretation

## Instruction to Bidders

or conclusion Bidder draws from any “technical data” or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.

### 4.02 *Underground Facilities*

- A. Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities, including Owner, or others.

### 4.03 *Hazardous Environmental Condition*

- A. The Supplementary Conditions identify any reports and drawings known to Owner relating to a Hazardous Environmental Condition identified at the Site.
- B. Copies of reports and drawings referenced in Paragraph 4.03.A will be made available by Owner to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the “technical data” contained therein upon which Bidder is entitled to rely as provided in Paragraph 4.06 of the General Conditions has been identified and established in Paragraph 4.06 of the Supplementary Conditions. Bidder is responsible for any interpretation or conclusion Bidder draws from any “technical data” or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.

4.04 Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to subsurface conditions, other physical conditions, and Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated subsurface or physical conditions appear in Paragraphs 4.02, 4.03, and 4.04 of the General Conditions.

4.05 On request, Owner will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies. Bidder shall comply with all applicable Laws and Regulations relative to excavation and utility locates.

4.06 A. Reference is made to Article 7 of the Supplementary Conditions for the identification of the general nature of other work that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) that relates to the Work contemplated by these Bidding Documents. On request, Owner will provide to each Bidder for examination access to or copies of contract documents (other than portions thereof related to price) for such other work.

- B. Paragraph 6.13.C of the General Conditions indicates that if an Owner safety program exists, it will be noted in the Supplementary Conditions.

4.07 It is the responsibility of each Bidder before submitting a Bid to:

- A. examine and carefully study the Bidding Documents, and the other related data identified in the Bidding Documents;

## Instruction to Bidders

- B. visit the Site and become familiar with and satisfy Bidder as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;
- C. become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work;
- D. carefully study all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities) that have been identified in Paragraph 4.02 of the Supplementary Conditions as containing reliable "technical data,"
- E. consider the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder's safety precautions and programs;
- F. agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents;
- G. become aware of the general nature of the work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents;
- H. promptly give Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder; and
- I. determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.

## Instruction to Bidders

- 4.08 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by Engineer are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

### **ARTICLE 5 – PRE-BID CONFERENCE**

- 5.01 A pre-Bid conference will not be held for this project

### **ARTICLE 6 – SITE AND OTHER AREAS**

- 6.01 The Site is identified in the Bidding Documents. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by Owner unless otherwise provided in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by Contractor.

### **ARTICLE 7 – INTERPRETATIONS AND ADDENDA**

- 7.01 All questions about the meaning or intent of the Bidding Documents are to be submitted to Engineer in writing. Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by Engineer as having received the Bidding Documents. Questions received less than ten days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- 7.02 Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by Owner or Engineer.

### **ARTICLE 8 – BID SECURITY**

- 8.01 A Bid must be accompanied by Bid security made payable to Owner in an amount of 5 percent of Bidder's maximum Bid price and in the form of a certified check, bank money order, or a Bid bond (on the form attached) issued by a surety meeting the requirements of Paragraphs 5.01 and 5.02 of the General Conditions.
- 8.02 The Bid security of the Successful Bidder will be retained until such Bidder has executed the Contract Documents, furnished the required contract security and met the other conditions of the Notice of Award, whereupon the Bid security will be returned. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within 15 days after the Notice of Award, Owner may consider Bidder to be in default, annul the Notice of Award, and the Bid security of that Bidder will be forfeited. Such forfeiture shall be Owner's exclusive remedy if Bidder defaults. The Bid security of other Bidders whom Owner believes to

## Instruction to Bidders

have a reasonable chance of receiving the award may be retained by Owner until the earlier of seven days after the Effective Date of the Agreement or 46 days after the Bid opening, whereupon Bid security furnished by such Bidders will be returned.

- 8.03 Bid security of other Bidders whom Owner believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

### **ARTICLE 9 – CONTRACT TIMES**

- 9.01 The number of days within which, or the dates by which, [Milestones are to be achieved and] the Work is to be substantially completed and ready for final payment are set forth in the Agreement.

### **ARTICLE 10 – LIQUIDATED DAMAGES**

- 10.01 Provisions for liquidated damages, if any, are set forth in the Agreement.

### **ARTICLE 11 – SUBSTITUTE AND “OR-EQUAL” ITEMS**

- 11.01 The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or “or-equal” items. Whenever it is specified or described in the Bidding Documents that a substitute or “or-equal” item of material or equipment may be furnished or used by Contractor if acceptable to Engineer, application for such acceptance will not be considered by Engineer until after the Effective Date of the Agreement.

### **ARTICLE 12 – SUBCONTRACTORS, SUPPLIERS AND OTHERS**

- 12.01 If the Supplementary Conditions require the identity of certain Subcontractors, Suppliers, individuals, or entities to be submitted to Owner in advance of a specified date prior to the Effective Date of the Agreement, the apparent Successful Bidder, and any other Bidder so requested, shall within five days after Bid opening, submit to Owner a list of all such Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work for which such identification is required. Such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor, Supplier, individual, or entity if requested by Owner. If Owner or Engineer, after due investigation, has reasonable objection to any proposed Subcontractor, Supplier, individual, or entity, Owner may, before the Notice of Award is given, request apparent Successful Bidder to submit a substitute, *without an increase in the Bid*.
- 12.02 If apparent Successful Bidder declines to make any such substitution, Owner may award the Contract to the next lowest Bidder that proposes to use acceptable Subcontractors, Suppliers, individuals, or entities. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which Owner or Engineer makes no written objection prior to the giving of the Notice of Award will be deemed acceptable to Owner and Engineer subject to revocation of such acceptance after the Effective Date of the Agreement as provided in Paragraph 6.06 of the General Conditions.

## Instruction to Bidders

- 12.03 Contractor shall not be required to employ any Subcontractor, Supplier, individual, or entity against whom Contractor has reasonable objection.

### **ARTICLE 13 – PREPARATION OF BID**

- 13.01 The Bid Form is included with the Bidding Documents. Additional copies may be obtained from Engineer.
- 13.02 All blanks on the Bid Form shall be completed in ink and the Bid Form signed in ink. Erasures or alterations shall be initialed in ink by the person signing the Bid Form. A Bid price shall be indicated for each [section, Bid item, alternative, adjustment unit price item, and unit price item] listed therein. In the case of optional alternatives the words “No Bid,” “No Change,” or “Not Applicable” may be entered.
- 13.03 A Bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation shall be shown.
- 13.04 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership shall be shown.
- 13.05 A Bid by a limited liability company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm shall be shown.
- 13.06 A Bid by an individual shall show the Bidder’s name and official address.
- 13.07 A Bid by a joint venture shall be executed by each joint venturer in the manner indicated on the Bid Form. The official address of the joint venture shall be shown.
- 13.08 All names shall be printed in ink below the signatures.
- 13.09 The Bid shall contain an acknowledgment of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.
- 13.10 Postal and e-mail addresses and telephone number for communications regarding the Bid shall be shown.
- 13.11 The Bid shall contain evidence of Bidder’s authority and qualification to do business in the state where the Project is located, or Bidder shall covenant in writing to obtain such authority and qualification prior to award of the Contract and attach such covenant to the Bid. Bidder’s state contractor license number, if any, shall also be shown on the Bid Form.

**ARTICLE 14 – BASIS OF BID; COMPARISON OF BIDS**

14.01 *Unit Price*

- A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the Bid schedule.
- B. The total of all estimated prices will be the sum of the products of the estimated quantity of each item and the corresponding unit price. The final quantities and Contract Price will be determined in accordance with Paragraph 11.03 of the General Conditions.
- C. Discrepancies between the multiplications of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

**ARTICLE 15 – SUBMITTAL OF BID**

- 15.01 With each copy of the Bidding Documents, a Bidder is furnished one separate unbound copy of the Bid Form, and, if required, the Bid Bond Form. The unbound copy of the Bid Form is to be completed and submitted with the Bid security and the following documents:
- 15.02 A Bid shall be submitted no later than the date and time prescribed and at the place indicated in the advertisement or invitation to bid and shall be enclosed in a plainly marked package with the Project title (and, if applicable, the designated portion of the Project for which the Bid is submitted), the name and address of Bidder, and shall be accompanied by the Bid security and other required documents. If a Bid is sent by mail or other delivery system, the sealed envelope containing the Bid shall be enclosed in a separate package plainly marked on the outside with the notation “**BID ENCLOSED.**” A mailed Bid shall be addressed to CITY OF SEWARD, 142 N. 7<sup>TH</sup> STREET, SEWARD, NE 68434.

**ARTICLE 16 – MODIFICATION AND WITHDRAWAL OF BID**

- 16.01 A Bid may be modified or withdrawn by an appropriate document duly executed in the same manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time for the opening of Bids.
- 16.02 If within 24 hours after Bids are opened any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Bid security will be returned. Thereafter, if the Work is rebid, that Bidder will be disqualified from further bidding on the Work.

## **ARTICLE 17 – OPENING OF BIDS**

17.01 Bids will be opened at the time and place indicated in the Advertisement or Invitation to Bid and, unless obviously non-responsive, read aloud publicly. An abstract of the amounts of the base Bids and major alternates, if any, will be made available to Bidders after the opening of Bids.

## **ARTICLE 18 – BIDS TO REMAIN SUBJECT TO ACCEPTANCE**

18.01 All Bids will remain subject to acceptance for the period of time stated in the Bid Form, but Owner may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

## **ARTICLE 19 – EVALUATION OF BIDS AND AWARD OF CONTRACT**

19.01 Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to not be responsible. Owner may also reject the Bid of any Bidder if Owner believes that it would not be in the best interest of the Project to make an award to that Bidder. Owner also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.

19.02 More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one Bid for the Work may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest.

19.03 In evaluating Bids, Owner will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

19.04 In evaluating Bidders, Owner will consider the qualifications of Bidders and may consider the qualifications and experience of Subcontractors, Suppliers, and other individuals or entities proposed for those portions of the Work for which the identity of Subcontractors, Suppliers, and other individuals or entities must be submitted as provided in the Supplementary Conditions.

19.05 Owner may conduct such investigations as Owner deems necessary to establish the responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work in accordance with the Contract Documents.

19.06 If the Contract is to be awarded, Owner will award the Contract to the Bidder whose Bid is in the best interests of the Project.

## **ARTICLE 20 – CONTRACT SECURITY AND INSURANCE**

20.01 Article 5 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth Owner's requirements as to performance and payment bonds and insurance. When the

## Instruction to Bidders

Successful Bidder delivers the executed Agreement to Owner, it shall be accompanied by such bonds.

### **ARTICLE 21 – SIGNING OF AGREEMENT**

21.01 When Owner issues a Notice of Award to the Successful Bidder, it shall be accompanied by the required number of unsigned counterparts of the Agreement along with the other Contract Documents which are identified in the Agreement as attached thereto. Within 15 days thereafter, Successful Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to Owner. Within ten days thereafter, Owner shall deliver one fully signed counterpart to Successful Bidder with a complete set of the Drawings with appropriate identification.

### **ARTICLE 22 – SALES AND USE TAXES**

22.01 Owner is exempt from state sales and use taxes on materials and equipment to be incorporated in the Work. Refer to Paragraph 6.10 of the Supplementary Conditions for additional information.

### **ARTICLE 23 – RETAINAGE**

23.01 Provisions concerning Contractor's rights to deposit securities in lieu of retainage are set forth in the Agreement.

**BID FORM**

*Project Identification:*

CITY OF SEWARD, IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION  
IMPROVEMENTS

*Contract Identification and Number:*

Schemmer Project No. 09193.001

**ARTICLE 1-BID RECIPIENT**

1.01 This Bid is submitted to:

City of Seward, Nebraska – City Hall  
Attn. Michael Oneby, P.E.  
537 Main Street  
P.O. Box 38  
Seward, NE 68434

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

**ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS**

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 45 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

**ARTICLE 3 – BIDDER’S REPRESENTATIONS**

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

Addendum No.                      Addendum Date

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities) that have been identified in SC-4.02 as containing reliable "technical data,"
- E. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder's safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- 1. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

#### **ARTICLE 4 – BIDDER'S CERTIFICATION**

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;

- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
  - 1. “corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
  - 2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
  - 3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
  - 4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

#### **ARTICLE 5 – BASIS OF BID**

- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

## IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION IMPROVEMENTS

Item	Item Number	Description	Estimate Quantity	Unit	Bid Unit Price	Bid Price
1	0005.01	TRAFFIC CONTROL	1	LS	\$	\$
2	0030.00	MOBILIZATION	1	LS	\$	\$
3	002.44	TEMPORARY PAVEMENT MARKING, TYPE PAINT	2,299	LF	\$	\$
4	1000.00	LARGE TREE REMOVAL	1	EA	\$	\$
5	1009.00	GENERAL CLEARING AND GRUBBING	1	LS	\$	\$
6	1011.00	EARTHWORK MEASURED IN EMBANKMENT	8,057	CY	\$	\$
7	1011.00	WATER	11	MGAL	\$	\$
8	1041.00	SALVAGING AND PLACING TOPSOIL	8,241	SY	\$	\$
9	1101.00	REMOVE PAVEMENT	2,056	SY	\$	\$
10	1101.25	SAWING PAVEMENT	568	LF	\$	\$
11	1995.00	STABILIZED CONSTRUCTION EXIT	1	EA	\$	\$
12	2009.51	CRUSHED ROCK EMBEDMENT	1,417	SY	\$	\$
13	2010.03	CRUSHED ROCK SURFACE COURSE	198	TON	\$	\$
14	9188.50	SURFACING UNDER GUARDRAIL	22	SY	\$	\$
15	3075.42	9" CONCRETE PAVEMENT, CLASS 47B-3500	474	SY	\$	\$
16	3075.46	9" DOWELED CONCRETE PAVEMENT, CLASS 47B-3500	2,123	SY	\$	\$
17	4050.01	EXCAVATION FOR PIPE, PIPE ARCH CULVERTS, AND HEADWALLS	917	CY	\$	\$
18	4107.04	CLASS 47B-3000 CONCRETE FOR CONCRETE COLLARS	1.16	CY	\$	\$
19	4157.00	REINFORCING STEEL FOR COLLARS	68	LB	\$	\$
20	4360.24	24" METAL FLARED-END SECTION	1	EA	\$	\$

21	4460.24	24" CONCRETE FLARED-END SECTION	2	EA	\$	\$
22	4460.48	48" CONCRETE FLARED-END SECTION	1	EA	\$	\$
23	7017.00	REMOVE GUARDRAIL	187.5	LF	\$	\$
24	7024.27	GUARDRAIL END TREATMENT, TYPE II	1	EA	\$	\$
25	7308.10	REMOVE SIGN	1	EA	\$	\$
26	7309.90	REMOVE AND REINSTALL SIGN	10	EA	\$	\$
27	7316.12	SWPPP SIGN	1	EA	\$	\$
28	7495.06	6" WHITE PERMANENT PAVEMENT MARKING PAINT	545	LF	\$	\$
29	7495.06	6" YELLOW PERMANENT PAVEMENT MARKING PAINT	1,754	LF	\$	\$
30	7495.12	12" YELLOW PERMANENT PAVEMENT MARKING PAINT	34	LF	\$	\$
31	7495.12	12" WHITE PERMANENT PAVEMENT MARKING PAINT	26	LF	\$	\$
32	7500.32	ARROW, PREFORMED PAVEMENT MARKING, TYPE 4	4	EA	\$	\$
33	8029.25	FOUNDATION COURSE	3,108	SY	\$	\$
34	9170.00	EARTH SHOULDER CONSTRUCTION	8.6	STA	\$	\$
35	9173.20	SUBGRADE PREPARATION	3,108	SY	\$	\$
36	A001.12	PULL BOX, TYPE PB-5	5	EA	\$	\$
37	A030.03	SERVICE DISCONNECT (PROVIDED BY CITY, INSTALLED BY CONTRACTOR)	1	EA	\$	\$
38		INSTALL LIGHT POLE (POLE PROVIDED BY CITY, INSTALLED BY CONTRACTOR)	5	EA	\$	\$
39	A070.08	1 1/2-INCH CONDUIT IN TRENCH	1,448	LF	\$	\$
40	A070.10	1 1/2-INCH CONDUIT UNDER ROADWAY	104	LF	\$	\$
41	A074.12	1 1/2-INCH CONDUIT, JACKED	97	LF	\$	\$
42	A080.22	STREET LIGHTING CABLE, NO. 6 BARE	1,649	LF	\$	\$

43	A080.24	STREET LIGHTING CABLE, NO. 6 USE	3,298	LF	\$	\$
44	L001.02	SEEDING, TYPE B	1.70	AC	\$	\$
45	L019.13	EROSION CONTROL, CLASS 1D	8,241	SY	\$	\$
46	L022.11	FABRIC SILT FENCE ' LOW POROSITY'	812	LF	\$	\$
47	P120.24	24" CULVERT PIPE, TYPE 2	257	LF	\$	\$
48	P300.24	24" CULVERT PIPE, TYPE 3, 4 OR 5	25	LF	\$	\$
49	P300.48	48" CULVERT PIPE, TYPE 2	118	LF	\$	\$
<b>TOTAL BID (ITEMS 1-49, INCLUSIVE)</b>					\$	

Unit Prices have been computed in accordance with Paragraph 11.03.B of the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

#### **ARTICLE 6 – TIME OF COMPLETION**

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

#### **ARTICLE 7 – ATTACHMENTS TO THIS BID**

7.01 The following documents are submitted with and made a condition of this Bid:

A. Required Bid security in the form of \_\_\_\_\_;

Defined Terms

7.02 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

**ARTICLE 8 – BID SUBMITTAL**

9.01 This Bid is submitted by:

If Bidder is:

An Individual

Name (typed or printed): \_\_\_\_\_

By: \_\_\_\_\_  
(Individual's signature)

Doing business as: \_\_\_\_\_

A Partnership

Partnership Name: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): \_\_\_\_\_

A Corporation

Corporation Name: \_\_\_\_\_  
(SEAL)

State of Incorporation: \_\_\_\_\_  
Type (General Business, Professional, Service, Limited Liability): \_\_\_\_\_

By: \_\_\_\_\_  
(Signature -- attach evidence of authority to sign)

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_  
(CORPORATE SEAL)

Attest \_\_\_\_\_

Date of Qualification to do business in [State where Project is located] is  
\_\_\_\_/\_\_\_\_/\_\_\_\_.

A Joint Venture

Name of Joint Venture: \_\_\_\_\_

First Joint Venturer Name: \_\_\_\_\_  
(SEAL)

By: \_\_\_\_\_  
(Signature of first joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

Second Joint Venturer Name: \_\_\_\_\_  
\_\_\_\_\_  
(SEAL)

By: \_\_\_\_\_  
(Signature of second joint venture partner -- attach evidence of authority to sign)

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

Bidder's Business Address \_\_\_\_\_  
\_\_\_\_\_

Phone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

E-mail \_\_\_\_\_

SUBMITTED on \_\_\_\_\_, 20\_\_\_\_.

State Contractor License No. \_\_\_\_\_ *[If applicable]*

**BID BOND**

Any singular reference to Bidder, Surety, Owner or other party shall be considered plural where applicable.

BIDDER *(Name and Address)*:

SURETY *(Name and Address of Principal Place of Business)*:

OWNER *(Name and Address)*:

**BID**

Bid Due Date:  
Description *(Project Name and Include Location)*:

**BOND**

Bond Number:  
Date *(Not earlier than Bid due date)*:  
Penal sum \_\_\_\_\_

(Words)

\$ \_\_\_\_\_

(Figures)

Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.

**BIDDER**

**SURETY**

\_\_\_\_\_  
Bidder's Name and Corporate Seal

(Seal)

\_\_\_\_\_  
Surety's Name and Corporate Seal

(Seal)

By: \_\_\_\_\_  
Signature

By: \_\_\_\_\_  
Signature *(Attach Power of Attorney)*

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

Attest: \_\_\_\_\_  
Signature

Attest: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

*Note: Above addresses are to be used for giving any required notice. Provide execution by any additional parties, such as joint venturers, if necessary.*

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond shall be Owner's sole and exclusive remedy upon default of Bidder.
2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
3. This obligation shall be null and void if:
  - 3.1 Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
  - 3.2 All Bids are rejected by Owner, or
  - 3.3 Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions shall not in the aggregate exceed 120 days from Bid due date without Surety's written consent.
6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety and in no case later than one year after Bid due date.
7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
8. Notices required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Registered or Certified Mail, return receipt requested, postage pre-paid, and shall be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.
11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

**SUGGESTED FORM OF AGREEMENT  
BETWEEN OWNER AND CONTRACTOR  
FOR CONSTRUCTION CONTRACT (STIPULATED PRICE)**

THIS AGREEMENT is by and between \_\_\_\_\_ City of Seward, Nebraska \_\_\_\_\_ (“Owner”) and  
\_\_\_\_\_  
\_\_\_\_\_ (“Contractor”).

Owner and Contractor hereby agree as follows:

**ARTICLE 1 – WORK**

1.01 Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

Furnish all labor, materials and equipment for IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION IMPROVEMENTS. Work, per the plans and specifications, shall include clearing and grubbing, grading, concrete paving, signing, permanent pavement marking, guardrail, seeding, and all incidental work necessary to complete the Project as required by the plans and specifications.

**ARTICLE 2 – THE PROJECT**

2.01 The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows:

**CITY OF SEWARD  
IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION IMPROVEMENTS  
SCHEMMER PROJECT NO. 09193.001**

**ARTICLE 3 – ENGINEER**

3.01 The Project has been designed by the Schemmer Associates (Engineer), which is to act as Owner’s representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

**ARTICLE 4 – CONTRACT TIMES**

4.01 *Time of the Essence*

A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 *Days to Achieve Substantial Completion and Final Payment*

A. The Work will be completed per the CONTRACT TIME section of the special provisions after the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions for Izaak Walton Road at Highway 15 Intersection Improvements.

