



LINCOLNSHIRE – PRAIRIE VIEW SCHOOL DISTRICT 103

1370 N. Riverwoods Road • Lincolnshire, Illinois 60069

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<http://www.d103.org>

BOARD OF EDUCATION AGENDA

MAY 8, 2018

The Committee of the Whole Meeting of the Board of Education of Lincolnshire-Prairie View School District 103 will be held on Tuesday, May 8, 2018 at 7:00 PM in the Learning Center of Daniel Wright Junior High School, 1370 N. Riverwoods Road, Lincolnshire, Illinois.

- A. Call to Order and Roll Call
Time: 3 Hours
- B. Pledge of Allegiance
- C. Staff Recognition Awards 2
Time: 15 Minutes
- D. Reception
Time: 15 Minutes
- E. Community Participation
- F. Discussion Items
Time: 2 Hours
 - 1. Master Facility Plan Discussion 3
 - 2. GPS Transportation Pilot Program Results 28
 - 3. Administrator and Classified Salary Increases 42
 - 4. Staffing Plan Update 43
- G. Community Participation
- H. Executive Session
Time: 30 Minutes
- I. Adjournment



Lincolnshire-Prairie View School District 103

May 2018

Retiree
Kimberly Sylvan

Years of Service Awards

10 Years

Christine Abrego, LS
Christopher Bernard, DW
Nancy Borkman, DW
Katrina Catullo, LS
Rachel Chiesa, LS
Michael Delabre, Trans
Julie Gaunky, DW
David Gilmore, Trans
Amy Grayes, HD
Anthony Hafner, DW
Gayle Harris, HD
Heather Korah, LS
John L'Heureux, LS
Susan Larson, DW
Debra Maske, Trans
Christina Muller, LS
Pamela Orals, LS
Jami Reed, HD
Rebekka Ristow, HD
Kenneth Seger, DW
Nicole Smolinski, LS
Katherine Snowden, DW
John Solis, LS
Kimberly Sylvan, Admin
Jodi Weiss, Trans
Shirley Williamson, HD

15 Years

Richard Booker, LS
Deborah Buchweitz, DW
Katherine Fender, DW
Cindy Nykiel, Trans
Rebecca Rendl, HD
Elizabeth Richter, LS
Simon Vasey, LS

20 Years

Rebecca Clay, LS
Cassandra Horvath, LS
Mickie Naughton, DW
Dawn Ripoli, LS
Lance Rockstroh, HD
Tracy Twardowski, HD
Joanne Widmark, LS

25 Years

Robynn Bryant, LS
Tracy Pardini, HD

30 Years

Michael Mol, DW



Lincolnshire-Prairie View School District 103

Memo

To: Board of Education
From: Scott Warren
Date: May 3, 2018
Re: Master Facilities Plan Presentation

Architects Dan Kritta and Tim McGrath from Wold/Ruck Pate will present the work they completed for the Master Facilities Plan.



Commission No. 183016

Master Facilities Plan

Lincolnshire-Prairie View #103

Laura B. Sprague Elementary School

Half Day Intermediate School

Daniel Wright Junior High School

May 8, 2018

Wold | Ruck Pate
110 North Brockway Street, Suite 220
Palatine, IL 60067
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**PLANNERS
ARCHITECTS
ENGINEERS**



Overview

In response to the District's desire to develop a Master Facilities Plan, Wold | Ruck Pate partnered with District leadership to create a six-year facility improvement planning tool reflecting current and future facility needs. The intent of the Master Facilities Plan is to identify necessary and anticipated improvements, assign project cost budgets to each scope of work and prioritize the improvements to guide Lincolnshire-Prairie View #103 in annual planning of facility upgrades. The Facility Improvement Planning Matrix is organized by school building and focuses on Security Improvements, Facility Deficiencies, and Alignment/Growth Improvements.

Data used to generate the Planning Matrix and establish priorities was collected through building tour observations, review of multiple District-provided documents and in collaborative discussions with District leadership. The documents provided by the administrative team included:

- Current 10 Year Health/Life Safety Report.
- District Security Improvement Project List.
- Residential Research Summary (2017-DecisionInsite)
- Facilities Assessment Update.
- Board Update – Enrollment Projections (March 2018)
- Analysis of Enrollment Projections (2018-DecisionInsite)
- Educational Alignment Plan (Wight and Co.)
- Equipment Survey Report (2012)
- Five Year Facilities Plan (Scott Gaunky-Director of Facilities)
- ComEd Energy Efficiency Report (April 2018)
- Miscellaneous Cost Estimate Proposals

To gain insights from District leaders, our team participated in two Administrative Council meetings targeted at understanding “Concluding Objectives” identified in the Educational Alignment Plan and defining specific criteria for potential improvements with a focus on Daniel Wright Junior High. Several progress meetings occurred with Administration and two meetings occurred with Principal Michelle Blackeley for discussion regarding space shortcomings and the complexity of the daily schedule at Daniel Wright Junior High School.



Facility Improvement Planning Matrix

Customarily, the Planning Matrix is a fluid document which serves as a guide for making decisions on annual capital improvements based on available funds and urgency of the needs. The Planning Matrix should be revisited after issues have been addressed or other factors (i.e. enrollment) drive changing criteria.

Each scope of improvement cited in the Matrix is accompanied by a project cost estimate which represents a construction cost assumption and potential soft costs (fees, testing, furniture and equipment, contingency) where applicable. This allows for comprehensive budgeting when projects are selected to be implemented. An escalation factor of 4% has been applied annually to each item unless noted in the description that 2018 values apply (See Daniel Wright Junior High Alignment/Growth Improvements). Several items note a design fee component which is accelerated ahead of the actual implementation year to reflect early design and bidding services. All highlighted items have been identified by the District to be funded through operational budgets. Potential Energy Savings items are noted as "Optional". The scopes of improvements for Energy items were developed by ComEd's Energy Efficiency Program and cite a payback period based on implementation costs ComEd provided. District-wide improvement totals are provided to understand alignment with annual budgets and initiate shifts in timelines to meet District needs.



Capacity/Utilization Understanding

As part of the Master Facilities Planning process, understanding the ability of each school to accommodate today's learners and future enrollment allows assessment of space shortcomings or surpluses. Lincolnshire-Prairie View #103 anticipates growth in enrollment over the next five (5) years. A capacity has been established for each school based on available teaching stations and the District's target for students per classroom. For this analysis, the current utilization of the building sets each space's use. Special Needs Program spaces and staff support rooms are not considered in establishing capacity. Grades PK-5 are based on a "homeroom" approach while the 6-8 grades are assessed using a utilization rate of 85%.

At a glance, Laura B. Sprague Elementary School and Half Day Intermediate School appear to have capacity to accommodate the projected five year growth at each school. Daniel Wright Junior High School is more difficult to assess student capacity due to a complex and staggered class schedule focused on optimal learning time for each grade level. Through several discussions and analysis of the class schedule, available space for potential growth appears to be lacking. Influences to the utilization stem from a shorter lunch period (30 minutes) for each grade, differences in class time length between 6th grade and 7th/8th grade and the desire to stagger passing times for better student flow. The capacity diagram for Daniel Wright Junior High depicts a more traditional "bell" schedule. Realistically, based on the current approach, any added enrollment by grade would increase class size beyond current counts or initiate an expansion to the facility.



Planning Concepts – Daniel Wright Junior High

Planning for space improvements are typically driven by enrollment shifts, strategic initiatives, obsolete learning environments, and inequities. With significant improvements recently completed at Laura B. Sprague and Half Day, Daniel Wright Junior High School is poised for modernization of learning environments consistent with the transformations at the other schools. Acceptance of the existing class schedule became a given when exploring potential improvements at the Junior High. The initial planning concept iteration attached to this document reflects internal improvement opportunities for learning environments and building flow. Further understanding space constraints and building organization preferences led to the second iteration of a planning concept. The second concept contemplates a more significant expansion to introduce swing space for future phase improvements and prepare for modest enrollment growth. The second concept also responds to a deeper layer of criteria expressed by the Principal. Most of the criteria which influenced the second planning concept overlapped the Concluding Objectives and others were building specific challenges.

- Shortcomings of the cafeteria/stage.
- Undersized music and performing arts spaces.
- Lack of identity of the 6th grade “house.”
- Inadequate special needs program spaces.
- Convoluted flow through the building.
- Deficiencies at the administration area and secure entrance.
- Need for additional classroom learning environments.
- Modernization of the FACS lab.
- Acoustic and daylighting shortcoming of “inboard” classrooms.
- Desire for legitimate STEAM spaces at all levels.