4.03 *Liquidated Damages*

A. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial loss if the Work is not completed within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay Owner \$1,000.00 for each day that expires after the time specified in Paragraph 4.02 above for Substantial Completion until the Work is substantially complete. After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by Owner, Contractor shall pay Owner \$500.00 for each day that expires after the time specified in Paragraph 4.02 above for completion and readiness for final payment until the Work is completed and ready for final payment.

**ARTICLE 5 – CONTRACT PRICE**

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents an amount in current funds equal to the sum of the amounts determined pursuant to Paragraphs 5.01.A below:

A. For all Unit Price Work, an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work times the actual quantity of that item:

<u>UNIT PRICE WORK</u>					
<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
	“UNIT PRICE” AND “BID PRICE” AS DEVELOPED ON BID TAB				

Total of all Bid Prices (Unit Price Work) \$

The Bid prices for Unit Price Work set forth as of the Effective Date of the Agreement are based on estimated quantities. As provided in Paragraph 11.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer as provided in Paragraph 9.07 of the General Conditions.

## **ARTICLE 6 – PAYMENT PROCEDURES**

### *6.01 Submittal and Processing of Payments*

- A. Contractor shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

### *6.02 Progress Payments; Retainage*

- A. Owner shall make progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment on or about the 20th day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below. All such payments will be measured by the schedule of values established as provided in Paragraph 2.07.A of the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no schedule of values, as provided in the General Requirements.

- 1. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Engineer may determine or Owner may withhold, including but not limited to liquidated damages, in accordance with Paragraph 14.02 of the General Conditions.

- a. 95 percent of Work completed (with the balance being retainage). If the Work has been 50 percent completed as determined by Engineer, and if the character and progress of the Work have been satisfactory to Owner and Engineer, then as long as the character and progress of the Work remain satisfactory to Owner and Engineer, there will be no additional retainage; and
- b. 95 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).

- B. Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to 99 percent of the Work completed, less such amounts as Engineer shall determine in accordance with Paragraph 14.02.B.5 of the General Conditions

### *6.03 Final Payment*

- A. Upon final completion and acceptance of the Work in accordance with Paragraph 14.07 of the General Conditions, Owner shall pay the remainder of the Contract Price as recommended by Engineer as provided in said Paragraph 14.07.

## **ARTICLE 7 – INTEREST**

7.01 All moneys not paid when due as provided in Article 14 of the General Conditions shall bear interest at the rate of 8 percent per annum.

## **ARTICLE 8 – CONTRACTOR’S REPRESENTATIONS**

8.01 In order to induce Owner to enter into this Agreement, Contractor makes the following representations:

- A. Contractor has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.
- B. Contractor has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Contractor is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Contractor has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities), if any, that have been identified in Paragraph SC-4.02 of the Supplementary Conditions as containing reliable "technical data,"
- E. Contractor has considered the information known to Contractor; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Contract Documents; and the Site-related reports and drawings identified in the Contract Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Contract Documents; and (3) Contractor’s safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 8.01.E above, Contractor does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.
- G. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
- H. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.

- I. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

## **ARTICLE 9 – CONTRACT DOCUMENTS**

### 9.01 *Contents*

- A. The Contract Documents consist of the following:
  1. Cover Page
  2. Table of Contents
  3. Notice to Contractors (page NC-1)
  4. Instructions to Bidders (pages 200-1: 200-9)
  5. Bid Form (pages 410-1: 410-9)
  6. Bid Bond (pages 430-1: 430-2)
  7. This Agreement (pages 520-1 to 520-8, inclusive).
  8. Performance bond (pages 610-1 to 610-3, inclusive).
  9. Payment bond (pages 615-1 to 615-3, inclusive).
  10. Other bonds (pages – to --, inclusive).
    - a. \_\_\_\_\_ (pages \_\_\_\_\_ to \_\_\_\_\_, inclusive).
    - b. \_\_\_\_\_ (pages \_\_\_\_\_ to \_\_\_\_\_, inclusive).
    - c. \_\_\_\_\_ (pages \_\_\_\_\_ to \_\_\_\_\_, inclusive).
  11. General Conditions (pages 700-1 to 700-62, inclusive).
  12. Supplementary Conditions (pages 800-1 to 800-9, inclusive).
  13. Special Provisions (pages 1 to 20).
  14. Drawings consisting of the Drawings listed on attached sheet index.
  15. Addenda (numbers \_\_\_\_\_ to \_\_\_\_\_, inclusive).
  16. Exhibits to this Agreement (enumerated as follows):
    - a. Contractor’s Bid (pages \_\_\_\_\_ to \_\_\_\_\_, inclusive).

- b. Documentation submitted by Contractor prior to Notice of Award (pages \_\_\_\_\_ to \_\_\_\_\_, inclusive).
17. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
- a. Notice of Award (pages 1 to 1, inclusive).
  - b. Notice to Proceed (pages 1 to 1, inclusive).
  - c. Work Change Directives.
  - d. Change Orders.
- B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 9.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in Paragraph 3.04 of the General Conditions.

## **ARTICLE 10 – MISCELLANEOUS**

### *10.01 Terms*

- A. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

### *10.02 Assignment of Contract*

- A. No assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

### *10.03 Successors and Assigns*

- A. Owner and Contractor each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

#### 10.04 *Severability*

- A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

#### 10.05 *Contractor's Certifications*

- A. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 10.05:
  - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process or in the Contract execution;
  - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
  - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; and
  - 4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

#### 10.06 *Other Provisions*

IN WITNESS WHEREOF, Owner and Contractor have signed this Agreement. Counterparts have been delivered to Owner and Contractor. All portions of the Contract Documents have been signed or have been identified by Owner and Contractor or on their behalf.

This Agreement will be effective on \_\_\_\_\_ (which is the Effective Date of the Agreement).

OWNER:

City of Seward, Nebraska  
\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Attest: \_\_\_\_\_

Title: \_\_\_\_\_

Address for giving notices:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(If Owner is a corporation, attach evidence of authority to sign. If Owner is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.)

CONTRACTOR

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

(If Contractor is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest: \_\_\_\_\_

Title: \_\_\_\_\_

Address for giving notices:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

License No.: \_\_\_\_\_

(Where applicable)

*NOTE TO USER: Use in those states or other jurisdictions where applicable or required.*

Agent for service of process:  
\_\_\_\_\_

# PERFORMANCE BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

---

CONTRACTOR (*Name and Address*):                      SURETY (*Name, and Address of Principal Place of Business*):

OWNER (*Name and Address*):

## CONTRACT

Effective Date of Agreement:  
Amount:  
Description (*Name and Location*):

## BOND

Bond Number:  
Date (*Not earlier than Effective Date of Agreement*):  
Amount:  
Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Performance Bond to be duly executed by an authorized officer, agent, or representative.

## CONTRACTOR AS PRINCIPAL

## SURETY

\_\_\_\_\_  
Contractor's Name and Corporate Seal (Seal)

\_\_\_\_\_  
Surety's Name and Corporate Seal (Seal)

By: \_\_\_\_\_  
Signature

By: \_\_\_\_\_  
Signature (Attach Power of Attorney)

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

Attest: \_\_\_\_\_  
Signature

Attest: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

*Note: Provide execution by additional parties, such as joint venturers, if necessary.*

Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to Owner for the performance of the Contract, which is incorporated herein by reference.

1. If Contractor performs the Contract, Surety and Contractor have no obligation under this Bond, except to participate in conferences as provided in Paragraph 2.1.
2. If there is no Owner Default, Surety's obligation under this Bond shall arise after:
  - 2.1 Owner has notified Contractor and Surety, at the addresses described in Paragraph 9 below, that Owner is considering declaring a Contractor Default and has requested and attempted to arrange a conference with Contractor and Surety to be held not later than 15 days after receipt of such notice to discuss methods of performing the Contract. If Owner, Contractor, and Surety agree, Contractor shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive Owner's right, if any, subsequently to declare a Contractor Default; and
  - 2.2 Owner has declared a Contractor Default and formally terminated Contractor's right to complete the Contract. Such Contractor Default shall not be declared earlier than 20 days after Contractor and Surety have received notice as provided in Paragraph 2.1; and
  - 2.3 Owner has agreed to pay the Balance of the Contract Price to:
    1. Surety in accordance with the terms of the Contract; or
    2. Another contractor selected pursuant to Paragraph 3.3 to perform the Contract.
3. When Owner has satisfied the conditions of Paragraph 2, Surety shall promptly, and at Surety's expense, take one of the following actions:
  - 3.1 Arrange for Contractor, with consent of Owner, to perform and complete the Contract; or
  - 3.2 Undertake to perform and complete the Contract itself, through its agents or through independent contractors; or
  - 3.3 Obtain bids or negotiated proposals from qualified contractors acceptable to Owner for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by Owner and contractor selected with Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Contract, and pay to Owner the amount of damages as described in Paragraph 5 in excess of the Balance of the Contract Price incurred by Owner resulting from Contractor Default; or
  - 3.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor, and with reasonable promptness under the circumstances:
    1. After investigation, determine the amount for which it may be liable to Owner and, as soon as practicable after the amount is determined, tender payment therefor to Owner; or
    2. Deny liability in whole or in part and notify Owner citing reasons therefor.
4. If Surety does not proceed as provided in Paragraph 3 with reasonable promptness, Surety shall be deemed to be in default on this Bond 15 days after receipt of an additional written notice from Owner to Surety demanding that Surety perform its obligations under this Bond, and Owner shall be entitled to enforce any remedy available to Owner. If Surety proceeds as provided in Paragraph 3.4, and Owner refuses the payment tendered or Surety has denied liability, in whole or in part, without further notice Owner shall be entitled to enforce any remedy available to Owner.
5. After Owner has terminated Contractor's right to complete the Contract, and if Surety elects to act under Paragraph 3.1, 3.2, or 3.3 above, then the responsibilities of Surety to Owner shall not be greater than those of Contractor under the Contract, and the responsibilities of Owner to Surety shall not be greater than those of Owner under the Contract. To the limit of the amount of this Bond, but subject to commitment by Owner of the Balance of the Contract Price to mitigation of costs and damages on the Contract, Surety is obligated without duplication for:

- 5.1 The responsibilities of Contractor for correction of defective Work and completion of the Contract;
- 5.2 Additional legal, design professional, and delay costs resulting from Contractor's Default, and resulting from the actions of or failure to act of Surety under Paragraph 3; and
- 5.3 Liquidated damages, or if no liquidated damages are specified in the Contract, actual damages caused by delayed performance or non-performance of Contractor.

6. Surety shall not be liable to Owner or others for obligations of Contractor that are unrelated to the Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than Owner or its heirs, executors, administrators, or successors.

7. Surety hereby waives notice of any change, including changes of time, to Contract or to related subcontracts, purchase orders, and other obligations.

8. Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the Work or part of the Work is located, and shall be instituted within two years after Contractor Default or within two years after Contractor ceased working or within two years after Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

9. Notice to Surety, Owner, or Contractor shall be mailed or delivered to the address shown on the signature page.

10. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted herefrom and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

11. Definitions.

- 11.1 Balance of the Contract Price: The total amount payable by Owner to Contractor under the Contract after all proper adjustments have been made, including allowance to Contractor of any amounts received or to be received by Owner in settlement of insurance or other Claims for damages to which Contractor is entitled, reduced by all valid and proper payments made to or on behalf of Contractor under the Contract.
- 11.2 Contract: The agreement between Owner and Contractor identified on the signature page, including all Contract Documents and changes thereto.
- 11.3 Contractor Default: Failure of Contractor, which has neither been remedied nor waived, to perform or otherwise to comply with the terms of the Contract.
- 11.4 Owner Default: Failure of Owner, which has neither been remedied nor waived, to pay Contractor as required by the Contract or to perform and complete or otherwise comply with the other terms thereof.

FOR INFORMATION ONLY – *(Name, Address and Telephone)*

Surety Agency or Broker:

Owner's Representative *(Engineer or other party)*:

# PAYMENT BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

---

CONTRACTOR (*Name and Address*):

SURETY (*Name, and Address of Principal Place of Business*):

OWNER (*Name and Address*):

## CONTRACT

Effective Date of Agreement:

Amount:

Description (*Name and Location*):

## BOND

Bond Number:

Date (*Not earlier than Effective Date of Agreement*):

Amount:

Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms set forth below, do each cause this Payment Bond to be duly executed by an authorized officer, agent, or representative.

## CONTRACTOR AS PRINCIPAL

## SURETY

\_\_\_\_\_  
Contractor's Name and Corporate Seal (Seal)

\_\_\_\_\_  
Surety's Name and Corporate Seal (Seal)

By: \_\_\_\_\_  
Signature

By: \_\_\_\_\_  
Signature (Attach Power of Attorney)

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

Attest: \_\_\_\_\_  
Signature

Attest: \_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

*Note: Provide execution by additional parties, such as joint venturers, if necessary.*

1. Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to Owner to pay for labor, materials, and equipment furnished by Claimants for use in the performance of the Contract, which is incorporated herein by reference.
2. With respect to Owner, this obligation shall be null and void if Contractor:
  - 2.1 Promptly makes payment, directly or indirectly, for all sums due Claimants, and
  - 2.2 Defends, indemnifies, and holds harmless Owner from all claims, demands, liens, or suits alleging non-payment by Contractor by any person or entity who furnished labor, materials, or equipment for use in the performance of the Contract, provided Owner has promptly notified Contractor and Surety (at the addresses described in Paragraph 12) of any claims, demands, liens, or suits and tendered defense of such claims, demands, liens, or suits to Contractor and Surety, and provided there is no Owner Default.
3. With respect to Claimants, this obligation shall be null and void if Contractor promptly makes payment, directly or indirectly, for all sums due.
4. Surety shall have no obligation to Claimants under this Bond until:
  - 4.1 Claimants who are employed by or have a direct contract with Contractor have given notice to Surety (at the address described in Paragraph 12) and sent a copy, or notice thereof, to Owner, stating that a claim is being made under this Bond and, with substantial accuracy, the amount of the claim.
  - 4.2 Claimants who do not have a direct contract with Contractor:
    1. Have furnished written notice to Contractor and sent a copy, or notice thereof, to Owner, within 90 days after having last performed labor or last furnished materials or equipment included in the claim stating, with substantial accuracy, the amount of the claim and the name of the party to whom the materials or equipment were furnished or supplied, or for whom the labor was done or performed; and
    2. Have either received a rejection in whole or in part from Contractor, or not received within 30 days of furnishing the above notice any communication from Contractor by which Contractor had indicated the claim will be paid directly or indirectly; and
    3. Not having been paid within the above 30 days, have sent a written notice to Surety (at the address described in Paragraph 12) and sent a copy, or notice thereof, to Owner, stating that a claim is being made under this Bond and enclosing a copy of the previous written notice furnished to Contractor.
5. If a notice by a Claimant required by Paragraph 4 is provided by Owner to Contractor or to Surety, that is sufficient compliance.
6. Reserved.
7. Surety's total obligation shall not exceed the amount of this Bond, and the amount of this Bond shall be credited for any payments made in good faith by Surety.
8. Amounts owed by Owner to Contractor under the Contract shall be used for the performance of the Contract and to satisfy claims, if any, under any performance bond. By Contractor furnishing and Owner accepting this Bond, they agree that all funds earned by Contractor in the performance of the Contract are dedicated to satisfy obligations of Contractor and Surety under this Bond, subject to Owner's priority to use the funds for the completion of the Work.
9. Surety shall not be liable to Owner, Claimants, or others for obligations of Contractor that are unrelated to the Contract. Owner shall not be liable for payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligations to make payments to, give notices on behalf of, or otherwise have obligations to Claimants under this Bond.

10. Surety hereby waives notice of any change, including changes of time, to the Contract or to related subcontracts, purchase orders, and other obligations.

11. No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the location in which the Work or part of the Work is located or after the expiration of one year from the date (1) on which the Claimant gave the notice required by Paragraph 4.1 or Paragraph 4.2.3, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

12. Notice to Surety, Owner, or Contractor shall be mailed or delivered to the addresses shown on the signature page. Actual receipt of notice by Surety, Owner, or Contractor, however accomplished, shall be sufficient compliance as of the date received at the address shown on the signature page.

13. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted herefrom and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory Bond and not as a common law bond.

14. Upon request of any person or entity appearing to be a potential beneficiary of this Bond, Contractor shall promptly furnish a copy of this Bond or shall permit a copy to be made.

15. Definitions

15.1 Claimant: An individual or entity having a direct contract with Contractor, or with a first-tier subcontractor of Contractor, to furnish labor, materials, or equipment for use in the performance of the Contract. The intent of this Bond shall be to include without limitation in the terms “labor, materials or equipment” that part of water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Contract, architectural and engineering services required for performance of the Work of Contractor and Contractor’s subcontractors, and all other items for which a mechanic’s lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.

15.2 Contract: The agreement between Owner and Contractor identified on the signature page, including all Contract Documents and changes thereto.

15.3 Owner Default: Failure of Owner, which has neither been remedied nor waived, to pay Contractor as required by the Contract, or to perform and complete or otherwise comply with the other terms thereof.

FOR INFORMATION ONLY – *(Name, Address, and Telephone)*

Surety Agency or Broker:

Owner’s Representative *(Engineer or other)*:

This document has important legal consequences; consultation with an attorney is encouraged with respect to its use or modification. This document should be adapted to the particular circumstances of the contemplated Project and the controlling Laws and Regulations.

# STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

Prepared by

**ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE**

and

Issued and Published Jointly by

**ACEC**

AMERICAN COUNCIL OF ENGINEERING COMPANIES



**ASCE** American Society  
of Civil Engineers

**P/E** National Society of  
Professional Engineers  
Professional Engineers in Private Practice

AMERICAN COUNCIL OF ENGINEERING COMPANIES

ASSOCIATED GENERAL CONTRACTORS OF AMERICA

AMERICAN SOCIETY OF CIVIL ENGINEERS

PROFESSIONAL ENGINEERS IN PRIVATE PRACTICE  
*A Practice Division of the*  
NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

Endorsed by



CONSTRUCTION SPECIFICATIONS INSTITUTE

These General Conditions have been prepared for use with the Suggested Forms of Agreement Between Owner and Contractor (EJCDC C-520 or C-525, 2007 Editions). Their provisions are interrelated and a change in one may necessitate a change in the other. Comments concerning their usage are contained in the Narrative Guide to the EJCDC Construction Documents (EJCDC C-001, 2007 Edition). For guidance in the preparation of Supplementary Conditions, see Guide to the Preparation of Supplementary Conditions (EJCDC C-800, 2007 Edition).

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# STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

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## ARTICLE 1 – DEFINITIONS AND TERMINOLOGY

### 1.01 *Defined Terms*

- A. Wherever used in the Bidding Requirements or Contract Documents and printed with initial capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.
1. *Addenda*—Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.
  2. *Agreement*—The written instrument which is evidence of the agreement between Owner and Contractor covering the Work.
  3. *Application for Payment*—The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents.
  4. *Asbestos*—Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.
  5. *Bid*—The offer or proposal of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.
  6. *Bidder*—The individual or entity who submits a Bid directly to Owner.
  7. *Bidding Documents*—The Bidding Requirements and the proposed Contract Documents (including all Addenda).
  8. *Bidding Requirements*—The advertisement or invitation to bid, Instructions to Bidders, Bid security of acceptable form, if any, and the Bid Form with any supplements.
  9. *Change Order*—A document recommended by Engineer which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, issued on or after the Effective Date of the Agreement.
  10. *Claim*—A demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.
  11. *Contract*—The entire and integrated written agreement between the Owner and Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

12. *Contract Documents*—Those items so designated in the Agreement. Only printed or hard copies of the items listed in the Agreement are Contract Documents. Approved Shop Drawings, other Contractor submittals, and the reports and drawings of subsurface and physical conditions are not Contract Documents.
13. *Contract Price*—The moneys payable by Owner to Contractor for completion of the Work in accordance with the Contract Documents as stated in the Agreement (subject to the provisions of Paragraph 11.03 in the case of Unit Price Work).
14. *Contract Times*—The number of days or the dates stated in the Agreement to: (i) achieve Milestones, if any; (ii) achieve Substantial Completion; and (iii) complete the Work so that it is ready for final payment as evidenced by Engineer’s written recommendation of final payment.
15. *Contractor*—The individual or entity with whom Owner has entered into the Agreement.
16. *Cost of the Work*—See Paragraph 11.01 for definition.
17. *Drawings*—That part of the Contract Documents prepared or approved by Engineer which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.
18. *Effective Date of the Agreement*—The date indicated in the Agreement on which it becomes effective, but if no such date is indicated, it means the date on which the Agreement is signed and delivered by the last of the two parties to sign and deliver.
19. *Engineer*—The individual or entity named as such in the Agreement.
20. *Field Order*—A written order issued by Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or the Contract Times.
21. *General Requirements*—Sections of Division 1 of the Specifications.
22. *Hazardous Environmental Condition*—The presence at the Site of Asbestos, PCBs, Petroleum, Hazardous Waste, or Radioactive Material in such quantities or circumstances that may present a substantial danger to persons or property exposed thereto.
23. *Hazardous Waste*—The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.
24. *Laws and Regulations; Laws or Regulations*—Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.
25. *Liens*—Charges, security interests, or encumbrances upon Project funds, real property, or personal property.
26. *Milestone*—A principal event specified in the Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all the Work.

27. *Notice of Award*—The written notice by Owner to the Successful Bidder stating that upon timely compliance by the Successful Bidder with the conditions precedent listed therein, Owner will sign and deliver the Agreement.
28. *Notice to Proceed*—A written notice given by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work under the Contract Documents.
29. *Owner*—The individual or entity with whom Contractor has entered into the Agreement and for whom the Work is to be performed.
30. *PCBs*—Polychlorinated biphenyls.
31. *Petroleum*—Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-Hazardous Waste and crude oils.
32. *Progress Schedule*—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising the Contractor's plan to accomplish the Work within the Contract Times.
33. *Project*—The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part.
34. *Project Manual*—The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.
35. *Radioactive Material*—Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.
36. *Resident Project Representative*—The authorized representative of Engineer who may be assigned to the Site or any part thereof.
37. *Samples*—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.
38. *Schedule of Submittals*—A schedule, prepared and maintained by Contractor, of required submittals and the time requirements to support scheduled performance of related construction activities.
39. *Schedule of Values*—A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.
40. *Shop Drawings*—All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

41. *Site*—Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.
42. *Specifications*—That part of the Contract Documents consisting of written requirements for materials, equipment, systems, standards and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable thereto.
43. *Subcontractor*—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.
44. *Substantial Completion*—The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms “substantially complete” and “substantially completed” as applied to all or part of the Work refer to Substantial Completion thereof.
45. *Successful Bidder*—The Bidder submitting a responsive Bid to whom Owner makes an award.
46. *Supplementary Conditions*—That part of the Contract Documents which amends or supplements these General Conditions.
47. *Supplier*—A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or Subcontractor.
48. *Underground Facilities*—All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.
49. *Unit Price Work*—Work to be paid for on the basis of unit prices.
50. *Work*—The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction, and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.
51. *Work Change Directive*—A written statement to Contractor issued on or after the Effective Date of the Agreement and signed by Owner and recommended by Engineer ordering an addition, deletion, or revision in the Work, or responding to differing or unforeseen subsurface or physical conditions under which the Work is to be performed or to emergencies. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the change ordered or documented by a

Work Change Directive will be incorporated in a subsequently issued Change Order following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Times.

## 1.02 *Terminology*

A. The words and terms discussed in Paragraph 1.02.B through F are not defined but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.

### B. *Intent of Certain Terms or Adjectives:*

1. The Contract Documents include the terms “as allowed,” “as approved,” “as ordered,” “as directed” or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives “reasonable,” “suitable,” “acceptable,” “proper,” “satisfactory,” or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action, or determination will be solely to evaluate, in general, the Work for compliance with the information in the Contract Documents and with the design concept of the Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility contrary to the provisions of Paragraph 9.09 or any other provision of the Contract Documents.

### C. *Day:*

1. The word “day” means a calendar day of 24 hours measured from midnight to the next midnight.

### D. *Defective:*

1. The word “defective,” when modifying the word “Work,” refers to Work that is unsatisfactory, faulty, or deficient in that it:
  - a. does not conform to the Contract Documents; or
  - b. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or
  - c. has been damaged prior to Engineer’s recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 14.04 or 14.05).

### E. *Furnish, Install, Perform, Provide:*

1. The word “furnish,” when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.

2. The word “install,” when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.
  3. The words “perform” or “provide,” when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.
  4. When “furnish,” “install,” “perform,” or “provide” is not used in connection with services, materials, or equipment in a context clearly requiring an obligation of Contractor, “provide” is implied.
- F. Unless stated otherwise in the Contract Documents, words or phrases that have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

## **ARTICLE 2 – PRELIMINARY MATTERS**

### *2.01 Delivery of Bonds and Evidence of Insurance*

- A. When Contractor delivers the executed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner such bonds as Contractor may be required to furnish.
- B. *Evidence of Insurance:* Before any Work at the Site is started, Contractor and Owner shall each deliver to the other, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance which either of them or any additional insured may reasonably request) which Contractor and Owner respectively are required to purchase and maintain in accordance with Article 5.

### *2.02 Copies of Documents*

- A. Owner shall furnish to Contractor up to ten printed or hard copies of the Drawings and Project Manual. Additional copies will be furnished upon request at the cost of reproduction.

### *2.03 Commencement of Contract Times; Notice to Proceed*

- A. The Contract Times will commence to run on the thirtieth day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Agreement. In no event will the Contract Times commence to run later than the sixtieth day after the day of Bid opening or the thirtieth day after the Effective Date of the Agreement, whichever date is earlier.

### *2.04 Starting the Work*

- A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to the date on which the Contract Times commence to run.

## 2.05 *Before Starting Construction*

- A. *Preliminary Schedules:* Within 10 days after the Effective Date of the Agreement (unless otherwise specified in the General Requirements), Contractor shall submit to Engineer for timely review:
1. a preliminary Progress Schedule indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract Documents;
  2. a preliminary Schedule of Submittals; and
  3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

## 2.06 *Preconstruction Conference; Designation of Authorized Representatives*

- A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss the schedules referred to in Paragraph 2.05.A, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, and maintaining required records.
- B. At this conference Owner and Contractor each shall designate, in writing, a specific individual to act as its authorized representative with respect to the services and responsibilities under the Contract. Such individuals shall have the authority to transmit instructions, receive information, render decisions relative to the Contract, and otherwise act on behalf of each respective party.

## 2.07 *Initial Acceptance of Schedules*

- A. At least 10 days before submission of the first Application for Payment a conference attended by Contractor, Engineer, and others as appropriate will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with Paragraph 2.05.A. Contractor shall have an additional 10 days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.
1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work, nor interfere with or relieve Contractor from Contractor's full responsibility therefor.
  2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.

3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to component parts of the Work.

## **ARTICLE 3 – CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE**

### **3.01 *Intent***

- A. The Contract Documents are complementary; what is required by one is as binding as if required by all.
- B. It is the intent of the Contract Documents to describe a functionally complete project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that reasonably may be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the indicated result will be provided whether or not specifically called for, at no additional cost to Owner.
- C. Clarifications and interpretations of the Contract Documents shall be issued by Engineer as provided in Article 9.

### **3.02 *Reference Standards***

- A. Standards, Specifications, Codes, Laws, and Regulations
  1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard, specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Agreement if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.
  2. No provision of any such standard, specification, manual, or code, or any instruction of a Supplier, shall be effective to change the duties or responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees, from those set forth in the Contract Documents. No such provision or instruction shall be effective to assign to Owner, Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

### **3.03 *Reporting and Resolving Discrepancies***

- A. *Reporting Discrepancies:*
  1. *Contractor's Review of Contract Documents Before Starting Work:* Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures therein and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy which Contractor discovers, or has actual knowledge of, and shall obtain a written

interpretation or clarification from Engineer before proceeding with any Work affected thereby.

2. *Contractor's Review of Contract Documents During Performance of Work:* If, during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents, or between the Contract Documents and (a) any applicable Law or Regulation, (b) any standard, specification, manual, or code, or (c) any instruction of any Supplier, then Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 6.16.A) until an amendment or supplement to the Contract Documents has been issued by one of the methods indicated in Paragraph 3.04.
3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor had actual knowledge thereof.

B. *Resolving Discrepancies:*

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:
  - a. the provisions of any standard, specification, manual, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference in the Contract Documents); or
  - b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Amending and Supplementing Contract Documents*

- A. The Contract Documents may be amended to provide for additions, deletions, and revisions in the Work or to modify the terms and conditions thereof by either a Change Order or a Work Change Directive.
- B. The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, by one or more of the following ways:
  1. A Field Order;
  2. Engineer's approval of a Shop Drawing or Sample (subject to the provisions of Paragraph 6.17.D.3); or
  3. Engineer's written interpretation or clarification.

3.05 *Reuse of Documents*

- A. Contractor and any Subcontractor or Supplier shall not:

1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or its consultants, including electronic media editions; or
  2. reuse any such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaptation by Engineer.
- B. The prohibitions of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

### 3.06 *Electronic Data*

- A. Unless otherwise stated in the Supplementary Conditions, the data furnished by Owner or Engineer to Contractor, or by Contractor to Owner or Engineer, that may be relied upon are limited to the printed copies (also known as hard copies). Files in electronic media format of text, data, graphics, or other types are furnished only for the convenience of the receiving party. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.
- B. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the transferring party.
- C. When transferring documents in electronic media format, the transferring party makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the data's creator.

## **ARTICLE 4 – AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS; REFERENCE POINTS**

### 4.01 *Availability of Lands*

- A. Owner shall furnish the Site. Owner shall notify Contractor of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work. Owner will obtain in a timely manner and pay for easements for permanent structures or permanent changes in existing facilities. If Contractor and Owner are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of any delay in Owner's furnishing the Site or a part thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.
- B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which the Work is to be performed and

Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.

- C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

#### 4.02 *Subsurface and Physical Conditions*

A. *Reports and Drawings:* The Supplementary Conditions identify:

1. those reports known to Owner of explorations and tests of subsurface conditions at or contiguous to the Site; and
2. those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities).

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or
2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions, or information.

#### 4.03 *Differing Subsurface or Physical Conditions*

A. *Notice:* If Contractor believes that any subsurface or physical condition that is uncovered or revealed either:

1. is of such a nature as to establish that any "technical data" on which Contractor is entitled to rely as provided in Paragraph 4.02 is materially inaccurate; or
2. is of such a nature as to require a change in the Contract Documents; or
3. differs materially from that shown or indicated in the Contract Documents; or
4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.

B. *Engineer's Review:* After receipt of written notice as required by Paragraph 4.03.A, Engineer will promptly review the pertinent condition, determine the necessity of Owner's obtaining additional exploration or tests with respect thereto, and advise Owner in writing (with a copy to Contractor) of Engineer's findings and conclusions.

C. *Possible Price and Times Adjustments:*

1. The Contract Price or the Contract Times, or both, will be equitably adjusted to the extent that the existence of such differing subsurface or physical condition causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:
  - a. such condition must meet any one or more of the categories described in Paragraph 4.03.A; and
  - b. with respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraphs 9.07 and 11.03.
2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:
  - a. Contractor knew of the existence of such conditions at the time Contractor made a final commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract; or
  - b. the existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such final commitment; or
  - c. Contractor failed to give the written notice as required by Paragraph 4.03.A.
3. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, a Claim may be made therefor as provided in Paragraph 10.05. However, neither Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors shall be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

#### 4.04 *Underground Facilities*

A. *Shown or Indicated:* The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data provided by others; and
2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:
  - a. reviewing and checking all such information and data;
  - b. locating all Underground Facilities shown or indicated in the Contract Documents;
  - c. coordination of the Work with the owners of such Underground Facilities, including Owner, during construction; and
  - d. the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

B. *Not Shown or Indicated:*

1. If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer. Engineer will promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.
2. If Engineer concludes that a change in the Contract Documents is required, a Work Change Directive or a Change Order will be issued to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim therefor as provided in Paragraph 10.05.

#### 4.05 *Reference Points*

- A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

#### 4.06 *Hazardous Environmental Condition at Site*

- A. *Reports and Drawings:* The Supplementary Conditions identify those reports and drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at the Site.
- B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors with respect to:
  - 1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto; or
  - 2. other data, interpretations, opinions and information contained in such reports or shown or indicated in such drawings; or
  - 3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions or information.
- C. Contractor shall not be responsible for any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work. Contractor shall be responsible for a Hazardous Environmental Condition created with any materials brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.
- D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 6.16.A); and (iii) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any. Promptly after consulting with Engineer, Owner shall take such actions as are necessary to

permit Owner to timely obtain required permits and provide Contractor the written notice required by Paragraph 4.06.E.

- E. Contractor shall not be required to resume Work in connection with such condition or in any affected area until after Owner has obtained any required permits related thereto and delivered written notice to Contractor: (i) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work; or (ii) specifying any special conditions under which such Work may be resumed safely. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, either party may make a Claim therefor as provided in Paragraph 10.05.
- F. If after receipt of such written notice Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of an adjustment in Contract Price or Contract Times as a result of deleting such portion of the Work, then either party may make a Claim therefor as provided in Paragraph 10.05. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 7.
- G. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition: (i) was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be included within the scope of the Work, and (ii) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.G shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- H. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.H shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.
- I. The provisions of Paragraphs 4.02, 4.03, and 4.04 do not apply to a Hazardous Environmental Condition uncovered or revealed at the Site.

## ARTICLE 5 – BONDS AND INSURANCE

### 5.01 *Performance, Payment, and Other Bonds*

- A. Contractor shall furnish performance and payment bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all of Contractor's obligations under the Contract Documents. These bonds shall remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified in Paragraph 13.07, whichever is later, except as provided otherwise by Laws or Regulations or by the Contract Documents. Contractor shall also furnish such other bonds as are required by the Contract Documents.
- B. All bonds shall be in the form prescribed by the Contract Documents except as provided otherwise by Laws or Regulations, and shall be executed by such sureties as are named in the list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. All bonds signed by an agent or attorney-in-fact must be accompanied by a certified copy of that individual's authority to bind the surety. The evidence of authority shall show that it is effective on the date the agent or attorney-in-fact signed each bond.
- C. If the surety on any bond furnished by Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of Paragraph 5.01.B, Contractor shall promptly notify Owner and Engineer and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the requirements of Paragraphs 5.01.B and 5.02.

### 5.02 *Licensed Sureties and Insurers*

- A. All bonds and insurance required by the Contract Documents to be purchased and maintained by Owner or Contractor shall be obtained from surety or insurance companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue bonds or insurance policies for the limits and coverages so required. Such surety and insurance companies shall also meet such additional requirements and qualifications as may be provided in the Supplementary Conditions.

### 5.03 *Certificates of Insurance*

- A. Contractor shall deliver to Owner, with copies to each additional insured and loss payee identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Owner or any other additional insured) which Contractor is required to purchase and maintain.
- B. Owner shall deliver to Contractor, with copies to each additional insured and loss payee identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Contractor or any other additional insured) which Owner is required to purchase and maintain.

- C. Failure of Owner to demand such certificates or other evidence of Contractor's full compliance with these insurance requirements or failure of Owner to identify a deficiency in compliance from the evidence provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.
- D. Owner does not represent that insurance coverage and limits established in this Contract necessarily will be adequate to protect Contractor.
- E. The insurance and insurance limits required herein shall not be deemed as a limitation on Contractor's liability under the indemnities granted to Owner in the Contract Documents.

#### 5.04 *Contractor's Insurance*

- A. Contractor shall purchase and maintain such insurance as is appropriate for the Work being performed and as will provide protection from claims set forth below which may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether it is to be performed by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable. Insurance requirements for work around railroad property are detailed in the special provision "Railroad Special Provision". Reference that document for additional insurance requirements.
  - 1. claims under workers' compensation, disability benefits, and other similar employee benefit acts;
  - 2. claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;
  - 3. claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;
  - 4. claims for damages insured by reasonably available personal injury liability coverage which are sustained:
    - a. by any person as a result of an offense directly or indirectly related to the employment of such person by Contractor, or
    - b. by any other person for any other reason;
  - 5. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting there from; and
  - 6. claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.
- B. The policies of insurance required by this Paragraph 5.04 shall:
  - 1. with respect to insurance required by Paragraphs 5.04.A.3 through 5.04.A.6 inclusive, be written on an occurrence basis, include as additional insureds (subject to any customary exclusion regarding professional liability) Owner and Engineer, and any other individuals or

entities identified in the Supplementary Conditions, all of whom shall be listed as additional insureds, and include coverage for the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of all such additional insureds, and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby;

2. include at least the specific coverages and be written for not less than the limits of liability provided in the Supplementary Conditions or required by Laws or Regulations, whichever is greater;
3. include contractual liability insurance covering Contractor's indemnity obligations under Paragraphs 6.11 and 6.20;
4. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured identified in the Supplementary Conditions to whom a certificate of insurance has been issued (and the certificates of insurance furnished by the Contractor pursuant to Paragraph 5.03 will so provide);
5. remain in effect at least until final payment and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work in accordance with Paragraph 13.07; and
6. include completed operations coverage:
  - a. Such insurance shall remain in effect for two years after final payment.
  - b. Contractor shall furnish Owner and each other additional insured identified in the Supplementary Conditions, to whom a certificate of insurance has been issued, evidence satisfactory to Owner and any such additional insured of continuation of such insurance at final payment and one year thereafter.

#### 5.05 *Owner's Liability Insurance*

- A. In addition to the insurance required to be provided by Contractor under Paragraph 5.04, Owner, at Owner's option, may purchase and maintain at Owner's expense Owner's own liability insurance as will protect Owner against claims which may arise from operations under the Contract Documents.

#### 5.06 *Property Insurance*

- A. Unless otherwise provided in the Supplementary Conditions, Owner shall purchase and maintain property insurance upon the Work at the Site in the amount of the full replacement cost thereof (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). This insurance shall:
  1. include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors,

members, partners, employees, agents, consultants, and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as a loss payee;

2. be written on a Builder's Risk "all-risk" policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, falsework, and materials and equipment in transit, and shall insure against at least the following perils or causes of loss: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage (other than that caused by flood), and such other perils or causes of loss as may be specifically required by the Supplementary Conditions.
  3. include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);
  4. cover materials and equipment stored at the Site or at another location that was agreed to in writing by Owner prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment recommended by Engineer;
  5. allow for partial utilization of the Work by Owner;
  6. include testing and startup; and
  7. be maintained in effect until final payment is made unless otherwise agreed to in writing by Owner, Contractor, and Engineer with 30 days written notice to each other loss payee to whom a certificate of insurance has been issued.
- B. Owner shall purchase and maintain such equipment breakdown insurance or additional property insurance as may be required by the Supplementary Conditions or Laws and Regulations which will include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as a loss payee.
- C. All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with this Paragraph 5.06 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other loss payee to whom a certificate of insurance has been issued and will contain waiver provisions in accordance with Paragraph 5.07.
- D. Owner shall not be responsible for purchasing and maintaining any property insurance specified in this Paragraph 5.06 to protect the interests of Contractor, Subcontractors, or others in the Work to the extent of any deductible amounts that are identified in the Supplementary Conditions. The risk of loss within such identified deductible amount will be borne by Contractor, Subcontractors, or others suffering any such loss, and if any of them wishes property insurance coverage within the limits of such amounts, each may purchase and maintain it at the purchaser's own expense.

- E. If Contractor requests in writing that other special insurance be included in the property insurance policies provided under this Paragraph 5.06, Owner shall, if possible, include such insurance, and the cost thereof will be charged to Contractor by appropriate Change Order. Prior to commencement of the Work at the Site, Owner shall in writing advise Contractor whether or not such other insurance has been procured by Owner.

5.07 *Waiver of Rights*

- A. Owner and Contractor intend that all policies purchased in accordance with Paragraph 5.06 will protect Owner, Contractor, Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions as loss payees (and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them) in such policies and will provide primary coverage for all losses and damages caused by the perils or causes of loss covered thereby. All such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insureds or loss payees thereunder. Owner and Contractor waive all rights against each other and their respective officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them for all losses and damages caused by, arising out of or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Subcontractors and Engineer, and all other individuals or entities identified in the Supplementary Conditions as loss payees (and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them) under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner as trustee or otherwise payable under any policy so issued.
- B. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them for:
1. loss due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other perils whether or not insured by Owner; and
  2. loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by Owner during partial utilization pursuant to Paragraph 14.05, after Substantial Completion pursuant to Paragraph 14.04, or after final payment pursuant to Paragraph 14.07.
- C. Any insurance policy maintained by Owner covering any loss, damage or consequential loss referred to in Paragraph 5.07.B shall contain provisions to the effect that in the event of payment of any such loss, damage, or consequential loss, the insurers will have no rights of recovery against Contractor, Subcontractors, or Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them.

5.08 *Receipt and Application of Insurance Proceeds*

- A. Any insured loss under the policies of insurance required by Paragraph 5.06 will be adjusted with Owner and made payable to Owner as fiduciary for the loss payees, as their interests may appear, subject to the requirements of any applicable mortgage clause and of Paragraph 5.08.B. Owner shall deposit in a separate account any money so received and shall distribute it in accordance with such agreement as the parties in interest may reach. If no other special agreement is reached, the damaged Work shall be repaired or replaced, the moneys so received applied on account thereof, and the Work and the cost thereof covered by an appropriate Change Order.
- B. Owner as fiduciary shall have power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within 15 days after the occurrence of loss to Owner's exercise of this power. If such objection be made, Owner as fiduciary shall make settlement with the insurers in accordance with such agreement as the parties in interest may reach. If no such agreement among the parties in interest is reached, Owner as fiduciary shall adjust and settle the loss with the insurers and, if required in writing by any party in interest, Owner as fiduciary shall give bond for the proper performance of such duties.

5.09 *Acceptance of Bonds and Insurance; Option to Replace*

- A. If either Owner or Contractor has any objection to the coverage afforded by or other provisions of the bonds or insurance required to be purchased and maintained by the other party in accordance with Article 5 on the basis of non-conformance with the Contract Documents, the objecting party shall so notify the other party in writing within 10 days after receipt of the certificates (or other evidence requested) required by Paragraph 2.01.B. Owner and Contractor shall each provide to the other such additional information in respect of insurance provided as the other may reasonably request. If either party does not purchase or maintain all of the bonds and insurance required of such party by the Contract Documents, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage. Without prejudice to any other right or remedy, the other party may elect to obtain equivalent bonds or insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and a Change Order shall be issued to adjust the Contract Price accordingly.