The approach to reaching a comprehensive transformation of the Junior High may require a multiple phase approach based on funding. As portrayed in the planning concept, phasing could be managed to free space for one improved area based on the completion to shift to another improved area. Further prioritization of which needs should be solved in the near term will dictate the best phasing approach. Concept estimates tagged to each potential area of improvement represent project costs in 2018 dollar values.



FACILITY IMPROVEMENT PLANNING MATRIX

Security Improvements				Implementation Year						
Category	Upgrade	Description	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Delay	Interior Classroom Window Glazing	Install laminate window film to protect tempered glass and prevent forced access into classrooms (interior entrances to classrooms in the addition only).	1	\$ 4,000.00						\$ 4,000.00
Detection	Basic Video Surveillance	Enhance basic video surveillance system that has cameras at main entrances and includes recording capabilities for forensic purposes including servers, cameras, etc.	1	\$ 140,000.00*						\$ 140,000.00
Deterrence	Exterior Window Identification	Ensure all interior rooms are labeled for emergency responders at exterior windows.	1	\$ 2,000.00						\$ 2,000.00
Security Improvements Total				\$ 146,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 146,000.00

*District-Wide Improvement

Facility Deficiencies Upgrades			Implementation Year						
Category	Description	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Site	Reconstruct Southwest Parking lot	4				\$ 351,500.00			\$ 351,500.00
Site	Reconstruct Pathway between Riverwoods Road and Southwest Parking Lot	2		\$ 97,500.00					\$ 97,500.00
Site	Seal Coat Hard Play Area	1	\$ 2,000.00						\$ 2,000.00
Site	Reconstruct Sidewalk on North Side of Building	1	\$ 125,900.00						\$ 125,900.00
Site	Reconstruct East Parking Lot	5					\$ 731,100.00		\$ 731,100.00
Site	Reconstruct Pavement and Drainage in East Courtyard	6						\$ 134,400.00	\$ 134,400.00
Site	Reconstruct Exterior Ramps to the two doors facing south that connect to the bus drop off drive	2		\$ 54,100.00					\$ 54,100.00
Site	Sealcoat and Striping	1	\$ 5,000.00		\$ 5,400.00				\$ 10,400.00
Interior	Renovation of 1st Grade Girls Bathroom	1	\$ 30,000.00						\$ 30,000.00
Interior	Renovation of Faculty Bathroom	1	\$ 10,000.00						\$ 10,000.00
Interior	Renovation of Nurses Office	1	\$ 5,000.00						\$ 5,000.00
Interior	Renovation 2nd Grade Girls Bathroom	2		\$ 30,000.00					\$ 30,000.00
Mechanical	Replace Boiler Pump for Boiler #1	3			\$ 7,500.00				\$ 7,500.00

FACILITY IMPROVEMENT PLANNING MATRIX

Facility Deficiencies Upgrades					Implementation Year							
Category		Description			Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Mechanical		Replace Boiler Pump for Boiler #2			3			\$ 7,500.00				\$ 7,500.00
Mechanical		Replace Gymnasium Air Handler			1	\$ 75,000.00						\$ 75,000.00
Category	Location	Violation	Correction	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total	
H/LS	P-1	Exterior wall of 1st #28	Water Hydrant without vacuum	Provide vacuum breaker for water	1	\$ 375.00					\$ 375.00	
H/LS	P-2	Exterior wall of T #26	Water Hydrant without vacuum	Provide vacuum breaker for water	1	\$ 375.00					\$ 375.00	
H/LS	P-3	Exterior wall of T #35	Water Hydrant without vacuum	Provide vacuum breaker for water	1	\$ 375.00					\$ 375.00	
H/LS	P-4	Exterior wall of ELL #43C	Water Hydrant without vacuum	Provide vacuum breaker for water	1	\$ 375.00					\$ 375.00	
H/LS	P-5	Roof	Water Hydrant without vacuum	Provide vacuum breaker for water	1	\$ 375.00					\$ 375.00	
Energy (Optional)	Install a Modern Building Energy Management System with Enhanced Controls (Per ComEd Energy Efficiency Program Report - Simple Payback = 10.9 years)					\$ 91,100.00					\$ 91,100.00	
Energy (Optional)	Gymnasium Lighting - Replace Existing Fluorescent Fixtures with LED Pendant Fixtures (Per ComEd Energy Efficiency Program Report - Simple Payback = 2.4 years)					\$ 2,200.00					\$ 2,200.00	
Energy (Optional)	Cafeteria Lighting - Replace Existing Fluorescent Fixtures with LED Troffer Fixtures (Per ComEd Energy Efficiency Program Report - Simple Payback = 7.0 years)					\$ 1,400.00					\$ 1,400.00	
Energy (Optional)	Classroom Lighting - Install Daylighting Controls (Per ComEd Energy Efficiency Program Report - Simple Payback = 3.0 years)					\$ 5,000.00					\$ 5,000.00	
Facility Deficiencies Upgrades Total						\$ 354,475.00	\$ 181,600.00	\$ 20,400.00	\$ 351,500.00	\$ 731,100.00	\$ 134,400.00	\$ 1,773,475.00

Operational Budget Subtotal	\$ 315,900.00	\$ 181,600.00	\$ 12,900.00	\$ 351,500.00	\$ 731,100.00	\$ 134,400.00	
Laura B. Sprague Elementary Totals	\$ 500,475.00	\$ 181,600.00	\$ 20,400.00	\$ 351,500.00	\$ 731,100.00	\$ 134,400.00	\$ 1,919,475.00

Note: Based on enrollment forecasts for Laura B. Sprague Elementary, the current capacity of the building can accommodate the anticipated student population. If an additional teaching station is required, the current Maintenance Room is designed to convert to a classroom space. The project cost estimate for the conversion is \$100,000 (2018 costs). The space for relocation of maintenance requirements is yet to be determined.



FACILITY IMPROVEMENT PLANNING MATRIX

Security Improvements				Implementation Year						
Category	Upgrade	Description	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Delay	Inside Locking Door Hardware	Replacing existing interior door hardware at 3rd Grade area and Library with mechanisms that have inside locking capability and impact resistant glass (15 doors).	1	\$ 30,000.00						\$ 30,000.00
Delay	Classroom Window Glazing	Install laminate window film to protect tempered glass and prevent forced access into 1st and 2nd floor classrooms.	1	\$ 10,000.00						\$ 10,000.00
Deterrence	Exterior Window Identification	Ensure all interior rooms are labeled for emergency responders at exterior windows.	1	\$ 1,600.00						\$ 1,600.00
Security Improvements Total				\$ 41,600.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,600.00

Facility Deficiencies Upgrades			Implementation Year						
Category	Description	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Site	Apply Pavement Rejuvenation to all pavement	5					\$ 29,300.00		\$ 29,300.00
Site	Adjust and Patch around manhole in pavement northwest of bus loading area	1	\$ 3,640.00						\$ 3,640.00
Site	Complete Playground addition including synthetic turf	6						\$ 553,000.00	\$ 553,000.00
Site	Reconstruct Exterior Stairway to old building	4				\$ 43,900.00			\$ 43,900.00
Site	Reconstruct sidewalk between main entrance and east parking area	3			\$ 49,200.00				\$ 49,200.00
Site	Sealcoat Parking Lot	2		\$ 5,000.00					\$ 5,000.00
Plumbing	Update Sanitary Drainage in Original Building	3			\$ 108,000.00				\$ 108,000.00
Electrical	Replace Lighting Fixtures in 3rd Grade Hallway	1	\$ 100,000.00						\$ 100,000.00
Electrical	Replace Lighting Fixtures in 1996 Addition	2		\$ 104,000.00					\$ 104,000.00
Interior	Replace interior doors in the 1950's addition including hardware for ADA compliance	4				\$ 117,000.00			\$ 117,000.00

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FACILITY IMPROVEMENT PLANNING MATRIX

Facility Deficiencies Upgrades			Implementation Year						
Category	Description	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Energy (Optional)	Install a modern building Energy Management System with enhanced controls (Per ComEd Energy Efficiency Program Report - Simple Payback = 16.1 years)		\$ 96,600.00						\$ 96,600.00
Energy (Optional)	Gymnasium Lighting - Replace existing fluorescent fixtures with LED pendant fixtures (Per ComEd Energy Efficiency Program Report - Simple Payback = 4.4 years)		\$ 4,300.00						\$ 4,300.00
Energy (Optional)	Classroom Lighting - Install daylighting controls (Per ComEd Energy Efficiency Program Report - Simple Payback = 2.9 years)		\$ 560.00						\$ 560.00
Energy (Optional)	Office Lighting - Install occupancy sensors (Per ComEd Energy Efficiency Program Report - Simple Payback = 4.8 years)		\$ 2,100.00						\$ 2,100.00
Facility Deficiencies Upgrades Total			\$ 207,200.00	\$ 109,000.00	\$ 157,200.00	\$ 160,900.00	\$ 29,300.00	\$ 553,000.00	\$ 1,216,600.00
Operational Budget Subtotal			\$ 103,640.00	\$ 109,000.00	\$ 157,200.00	\$ 160,900.00	\$ 29,300.00	\$ 553,000.00	
Half Day Intermediate School Totals			\$ 248,800.00	\$ 109,000.00	\$ 157,200.00	\$ 160,900.00	\$ 29,300.00	\$ 553,000.00	\$ 1,258,200.00

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FACILITY IMPROVEMENT PLANNING MATRIX

Security Improvements				Implementation Year						
Category	Upgrade	Description	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Delay	Inside Locking Door Hardware	Replacing existing interior door hardware with mechanisms that have inside locking capability.	1	\$ 112,000.00						\$ 112,000.00
Delay	Interior Classroom Window Glazing	Install laminate window film to protect tempered glass and prevent forced access into classrooms.	1	\$ 26,500.00						\$ 26,500.00
Delay	Vestibule Intercom System	Lock door to main offices and install an intercom system in vestibule so that office personnel can authorize visitors before access is granted.	1	\$ 5,000.00						\$ 5,000.00
Deterrence	Exterior Window Identification	Ensure all interior rooms are labeled for emergency responders at exterior windows.	1	\$ 2,000.00						\$ 2,000.00
Security Improvements Total				\$ 145,500.00						\$ 145,500.00

Facility Deficiencies Upgrades				Implementation Year						
Category	Description	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total	
Site	Improve Drainage of Athletic Fields	3			\$ 35,100.00				\$ 35,100.00	
Site	Reconstruct Bus Parking / Facilities Department Parking Lot in Concrete	5					\$ 821,600.00		\$ 821,600.00	
Site	Add Curb and Sidewalk to Ring Road Drop off Lane on north side of building (additional site impervious would be created with this and would require storm water detention or reduction in other impervious coverage)	2		\$ 76,800.00					\$ 76,800.00	
Site	Reconstruct main entrance drives and ring roads	6						\$ 1,216,800.00	\$ 1,216,800.00	
Site	Reconstruct Southeast Parking Lot	6						\$ 532,100.00	\$ 532,100.00	
Site	Reconstruct Northeast Parking Lot	6						\$ 494,300.00	\$ 494,300.00	
Site	Reconstruct Northwest Parking Lot	6						\$ 213,000.00	\$ 213,000.00	
Site	Relocate bike racks to main entrance with new concrete pad	1	\$ 12,500.00						\$ 12,500.00	
Site	Ensure all entrances, walkways, and parking areas are well lit throughout the night. Upgrade poles and lighting.	3						\$ 54,000.00	\$ 54,000.00	
Site	Sealcoat all Parking Lots	1	\$ 5,000.00			\$ 5,600.00			\$ 10,600.00	
Exterior	Replace Single-Glazed Windows remaining in 1972 and 1991 Additions				\$ 81,100.00				\$ 81,100.00	

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FACILITY IMPROVEMENT PLANNING MATRIX

Facility Deficiencies Upgrades					Implementation Year						
Category	Description			Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Exterior	Remove and replace remaining ballasted membrane roof system			4				\$ 826,000.00			\$ 826,000.00
Interior	Provide Window shading devices at 7th and 8th Grade wing classrooms				\$ 10,800.00						\$ 10,800.00
Interior	Paint Green Gym			1	\$ 10,000.00						\$ 10,000.00
Electrical	Replace Fire Alarm Panel/System			3			\$ 95,500.00				\$ 95,500.00
Electrical	Replace Electrical Switch Gear (Size for Addition)			2	\$ 7,000.00	\$ 113,000.00					\$ 120,000.00
Hazardous Materials	Remove Asbestos Containing Materials			2		\$ 60,000.00					\$ 60,000.00
Plumbing	Replacement of galvanized domestic water pipe due to corrosion/blockage including asbestos abatement			2	\$ 10,000.00	\$ 260,000.00					\$ 270,000.00
Plumbing	Provide Fire Suppression System Throughout Building (7th and 8th Grade Wings Complete)			3			\$ 578,000.00				\$ 578,000.00
HVAC	Replace both Air Handler Units Serving the Green Gym			3			\$ 75,000.00				\$ 75,000.00
HVAC	Replace Rooftop Air Handler Unit Serving South Wing			6					\$ 77,000.00		\$ 77,000.00
HVAC	Replace carrier air handler located in Boiler Room			3			\$ 39,500.00				\$ 39,500.00
HVAC	Replace circulating pumps for water heater				\$ 2,200.00						\$ 2,200.00
Category	Location	Violation	Correction	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
H/LS	A-1	Corridor north of Library	Dead end corridor	Replace existing doors with doors allowing egress in both directions	2		\$ 9,750.00				\$ 9,750.00
H/LS	A-2	Corridor west of Green Gym	Dead end corridor	Add set of doors to reduce dead end corridor length	2		\$ 9,750.00				\$ 9,750.00
H/LS	A-3	Corridors in classroom pods to north and south of Library	Dead end corridor	Remodel corridors and add set of doors to reduce dead end corridor length	2		\$ 39,000.00				\$ 39,000.00
H/LS	A-3	Music Storage/ Second Egress	Second egress is through intervening space	Remodel intervening space to clearly function as dedicated egress	2		\$ 13,000.00				\$ 13,000.00
H/LS	A-7	Electrical room (near Faculty Lounge)	Rated door does not latch properly	Replace door with new rated door to latch properly	2		\$ 3,900.00				\$ 3,900.00

**Represents Design Fees for Work Scope

Note: Some Health/Life Safety Items (H/LS) would be resolved if the entire facility receives a fire suppression system. The following items and associated costs would be removed from the Matrix: A-1, A-2, A-3

FACILITY IMPROVEMENT PLANNING MATRIX

Facility Deficiencies Upgrades						Implementation Year						
Category		Location	Violation	Correction	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
H/LS	M-1	FACS Lab #126	No emergency fuel burner switch	Provide emergency fuel burner switch	1	\$ 3,200.00						\$ 3,200.00
H/LS	M-2	PE Of. #135	No ventilation air provided	Provide ventilation air per new codes	1	\$ 2,500.00						\$ 2,500.00
H/LS	M-3	Storage Room	Chemicals are not vented per code	Provide cabinet vent per manufacturers recommendation and code requirements	1	\$ 1,900.00						\$ 1,900.00
H/LS	E-1	Multiple Locations (37 Total)	Fire Alarm Visual missing	Provide new fire alarm visual device	2		\$ 28,600.00					\$ 28,600.00
H/LS	E-2	Home Economics 126, Fine Arts 5	Fire Alarm Pull station missing	Provide new fire alarm pull station	2		\$ 1,600.00					\$ 1,600.00
H/LS	E-3	Special Edu. 134, Special Edu. 133, Music 9, Practice 10, Computer lab 100	Smoke detector missing	Provide new smoke detector, 2 detectors required in Special Edu. 134	2		\$ 4,700.00					\$ 4,700.00
H/LS	E-4	Orch. Storage 12, Towel 36, Boys locker 34, Storage 30, Special Edu 121	Heat detector missing	Provide new heat detector	2		\$ 3,900.00					\$ 3,900.00
H/LS	E-5	Corridors, Gen office 27, Green Gym	Exit Sign missing	Provide exit signs in 4 locations	1	\$ 2,500.00						\$ 2,500.00
H/LS	E-6	Corridors, Gen office 27	Emergency lighting missing	Provide emergency lights in 6 locations	1	\$ 4,125.00						\$ 4,125.00
H/LS	E-7	Cafeteria 28	SO (flexible) cord connected emergency lighting	Replace flexible cord with conduit	1	\$ 300.00						\$ 300.00
H/LS	P-1	Prep #147	No grease interceptor for triple sink	Provide grease interceptor	2		\$ 2,600.00					\$ 2,600.00
H/LS	FP-1	Stage #28A	No sprinklers for permanent stage	Provide sprinkler system for the stage area	2		\$ 10,400.00					\$ 10,400.00
Category	Description				Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Energy (Optional)	Gymnasium Lighting - Replace Existing Fluorescent Fixtures with LED Pendant Fixtures (Per ComEd Energy Efficiency Program Report - Simple Payback = 2.3 years)					\$ 5,300.00						\$ 5,300.00
Energy (Optional)	Classroom Lighting - Replace Existing Lighting with LED Troffer Fixtures (Per ComEd Energy Efficiency Program Report - Simple Payback = 10.9 years)					\$ 158,000.00						\$ 158,000.00
Energy (Optional)	Kitchen Lighting - Replace Existing Lighting with LED Troffer Fixtures (Per ComEd Energy Efficiency Program Report - Simple Payback = 14.8 years)					\$ 4,400.00						\$ 4,400.00
Energy (Optional)	Install a Modern Building Energy Management and System with Enhanced Controls (Per ComEd Energy Efficiency Program Report - Simple Payback = 12 years)					\$ 147,000.00						\$ 147,000.00
Energy (Optional)	Install Variable Speed Drive Controls on the Boiler Pump (Per ComEd Energy Efficiency Program Report - Simple Payback = 2.3 years)					\$ 4,100.00						\$ 4,100.00
Facility Deficiencies Upgrade Total						\$ 390,825.00	\$ 637,000.00	\$ 904,200.00	\$ 831,600.00	\$ 821,600.00	\$ 2,587,200.00	\$ 6,172,425.00