5.10 *Partial Utilization, Acknowledgment of Property Insurer*

- A. If Owner finds it necessary to occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 14.05, no such use or occupancy shall commence before the insurers providing the property insurance pursuant to Paragraph 5.06 have acknowledged notice thereof and in writing effected any changes in coverage necessitated thereby. The insurers providing the property insurance shall consent by endorsement on the policy or policies, but the property insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy.

## ARTICLE 6 – CONTRACTOR’S RESPONSIBILITIES

### 6.01 *Supervision and Superintendence*

- A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Contractor shall not be responsible for the negligence of Owner or Engineer in the design or specification of a specific means, method, technique, sequence, or procedure of construction which is shown or indicated in and expressly required by the Contract Documents.
- B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who shall not be replaced without written notice to Owner and Engineer except under extraordinary circumstances.

### 6.02 *Labor; Working Hours*

- A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site.
- B. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours. Contractor will not permit the performance of Work on a Saturday, Sunday, or any legal holiday without Owner’s written consent (which will not be unreasonably withheld) given after prior written notice to Engineer.

### 6.03 *Services, Materials, and Equipment*

- A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start-up, and completion of the Work.
- B. All materials and equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications shall expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.
- C. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

#### 6.04 *Progress Schedule*

- A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.07 as it may be adjusted from time to time as provided below.
1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.07) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times. Such adjustments will comply with any provisions of the General Requirements applicable thereto.
  2. Proposed adjustments in the Progress Schedule that will change the Contract Times shall be submitted in accordance with the requirements of Article 12. Adjustments in Contract Times may only be made by a Change Order.

#### 6.05 *Substitutes and "Or-Equals"*

- A. Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or-equal" item or no substitution is permitted, other items of material or equipment or material or equipment of other Suppliers may be submitted to Engineer for review under the circumstances described below.
1. *"Or-Equal" Items:* If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for approval of proposed substitute items. For the purposes of this Paragraph 6.05.A.1, a proposed item of material or equipment will be considered functionally equal to an item so named if:
    - a. in the exercise of reasonable judgment Engineer determines that:
      - 1) it is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;
      - 2) it will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole; and
      - 3) it has a proven record of performance and availability of responsive service.
    - b. Contractor certifies that, if approved and incorporated into the Work:
      - 1) there will be no increase in cost to the Owner or increase in Contract Times; and
      - 2) it will conform substantially to the detailed requirements of the item named in the Contract Documents.

2. *Substitute Items:*

- a. If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item under Paragraph 6.05.A.1, it will be considered a proposed substitute item.
- b. Contractor shall submit sufficient information as provided below to allow Engineer to determine if the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor.
- c. The requirements for review by Engineer will be as set forth in Paragraph 6.05.A.2.d, as supplemented by the General Requirements, and as Engineer may decide is appropriate under the circumstances.
- d. Contractor shall make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application:
  - 1) shall certify that the proposed substitute item will:
    - a) perform adequately the functions and achieve the results called for by the general design,
    - b) be similar in substance to that specified, and
    - c) be suited to the same use as that specified;
  - 2) will state:
    - a) the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time,
    - b) whether use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item, and
    - c) whether incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty;
  - 3) will identify:
    - a) all variations of the proposed substitute item from that specified, and
    - b) available engineering, sales, maintenance, repair, and replacement services; and
  - 4) shall contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change.

- B. *Substitute Construction Methods or Procedures:* If a specific means, method, technique, sequence, or procedure of construction is expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The requirements for review by Engineer will be similar to those provided in Paragraph 6.05.A.2.
- C. *Engineer's Evaluation:* Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to Paragraphs 6.05.A and 6.05.B. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No "or equal" or substitute will be ordered, installed or utilized until Engineer's review is complete, which will be evidenced by a Change Order in the case of a substitute and an approved Shop Drawing for an "or equal." Engineer will advise Contractor in writing of any negative determination.
- D. *Special Guarantee:* Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.
- E. *Engineer's Cost Reimbursement:* Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor pursuant to Paragraphs 6.05.A.2 and 6.05.B. Whether or not Engineer approves a substitute so proposed or submitted by Contractor, Contractor shall reimburse Owner for the reasonable charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the reasonable charges of Engineer for making changes in the Contract Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.
- F. *Contractor's Expense:* Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense.

#### 6.06 *Concerning Subcontractors, Suppliers, and Others*

- A. Contractor shall not employ any Subcontractor, Supplier, or other individual or entity (including those acceptable to Owner as indicated in Paragraph 6.06.B), whether initially or as a replacement, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against whom Contractor has reasonable objection.
- B. If the Supplementary Conditions require the identity of certain Subcontractors, Suppliers, or other individuals or entities to be submitted to Owner in advance for acceptance by Owner by a specified date prior to the Effective Date of the Agreement, and if Contractor has submitted a list thereof in accordance with the Supplementary Conditions, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Bidding Documents or the Contract Documents) of any such Subcontractor, Supplier, or other individual or entity so identified may be revoked on the basis of reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity, and the Contract Price will be adjusted by the difference in the cost occasioned by such replacement, and an appropriate Change Order will be issued. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or

entity, whether initially or as a replacement, shall constitute a waiver of any right of Owner or Engineer to reject defective Work.

- C. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents:
1. shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other individual or entity; nor
  2. shall create any obligation on the part of Owner or Engineer to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other individual or entity except as may otherwise be required by Laws and Regulations.
- D. Contractor shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work under a direct or indirect contract with Contractor.
- E. Contractor shall require all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work to communicate with Engineer through Contractor.
- F. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.
- G. All Work performed for Contractor by a Subcontractor or Supplier will be pursuant to an appropriate agreement between Contractor and the Subcontractor or Supplier which specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. Whenever any such agreement is with a Subcontractor or Supplier who is listed as a loss payee on the property insurance provided in Paragraph 5.06, the agreement between the Contractor and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against Owner, Contractor, Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or loss payees (and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them) for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, Contractor will obtain the same.

#### 6.07 *Patent Fees and Royalties*

- A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of Owner or Engineer, its

use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by Owner in the Contract Documents.

- B. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, and its officers, directors, members, partners, employees, agents, consultants, and subcontractors from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device specified in the Contract Documents, but not identified as being subject to payment of any license fee or royalty to others required by patent rights or copyrights.
- C. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

#### 6.08 *Permits*

- A. Unless otherwise provided in the Supplementary Conditions, Contractor shall obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of opening of Bids, or, if there are no Bids, on the Effective Date of the Agreement. Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

#### 6.09 *Laws and Regulations*

- A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.
- B. If Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work. However, it shall not be Contractor's responsibility to make certain that the Specifications and Drawings are in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations under Paragraph 3.03.
- C. Changes in Laws or Regulations not known at the time of opening of Bids (or, on the Effective Date of the Agreement if there were no Bids) having an effect on the cost or time of performance of the Work shall be the subject of an adjustment in Contract Price or Contract Times. If Owner

and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

#### 6.10 *Taxes*

- A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

#### 6.11 *Use of Site and Other Areas*

##### A. *Limitation on Use of Site and Other Areas:*

1. Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site and other areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and other areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas resulting from the performance of the Work.
2. Should any claim be made by any such owner or occupant because of the performance of the Work, Contractor shall promptly settle with such other party by negotiation or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law.
3. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused by or based upon Contractor's performance of the Work.

B. *Removal of Debris During Performance of the Work:* During the progress of the Work Contractor shall keep the Site and other areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris shall conform to applicable Laws and Regulations.

C. *Cleaning:* Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

D. *Loading Structures:* Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

## 6.12 *Record Documents*

- A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, and written interpretations and clarifications in good order and annotated to show changes made during construction. These record documents together with all approved Samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference. Upon completion of the Work, these record documents, Samples, and Shop Drawings will be delivered to Engineer for Owner.

## 6.13 *Safety and Protection*

- A. Contractor shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. Such responsibility does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work, nor for compliance with applicable safety Laws and Regulations. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:
  - 1. all persons on the Site or who may be affected by the Work;
  - 2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and
  - 3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.
- B. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of Underground Facilities and other utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.
- C. Contractor shall comply with the applicable requirements of Owner's safety programs, if any. The Supplementary Conditions identify any Owner's safety programs that are applicable to the Work.
- D. Contractor shall inform Owner and Engineer of the specific requirements of Contractor's safety program with which Owner's and Engineer's employees and representatives must comply while at the Site.
- E. All damage, injury, or loss to any property referred to in Paragraph 6.13.A.2 or 6.13.A.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor (except damage or loss attributable to the fault of Drawings or Specifications or to the acts or omissions of Owner or Engineer or anyone employed by any of them, or anyone for whose acts

any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).

- F. Contractor's duties and responsibilities for safety and for protection of the Work shall continue until such time as all the Work is completed and Engineer has issued a notice to Owner and Contractor in accordance with Paragraph 14.07.B that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).

#### 6.14 *Safety Representative*

- A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

#### 6.15 *Hazard Communication Programs*

- A. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

#### 6.16 *Emergencies*

- A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

#### 6.17 *Shop Drawings and Samples*

- A. Contractor shall submit Shop Drawings and Samples to Engineer for review and approval in accordance with the accepted Schedule of Submittals (as required by Paragraph 2.07). Each submittal will be identified as Engineer may require.

##### 1. *Shop Drawings:*

- a. Submit number of copies specified in the General Requirements.
- b. Data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide and to enable Engineer to review the information for the limited purposes required by Paragraph 6.17.D.

##### 2. *Samples:*

- a. Submit number of Samples specified in the Specifications.

- b. Clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the submittal for the limited purposes required by Paragraph 6.17.D.
- B. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals, any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

C. *Submittal Procedures:*

1. Before submitting each Shop Drawing or Sample, Contractor shall have:
  - a. reviewed and coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents;
  - b. determined and verified all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;
  - c. determined and verified the suitability of all materials offered with respect to the indicated application, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work; and
  - d. determined and verified all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto.
2. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review and approval of that submittal.
3. With each submittal, Contractor shall give Engineer specific written notice of any variations that the Shop Drawing or Sample may have from the requirements of the Contract Documents. This notice shall be both a written communication separate from the Shop Drawings or Sample submittal; and, in addition, by a specific notation made on each Shop Drawing or Sample submitted to Engineer for review and approval of each such variation.

D. *Engineer's Review:*

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the Schedule of Submittals acceptable to Engineer. Engineer's review and approval will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.
2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the

Contract Documents) or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.

3. Engineer's review and approval shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 6.17.C.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer's review and approval shall not relieve Contractor from responsibility for complying with the requirements of Paragraph 6.17.C.1.

E. *Resubmittal Procedures:*

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

6.18 *Continuing the Work*

- A. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or disagreements with Owner. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted by Paragraph 15.04 or as Owner and Contractor may otherwise agree in writing.

6.19 *Contractor's General Warranty and Guarantee*

- A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its officers, directors, members, partners, employees, agents, consultants, and subcontractors shall be entitled to rely on representation of Contractor's warranty and guarantee.
- B. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:
  1. abuse, modification, or improper maintenance or operation by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or
  2. normal wear and tear under normal usage.
- C. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:
  1. observations by Engineer;
  2. recommendation by Engineer or payment by Owner of any progress or final payment;

3. the issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;
4. use or occupancy of the Work or any part thereof by Owner;
5. any review and approval of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by Engineer;
6. any inspection, test, or approval by others; or
7. any correction of defective Work by Owner.

#### 6.20 *Indemnification*

- A. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work or anyone for whose acts any of them may be liable .
- B. In any and all claims against Owner or Engineer or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 6.20.A shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.
- C. The indemnification obligations of Contractor under Paragraph 6.20.A shall not extend to the liability of Engineer and Engineer's officers, directors, members, partners, employees, agents, consultants and subcontractors arising out of:
  1. the preparation or approval of, or the failure to prepare or approve maps, Drawings, opinions, reports, surveys, Change Orders, designs, or Specifications; or
  2. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage.

## 6.21 *Delegation of Professional Design Services*

- A. Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable law.
- B. If professional design services or certifications by a design professional related to systems, materials or equipment are specifically required of Contractor by the Contract Documents, Owner and Engineer will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to Engineer.
- C. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, provided Owner and Engineer have specified to Contractor all performance and design criteria that such services must satisfy.
- D. Pursuant to this Paragraph 6.21, Engineer's review and approval of design calculations and design drawings will be only for the limited purpose of checking for conformance with performance and design criteria given and the design concept expressed in the Contract Documents. Engineer's review and approval of Shop Drawings and other submittals (except design calculations and design drawings) will be only for the purpose stated in Paragraph 6.17.D.1.
- E. Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.

## **ARTICLE 7 – OTHER WORK AT THE SITE**

### 7.01 *Related Work at Site*

- A. Owner may perform other work related to the Project at the Site with Owner's employees, or through other direct contracts therefor, or have other work performed by utility owners. If such other work is not noted in the Contract Documents, then:
  - 1. written notice thereof will be given to Contractor prior to starting any such other work; and
  - 2. if Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times that should be allowed as a result of such other work, a Claim may be made therefor as provided in Paragraph 10.05.
- B. Contractor shall afford each other contractor who is a party to such a direct contract, each utility owner, and Owner, if Owner is performing other work with Owner's employees, proper and safe

access to the Site, provide a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work, and properly coordinate the Work with theirs. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering such work; provided, however, that Contractor may cut or alter others' work with the written consent of Engineer and the others whose work will be affected. The duties and responsibilities of Contractor under this Paragraph are for the benefit of such utility owners and other contractors to the extent that there are comparable provisions for the benefit of Contractor in said direct contracts between Owner and such utility owners and other contractors.

- C. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 7, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

#### 7.02 *Coordination*

- A. If Owner intends to contract with others for the performance of other work on the Project at the Site, the following will be set forth in Supplementary Conditions:
  - 1. the individual or entity who will have authority and responsibility for coordination of the activities among the various contractors will be identified;
  - 2. the specific matters to be covered by such authority and responsibility will be itemized; and
  - 3. the extent of such authority and responsibilities will be provided.
- B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

#### 7.03 *Legal Relationships*

- A. Paragraphs 7.01.A and 7.02 are not applicable for utilities not under the control of Owner.
- B. Each other direct contract of Owner under Paragraph 7.01.A shall provide that the other contractor is liable to Owner and Contractor for the reasonable direct delay and disruption costs incurred by Contractor as a result of the other contractor's wrongful actions or inactions.
- C. Contractor shall be liable to Owner and any other contractor under direct contract to Owner for the reasonable direct delay and disruption costs incurred by such other contractor as a result of Contractor's wrongful action or inactions.

## ARTICLE 8 – OWNER’S RESPONSIBILITIES

### 8.01 *Communications to Contractor*

- A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

### 8.02 *Replacement of Engineer*

- A. In case of termination of the employment of Engineer, Owner shall appoint an engineer to whom Contractor makes no reasonable objection, whose status under the Contract Documents shall be that of the former Engineer.

### 8.03 *Furnish Data*

- A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

### 8.04 *Pay When Due*

- A. Owner shall make payments to Contractor when they are due as provided in Paragraphs 14.02.C and 14.07.C.

### 8.05 *Lands and Easements; Reports and Tests*

- A. Owner’s duties with respect to providing lands and easements and providing engineering surveys to establish reference points are set forth in Paragraphs 4.01 and 4.05. Paragraph 4.02 refers to Owner’s identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions and drawings of physical conditions relating to existing surface or subsurface structures at the Site.

### 8.06 *Insurance*

- A. Owner’s responsibilities, if any, with respect to purchasing and maintaining liability and property insurance are set forth in Article 5.

### 8.07 *Change Orders*

- A. Owner is obligated to execute Change Orders as indicated in Paragraph 10.03.

### 8.08 *Inspections, Tests, and Approvals*

- A. Owner’s responsibility with respect to certain inspections, tests, and approvals is set forth in Paragraph 13.03.B.

### 8.09 *Limitations on Owner’s Responsibilities*

- A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor’s means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws

and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

8.10 *Undisclosed Hazardous Environmental Condition*

A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 4.06.

8.11 *Evidence of Financial Arrangements*

A. Upon request of Contractor, Owner shall furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract Documents.

8.12 *Compliance with Safety Program*

A. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed pursuant to Paragraph 6.13.D.

**ARTICLE 9 – ENGINEER'S STATUS DURING CONSTRUCTION**

9.01 *Owner's Representative*

A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract Documents.

9.02 *Visits to Site*

A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 9.09. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work, Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

9.03 *Project Representative*

- A. If Owner and Engineer agree, Engineer will furnish a Resident Project Representative to assist Engineer in providing more extensive observation of the Work. The authority and responsibilities of any such Resident Project Representative and assistants will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in Paragraph 9.09. If Owner designates another representative or agent to represent Owner at the Site who is not Engineer's consultant, agent or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in the Supplementary Conditions.

9.04 *Authorized Variations in Work*

- A. Engineer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. These may be accomplished by a Field Order and will be binding on Owner and also on Contractor, who shall perform the Work involved promptly. If Owner or Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, or both, and the parties are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

9.05 *Rejecting Defective Work*

- A. Engineer will have authority to reject Work which Engineer believes to be defective, or that Engineer believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer will also have authority to require special inspection or testing of the Work as provided in Paragraph 13.04, whether or not the Work is fabricated, installed, or completed.

9.06 *Shop Drawings, Change Orders and Payments*

- A. In connection with Engineer's authority, and limitations thereof, as to Shop Drawings and Samples, see Paragraph 6.17.
- B. In connection with Engineer's authority, and limitations thereof, as to design calculations and design drawings submitted in response to a delegation of professional design services, if any, see Paragraph 6.21.
- C. In connection with Engineer's authority as to Change Orders, see Articles 10, 11, and 12.
- D. In connection with Engineer's authority as to Applications for Payment, see Article 14.

9.07 *Determinations for Unit Price Work*

- A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations

on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, subject to the provisions of Paragraph 10.05.

9.08 *Decisions on Requirements of Contract Documents and Acceptability of Work*

- A. Engineer will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. All matters in question and other matters between Owner and Contractor arising prior to the date final payment is due relating to the acceptability of the Work, and the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, will be referred initially to Engineer in writing within 30 days of the event giving rise to the question.
- B. Engineer will, with reasonable promptness, render a written decision on the issue referred. If Owner or Contractor believes that any such decision entitles them to an adjustment in the Contract Price or Contract Times or both, a Claim may be made under Paragraph 10.05. The date of Engineer's decision shall be the date of the event giving rise to the issues referenced for the purposes of Paragraph 10.05.B.
- C. Engineer's written decision on the issue referred will be final and binding on Owner and Contractor, subject to the provisions of Paragraph 10.05.
- D. When functioning as interpreter and judge under this Paragraph 9.08, Engineer will not show partiality to Owner or Contractor and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity.

9.09 *Limitations on Engineer's Authority and Responsibilities*

- A. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract Documents nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.
- B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.
- C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.
- D. Engineer's review of the final Application for Payment and accompanying documentation and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Paragraph 14.07.A will only be to determine generally that their content complies with the requirements of,

and in the case of certificates of inspections, tests, and approvals that the results certified indicate compliance with, the Contract Documents.

- E. The limitations upon authority and responsibility set forth in this Paragraph 9.09 shall also apply to the Resident Project Representative, if any, and assistants, if any.

#### 9.10 *Compliance with Safety Program*

- A. While at the Site, Engineer's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Engineer has been informed pursuant to Paragraph 6.13.D.

### **ARTICLE 10 – CHANGES IN THE WORK; CLAIMS**

#### 10.01 *Authorized Changes in the Work*

- A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work by a Change Order, or a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).
- B. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of a Work Change Directive, a Claim may be made therefor as provided in Paragraph 10.05.

#### 10.02 *Unauthorized Changes in the Work*

- A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents as amended, modified, or supplemented as provided in Paragraph 3.04, except in the case of an emergency as provided in Paragraph 6.16 or in the case of uncovering Work as provided in Paragraph 13.04.D.

#### 10.03 *Execution of Change Orders*

- A. Owner and Contractor shall execute appropriate Change Orders recommended by Engineer covering:
  - 1. changes in the Work which are: (i) ordered by Owner pursuant to Paragraph 10.01.A, (ii) required because of acceptance of defective Work under Paragraph 13.08.A or Owner's correction of defective Work under Paragraph 13.09, or (iii) agreed to by the parties;
  - 2. changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive; and
  - 3. changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by Engineer pursuant to Paragraph 10.05; provided that, in lieu of

executing any such Change Order, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the Progress Schedule as provided in Paragraph 6.18.A.

#### 10.04 *Notification to Surety*

- A. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

#### 10.05 *Claims*

- A. *Engineer's Decision Required:* All Claims, except those waived pursuant to Paragraph 14.09, shall be referred to the Engineer for decision. A decision by Engineer shall be required as a condition precedent to any exercise by Owner or Contractor of any rights or remedies either may otherwise have under the Contract Documents or by Laws and Regulations in respect of such Claims.
- B. *Notice:* Written notice stating the general nature of each Claim shall be delivered by the claimant to Engineer and the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto. The responsibility to substantiate a Claim shall rest with the party making the Claim. Notice of the amount or extent of the Claim, with supporting data shall be delivered to the Engineer and the other party to the Contract within 60 days after the start of such event (unless Engineer allows additional time for claimant to submit additional or more accurate data in support of such Claim). A Claim for an adjustment in Contract Price shall be prepared in accordance with the provisions of Paragraph 12.01.B. A Claim for an adjustment in Contract Times shall be prepared in accordance with the provisions of Paragraph 12.02.B. Each Claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to Engineer and the claimant within 30 days after receipt of the claimant's last submittal (unless Engineer allows additional time).
- C. *Engineer's Action:* Engineer will review each Claim and, within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any, take one of the following actions in writing:
  - 1. deny the Claim in whole or in part;
  - 2. approve the Claim; or
  - 3. notify the parties that the Engineer is unable to resolve the Claim if, in the Engineer's sole discretion, it would be inappropriate for the Engineer to do so. For purposes of further resolution of the Claim, such notice shall be deemed a denial.
- D. In the event that Engineer does not take action on a Claim within said 30 days, the Claim shall be deemed denied.

- E. Engineer's written action under Paragraph 10.05.C or denial pursuant to Paragraphs 10.05.C.3 or 10.05.D will be final and binding upon Owner and Contractor, unless Owner or Contractor invoke the dispute resolution procedure set forth in Article 16 within 30 days of such action or denial.
- F. No Claim for an adjustment in Contract Price or Contract Times will be valid if not submitted in accordance with this Paragraph 10.05.

## **ARTICLE 11 – COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK**

### *11.01 Cost of the Work*

- A. *Costs Included:* The term Cost of the Work means the sum of all costs, except those excluded in Paragraph 11.01.B, necessarily incurred and paid by Contractor in the proper performance of the Work. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, the costs to be reimbursed to Contractor will be only those additional or incremental costs required because of the change in the Work or because of the event giving rise to the Claim. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall not include any of the costs itemized in Paragraph 11.01.B, and shall include only the following items:
  - 1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor. Such employees shall include, without limitation, superintendents, foremen, and other personnel employed full time on the Work. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits, which shall include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, shall be included in the above to the extent authorized by Owner.
  - 2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts shall accrue to Owner. All trade discounts, rebates and refunds and returns from sale of surplus materials and equipment shall accrue to Owner, and Contractor shall make provisions so that they may be obtained.
  - 3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and Contractor and shall deliver such bids to Owner, who will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee shall be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 11.01.

4. Costs of special consultants (including but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for services specifically related to the Work.
5. Supplemental costs including the following:
  - a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.
  - b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, and hand tools not owned by the workers, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.
  - c. Rentals of all construction equipment and machinery, and the parts thereof whether rented from Contractor or others in accordance with rental agreements approved by Owner with the advice of Engineer, and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs shall be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work.
  - d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, as imposed by Laws and Regulations.
  - e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
  - f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of property insurance established in accordance with Paragraph 5.06.D), provided such losses and damages have resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses shall be included in the Cost of the Work for the purpose of determining Contractor's fee.
  - g. The cost of utilities, fuel, and sanitary facilities at the Site.
  - h. Minor expenses such as telegrams, long distance telephone calls, telephone service at the Site, express and courier services, and similar petty cash items in connection with the Work.
  - i. The costs of premiums for all bonds and insurance Contractor is required by the Contract Documents to purchase and maintain.

B. *Costs Excluded:* The term Cost of the Work shall not include any of the following items:

1. Payroll costs and other compensation of Contractor's officers, executives, principals (of partnerships and sole proprietorships), general managers, safety managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 11.01.A.1 or specifically covered by Paragraph 11.01.A.4, all of which are to be considered administrative costs covered by the Contractor's fee.
  2. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.
  3. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.
  4. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.
  5. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraphs 11.01.A.
- C. *Contractor's Fee:* When all the Work is performed on the basis of cost-plus, Contractor's fee shall be determined as set forth in the Agreement. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, Contractor's fee shall be determined as set forth in Paragraph 12.01.C.
- D. *Documentation:* Whenever the Cost of the Work for any purpose is to be determined pursuant to Paragraphs 11.01.A and 11.01.B, Contractor will establish and maintain records thereof in accordance with generally accepted accounting practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data.

## 11.02 Allowances

- A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.
- B. *Cash Allowances:*
1. Contractor agrees that:
    - a. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and
    - b. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in

the Contract Price and not in the allowances, and no demand for additional payment on account of any of the foregoing will be valid.

C. *Contingency Allowance:*

1. Contractor agrees that a contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.

D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

11.03 *Unit Price Work*

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.

B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by Engineer subject to the provisions of Paragraph 9.07.

C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

D. Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with Paragraph 10.05 if:

1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and
2. there is no corresponding adjustment with respect to any other item of Work; and
3. Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.

**ARTICLE 12 – CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES**

12.01 *Change of Contract Price*

A. The Contract Price may only be changed by a Change Order. Any Claim for an adjustment in the Contract Price shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

- B. The value of any Work covered by a Change Order or of any Claim for an adjustment in the Contract Price will be determined as follows:
1. where the Work involved is covered by unit prices contained in the Contract Documents, by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 11.03); or
  2. where the Work involved is not covered by unit prices contained in the Contract Documents, by a mutually agreed lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 12.01.C.2); or
  3. where the Work involved is not covered by unit prices contained in the Contract Documents and agreement to a lump sum is not reached under Paragraph 12.01.B.2, on the basis of the Cost of the Work (determined as provided in Paragraph 11.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 12.01.C).
- C. *Contractor's Fee*: The Contractor's fee for overhead and profit shall be determined as follows:
1. a mutually acceptable fixed fee; or
  2. if a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:
    - a. for costs incurred under Paragraphs 11.01.A.1 and 11.01.A.2, the Contractor's fee shall be 15 percent;
    - b. for costs incurred under Paragraph 11.01.A.3, the Contractor's fee shall be five percent;
    - c. where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraphs 12.01.C.2.a and 12.01.C.2.b is that the Subcontractor who actually performs the Work, at whatever tier, will be paid a fee of 15 percent of the costs incurred by such Subcontractor under Paragraphs 11.01.A.1 and 11.01.A.2 and that any higher tier Subcontractor and Contractor will each be paid a fee of five percent of the amount paid to the next lower tier Subcontractor;
    - d. no fee shall be payable on the basis of costs itemized under Paragraphs 11.01.A.4, 11.01.A.5, and 11.01.B;
    - e. the amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in cost will be the amount of the actual net decrease in cost plus a deduction in Contractor's fee by an amount equal to five percent of such net decrease; and
    - f. when both additions and credits are involved in any one change, the adjustment in Contractor's fee shall be computed on the basis of the net change in accordance with Paragraphs 12.01.C.2.a through 12.01.C.2.e, inclusive.

## 12.02 *Change of Contract Times*

- A. The Contract Times may only be changed by a Change Order. Any Claim for an adjustment in the Contract Times shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.
- B. Any adjustment of the Contract Times covered by a Change Order or any Claim for an adjustment in the Contract Times will be determined in accordance with the provisions of this Article 12.

## 12.03 *Delays*

- A. Where Contractor is prevented from completing any part of the Work within the Contract Times due to delay beyond the control of Contractor, the Contract Times will be extended in an amount equal to the time lost due to such delay if a Claim is made therefor as provided in Paragraph 12.02.A. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, floods, epidemics, abnormal weather conditions, or acts of God.
- B. If Owner, Engineer, or other contractors or utility owners performing other work for Owner as contemplated by Article 7, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times, or both. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.
- C. If Contractor is delayed in the performance or progress of the Work by fire, flood, epidemic, abnormal weather conditions, acts of God, acts or failures to act of utility owners not under the control of Owner, or other causes not the fault of and beyond control of Owner and Contractor, then Contractor shall be entitled to an equitable adjustment in Contract Times, if such adjustment is essential to Contractor's ability to complete the Work within the Contract Times. Such an adjustment shall be Contractor's sole and exclusive remedy for the delays described in this Paragraph 12.03.C.
- D. Owner, Engineer, and their officers, directors, members, partners, employees, agents, consultants, or subcontractors shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.
- E. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

## **ARTICLE 13 – TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK**

### *13.01 Notice of Defects*

- A. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor. Defective Work may be rejected, corrected, or accepted as provided in this Article 13.

### *13.02 Access to Work*

- A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and governmental agencies with jurisdictional interests will have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's safety procedures and programs so that they may comply therewith as applicable.

### *13.03 Tests and Inspections*

- A. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.
- B. Owner shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by the Contract Documents except:
  - 1. for inspections, tests, or approvals covered by Paragraphs 13.03.C and 13.03.D below;
  - 2. that costs incurred in connection with tests or inspections conducted pursuant to Paragraph 13.04.B shall be paid as provided in Paragraph 13.04.C; and
  - 3. as otherwise specifically provided in the Contract Documents.
- C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.
- D. Contractor shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to Owner and Engineer.
- E. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation.

- F. Uncovering Work as provided in Paragraph 13.03.E shall be at Contractor's expense unless Contractor has given Engineer timely notice of Contractor's intention to cover the same and Engineer has not acted with reasonable promptness in response to such notice.

#### 13.04 *Uncovering Work*

- A. If any Work is covered contrary to the written request of Engineer, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.
- B. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, furnishing all necessary labor, material, and equipment.
- C. If it is found that the uncovered Work is defective, Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05.
- D. If the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

#### 13.05 *Owner May Stop the Work*

- A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

#### 13.06 *Correction or Removal of Defective Work*

- A. Promptly after receipt of written notice, Contractor shall correct all defective Work, whether or not fabricated, installed, or completed, or, if the Work has been rejected by Engineer, remove it from the Project and replace it with Work that is not defective. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or removal (including but not limited to all costs of repair or replacement of work of others).

- B. When correcting defective Work under the terms of this Paragraph 13.06 or Paragraph 13.07, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.

### 13.07 *Correction Period*

- A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents) or by any specific provision of the Contract Documents, any Work is found to be defective, or if the repair of any damages to the land or areas made available for Contractor's use by Owner or permitted by Laws and Regulations as contemplated in Paragraph 6.11.A is found to be defective, Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:
1. repair such defective land or areas; or
  2. correct such defective Work; or
  3. if the defective Work has been rejected by Owner, remove it from the Project and replace it with Work that is not defective, and
  4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others or other land or areas resulting therefrom.
- B. If Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others) will be paid by Contractor.
- C. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications.
- D. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this Paragraph 13.07, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.
- E. Contractor's obligations under this Paragraph 13.07 are in addition to any other obligation or warranty. The provisions of this Paragraph 13.07 shall not be construed as a substitute for, or a waiver of, the provisions of any applicable statute of limitation or repose.

### 13.08 *Acceptance of Defective Work*

- A. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, Engineer) prefers to accept it, Owner may do so. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness) and for the diminished value of the Work to the extent not otherwise paid by Contractor pursuant to this sentence. If any such acceptance occurs prior to Engineer's recommendation of final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work, and Owner shall be entitled to an appropriate decrease in the Contract Price, reflecting the diminished value of Work so accepted. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner.

### 13.09 *Owner May Correct Defective Work*

- A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work, or to remove and replace rejected Work as required by Engineer in accordance with Paragraph 13.06.A, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, Owner may, after seven days written notice to Contractor, correct, or remedy any such deficiency.
- B. In exercising the rights and remedies under this Paragraph 13.09, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, take possession of Contractor's tools, appliances, construction equipment and machinery at the Site, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this Paragraph.
- C. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 13.09 will be charged against Contractor, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, Owner may make a Claim therefor as provided in Paragraph 10.05. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

- D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 13.09.

## **ARTICLE 14 – PAYMENTS TO CONTRACTOR AND COMPLETION**

### *14.01 Schedule of Values*

- A. The Schedule of Values established as provided in Paragraph 2.07.A will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed.

### *14.02 Progress Payments*

#### *A. Applications for Payments:*

1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens and evidence that the materials and equipment are covered by appropriate property insurance or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.
2. Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment.
3. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

#### *B. Review of Applications:*

1. Engineer will, within 10 days after receipt of each Application for Payment, either indicate in writing a recommendation of payment and present the Application to Owner or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.
2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations of the executed Work as an experienced and qualified design professional, and on Engineer's

review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:

- a. the Work has progressed to the point indicated;
  - b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, the results of any subsequent tests called for in the Contract Documents, a final determination of quantities and classifications for Unit Price Work under Paragraph 9.07, and any other qualifications stated in the recommendation); and
  - c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.
3. By recommending any such payment Engineer will not thereby be deemed to have represented that:
- a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract Documents; or
  - b. there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.
4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:
- a. to supervise, direct, or control the Work, or
  - b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or
  - c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work, or
  - d. to make any examination to ascertain how or for what purposes Contractor has used the moneys paid on account of the Contract Price, or
  - e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.
5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 14.02.B.2. Engineer may also refuse to recommend any such payment or, because of subsequently discovered evidence or the results of subsequent inspections or tests, revise or revoke any such payment recommendation previously made, to such extent as may be necessary in Engineer's opinion to protect Owner from loss because:

- a. the Work is defective, or completed Work has been damaged, requiring correction or replacement;
- b. the Contract Price has been reduced by Change Orders;
- c. Owner has been required to correct defective Work or complete Work in accordance with Paragraph 13.09; or
- d. Engineer has actual knowledge of the occurrence of any of the events enumerated in Paragraph 15.02.A.

C. *Payment Becomes Due:*

1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by Owner to Contractor.

D. *Reduction in Payment:*

1. Owner may refuse to make payment of the full amount recommended by Engineer because:
  - a. claims have been made against Owner on account of Contractor's performance or furnishing of the Work;
  - b. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens;
  - c. there are other items entitling Owner to a set-off against the amount recommended; or
  - d. Owner has actual knowledge of the occurrence of any of the events enumerated in Paragraphs 14.02.B.5.a through 14.02.B.5.c or Paragraph 15.02.A.
2. If Owner refuses to make payment of the full amount recommended by Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, when Contractor remedies the reasons for such action.
3. Upon a subsequent determination that Owner's refusal of payment was not justified, the amount wrongfully withheld shall be treated as an amount due as determined by Paragraph 14.02.C.1 and subject to interest as provided in the Agreement.

14.03 *Contractor's Warranty of Title*

- A. Contractor warrants and guarantees that title to all Work, materials, and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to Owner no later than the time of payment free and clear of all Liens.

#### 14.04 *Substantial Completion*

- A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete (except for items specifically listed by Contractor as incomplete) and request that Engineer issue a certificate of Substantial Completion.
- B. Promptly after Contractor's notification, Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.
- C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a tentative certificate of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a tentative list of items to be completed or corrected before final payment. Owner shall have seven days after receipt of the tentative certificate during which to make written objection to Engineer as to any provisions of the certificate or attached list. If, after considering such objections, Engineer concludes that the Work is not substantially complete, Engineer will, within 14 days after submission of the tentative certificate to Owner, notify Contractor in writing, stating the reasons therefor. If, after consideration of Owner's objections, Engineer considers the Work substantially complete, Engineer will, within said 14 days, execute and deliver to Owner and Contractor a definitive certificate of Substantial Completion (with a revised tentative list of items to be completed or corrected) reflecting such changes from the tentative certificate as Engineer believes justified after consideration of any objections from Owner.
- D. At the time of delivery of the tentative certificate of Substantial Completion, Engineer will deliver to Owner and Contractor a written recommendation as to division of responsibilities pending final payment between Owner and Contractor with respect to security, operation, safety, and protection of the Work, maintenance, heat, utilities, insurance, and warranties and guarantees. Unless Owner and Contractor agree otherwise in writing and so inform Engineer in writing prior to Engineer's issuing the definitive certificate of Substantial Completion, Engineer's aforesaid recommendation will be binding on Owner and Contractor until final payment.
- E. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to remove its property and complete or correct items on the tentative list.

#### 14.05 *Partial Utilization*

- A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions:

1. Owner at any time may request Contractor in writing to permit Owner to use or occupy any such part of the Work which Owner believes to be ready for its intended use and substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor, Owner, and Engineer will follow the procedures of Paragraph 14.04.A through D for that part of the Work.
2. Contractor at any time may notify Owner and Engineer in writing that Contractor considers any such part of the Work ready for its intended use and substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.
3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 14.04 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.
4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 5.10 regarding property insurance.

#### 14.06 *Final Inspection*

- A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

#### 14.07 *Final Payment*

##### A. *Application for Payment:*

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, marked-up record documents (as provided in Paragraph 6.12), and other documents, Contractor may make application for final payment following the procedure for progress payments.
2. The final Application for Payment shall be accompanied (except as previously delivered) by:
  - a. all documentation called for in the Contract Documents, including but not limited to the evidence of insurance required by Paragraph 5.04.B.6;
  - b. consent of the surety, if any, to final payment;
  - c. a list of all Claims against Owner that Contractor believes are unsettled; and

- d. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of or Liens filed in connection with the Work.
3. In lieu of the releases or waivers of Liens specified in Paragraph 14.07.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (i) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (ii) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner might in any way be responsible, or which might in any way result in liens or other burdens on Owner's property, have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien.

*B. Engineer's Review of Application and Acceptance:*

1. If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract Documents have been fulfilled, Engineer will, within ten days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of payment and present the Application for Payment to Owner for payment. At the same time Engineer will also give written notice to Owner and Contractor that the Work is acceptable subject to the provisions of Paragraph 14.09. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

*C. Payment Becomes Due:*

1. Thirty days after the presentation to Owner of the Application for Payment and accompanying documentation, the amount recommended by Engineer, less any sum Owner is entitled to set off against Engineer's recommendation, including but not limited to liquidated damages, will become due and will be paid by Owner to Contractor.

*14.08 Final Completion Delayed*

- A. If, through no fault of Contractor, final completion of the Work is significantly delayed, and if Engineer so confirms, Owner shall, upon receipt of Contractor's final Application for Payment (for Work fully completed and accepted) and recommendation of Engineer, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by Owner for Work not fully completed or corrected is less than the retainage stipulated in the Agreement, and if bonds have been furnished as required in Paragraph 5.01, the written consent of the surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by Contractor to Engineer with the Application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

#### 14.09 *Waiver of Claims*

- A. The making and acceptance of final payment will constitute:
1. a waiver of all Claims by Owner against Contractor, except Claims arising from unsettled Liens, from defective Work appearing after final inspection pursuant to Paragraph 14.06, from failure to comply with the Contract Documents or the terms of any special guarantees specified therein, or from Contractor's continuing obligations under the Contract Documents; and
  2. a waiver of all Claims by Contractor against Owner other than those previously made in accordance with the requirements herein and expressly acknowledged by Owner in writing as still unsettled.

### **ARTICLE 15 – SUSPENSION OF WORK AND TERMINATION**

#### 15.01 *Owner May Suspend Work*

- A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by notice in writing to Contractor and Engineer which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be granted an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension if Contractor makes a Claim therefor as provided in Paragraph 10.05.

#### 15.02 *Owner May Terminate for Cause*

- A. The occurrence of any one or more of the following events will justify termination for cause:
1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the Progress Schedule established under Paragraph 2.07 as adjusted from time to time pursuant to Paragraph 6.04);
  2. Contractor's disregard of Laws or Regulations of any public body having jurisdiction;
  3. Contractor's repeated disregard of the authority of Engineer; or
  4. Contractor's violation in any substantial way of any provisions of the Contract Documents.
- B. If one or more of the events identified in Paragraph 15.02.A occur, Owner may, after giving Contractor (and surety) seven days written notice of its intent to terminate the services of Contractor:
1. exclude Contractor from the Site, and take possession of the Work and of all Contractor's tools, appliances, construction equipment, and machinery at the Site, and use the same to the full extent they could be used by Contractor (without liability to Contractor for trespass or conversion);

2. incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere; and
  3. complete the Work as Owner may deem expedient.
- C. If Owner proceeds as provided in Paragraph 15.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Owner arising out of or relating to completing the Work, such excess will be paid to Contractor. If such claims, costs, losses, and damages exceed such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this Paragraph, Owner shall not be required to obtain the lowest price for the Work performed.
- D. Notwithstanding Paragraphs 15.02.B and 15.02.C, Contractor's services will not be terminated if Contractor begins within seven days of receipt of notice of intent to terminate to correct its failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt of said notice.
- E. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue. Any retention or payment of moneys due Contractor by Owner will not release Contractor from liability.
- F. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 5.01.A, the termination procedures of that bond shall supersede the provisions of Paragraphs 15.02.B and 15.02.C.

### 15.03 *Owner May Terminate For Convenience*

- A. Upon seven days written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):
1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;
  2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses;
  3. all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other

dispute resolution costs) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and

4. reasonable expenses directly attributable to termination.

B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

#### 15.04 *Contractor May Stop Work or Terminate*

A. If, through no act or fault of Contractor, (i) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (ii) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (iii) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the Contract and recover from Owner payment on the same terms as provided in Paragraph 15.03.

B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, seven days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this Paragraph 15.04 are not intended to preclude Contractor from making a Claim under Paragraph 10.05 for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this Paragraph.

### **ARTICLE 16 – DISPUTE RESOLUTION**

#### 16.01 *Methods and Procedures*

A. Either Owner or Contractor may request mediation of any Claim submitted to Engineer for a decision under Paragraph 10.05 before such decision becomes final and binding. The mediation will be governed by the Construction Industry Mediation Rules of the American Arbitration Association in effect as of the Effective Date of the Agreement. The request for mediation shall be submitted in writing to the American Arbitration Association and the other party to the Contract. Timely submission of the request shall stay the effect of Paragraph 10.05.E.

B. Owner and Contractor shall participate in the mediation process in good faith. The process shall be concluded within 60 days of filing of the request. The date of termination of the mediation shall be determined by application of the mediation rules referenced above.

C. If the Claim is not resolved by mediation, Engineer's action under Paragraph 10.05.C or a denial pursuant to Paragraphs 10.05.C.3 or 10.05.D shall become final and binding 30 days after termination of the mediation unless, within that time period, Owner or Contractor:

1. elects in writing to invoke any dispute resolution process provided for in the Supplementary Conditions; or

2. agrees with the other party to submit the Claim to another dispute resolution process; or
3. gives written notice to the other party of the intent to submit the Claim to a court of competent jurisdiction.