**Represents Design Fees for Work Scope

Note: Some Health/Life Safety Items (H/LS) would be resolved as part of the Fire Alarm System Replacement noted in the Electric Category. The following items and associated cost would be removed from the Matrix: E-1, E-2, E-3, E-4



FACILITY IMPROVEMENT PLANNING MATRIX

Alignment/Growth Improvements			Implementation Year						
Category	Description	Priority	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Growth	Cafeteria/Arts Addition (Escalated for Year of Implementation)			\$ 170,000.00	\$ 4,122,000.00				\$ 4,292,000.00
Program	FACS Lab Renovation (Cost Shown to Reflect 2018 Dollars)							\$ 365,000.00	\$ 365,000.00
Program	Art Room Improvements (Cost Shown to Reflect 2018 Dollars)							\$ 186,000.00	\$ 186,000.00
Program	Special Needs Suite Renovations (Cost Shown to Reflect 2018 Dollars)							\$ 349,440.00	\$ 349,440.00
Program	6th Grade "House" Renovation (Cost Shown to Reflect 2018 Dollars)							\$ 1,267,000.00	\$ 1,267,000.00
Program	Learning Commons Development (Cost Shown to Reflect 2018 Dollars)							\$ 1,755,000.00	\$ 1,755,000.00
Program	Activation Link/STEM (Cost Shown to Reflect 2018 Dollars)							\$ 1,137,000.00	\$ 1,137,000.00
Growth	Administration/Entrance Relocation (Cost Shown to Reflect 2018 Dollars)							\$ 1,900,000.00	\$ 1,900,000.00
Program	7th/8th Grade Collaboration Node (Cost Shown to Reflect 2018 Dollars)							\$ 155,000.00	\$ 155,000.00
Alignment/Growth Improvement Total			\$ -	\$ 170,000.00	\$ 4,122,000.00	\$ -	\$ -	\$ 7,114,440.00	\$ 11,406,440.00

**Represents Design Fees for Work Scope

Operational Budget Subtotal	\$ 44,500.00	\$ 509,800.00	\$ 245,100.00	\$ 5,600.00	\$ -	\$ -	
Daniel Wright Junior High School Totals	\$ 536,325.00	\$ 807,000.00	\$ 5,026,200.00	\$ 831,600.00	\$ 821,600.00	\$ 9,701,640.00	\$ 17,724,365.00

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FACILITY IMPROVEMENT PLANNING MATRIX

Laura B. Sprague Elementary							
	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Operational Budget Subtotal	\$ 315,900.00	\$ 181,600.00	\$ 12,900.00	\$ 351,500.00	\$ 731,100.00	\$ 134,400.00	
Laura B. Sprague Elementary Totals	\$ 500,475.00	\$ 181,600.00	\$ 20,400.00	\$ 351,500.00	\$ 731,100.00	\$ 134,400.00	\$ 1,919,475.00

Half Day Intermediate School							
	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Operational Budget Subtotal	\$ 103,640.00	\$ 109,000.00	\$ 157,200.00	\$ 160,900.00	\$ 29,300.00	\$ 553,000.00	
Half Day Intermediate School Totals	\$ 248,800.00	\$ 109,000.00	\$ 157,200.00	\$ 160,900.00	\$ 29,300.00	\$ 553,000.00	\$ 1,258,200.00

Daniel Wright Junior High School							
	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
Operational Budget Subtotal	\$ 44,500.00	\$ 509,800.00	\$ 245,100.00	\$ 5,600.00	\$ -	\$ -	
Daniel Wright Junior High School Totals	\$ 536,325.00	\$ 807,000.00	\$ 5,026,200.00	\$ 831,600.00	\$ 821,600.00	\$ 9,701,640.00	\$ 17,724,365.00

District-Wide							
	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	Total
District-Wide Operational Budget Subtotal	\$ 464,040.00	\$ 800,400.00	\$ 415,200.00	\$ 518,000.00	\$ 760,400.00	\$ 687,400.00	
District-Wide Totals	\$ 1,285,600.00	\$ 1,097,600.00	\$ 5,203,800.00	\$ 1,344,000.00	\$ 1,582,000.00	\$ 10,389,040.00	\$ 20,902,040.00

17



Appendix

- Concluding Objectives/Design Criteria
- Meeting Minutes
- Capacity/Utilization Diagrams
- Planning Concepts



Additional issues for consideration/inclusion into the Master Facilities Plan:

1. Concluding Objectives
 - a. Flexibility
 - b. Individualized Small Group Learning (Spaces)
 - c. Student Facilitated Learning
 - d. Technology Enabled Learning
 - e. Experiencing and Doing
 - f. Engaging “Happy” Students
 - g. Administrative Functionality
 - h. “Hoteling” Function – Staff home base for cross pollination of ideas
 - i. Integration of cultural exposure to reflect diversity of educational community
 - j. Safety and Security
 - k. Accommodate enrollment growth
 - l. Enhanced flow through building

2. Educational Alignment Criteria:
 - a. Flexible staff/planning space
 - b. Large Group Collaborative Space(s) – staff department
 - c. “Innovation” Lab/Pilot Space to test drive ideas/approaches
 - d. Large Group Flex Space for Music (Band/Choir/Orchestra)
 - e. More District-wide Storage (On-site classified files and staging space)
 - f. District Food Service (Large kitchen to prep all District-wide food)
 - g. Additional Parking at Half Day School
 - h. Bus Parking Space (Enough area?) – effect on staff parking
 - i. Improved Health/Nursing Area
 - j. Administration distributed throughout Facility
 - k. Social/Psychologist group space distributed (push-ins/pull-outs)
 - l. Transportation requires more toilet fixtures (population/count issue)
 - m. Collaborative Spaces – for independent/project work
 - n. Multiple Media points in all learning spaces (Steelcase Learn Lab Model?)
 - o. Whiteboards with storage behind
 - p. More technology abilities with enough power
 - q. More Group Rooms to support Social/Emotional well-being of students
 - r. Smaller group space for multi-lingual
 - s. Mock living space environment and for special programs.
 - t. Guided program equipment and storage capabilities (larger space)
 - u. FACS needs upgrades
 - v. Storage for Art within room
 - w. Flexible Art space
 - x. Privacy stalls for changing rooms and restrooms
 - y. More space in classrooms
 - z. General gym refresh
 - aa. “Daylight” in inboard classrooms



**RUCK
PATE**

50 | 1968
YEARS | 2018

To: Attendees
From: Dan Kritta | DK
Date: April 25, 2018
Comm. No: 183016

Subject: Lincolnshire – Prairie View 103
Daniel Wright Junior High Planning
April 17, 2018 Meeting Minutes

Attendees:

Michelle Blackley, Lincolnshire – Prairie View 103	mblackley@d103.org
Tim McGrath, Wold Ruck Pate	tmcgrath@woldae.com
Dan Kritta, Wold Ruck Pate	dkritta@woldae.com

Discussion Topics:

- A. Discussion regarding Daniel Wright Junior High schedule and program needs.
1. Currently the schedule for sixth, seventh, and eighth grade students have limited alignment. Staggered schedules are due to optimizing learning time by age group.
 2. Part of the offset schedule is due to grade level lunches of 30 minutes each.
 3. Orchestra (Room 128) needs to accommodate 100 students.
 4. Beginning in 2018/2019 school year, sixth graders will have band, orchestra, and choir instruction during the school day in lieu of after school.
 5. For planning purposes, anticipate 100 students in band and orchestra per grade. All instruments are currently stored in the band room.
 6. Performing Arts (drama class) occurs in Room 129. Seventh and eighth graders are in this class every day.
 7. The Family and Consumer Science (FACS) lab is in need of significant improvements. A “peninsula” approach layout is preferred over the perimeter stations due to supervision.
 8. Many small group instruction spaces are limited in size.
 9. Two Spanish instructors are accommodated in Room 155A but move to appropriate space (on carts) when teaching.
 10. Learning Behavior Specialist (LBS) spaces typically accommodate eight to ten students. Most existing spaces are undersized for this amount of students.
 11. Regarding enrollment growth, it is anticipated that another section per grade level will need to be accommodated.
 12. Interior classrooms (115, 116, 117, 118) serve as the “math block.”
 13. Ideally, all ten sixth grade teachers would be located in one area to align with a multi-disciplinary approach. Currently, some sixth grade student lockers are in the Arts wing.

Wold | Ruck Pate
110 North Brockway Street, Suite 220
Palatine, IL 60067
woldae.com | 847 241 6100

**PLANNERS
ARCHITECTS
ENGINEERS**



**RUCK
PATE**

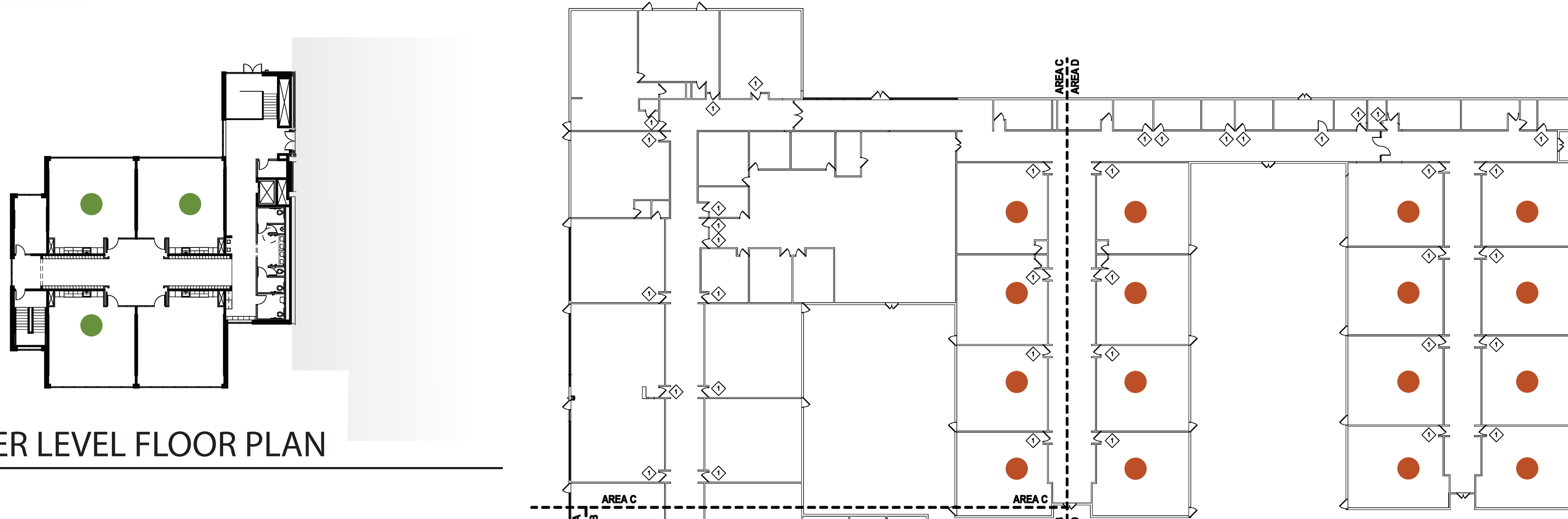
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14. When fifth graders left Daniel Wright Junior High, space did not necessarily free up.
 - a. There were additional teachers instructing from carts.
 - b. A section was added to each grade level.
 - c. Guided and IEP expanded which occupies two classrooms.
15. The concerns over student flow occur primarily at the sixth grade level.
16. Math classrooms 116 and 117 are distracted by gymnasium activity noise due to the shared wall between these spaces.
17. The cafeteria accommodates an after-school study program (PASS) and pom/cheerleading activities. The blend of activities in this space presents noise conflicts between studying and physical activities.
18. The Creative classes typically serve 30-32 students per class. With growth, this will reach 35+ per class.
19. IEP and Special Needs programs require space to conduct physical therapy and large motor activities.
20. Some Special Needs students are mainstreamed into general classes. It is not desirable to create a Special Needs wing. The isolation of Special Needs students can create a stigma regarding an area of the building.
21. Counselor/Social workers are preferred to be distributed into core of the facility in lieu of inclusion with main office.
22. Sixth grade STEM program is located in Room 109A. There is no STEM program for seventh and eighth grade students – the spaces do not exist.
23. CAPE (Creative Arts/Physical Education) spaces are used six periods per day.
24. Special needs and small group environments are typically space challenged based on number of students served.
 - a. Six to seven students in Room 200.
 - b. Six students in Room 225.
 - c. Twelve students in Room 222.
 - d. Eight students with multiple stations in Room 221.
 - e. Ten to twelve students in Room 220.
 - f. Eight students in Room 114.
 - g. Room 107, shared with 106, need more space for equipment.
25. More student lockers are needed in the corridors. Additional physical education lockers are needed in the locker rooms which could leverage the shower areas available.
26. Eight students in the building have aides.
27. The Tech Room serves as a home base for technology support. Some instructional activity takes place when students require computers beyond personal device capabilities.
28. Core classroom student counts are typically between 23-27 per class. Creative arts class student counts are typically between 28-32.

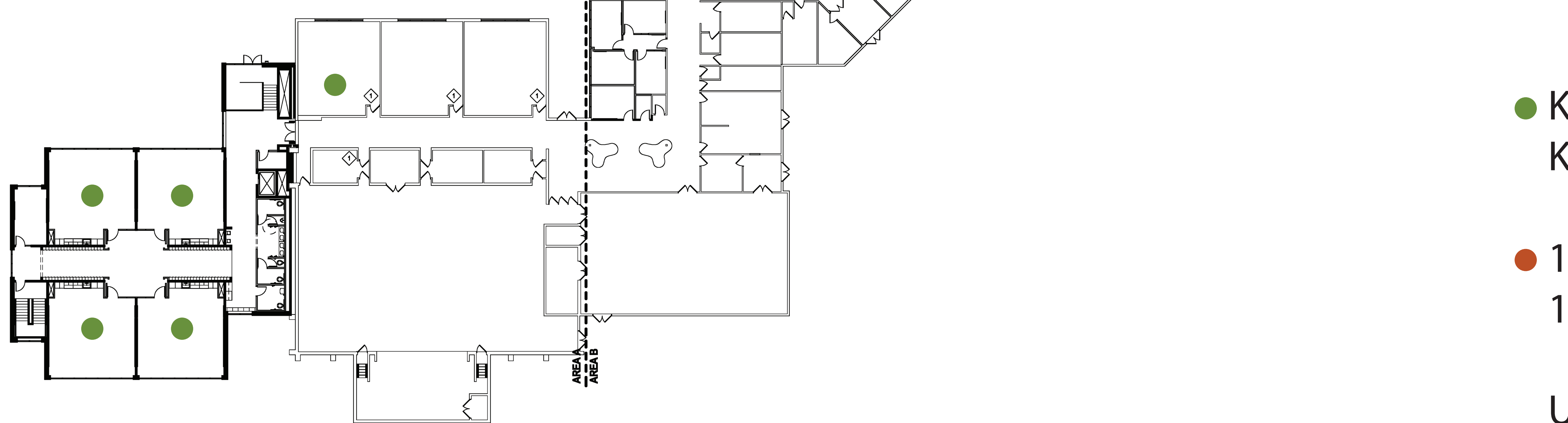
cc: Dr. Scott Warren, D103
Patrick Palbicke, D103
Scott Gaunky, D103