## **ARTICLE 17 – MISCELLANEOUS**

### *17.01 Giving Notice*

- A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if:
  1. delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended; or
  2. delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

### *17.02 Computation of Times*

- A. When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

### *17.03 Cumulative Remedies*

- A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract Documents. The provisions of this Paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

### *17.04 Survival of Obligations*

- A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

### *17.05 Controlling Law*

- A. This Contract is to be governed by the law of the state in which the Project is located.

### *17.06 Headings*

- A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

## Supplementary Conditions

These Supplementary Conditions amend or supplement the Standard General Conditions of the Construction Contract, EJCDC C-700 (2007 Edition). All provisions which are not so amended or supplemented remain in full force and effect.

The terms used in these Supplementary Conditions have the meanings stated in the General Conditions. Additional terms used in these Supplementary Conditions have the meanings stated below, which are applicable to both the singular and plural thereof.

The address system used in these Supplementary Conditions is the same as the address system used in the General Conditions, with the prefix "SC" added thereto.

### SC-2.02 *Copies of Documents*

**SC-2.02** Delete Paragraph 2.02.A in its entirety and insert the following in its place:

- A.** Owner shall furnish to Contractor up to 5 printed or hard copies of the Drawings and Project Manual. Additional copies will be furnished upon request at the cost of reproduction.

### SC-4.02 *Subsurface and Physical Conditions*

**SC-4.02** Add the following new paragraphs immediately after Paragraph 4.02.

**B: Not Used**

### SC-4.06 *Hazardous Environmental Conditions*

**SC-4.06** Delete Paragraphs 4.06.A and 4.06.B in their entirety and insert the following:

- A.** No reports or drawings related to Hazardous Environmental Conditions at the Site are known to Owner.

**B. Not Used.**

### SC-5.04 *Contractor's Liability Insurance*

**SC-5.04** Add the following new paragraph immediately after Paragraph 5.04.B:

- C** The limits of liability for the insurance required by Paragraph 5.04 of the General Conditions shall provide coverage for not less than

the following amounts or greater where required by Laws and Regulations:

**1. Workers' Compensation, and related coverages under Paragraphs 5.04.A.1 and A.2 of the General Conditions:**

- a. State: Statutory
- b. Applicable Federal (e.g., Longshoreman's): Statutory
- c. Employer's Liability:  
Each Accident \$1,000,000

**2. Contractor's General Liability under Paragraphs 5.04.A.3 through A.6 of the General Conditions which shall include completed operations and product liability coverages and eliminate the exclusion with respect to property under the care, custody and control of Contractor:**

- a. General Aggregate \$2,000,000
- b. Products - Completed Operations Aggregate \$2,000,000
- c. Personal and Advertising Injury \$1,000,000
- d. Each Occurrence (Bodily Injury and Property Damage) \$1,000,000
- e. Fire Damage Limit \$50,000 any one fire
- f. Medical Damage Limit \$5,000 any one person
- g. Excess or Umbrella Liability
  - General Aggregate \$3,000,000

**3. Automobile Liability under Paragraph 5.04.A.6 of the General Conditions:**

- a. Combined Single Limit of \$1,000,000

SC-5.06 *Property Insurance*

**SC-5.06.A. Delete Paragraph 5.06.A in its entirety and insert the following in its place:**

- A. Contractor shall purchase and maintain property insurance upon the Work at the Site in the amount of the full replacement cost thereof. Contractor shall be responsible for any deductible or self-insured retention. This insurance shall:**
- 1. include the interests of Owner, Contractor, Subcontractors, Engineer, and the officers, directors, partners, employees, agents and other consultants and subcontractors of any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or loss payee;**
  - 2. be written on a Builder's Risk "all-risk" policy form that shall at least include insurance for physical loss and damage to the Work, temporary buildings, falsework, and materials and equipment in transit and shall insure against at least the following perils or causes of loss: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage (other than that caused by flood), and such other perils or causes of loss as may be specifically required by these Supplementary Conditions.**
  - 3. include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);**
  - 4. cover materials and equipment stored at the Site or at another location that was agreed to in writing by Owner prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment recommended by Engineer;**
  - 5. allow for partial utilization of the Work by Owner;**
  - 6. include testing and startup;**
  - 7. be maintained in effect until final payment is made unless otherwise agreed to in writing by Owner, Contractor, and Engineer with 30 days written notice to each other loss payee to whom a certificate of insurance has been issued; and**
  - 8. comply with the requirements of Paragraph 5.06.C of the General Conditions.**

**SC-6.08 Add the following paragraph 6.08 B. after Paragraph 6.08 A:**

**B. Contractor is responsible for complying with the requirements of permits for the project that Owner has obtained, or is in the process of obtaining (per Paragraph 6.08 A, Contractor is responsible for obtaining all other permits necessary for the project.)**

**1. Section 404 authorization: Nationwide Permit Verification, NOW-#####**

**2. Floodplain Permit: City of Seward Floodplain Development Permit**

**3. Construction Storm Water Notice of Intent (SWPPP): Contractor shall take all necessary management measures, and conduct its work to comply with the requirements and regulations of NPDES that Owner is in the process of obtaining from the Nebraska Department of Environmental Quality also in compliance with Lower Platte River Natural Resources District.**

**4. Contractor shall familiarize himself with the requirements and provisions of all necessary project permits and shall be solely responsible for implementing and maintaining all measures of these permits. To the fullest extent allowed by Laws and Regulations, the Contractor shall indemnify and hold harmless the Owner, Engineer and Engineer's Consultants, and the officers, directors, partners, employees, agents, other consultants, and subcontractors of each and any of them from and against all claims, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court, arbitration, or other dispute resolution costs) arising out of or relating to the Contractor's failure to comply with the conditions and requirements of these permits.**

SC-6.20 *Indemnification*

**SC-6.20 Delete Article 6.20.C.2 in its entirety.**

SC-9.03 *Project Representative*

**SC-9.03 Add the following new paragraphs immediately after Paragraph 9.03.A:**

**B. The Resident Project Representative (RPR) will be Engineer's employee or agent at the Site, will act as directed by and under the**

supervision of Engineer, and will confer with Engineer regarding RPR's actions. RPR's dealings in matters pertaining to the Work in general shall be with Engineer and Contractor. RPR's dealings with Subcontractors shall be through or with the full knowledge and approval of Contractor. The RPR shall:

1. ***Schedules:*** Review the progress schedule, schedule of Shop Drawing and Sample submittals, and schedule of values prepared by Contractor and consult with Engineer concerning acceptability.
2. ***Conferences and Meetings:*** Attend meetings with Contractor, such as preconstruction conferences, progress meetings, job conferences and other project-related meetings, and prepare and circulate copies of minutes thereof.
3. ***Liaison:***
  - a. Serve as Engineer's liaison with Contractor, working principally through Contractor's authorized representative, assist in providing information regarding the intent of the Contract Documents.
  - b. Assist Engineer in serving as Owner's liaison with Contractor when Contractor's operations affect Owner's on-Site operations.
  - c. Assist in obtaining from Owner additional details or information, when required for proper execution of the Work.
4. ***Interpretation of Contract Documents:*** Report to Engineer when clarifications and interpretations of the Contract Documents are needed and transmit to Contractor clarifications and interpretations as issued by Engineer.
5. ***Shop Drawings and Samples:***
  - a. Record date of receipt of Samples and approved Shop Drawings.
  - b. Receive Samples which are furnished at the Site by Contractor, and notify Engineer of availability of Samples for examination.
6. ***Modifications:*** Consider and evaluate Contractor's suggestions for modifications in Drawings or Specifications and report such suggestions, together with RPR's recommendations, to

**Engineer. Transmit to Contractor in writing decisions as issued by Engineer.**

**7. *Review of Work and Rejection of Defective Work:***

- a. Conduct on-Site observations of Contractor's work in progress to assist Engineer in determining if the Work is in general proceeding in accordance with the Contract Documents.**
- b. Report to Engineer whenever RPR believes that any part of Contractor's work in progress will not produce a completed Project that conforms generally to the Contract Documents or will imperil the integrity of the design concept of the completed Project as a functioning whole as indicated in the Contract Documents, or has been damaged, or does not meet the requirements of any inspection, test or approval required to be made; and advise Engineer of that part of work in progress that RPR believes should be corrected or rejected or should be uncovered for observation, or requires special testing, inspection or approval.**

**8. *Inspections, Tests, and System Startups:***

- a. Verify that tests, equipment, and systems start-ups and operating and maintenance training are conducted in the presence of appropriate Owner's personnel, and that Contractor maintains adequate records thereof.**
- b. Observe, record, and report to Engineer appropriate details relative to the test procedures and systems start-ups.**

**9. *Records:***

- a. Record names, addresses, fax numbers, e-mail addresses, web site locations, and telephone numbers of all Contractors, Subcontractors, and major Suppliers of materials and equipment.**
- b. Maintain records for use in preparing Project documentation.**

**10. *Reports:***

- a. Furnish to Engineer periodic reports as required of progress of the Work and of Contractor's compliance with**

the progress schedule and schedule of Shop Drawing and Sample submittals.

- b. **Draft and recommend to Engineer proposed Change Orders, Work Change Directives, and Field Orders. Obtain backup material from Contractor.**
- c. **Immediately notify Engineer of the occurrence of any Site accidents, emergencies, acts of God endangering the Work, damage to property by fire or other causes, or the discovery of any Hazardous Environmental Condition.**

**11. *Payment Requests:* Review Applications for Payment with Contractor for compliance with the established procedure for their submission and forward with recommendations to Engineer, noting particularly the relationship of the payment requested to the schedule of values, Work completed, and materials and equipment delivered at the Site but not incorporated in the Work.**

**12. *Certificates, Operation and Maintenance Manuals:* During the course of the Work, verify that materials and equipment certificates, operation and maintenance manuals and other data required by the Specifications to be assembled and furnished by Contractor are applicable to the items actually installed and in accordance with the Contract Documents, and have these documents delivered to Engineer for review and forwarding to Owner prior to payment for that part of the Work.**

**13. *Completion:***

- a. **Participate in a Substantial Completion inspection, assist in the determination of Substantial Completion and the preparation of lists of items to be completed or corrected.**
- b. **Participate in a final inspection in the company of Engineer, Owner, and Contractor and prepare a final list of items to be completed and deficiencies to be remedied.**
- c. **Observe whether all items on the final list have been completed or corrected and make recommendations to Engineer concerning acceptance and issuance of the Notice of Acceptability of the Work.**

**C. The RPR shall not:**

1. Authorize any deviation from the Contract Documents or substitution of materials or equipment (including “or-equal” items).
2. Exceed limitations of Engineer’s authority as set forth in the Contract Documents.
3. Undertake any of the responsibilities of Contractor, Subcontractors, Suppliers, or Contractor’s superintendent.
4. Advise on, issue directions relative to, or assume control over any aspect of the means, methods, techniques, sequences or procedures of Contractor’s work unless such advice or directions are specifically required by the Contract Documents.
5. Advise on, issue directions regarding, or assume control over safety practices, precautions, and programs in connection with the activities or operations of Owner or Contractor.
6. Participate in specialized field or laboratory tests or inspections conducted off-site by others except as specifically authorized by Engineer.
7. Accept Shop Drawing or Sample submittals from anyone other than Contractor.
8. Authorize Owner to occupy the Project in whole or in part.

SC-11.03     *Unit Price Work*

**SC-11.03.D** Delete Paragraph 11.03.D in its entirety and insert the following in its place:

**1304.** The unit price of an item of Unit Price Work shall be subject to reevaluation and adjustment under the following conditions:

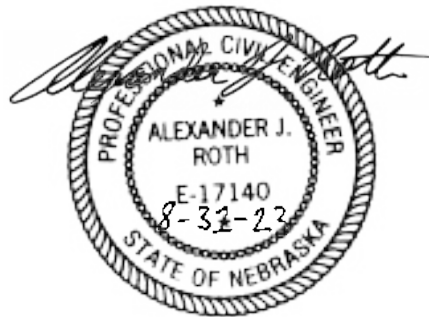
1. if the Bid price of a particular item of Unit Price Work amounts to 10 percent or more of the Contract Price and the variation in the quantity of that particular item of Unit Price Work performed by Contractor differs by more than 25 percent from the estimated quantity of such item indicated in the Agreement; and
2. if there is no corresponding adjustment with respect to any other item of Work; and

3. if Contractor believes that Contractor has incurred additional expense as a result thereof or if Owner believes that the quantity variation entitles Owner to an adjustment in the unit price, either Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with Article 10 if the parties are unable to agree as to the effect of any such variations in the quantity of Unit Price Work performed.

**SPECIAL PROVISIONS**  
**CITY OF SEWARD (2023)**  
**IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION**  
**IMPROVEMENTS**  
**SCHEMMER PROJECT NO. 09193.001**

**SCHEMMER**

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**SEPTEMBER 2023**

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## **GENERAL CONTRACT REQUIREMENTS**

This project will utilize Nebraska Department of Transportation Standard Plans and Specifications. These Special Provisions amend or supplement the Nebraska Department of Transportation (NDOT) Standard Specifications for Highway Construction, 2017 Edition, and other provisions of the Contract Documents as indicated herein. All provisions that are not so amended or supplemented via these special provisions remain in full force and effect.

The Contractor shall not take advantage of any apparent error, discrepancy or omission in the plan, specifications or geotechnical reports. Upon discovery of such an error, discrepancy or omission, the Contractor shall notify the City's representative immediately. The City's Representative will then make such corrections or interpretations as necessary to fulfill the intent of the plans and specifications. Materials or work described in words which, so applied, have known technical or trade meaning shall be held to refer to such recognized standards.

Figured dimensions on the plans shall be taken as correct but shall be checked by the Contractor before starting construction. Any errors, omissions, or discrepancies shall be brought to the attention of the City's Representative and the City's Representative's decision thereon shall be final. Correction of errors or omissions on the drawings or specifications may be made by the City's Representative when such correction is necessary for the proper execution of the work.

## **LIMITATIONS OF THE WORK**

The Contractor will be permitted to use available pavement belonging to the Owner, on or near the site of the work, for construction purposes and for the storage of materials and equipment. The location and extent of the areas so used shall be designated by the Owner. The Owner shall approve all materials to be stored on site prior to their delivery. No materials or equipment may be placed upon the property of the Owner until the Owner has agreed to the location contemplated by the Contractor to be used for storage.

It shall be understood that the responsibility for protection and safekeeping of equipment and materials on or near the site shall be entirely that of the Contractor and that no claims shall be made against the Owner by reason of any act of an employee or trespasser. It shall be further understood that should any occasion arise necessitating access to the sites occupied by these stored materials and equipment, the Contractor owning or responsible for the stored materials or equipment shall immediately move same.

The Contractor shall be solely responsible for obtaining and shall pay all costs in connection with any additional work area, storage site, access to the site, or temporary right-of-way which may be required for proper completion of the work.

All prospective bidders shall visit the site to familiarize themselves with the existing site conditions, access locations, site constraints, existing site drainage, existing utilities and other construction currently underway or planned within the project area. In addition, the selected Contractor shall be required to verify the location, elevations and flowlines of existing utilities that may be in conflict with the proposed work or that will need to connect to the new work prior to start of construction. This may require the Contractor to pothole existing utilities in advance of the start of work to verify flowlines at outlets or connection points, location and depth of utilities,

size and or material types of existing utilities. This verification work shall include but not be limited to connections to existing storm sewers, sanitary sewers and water mains. Verification of existing site conditions and utility locations shall not be paid for directly except where shown on the plans.

Existing site verification work shall also include verifying the location and grades at existing pavements that will connect to the new construction. The Contractor shall report any discrepancies in the location, existing layout or grades at the proposed tie-in points prior to start of the work so that they can be reviewed, and any adjustments made in the proposed alignment or grades for the new paving work (street paving as well as sidewalk and driveway pavements).

### **CONTRACT TIME**

All work associated with this project shall be substantially complete by **March 1<sup>st</sup>, 2024**. Once construction begins, the Contractor shall have no more than 60 calendar days to reach substantial completion with an additional 30 calendar days to complete all work associated with the project.

Substantial completion shall be defined as all culvert pipes placed and backfilled, roadway paving complete, earth shoulder construction complete, permanent pavement markings complete, and all temporary construction signs and barricades removed, and all roads open to preconstruction conditions. Determination of Substantial Completion and Final Completion shall be subject to the City's Representative's approval.

**Failure to meet the substantial completion date of the overall project shall result in liquidated damages of \$1,000 per calendar day beyond the specified calendar days allowed.**

### **SPECIAL PROSECUTION AND PROGRESS**

The following prosecution and progress of work shall be used in developing the baseline schedule for the project. The contractor will be required to submit a schedule of construction tasks that identify an order of completion based on the number of calendar days identified for this construction project.

#### **General**

All work shall be confined within the limits of the existing right-of-way or easements unless the Contractor has obtained separate rights from an adjacent property owner. The Contractor shall provide to the City's Representative written copies of any agreements for separate property rights that are obtained.

#### **Purpose of Project**

This project will improve the intersection of Izaak Walton and Highway 15 prior to Izaak Walton Road serving as a detour route for the Highway 15 reconstruction project beginning Spring 2024. This project must be complete prior to construction beginning on Highway 15.

## **CONSTRUCTION STAKING**

Construction staking shall be done by the Engineer at the Owners cost. The Engineer will furnish and set construction stakes or benchmarks establishing lines and grades and will furnish the Contractor with all necessary information relating to them. The Contractor shall be responsible for the preservation of all stakes and marks. The cost of replacing any stakes or marks destroyed or disturbed by the Contractor shall be charged against, and deducted from, the payment for the work.

The Contractor shall provide one week's notice for stakes when moving onto the work and 48 hours notice for any additional staking needs.

Any errors or apparent discrepancies found in previous surveys, plans, specifications, or special provisions shall immediately be called to the attention of the Engineer by the Contractor for correction or interpretation before proceeding with the work.

## **STATUS OF PERMITS**

A National Pollutant Discharge Elimination System (NPDES) permit will be required for this project. As outlined in the general conditions of the Construction Storm Water Notice of Intent, the project SWPPP shall be located on site and be accessible by the public at all times during construction. The SWPPP shall be placed at a location agreed upon by the Contractor and Engineer.

The Contractor shall understand the terms and conditions of the general NPDES permit that authorizes the storm water discharges associated with industrial activity from the construction site. Additionally, the Contractor, as evidenced by their signature on this project proposal, agrees and understands that, if awarded the contract on this project, he/she:

1. Becomes a co-permittee, along with the owner(s), to the Nebraska Department of Environmental Quality NPDES General Permit for Storm Water Discharges from construction sites on the project;
2. Is legally bound to comply with the Clean Water Act to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under the NPDES permit and the terms of the NPDES permit; and
3. Will hold the owners harmless for damages or fines arising as a result of noncompliance with the terms of the storm water permits and authorizations associated with the work on this project.

Unless otherwise indicated, all vegetative and structural erosion and sediment control practices and stormwater management practices will be constructed and maintained according to the minimum standards and specifications of Chapter 2 of the Nebraska Department of Transportation Drainage Design and Erosion Control Manual.

Following soil disturbance, permanent or temporary stabilization shall be completed within

seven (7) calendar days to the surface of all perimeter sediment controls, topsoil stockpiles, and any other disturbed or graded areas on the project site which are not being used for material storage, or on which actual earth moving activities are being performed.

If existing BMPs need to be modified or additional BMPs are necessary for any reason, implementation must be completed before the next storm event whenever practicable. If implementation before the next storm is impracticable, the situation must be documented and the alternative BMPs must be implemented as soon as possible.

**Permanent Stabilization:** Disturbed areas that will not be hard surfaced will be sodded with grasses.

**Stormwater Runoff and Management:** Runoff from the roadway will be routed through the proposed underground enclosed storm sewer system. The storm sewer system will be designed to accommodate the runoff and discharge the peak flows without creating increased erosion.

**Spill and Mitigation Plan:** Spills of hazardous materials shall be contained and cleaned up immediately. Any contaminated soils or materials shall be removed and treated or disposed of (as appropriate) in accordance with NDEQ and EPA guidelines. Spills large enough to reach the storm sewer system will be reported to the National Response Center at 1-800-424-8802.

#### **404 Nationwide Permit**

This project has a permit pending with the U.S. Army Corps of Engineers, which may include special conditions. A copy of the Nationwide Permit (NWP) regional conditions for the State of Nebraska are included within the Special Provisions.

#### **Northern Long-eared Bat**

This project is within the range of the state and federally listed threatened northern long-eared bat (*Myotis septentrionalis*). The following conservation measures must be implemented in order to avoid adverse impacts on northern long-eared bat. No removal of trees or removal of roosting structures between June 1 and July 31.

#### **Migratory Bird Treaty Act**

Clearing and grubbing of any identified trees will be allowed prior to the primary nesting season and prior to the issuance of the project Notice to Proceed when requested in writing by the Contractor. The primary nesting season in Nebraska has been determined to generally occur between April 1 and September 1. These nesting dates are a guide only, nesting can occur outside of those dates. Work outside of those dates is not exempt from compliance with the Migratory Bird Treaty Act.

The Contractor shall, to the extent possible, schedule clearing and grubbing activities to occur outside the primary nesting season in Nebraska if possible. However, if circumstances dictate that project construction or demolition must be done when nesting migratory birds may be

present, a survey of the number of active nests and species of birds shall be conducted by a qualified bird surveyor provided by the Owner and a representative of the Contractor. If the survey finds that nests will be impacted by the proposed construction, delays may occur requiring adjustment of the phasing, project schedule, or daily production to comply with the Migratory Bird Treaty Act and meet the desired completion date.