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2 LOWER LEVEL FLOOR PLAN

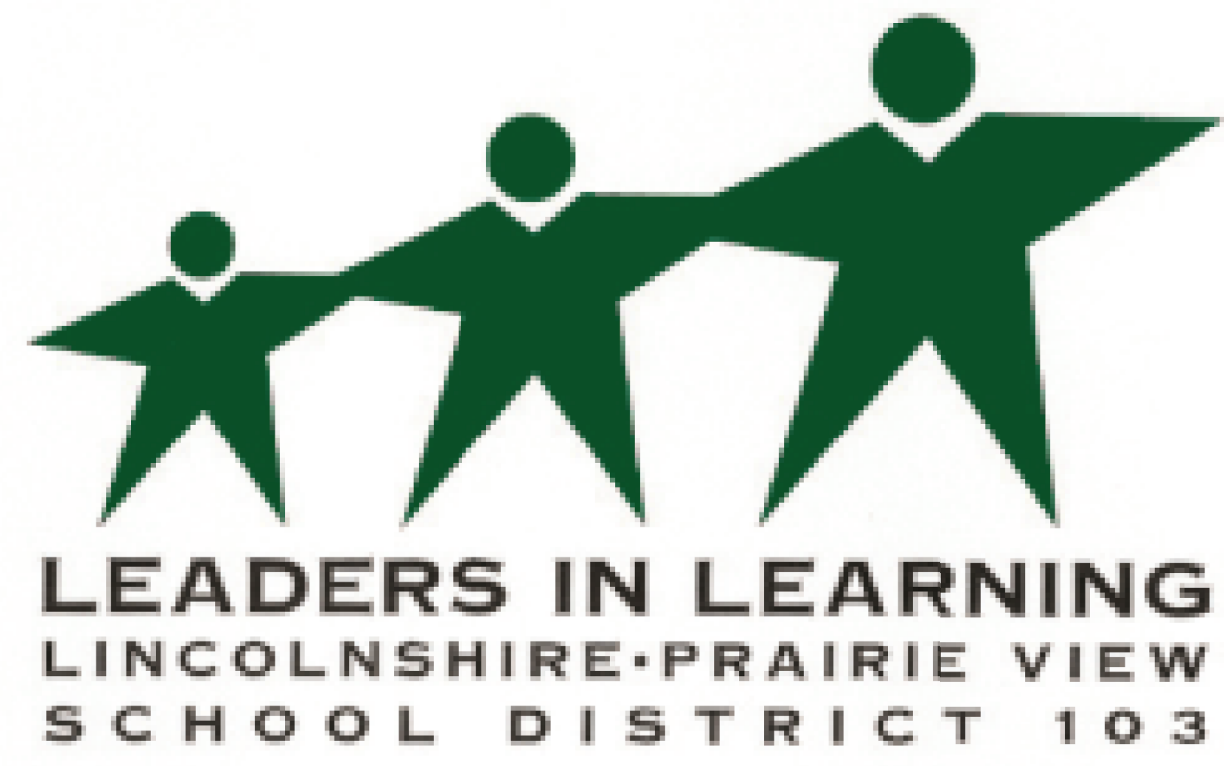


1 OVERALL MAIN LEVEL FLOOR PLAN



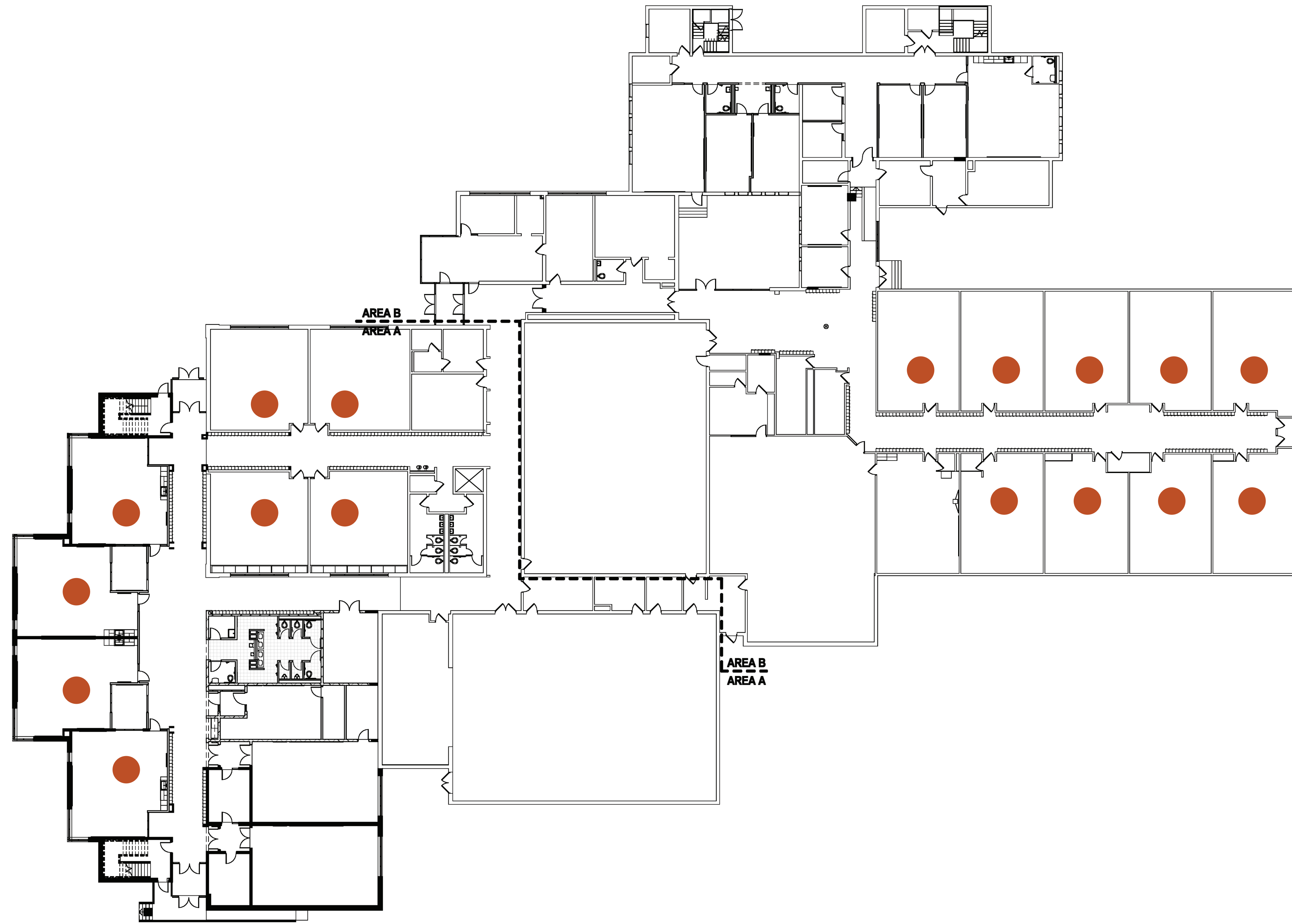
YEAR	ESTIMATE
2018/2019	519
2019/2020	535
2020/2021	530
2021/2022	530
2022/2023	530

- K Teaching Stations = 9
- K Class Size (Max) = 20
- TOTAL = 180
- 1-2 Teaching Stations = 16
- 1-2 Class Size (Max) = 25
- TOTAL = 400
- Utilization Factor = 100 %
- Current Student = 580
- Capacity



Half Day Intermediate School

Lincolnshire - Prairie View #103
Master Facilities Plan
Capacity/Utilization Assessment