If an active nest is found during the survey, the Contractor should do everything possible to restructure his activities and leave the nest undisturbed until the young fledge. Fledging could occur within a week, or up to a month, after the survey depending on the species of bird and whether the nest contained eggs or young. Also depending on the species of bird and their sensitivity to disturbance, a buffer of up to 30 feet surrounding the tree with the active nest could be required. If construction operations result in unavoidable conflict with nesting migratory bird's eggs or young, which will result in "taking" nests and their contents, the Contractor should notify the Engineer as soon as practicable. If construction cannot be rescheduled to allow the birds to fledge, and it is determined as an unavoidable "take" circumstance, the Contractor shall stop all work within 30 feet of the active nest and coordinate with the Engineer to determine how to proceed. The Engineer will facilitate coordination with the US Fish and Wildlife Service to determine the appropriate way to address the active nest. No work shall occur within 30 feet of the active nest until US Fish and Wildlife Service coordination is complete and the requirements of the Migratory Bird Treaty Act are satisfied.

Once a bird survey is conducted, it is the Contractor's responsibility to use any legal and practical method to prevent the nesting of birds in order to prevent the need for additional surveys. The Contractor shall schedule his/her work to accommodate the process of conducting a survey(s) and remove cleared trees as soon as practicable. It is understood and agreed that the Contractor has considered in the bid all of the pertinent requirements concerning migratory birds (including endangered species) and that no additional compensation, other than time extensions if warranted, will be allowed for any delays or inconvenience resulting in these requirements.

### **Floodplain Development Permit**

The City of Seward has issued a Floodplain Development Permit for this project.

### **Nebraska Department of Transportation Permits**

The following permits have been issued by NDOT. Only work per the plans is allowed within State Right of Way.

- Permit to Occupy Right-of-Way
- Permit to Construct Access

## **TRAFFIC CONTROL**

Prior to construction, the Contractor shall submit a traffic control plan and construction schedule for Izaak Walton Road closure to the City Engineer for approval. The Contractor shall provide any project status changes or updated information to the Engineer on a daily basis.

Total road closures to through traffic will be allowed on Izaak Walton Road during the period of construction. The Contractor will need to maintain two-way traffic along Highway 15 at all

times. The Contractor will also need to identify a location to store materials and equipment during construction hours. Contractor shall arrange temporary access to the BNSF Railway maintenance facility along BNSF Road.

All temporary traffic control items required for the project shall be supplied, installed and removed per NDOT Standard Specifications for Highway Construction. "TRAFFIC CONTROL" shall be paid for at the contract unit price bid per lump sum. The Contractor shall be responsible for determining the Traffic Control needs for the project, including all devices and personnel, and to develop the bid amount accordingly. This payment includes the set-up, maintenance, removal, and any traffic control devices required.

### **STATUS OF EASEMENT**

The Owner anticipates securing all necessary Right of Way, Easements, or Right of Entry prior to the beginning of construction. There are two tracts that require easement acquisition. The plans identify the location and amount of easement necessary for the project.

The Contractor will not be allowed to perform work outside the existing public right-of-way on any tract until legal and physical possession has been acquired by the City, or a right-of-entry has been acquired by the City that will allow the Contractor to work on the property. If necessary, the Contractor will be granted an extension of time for completion of work outside the existing right of-way if a delay is caused due to the above tract(s) not being acquired.

### **STATUS OF UTILITIES**

Utility facilities, aerial and/or underground exist within this project. The Contractor shall avoid damaging any utility(s). Any such damage caused by Contractor, Contractor's employees, subcontractors, suppliers or agents will be the responsibility of Contractor to repair at Contractor's expense. No additional compensation will be allowed for protecting utility(s) or for repair of any damage caused by Contractor, Contractor's employees, subcontractors, suppliers or agents. Contractor shall coordinate utility relocation or reconstruction with the appropriate utility company. Any relocation work necessary will be concurrent with construction.

### **CITY OF SEWARD UTILITIES**

The City of Seward has existing power, water mains, and drainage culverts within the limits of the project. Impacts to these utilities are not anticipated outside of improvements outlined within the plans. All work within this area which may impact public water or power facilities will require coordination with the City of Seward Engineer and the City's Representative to minimize impact to daily activities.

The Contractor shall notify the City of any unforeseen conflicts with power lines. The City of Seward shall be responsible for any relocation and/or structural support of power lines.

The point of contact for the City of Seward is:

City of Seward Engineer

Contact: Michael Oneby, P.E.

Phone: (402) 643-4000

### **PRIVATE UTILITIES**

Black Hills Energy has gas lines along the west side of Highway 15 which crosses a new culvert pipe shown in the plans. The Contractor is required to notify Black Hills Energy when construction staking has been scheduled.

The point of contact for Black Hills Energy is:  
Contact: Kris McCoy (Utility Construction Planner)  
Phone: (402) 858-3571

Great Plains Communications has communications lines in the project area. No conflict anticipated. The Contractor is required to notify Great Plains Communications when construction staking has been scheduled.

The point of contact for Great Plains Communications is:  
Contact: Mike Moeller  
Phone: (402) 529-9040

Unite Private Networks has communications lines in the project area. Conflicts are anticipated with Unite planning on moving their lines. The Contractor is required to notify Unite Private Networks when construction staking has been scheduled.

The point of contact for Unite Private Networks is:  
Contact: Scott Wilgus  
Phone: (402) 710-1889

### **GENERAL CLEARING AND GRUBBING**

The work area along Izaak Walton Road consists of grasses, shrubs and trees. With this in mind, clearing and grubbing of vegetation within the project area may be required. The Contractor will not be allowed to dispose of trees, stumps, logs, down timber, shrubs, brush, weeds, or other herbaceous material resulting from clearing and grubbing operations on the Project Right-of-Way or Easements. The Contractor shall remove and dispose of broken concrete riprap offsite that is in conflict with construction.

### **SALVAGING AND PLACING TOPSOIL**

Subsection 207.01 in the Standard Specifications is amended to provide that the topsoil shall be salvaged from all existing grassed areas to be covered by new pavement and embankment. Salvaged topsoil shall be placed 4 inches thick over all areas to be seeded.

## **CONTAMINATED SOIL REMOVAL**

During the execution of the work on this project the Contractor may encounter contaminated soils, debris or groundwater (media). If contaminated media is encountered the Contractor shall immediately cease excavation operations and contact the City's Representative. If it is determined by the City's Representative that the contaminated soils cannot be used on-site (e.g. as backfill for the utility trenches), the Contractor shall be required to dispose of any contaminated media in accordance with all federal, state and local laws.

In the event the Contractor or on-site construction management personnel suspect that contaminated media is encountered or will be during the performance of the work, they shall immediately notify the City's Representative and follow their direction for resolution on how to manage the contaminated media. Typical indications of potentially contaminated media include discoloration and/or odors associated with the media removed as part of boring, trenching or other excavation work.

During the course of the project the Contractor shall not haul any excavated material that is suspected to be contaminated off-site without the prior approval of the City's Representative. As such, the Contractor shall provide locations on-site to temporarily stockpile all excavated material that may be suspected to contain contaminated soils. All temporary stockpiles of contaminated soils shall be kept separate from clean soils and shall comply with the requirements set forth in the Construction Storm Water Pollution Prevention Plan (SWPPP) (if required). The City's Representative will determine the appropriate method for disposal of the excavated material if it is determined to be contaminated and make a recommendation to the Contractor. Work associated with removal and disposal of contaminated material will be considered on an 'Extra Work' basis.

## **REMOVE AND REINSTALL SIGN**

Traffic control signs that will interfere with the construction work shall be removed, stored, and then reset upon completion of the construction work by the Contractor. These signs shall be identified by the Engineer. It is anticipated that the existing sign and post will be re-used. If the Contractor damages either the sign or post during removal or storage, they shall be replaced at no additional cost to the City. Traffic control signs that do not interfere with the proposed work shall be left in place and not disturbed or damaged. "REMOVE AND REINSTALL SIGN" shall be paid at the contract unit price per each.

## **SWPPP SIGN**

"SWPPP SIGN" shall be paid at the contract unit price per each and shall be full payment for the contractor to furnish and install project signs as stated in the storm water pollution plan for the project. The contract price shall be full compensation for furnishing all labor, materials, equipment, tools, and all incidentals necessary to complete the work.

## **PERMANENT PAVEMENT MARKING (OPTIONAL MATERIAL)**

Section 423 in the Standard Specifications is amended to provide that the items “PERMANENT PAVEMENT MARKING” the following materials may be used:

For pavement markings being placed on concrete surfaces, “Preformed Pavement Marking, Type 4, Grooved”, “Preformed Thermoplastic Pavement Marking”, or “Polyurea Pavement Marking, Grooved” may be used. Approved preformed pavement markings are shown on the NDOT Approved Products List. The material used shall be installed in accordance with the manufacturer’s specifications.

## **ROADWAY LIGHTING REQUIREMENTS**

### **INSTALL LIGHT POLE**

This work shall include the installation of Standard Street Lighting Poles. Street poles, fixtures, mast arms, and screw in bases shall be provided by the City of Seward.

All work associated with the installation of street light pole shall comply with all applicable provisions. Light pole complete, in place, and accepted by the ENGINEER, shall be measured for payment as single units and shall be paid for at the contract unit price bid per each. This price and payment shall be full compensation for all excavation, for installing the pole, luminaire arms, fixture, wiring, and power installed foundations.

### **SERVICE DISCONNECT**

This work shall include the installation of a service disconnect on the existing overhead pole. Service disconnect hardware shall be provided by the City of Seward and installed by the Contractor. Service drop, meter and connection to service disconnect performed by City of Seward Electrical Utility.

## **CRUSHED ROCK EMBEDMENT**

This work shall consist of spreading crushed rock over the surface of the roadbed, scarifying roadbed to blend the crushed rock into the subgrade soil followed by compacting the area to create a stable base for the Crushed Rock Surface Course

### **Materials**

1. Crushed Rock for embedment shall conform to the requirements of Crushed Rock for Surfacing in Paragraph 6 of Subsection 1033.02 of the Standard Specifications for Highway Construction.

### **Construction Method**

1. A two-inch layer of Crushed Rock shall be uniformly spread over the surface of the roadbed that has been prepared in accordance with the Contract.

2. The Crushed Rock layer and roadbed shall be scarified to uniformly blend the Crushed Rock into the upper four inches of the subgrade soil.
  - a. Water shall be added as necessary to facilitate compaction.
3. This scarified and blended roadbed surface shall be compacted with a minimum number of 4 passes with a padfoot roller until firm and stable, as determined by the Engineer.
4. The scarification, blending and compaction work shall not alter the cross slope of the roadbed.
5. After the Crushed Rock Embedment is completed, the Contractor shall place and spread two inches of Crushed Rock Surface Course on the roadway.
6. Additional Crushed Rock shall be placed and spread during the life of the project at the Engineers discretion.

Method and Measurement

1. Crushed Rock Embedment shall be measured by the Square Yard, of completed and accepted work.
2. All Crushed Rock used to build the Crushed Rock Embedment and Crushed Rock Surface Course will be measured and paid as Crushed Rock Surface Course in accordance with Section 310 of the Standard Specifications.
3. Water will not be measured and paid for but shall be considered subsidiary to the item “CRUSHED ROCK EMBEDMENT.”

Basis of Payment

<u>Pay Item</u>	<u>Pay Unit</u>
1. Crushed Rock Embedment	Square Yard (SY)
2. Crushed Rock Surface Course	Ton (TN)
3. Payment is full compensation for all work prescribed in this Special Provision.	

**SURFACING UNDER GUARDRAIL**

Amend Section 503 in the Standard Specifications to include Surfacing Under Guardrail.

At the Contractor’s option, the surfacing may be constructed using Class “47B-3000” Concrete, Class “BX-3000” Concrete, Class “PR-3000” Concrete (Class 47B-20 Concrete, Class BX-20 Concrete, Class PR-20 Concrete), or any commercially produced hot mix asphaltic concrete, which has been approved by the Engineer.

If concrete is used in the surfacing, it shall reach a minimum strength of 3000-psi (20 Mpa) before opening to traffic.

If asphalt is used in the surfacing, the Contractor shall monitor the density through a combination of rolling pattern and field-testing as deemed necessary by the Engineer.

The surfacing under guardrail may be placed in a single lift. If placing in multiple lifts, the lower lifts may be placed by means other than a paver, however, the final lift must be placed with a paver.

Amend Subsection 302.04 in the Standard Specifications to provide that the work of subgrade preparation for surfacing under guardrail will not be measured for payment but shall be considered subsidiary to the item “SURFACING UNDER GUARDRAIL”.

Subsection 304.04 in the Standard Specifications is amended to provide that the work of earth shoulder construction associated with surfacing under guardrail will not be measured for payment but shall be considered subsidiary to the item “SURFACING UNDER GUARDRAIL.”

Subsection 503.05 in the Standard Specifications is amended to provide that P.G. Binder used in the asphaltic concrete will not be measured for payment but shall be considered subsidiary to the item “SURFACING UNDER GUARDRAIL”.

Subsection 504.04 in the Standard Specifications is amended to provide that the application of a tack coat, including furnishing emulsified asphalt, will not be measured for payment, but shall be considered subsidiary to the item “SURFACING UNDER GUARDRAIL”.

The work and materials required for any drainage curb placed on surfacing under guardrail will not be measured and paid for but will be considered subsidiary to the item “SURFACING UNDER GUARDRAIL”.

The work and materials required for surfacing under guardrail will be paid for at the contract unit price per square yard (square meter) for the item “SURFACING UNDER GUARDRAIL”. Payment will be full compensation for the work prescribed in these Special Provisions and the Standard Specifications.

## **GUARDRAIL END TREATMENT, TYPE II**

Section 902 of the Standard Specifications shall be amended to include the following:

Guardrail End Treatment Type II: This work consists of furnishing and installing a guardrail end treatment system and delineation according to the detail and locations shown in the plans.

The Contractor shall install the following system which meets MASH TL-3:

1. MASH FLEAT-SP-MGS: Install 36'-5.5”(FLEAT) + 12'-6”of W-Beam (MGS) Guardrail

Manufactured by Road Systems, Inc.  
3616 Old Country Airport  
Big Springs, TX 79720  
915-263-2435

The additional length required will be W-beam guardrail with the Midwest Guardrail System 31” design.

The Contractor will be required to furnish shop drawings to the Engineer of the system to be installed. The guardrail end treatment shall be installed in accordance with the recommendations of the manufacturer.

Payment shall be full compensation for all work required to provide and install the system.

### **EROSION CONTROL, CLASS 1D**

Section 810 of the Standard Specifications shall be amended to include the following:

- A. The work included in this item shall consist of providing an accepted uniform stand of perennial turf grasses by fine grading and furnishing and placing fertilizer, seed, and mulch on all areas to be treated as shown on the plans. This shall include, but not be limited to: disking, harrowing, leveling/fine grading, planting, fertilizing, mulching, establishment, and maintenance till acceptance.

#### **PART 1 SUBMITTALS:**

- A. The Contractor shall submit the following samples, certifications, or test results prior to use on the project:
  - a) Fertilizer - Form for Affidavit (on official stationery of supplier) certifying compliance with State and Federal regulations and standards of the Association of Official Agricultural Chemists.
  - b) Seed - Form for Affidavit (on official stationery of supplier) certifying compliance with State and Federal regulations and testing provisions of the Association of Official Seed Analysts for each shipment of seed for this project.
  - c) Sample and product information on erosion control blankets and hold down pins.
  - d) Sample and product information on hydromulch.
  - e) All original seed tags for all bags (and partial bags) of seeds used on the project shall be submitted to the Engineer.
  - f) Soil test identifying the lawn and garden package values before the seed bed preparation process has been started. Soil report is to include the cation exchange capacity (CEC), levels of phosphorus, potassium, calcium, magnesium and other nutrients, soil PH and soil buffer PH and suggested pounds per Acre recommendations to achieve a prepared soil for seeding on bare ground.
  - g) Typical desired nutrient levels for the area are;       Organic matter 3%,   PH 6-7.2, Phosphorus 25-30ppm, Potassium 150-200 ppm.

## PART 2 - PRODUCTS

### 2.01 GENERAL:

All materials furnished in accordance with the requirements of this specification shall be delivered, where applicable, in sealed, unbroken packages bearing the brand and maker's name, and shall be stored on platforms and be properly covered to protect them from the weather and damage.

### 2.02 FERTILIZER/NUTRIENTS:

Commercial composite fertilizer or nutrients, uniform in composition, dry and free flowing. It shall bear the manufacturer's guaranteed statement of analysis which shall be as designated in the soils report for original fertilization/nutrient modification to the insitu soils. Any fertilizer/nutrients which becomes caked or otherwise damaged, rendering it unsuitable for use, will not be accepted.

### 2.03 SEED:

A. Acceptable Seed Mixtures (Nebraska Region B)

**Seed Mixtures for Nebraska Region B**  
Loess & Glacial Drift (see the map on page 24)  
**Rural Highway Shoulder Mixture**

Species	Minimum Purity (percent)	Lbs. of PLS/acre
Perennial ryegrass – Linn, Amazon, Norlea	85	15
Western wheatgrass – Barton	85	3.5
Slender wheatgrass	85	12
Kentucky fescue	85	15
Red fescue (Festuca rubra)	85	6
Buffalograss – Cody, Bison, Sundancer, Texoka	80	3.5
Fults alkali grass (Puccinellia distans)	85	2
Sideoats grama – Butte, El Reno, Trailway	75	4
Sand dropseed (Sporobolus cryptandrus)	90	0.5
Oats/Wheat (wheat in the fall)	90	16

Or Approved Equivalent.

**2.04 WATER:** Potable.

Verify that prepared soil base is ready to receive work of this Section. Fill all depressions and rivulets with topsoil to establish a smooth grade. Beginning of installation means acceptance of existing site conditions.

## **2.05 PREPARATION OF TOPSOIL:**

### **A. Conditioned soil:**

1. The Contractor shall be responsible for determining the availability of organic soil additive material prior to bidding the project. If there is not sufficient supply of organic soil additive material, the Contractor shall condition the soil by nutrients and fertilizer per the requirements of this specification
2. 2 inches of organic soil additive shall be incorporated into the topsoil as described above.
3. The Contractor shall notify the Engineer five (5) days prior to the start of amended soil activities.
4. Once the Contractor is allowed to use manufactured organic soil, the Contractor shall notify the Engineer five (5) days in advance to schedule pick up of the manufactured organic soil material.
5. The Contractor shall place the conditioned soil in accordance with the Contract Documents.
6. Conditioned soil may be accomplished by mixing the organic soil additive with a stockpile of topsoil material then placing, or by spreading the organic soil additive over replaced topsoil and mixing together in place.
7. Organic soil additive may be spread over undisturbed native soil to a depth of two (2) inches and incorporated into the native soil to a total depth of six (6) inches.
8. Fertilizer shall not be added when using manufactured organic soil.

### **B. Soil conditioning by nutrients/fertilizer, only if compost is not available.**

1. Apply if needed according to recommendations from a soil test
2. Apply 19-19-19 or equivalent nutrients fertilizer at the rate of 450 lbs/AC as a minimum.
3. Incorporate recommended nutrients/fertilizer into the top 4-6 inches of the soil by discing or other means.

### **C. Seedbed preparation**

1. Harrow, disk or rake the topsoil to a depth of three (3") on slopes flatter than 3:1 and one to three (1-3") inches for slopes steeper than 3:1 in a minimum of two directions.
2. When an area is compacted, crusted or hardened, the soil surface shall be loosened by discing, raking, or harrowing.
3. Seed bed preparation should not be undertaken when excessively wet conditions exist.
4. Remove all debris and stones having any dimension greater than one inch.

5. Rake finish surface smooth

#### **2.06 RATE OF APPLICATION:**

- A. Initial Fertilizing: Application rate shall be obtained from the required soils report.
- B. General Lawn Seed: 12 pounds per 1,000 SF.
- C. Refertilizing: As required by the engineer if the establishment is not as required to complete the seeding.

#### **2.07 SEEDING:**

- A. Drill seed or sow (broadcast) grass seed, applying half the quantity in one direction, and the remaining quantity at right angles to it.
- B. Do not sow seed on a windy day, or when the ground is frozen, wet or otherwise non-tillable.
- C. Cover seed with a thin layer of topsoil by raking or dragging.
- D. Cover newly seeded area with hydromulch or erosion control blankets. Hydromulch or erosion control blankets shall be applied within twenty four (24) hours after planting seed.
- E. Install erosion control blankets where shown on the Drawing(s) and as per manufacturer's instructions. Hold down pins shall be installed two (2) pins per square yard.

#### **2.08 SEEDING SEASON:**

- A. The suggested calendar dates for seeding are:

Spring:	March 15 to June 1.
Fall:	August 15 to October 1.
- B. All disturbed soil areas shall be treated during the seeding season.
- C. Areas at final grade: Permanent seeding will be accomplished

#### **2.09 MAINTENANCE:**

- A. To achieve better germination of seed, the Contractor may water the seeded areas in order to maintain a moist seed bed at all times. If the Contractor chooses to water the seeded areas, water should be applied so that the topsoil is wet to a depth of two inches. Apply one complete coverage to the seeded area in an eight-hour period.
- B. Protect the seed bed with barricades, if necessary, to keep all traffic off the area.
- C. After the seed mixture has germinated, reseed all areas which have failed to show a uniform stand of germinated seed.

D. Maintain all seeded areas until acceptance. Suggested maintenance items shall include, but not be limited to any or all of the following, whichever are necessary:

1. Regrading.
2. Refertilizing.
3. Reseeding.
4. Re-Hydromulching or repositioning or replacing erosion control blankets.
5. Watering.
6. Weeding.
7. Rolling.
8. Filling in eroded areas.