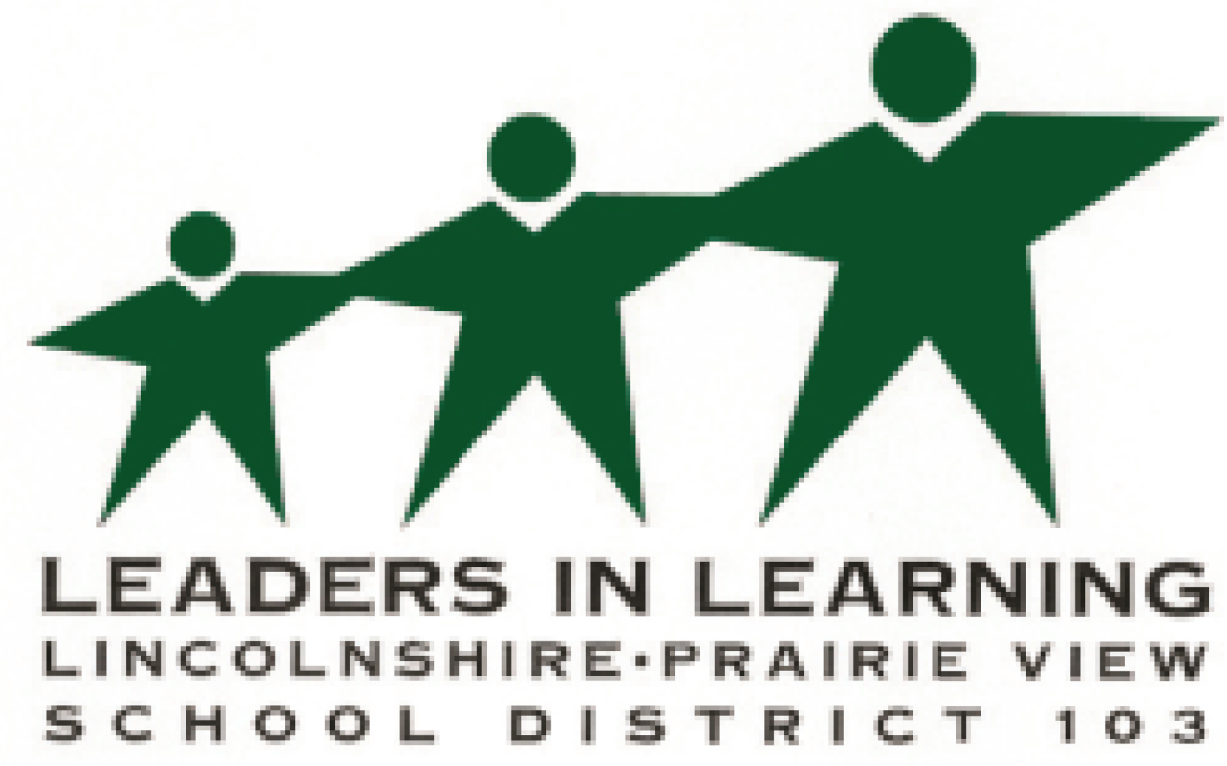


YEAR	ESTIMATE
2018/2019	616
2019/2020	637
2020/2021	642
2021/2022	668
2022/2023	687

- Teaching Stations = 26
- Class Size (Max) = 28
- Utilization Factor = 100 %

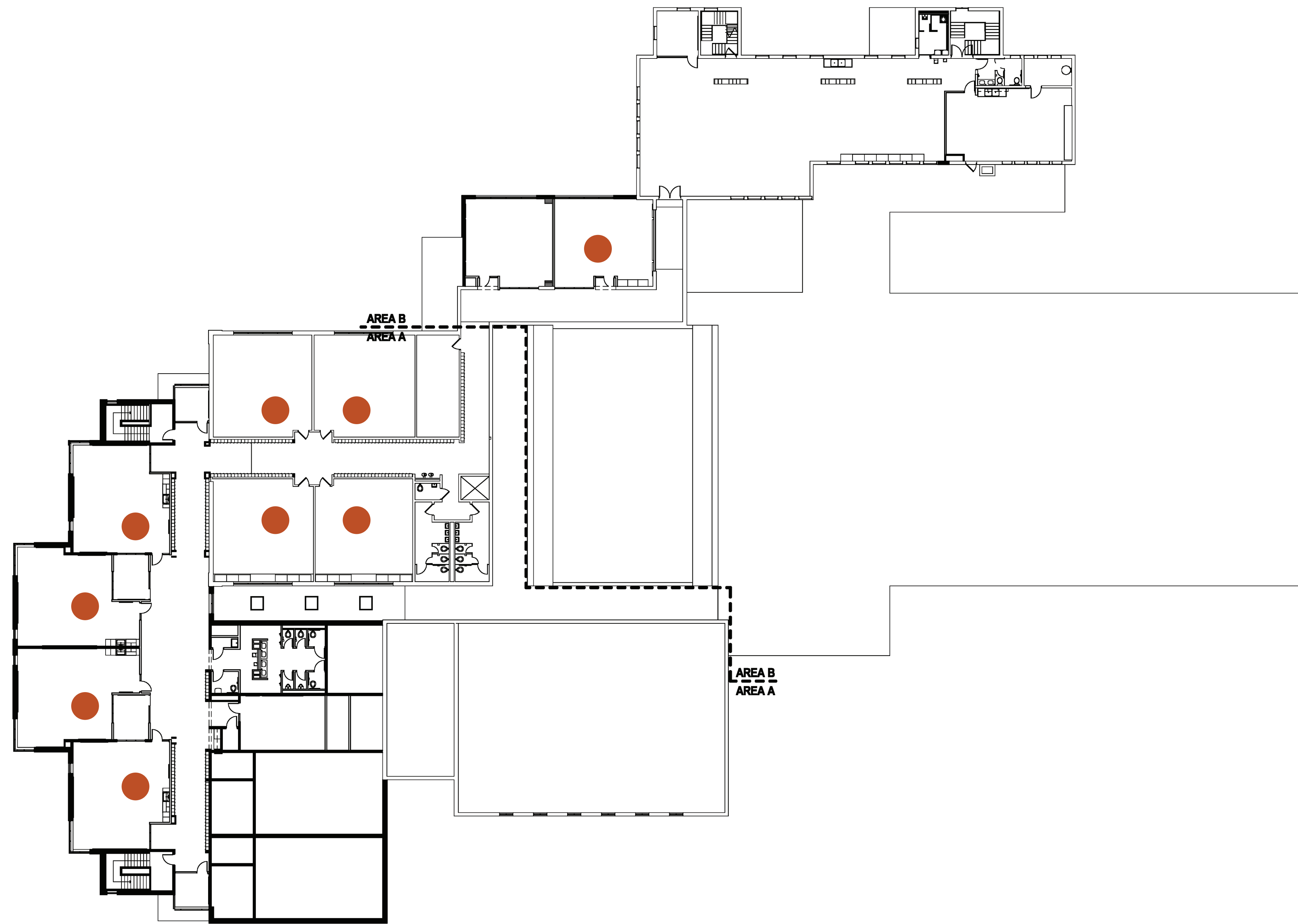
Current Student = 728
Capacity

2 OVERALL SECOND FLOOR PLAN



Half Day Intermediate School

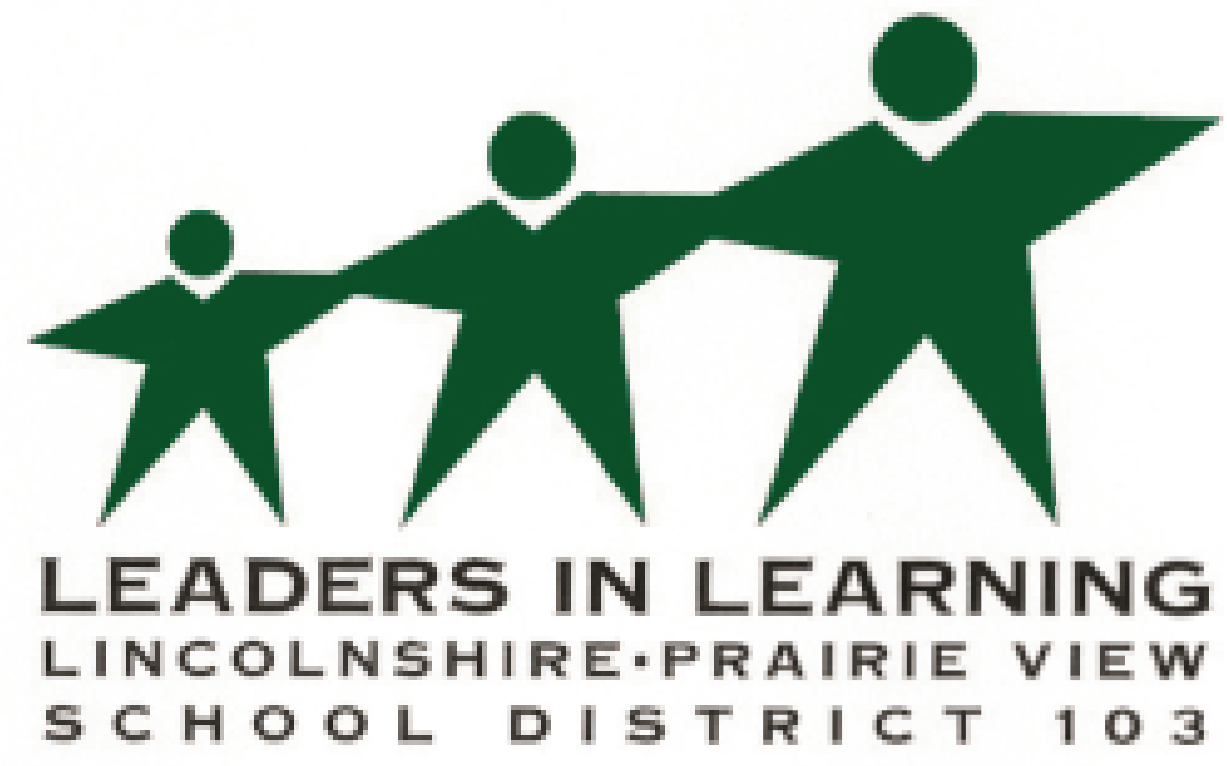
Lincolnshire - Prairie View #103
Master Facilities Plan
Capacity/Utilization Assessment