## **2.10 INSPECTION AND ACCEPTANCE OF SEEDED AREAS:**

A. Submit written notice requesting inspection by the Engineer at least ten days prior to the anticipated date.

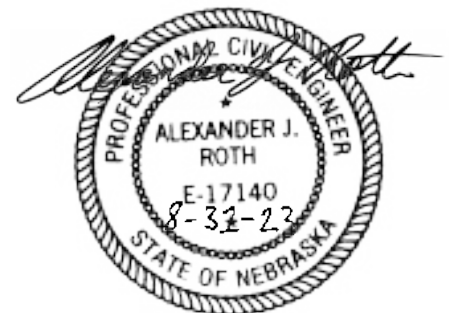
B. No seeded areas will be inspected for acceptance prior to sixty (60) days from date of seeding.

D. A satisfactory stand of grass which is acceptable is defined as consisting of a uniform stand of at least eighty-five percent (85%) established permanent grass species. An acceptable stand of grass will be determined by the Engineer.

E. Appropriate materials to be furnished and installed by the contractor for Erosion Control Class 1D can be obtained from the NDOT approved products list.

F. Other items required to be furnished and installed before payment are; testing, soil conditioning with fertilization/nutrients, conditioned soil, seed bed preparation, and seeding will all be incidental to the direct pay items for erosion control

1. Soil Test required by this special provision are subsidiary.
2. Conditioned soil added to the area to be seeded shall not be paid for directly but will have to be completed in accordance with this special provision. The cost for the Contractor to provide, haul, and mix the organic soil additive shall be considered incidental to items for which the Contract provides direct payment
3. Fertilizer/ Nutrients added to the area to be seeded shall not be paid for directly but will have to be completed in accordance with the soils report.





**US Army Corps  
of Engineers**®  
Omaha District

**2021 Nationwide Permits  
Regional Conditions  
Omaha District  
State of Nebraska**

The following Nationwide Permit (NWP) regional conditions will be used in the State of Nebraska. The issuance of the NWPs was announced in the January 13, 2021, issue of the Federal Register (86 FR 2744) and December 27, 2021, issue of the Federal Register (86 FR 73522). Regional conditions are placed on NWPs to ensure projects result in no more than minimal adverse impacts to the aquatic environment and to address local resources concerns.

**A. PRECONSTRUCTION NOTIFICATION REQUIREMENTS APPLICABLE TO ALL NWPs**

For all NWPs, permittees must notify the Corps in accordance with General Condition 32 Preconstruction Notification (PCN) requirements for regulated activities located within or comprised of the following:

**1. Wetlands Classified as Peatlands:**

PCN required for any regulated activity in wetlands classified as peatlands. For purposes of this condition, peatlands are permanently or seasonally waterlogged areas with a surface accumulation of peat (organic matter) 30 centimeters (12 inches) or more thick. Under cool, anaerobic, and acidic conditions, the rate of organic matter accumulation exceeds organic decay. Any peat-covered areas, including fens, bogs, and muskegs, are all peatlands.

**2. Waters Adjacent to Natural Springs:**

PCN required for any regulated activity located within 100 feet of the water source in natural spring areas. For the purpose of this condition, a spring water source is defined as any location where there is flow emanating from a distinct point at any time during the growing season.

Springs do not include seeps and other groundwater discharge areas where there is no distinct point source of waters. Springs do not include drain tile outlets.

**3. Rainwater Basin Wetlands:**

PCN required for any regulated activity in any traditional Rainwater Basin wetlands found in the 21 county Rainwater Basin area of south-central Nebraska. The following link provides a map showing the general location of the Rainwater Basin geographic area:  
[http://www.fws.gov/refuge/rainwater\\_basin\\_wmd/](http://www.fws.gov/refuge/rainwater_basin_wmd/)

**4. Stream Channelization and Relocation Projects:**

PCN required for any regulated activity that involves permanent stream channelization or relocation of an existing intermittent or perennial stream channel. For the purpose of this condition, stream channelization is defined as “the manipulation of a stream’s course, condition, capacity or location that causes more than minimal interruption of normal stream processes.” Examples of stream channelization include, but are not limited to straightening, relocating, shifting, tubing (i.e., placement of a culvert in an open channel for construction purposes).

**5. Tribal Reservations and Tribal Trust Lands:**

PCN and coordination with the Tribal Authority required for all NWPs requested by applicants other than the Tribal Authority for use within the reservation boundaries and tribal trust lands of Indian Country.

**2021 Nationwide Permits  
Regional Conditions  
Omaha District  
State of Nebraska**

**6. Specific Waterways:**

PCN required for any regulated activity located on the Missouri River, North Platte River, South Platte River, Platte River, Loup River, Elkhorn River, Republican River and all jurisdictional Class A State Resource Waters and all regulated adjacent wetlands within their floodplain/valley. A list of Class A State Resource Waters can be found at:

[http://deq.ne.gov/RuleAndR.nsf/pages/PDF/%24FILE/Title117\\_2019.pdf](http://deq.ne.gov/RuleAndR.nsf/pages/PDF/%24FILE/Title117_2019.pdf)

Eastern Saline Wetlands, Salt Creek and its tributaries, including Rock Creek and its tributaries, in Saunders or Lancaster Counties:

a. PCN required for any regulated activity within any Eastern Saline wetlands, Salt Creek, and its tributaries, including Rock Creek and its tributaries, found in Saunders or Lancaster Counties. The map located at the end of this document shows the Salt Creek Tiger Beetle recovery areas and projects in these areas will receive additional analysis.

b. All mitigation involving Eastern Saline wetlands shall be conducted pursuant to the Eastern Saline Mitigation Guidelines. The Guidelines can be found at:

<http://www.nwo.usace.army.mil/Missions/Regulatory-Program/Nebraska/Mitigation/>

**B. PRECONSTRUCTION NOTIFICATION REQUIREMENTS APPLICABLE TO SPECIFIC NWP**

**1. NWP 23 – Approved Categorical Exclusions**

In addition to PCN requirements identified in Regulatory Guidance Letter (RGL) 05-07 or the applicable Corps RGL, PCN is required prior to initiating any regulated activity under NWP 23 that would permanently impact an area greater than 1/2 an acre of waters of the United States. In addition to information required for PCN, the applicant must identify the approved categorical exclusion that applies in RGL 05-07 or the applicable Corps RGL and provide documentation that the project fits the categorical exclusion.

**C. BEST MANAGEMENT PRACTICES**

**Required Best Management Practices**

In addition to the Regional Conditions above, additional required best management practices apply to NWPs within the Omaha District. These are available at:

<https://www.nwo.usace.army.mil/Missions/Regulatory-Program/Nation-Wide-Permit-Information/>

# Notice of Award

Date: \_\_\_\_\_

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Project: IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION IMPROVEMENTS	
Owner: City of Seward, Nebraska	Owner's Contract No.: N/A
Contract: Construction	Engineer's Project No.: 09193.001
Bidder:	
Bidder's Address:	

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You are notified that your Bid dated \_\_\_\_\_ for the above Contract has been considered. You are the Successful Bidder and are awarded a Contract for furnishing all labor, materials and equipment for the improvements to IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION IMPROVEMENTS in Seward, NE. Work, per the plans and specifications, shall include clearing and grubbing, excavation, paving, storm sewer construction, sodding, and all incidental work necessary to complete the Project as required by the plans and specifications.

The Contract Price of your Contract is: \_\_\_\_\_ Dollars and 00/100 (\$ \_\_\_\_\_).

**Two (2)** copies of the proposed Contract Documents (excluding Drawings and addendums) are provided with this Notice of Award.

**Two (2)** sets of the Drawings will be delivered separately or otherwise made available to you immediately following execution of the contract.

You must comply with the following conditions precedent within [15] days of the date you receive this Notice of Award.

1. Deliver to the Owner [One] fully executed counterparts of the Contract Documents.
2. Deliver with the executed Contract Documents the Contract security [Bonds] as specified in the Instructions to Bidders (Article 20), General Conditions (Paragraph 5.01), and Supplementary Conditions (Paragraph SC-5.01).
3. Other conditions precedent:

Failure to comply with these conditions within the time specified will entitle Owner to consider you in default, annul this Notice of Award, and declare your Bid security forfeited.

Within ten days after you comply with the above conditions or after receipt of the approved permits, whichever occurs later, Owner will return to you one fully executed counterpart of the Contract Documents.

City of Seward  
Owner  
By: \_\_\_\_\_  
Authorized Signature  
Mayor  
Title

Copy to Engineer

# Notice to Proceed

Date: \_\_\_\_\_

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Project: IZAAK WALTON ROAD AT HIGHWAY 15 INTERSECTION IMPROVEMENTS

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Owner: City of Seward, Nebraska

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Owner's Contract No.: N/A

---

Contract:

---

Engineer's Project No.: 09193.001

---

Contractor:

---

Contractor's Address: *[send Certified Mail, Return Receipt Requested]*

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You are notified that the Contract Times under the above Contract will commence to run on \_\_\_\_\_. On or before that date, you are to start performing your obligations under the Contract Documents. In accordance with Article 4 of the Agreement, the date of Substantial Completion is \_\_\_\_\_, and the date of readiness for final payment is \_\_\_\_\_ [(or) the number of days to achieve Substantial Completion is \_\_\_\_\_, and the number of days to achieve readiness for final payment is \_\_\_\_\_].

Before you may start any Work at the Site, Paragraph 2.01.B of the General Conditions provides that you and Owner must each deliver to the other (with copies to Engineer and other identified additional insureds and loss payees) certificates of insurance which each is required to purchase and maintain in accordance with the Contract Documents.

Also, before you may start any Work at the Site, you must:

\_\_\_\_\_ *[add other requirements].*

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Owner

Given by:

---

Authorized Signature

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Title

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Date

Copy to Engineer



Design with Purpose. Build with Confidence.

**Project:** Izaak Walton Intersection  
Improvements Cost Estimate

**Job No.:** SCHEMMER 09193001

**IZAAK WALTON ROAD - FINAL OPINION OF PROBABLE CONSTRUCTION COSTS**

COMPUTED BY: Megan Stamer

DATE: 8/4/2023

CHECKED BY: Alex Roth

DATE: 8/8/2023

UPDATES: Alex Roth

DATE: 8/29/2023

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
0005.01	TRAFFIC CONTROL	1	LS	\$10,000.00	\$10,000.00
0030.00	MOBILIZATION (10%)	1	LS	\$68,000.00	\$68,000.00
002.44	TEMPORARY PAVEMENT MARKING, TYPE PAINT	2,299	LF	\$1.00	\$2,299.00
1000.00	LARGE TREE REMOVAL	1	EA	\$1,500.00	\$1,500.00
1009.00	GENERAL CLEARING AND GRUBBING	1	LS	\$5,000.00	\$5,000.00
1030.00	EARTHWORK MEASURED IN EMBANKMENT	8,057	CY	\$7.00	\$56,399.00
1011.00	WATER	81	MGAL	\$60.00	\$4,834.20
1041.00	SALVAGING AND PLACING TOPSOIL	8,241	SY	\$0.60	\$4,944.34
1101.00	REMOVE PAVEMENT	2,056	SY	\$18.00	\$37,004.87
1101.25	SAWING PAVEMENT	568	LF	\$20.00	\$11,360.00
1995.00	STABILIZED CONSTRUCTION EXIT	1	EA	\$2,000.00	\$2,000.00
2009.51	CRUSHED ROCK EMBEDMENT	1,417	SY	\$2.00	\$2,833.97
2010.03	CRUSHED ROCK SURFACE COURSE	198	TON	\$75.00	\$14,850.00
9188.50	SURFACING UNDER GUARDRAIL	22	SY	\$60.00	\$1,311.87
3075.42	9" CONCRETE PAVEMENT, CLASS 47B-3500	474	SY	\$80.00	\$37,937.59
3075.46	9" DOWELED CONCRETE PAVEMENT, CLASS 47B-3500	2,123	SY	\$90.00	\$191,102.16
4050.01	EXCAVATION FOR PIPE, PIPE ARCH CULVERTS, AND HEADWALLS	917	CY	\$30.00	\$27,510.00
4107.04	CLASS 47B-3000 CONCRETE FOR CONCRETE COLLARS	1.16	CY	\$1,300.00	\$1,508.00
4157.00	REINFORCING STEEL FOR COLLARS	68	LB	\$2.50	\$170.00
4360.24	24" METAL FLARED-END SECTION	1	EA	\$700.00	\$700.00
4460.24	24" CONCRETE FLARED-END SECTION	2	EA	\$1,500.00	\$3,000.00
4460.48	48" CONCRETE FLARED-END SECTION	1	EA	\$3,500.00	\$3,500.00
7017.00	REMOVE GUARDRAIL	187.5	LF	\$10.00	\$1,875.00
7024.27	GUARDRAIL END TREATMENT, TYPE II	1	EA	\$5,000.00	\$5,000.00
7308.10	REMOVE SIGN	1	EA	\$150.00	\$150.00
7309.90	REMOVE AND REINSTALL SIGN	10	EA	\$250.00	\$2,500.00
7316.12	SWPPP SIGN	1	EA	\$400.00	\$400.00
7495.06	6" WHITE PERMANENT PAVEMENT MARKING PAINT	545	LF	\$5.00	\$2,725.00
7495.06	6" YELLOW PERMANENT PAVEMENT MARKING PAINT	1,754	LF	\$5.00	\$8,770.00
7495.12	12" YELLOW PERMANENT PAVEMENT MARKING PAINT	34	LF	\$10.00	\$340.00
7495.12	12" WHITE PERMANENT PAVEMENT MARKING PAINT	26	LF	\$10.00	\$260.00
7500.32	ARROW, PREFORMED PAVEMENT MARKING, TYPE 4	4	EA	\$750.00	\$3,000.00
8029.25	FOUNDATION COURSE	3,108	SY	\$5.00	\$15,539.44
9170.00	EARTH SHOULDER CONSTRUCTION	8.6	STA	\$150.00	\$1,287.06
9173.20	SUBGRADE PREPARATION	3,108	SY	\$5.00	\$15,539.44
A001.12	PULL BOX, TYPE PB-5	5	EA	\$1,800.00	\$9,000.00
A030.03	SERVICE DISCONNECT (PROVIDED BY CITY, INSTALLED BY CONTRACTOR)	1	EA	\$5,000.00	\$5,000.00
	INSTALL LIGHT POLE (POLE PROVIDED BY CITY, INSTALLED BY CONTRACTOR)	5	EA	\$3,000.00	\$15,000.00
A070.08	1 1/2-INCH CONDUIT IN TRENCH	1,448	LF	\$15.00	\$21,720.00
A070.10	1 1/2-INCH CONDUIT UNDER ROADWAY	104	LF	\$25.00	\$2,600.00
A074.12	1 1/2-INCH CONDUIT, JACKED	97	LF	\$35.00	\$3,395.00
A080.22	STREET LIGHTING CABLE, NO. 6 BARE	1,649	LF	\$3.50	\$5,771.50
A080.24	STREET LIGHTING CABLE, NO. 6 USE	3,298	LF	\$4.50	\$14,841.00
L001.02	SEEDING, TYPE B	1.70	AC	\$2,000.00	\$3,400.00
L019.13	EROSION CONTROL, CLASS 1D	8,241	SY	\$6.00	\$49,443.39
L022.11	FABRIC SILT FENCE ' LOW POROSITY'	812	LF	\$3.50	\$2,842.00
P120.24	24" CULVERT PIPE, TYPE 2	257	LF	\$160.00	\$41,120.00
P300.24	24" CULVERT PIPE, TYPE 3, 4 OR 5	25	LF	\$120.00	\$3,000.00
P300.48	48" CULVERT PIPE, TYPE 2	118	LF	\$250.00	\$29,500.00
	SUBTOTAL CONSTRUCTION				\$751,783.84
	CONSTRUCTION CONTINGENCIES (10% OF CONSTRUCTION)				\$75,178.38
	<b>TOTAL CONSTRUCTION COST</b>				<b>\$826,962.23</b>
<b>ROW (Approximate Impacts and Costs)</b>					
	PERMANENT EASEMENT	14,537.03	SF	\$0.00	\$0
	<b>TOTAL RIGHT-OF-WAY COSTS</b>				<b>\$0</b>
	<b>CONSTRUCTION ENGINEERING &amp; INSPECTION</b>	<b>12%</b>			<b>\$99,235.47</b>
	<b>GRAND TOTAL</b>				<b>\$926,197.69</b>

5. Update on the Wellness Center - City Administrator Butcher  
**CITY ADMINISTRATOR'S REPORT**

## CITY ADMINISTRATORS REPORT – 9/5/23

- Monitoring a number of street projects on East Seward (construction), design on East Hillcrest, and drainage near Park Street & Bradford Street (contracts), Karol Kay box culvert is finished.
- Water Tower project underway, working on final paint design.
- Assisting City Attorney with a number of real estate items and related matters.
- Assisted with Civic Center items and issues, working with Commission on Building Renovation next steps. Met with Ken Morgan on Langworthy Trust cash flow to fund renovation.
- Reviewed additional DTR items and worked with applicants on needed documents.
- Continued to work with RDG Planning to complete blight study.
- Working with Wellness Center Executive Director Brase on numerous items and follow ups.
- Assisted with payroll, claims, Airport Authority Financials and TIF payments.
- Reviewed applications for payroll clerk, conducted initial reviews with candidates and interviews.
- Met with City Attorney on items for the Rail Campus.
- **Worked extensively on City budget.**
- Held LB 840 meeting.
- Reviewed items for the Wellness Center plat.
- Met with Cattle Bank on Wellness Center financing. Both Jones and Cattle are working on a joint financing plan.

The departments are working on the following projects to name a few:

### **Police Department**

- Zuercher stakeholder meeting 8/30.
- AED training 8/30.

### **City Clerk/Human Resources/City Hall**

- White Castle is finishing up roofing project from the June 14<sup>th</sup> Storm Cleanup.
- Employee signoffs collecting thru 9/8; presentation 8/31 and 9/6 for the Employee Personnel Handbook.
- Continuing prep of draft for meeting on 9/5 for Master Fees Resolution.
- Blue Cross Blue Shield (BCBS) changes due by 9/15 and info. sessions 9/5 & 9/13 for open enrollment benefits.
- Current open positions: Police Officer (to be re-listed), Payroll Clerk (interviews ongoing) and Library Clerk
- Finance Director/Treasurer Cydnee Golden starting with City of 9/5.

### **Water/Wastewater Department**

- Water Disruption on 10<sup>th</sup> and Bradford
- Slow leak on South Street (Jones Bank) 8/30
- Pool shutdown- winter prep
- Camera Storm Sewer on River Street between 13<sup>th</sup> & 14<sup>th</sup>

### **Parks and Rec/Cemetery/Golf/Pool**

- Sand volleyball started Sunday (5 teams).
- High School JV softball tournament Monday on East and West fields.

### **Civic Center**

- Waiting on next steps from architect for a future ADA renovation.
- Looking for one employe who has some dayshift availability.

### **Electric Department**

- Follow up of Allo installations and Windstream.

- NextLink meeting Wednesday.
- Trench in primary wire and set S&C on E. Seward.

#### **Street Department**

- Finish work on alley project between 4<sup>th</sup> and 5<sup>th</sup>.
- Pour manor drive.
- Push up burn pile.

#### **Library**

- Kids programs for fall started (8/29) and run for 10 weeks: Story and Toddler Times – Tues and Wed mornings, After School programs – T/W/Th 4-4:45pm
- 9/2 Actual library anniversary (20 years)
- Gutter and light work on exterior of library still need completed, from 2022 hail damage

#### **Building Inspection/Planning Department**

- TIF in Sept. & Oct. for Planning Commission.
- Wellness Center – Eaton Drummer Blvd design review meeting Wednesday, Aug. 30 to complete development of Subdivision Agreement. Checking with Rich Burton on status of plan review.
- Nextlink meeting 8/30 to discuss ROW permits.

#### **Engineering**

- Kickoff meeting 8/29 for the Levee Pump Station.
- Kickoff meeting for Ethan Drummond Blvd 8/30.
- Plans for soil surcharge, develop O & M costs, investigate impact on rates, arrange site visits (Lawrenceville, KS, Lincoln) for WWTP.
- NDOT approval, lighting design, City Council approval (Sept. 5), advertise (Sept. 13, 20, 27) for Izaak Walton & Hwy 15 intersection.

#### **Finance Dept.**

- Cydnee Golden to be appointed Aug. 15 as the Finance Director/Treasurer. Cydnee's first day with the City will be Sept. 5<sup>th</sup>.

#### **Seward Wellness Center**

- Finished work on an important Grant Application which was submitted 8/28.
- Finalizing the weight room/cardio equipment and negotiating pricing/discounts.
- Normal meetings/communication as we are getting close to being able to announce an official groundbreaking ceremony.

**FUTURE REQUESTS FOR COUNCIL AGENDA ITEMS OR ADMINISTRATIVE  
ACTION  
ANNOUNCEMENT OF UPCOMING EVENTS  
STRATEGY SESSION**

1. Strategy Session with City Attorney for Real Estate at the Seward Rail Campus - City Attorney Hoffschneider

**MOTION TO ADJOURN**

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I, Derek Bargmann, the duly appointed qualified and acting City Clerk of the City of Seward, Nebraska, hereby certify that the foregoing Notice of Meeting and Agenda for such meeting has been posted in the following places: Seward City Hall, Seward Municipal Building, Seward County Courthouse, Seward Memorial Library and CityofSewardNE.gov

IN WITNESS WHEREOF, I have hereunto set my hand officially and affixed the seal of the City.

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Derek Bargmann, City Clerk

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Date