- Teaching Stations = 26
- Class Size (Max) = 28
- Utilization Factor = 100 %

Current Student = 728
Capacity

1 OVERALL FIRST FLOOR PLAN



Daniel Wright Junior High School

Lincolnshire - Prairie View #103
Master Facilities Plan
Capacity/Utilization Assessment



YEAR	ESTIMATE
2018/2019	676
2019/2020	687
2020/2021	743
2021/2022	738
2022/2023	765

● Teaching Stations = 44
 Class Size (Pref.) = 24
 Utilization Factor = 90 %

Current Student = 950
 Capacity

1 OVERALL FIRST FLOOR PLAN



Daniel Wright Junior High School

Lincolnshire - Prairie View #103
Master Facilities Plan
Planning Concepts - First Iteration

Potential Addition
Concept Estimate:
\$1,800,000

Creative Skills Labs
Concept Estimate: \$1,200,000

Activation Link
Concept Estimate:
\$998,000

Fab Labs
Concept Estimate:
\$608,400

Collaboration Node
Concept Estimate:
\$155,000

Collaboration Node
Concept Estimate: \$110,000

Learning Commons/Cafeteria Transformation
Concept Estimate: \$3,340,000

Support Space Renovations
Concept Estimate:
\$505,000

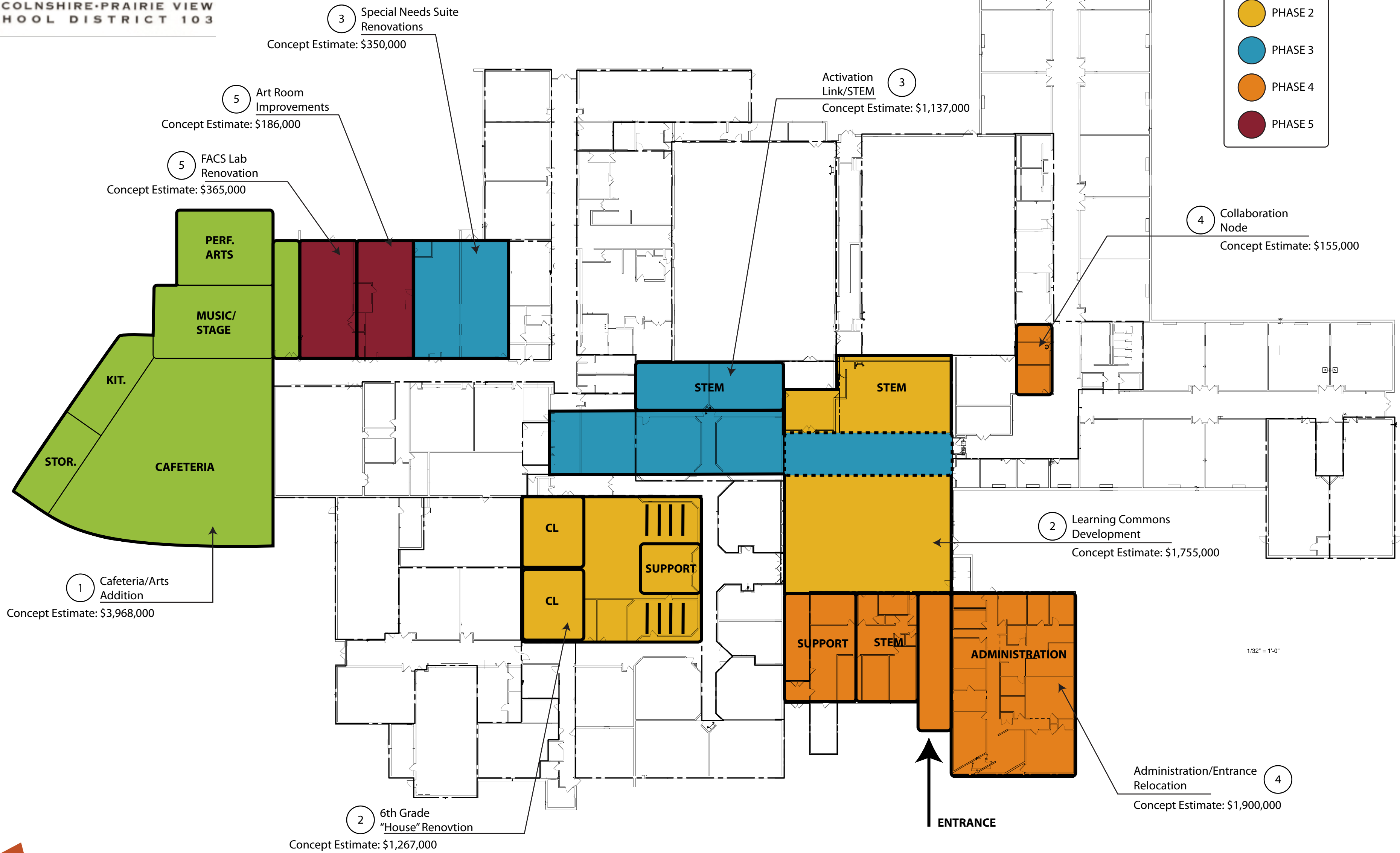
Collaboration Node
Concept Estimate: \$196,000

Secure Entrance/
Administration Enhancements
Concept Estimate: \$492,000

1/32" = 1'-0"

Daniel Wright Junior High School

- PHASE 1
- PHASE 2
- PHASE 3
- PHASE 4
- PHASE 5



27



Lincolnshire-Prairie View School District 103
Office of Transportation Services

1370 N. Riverwoods Road • Lincolnshire, IL 60069
847/295-4030 • FAX 847/295-9196
<http://www.d103.org>

Anthony Mendoza
Director of Transportation

Wayne McGee
Fleet Manager

MEMO

To: Board of Education
CC: Dr. Scott Warren
From: Anthony Mendoza
Date: May 3, 2018
RE: GPS Pilot Program

At the Transportation Meeting on September 7, 2017, we received requests from parents to look at the possibility of using a system similar to what Stevenson High School uses to track and report the location of the school bus to parents and students. In the audience happened to be Mr. Ron Efroni. He is the CEO and Founder of a GPS company called Slyde. At this meeting, Mr. Efroni offered to conduct a pilot program utilizing GPS with our buses.

In this pilot program, we installed a GPS unit in two buses Bus 1 (Half Day and Sprague) and Bus 12 (Daniel Wright). We uploaded routes into Slyde and over the course of a few months, we ran the buses with the GPS units while I monitored the desktop website as well as the phone app. I utilized the phone app as if I were a parent so I could see what the parent would experience. During these months, I reported any issues to Slyde as well as provided suggestions on improvements.

To register with the app, it uses a specific code for each user which is generated by Slyde. Once we received those codes from Slyde, we needed to find a way to get it to each parent (looking at the big picture, how would we roll this out district wide). We had to add a field in our VersaTrans routing system to put the codes to match up student data. Once this was completed, the next task was to find a way to post the codes, securely, in PowerSchool. I turned to Heather Marzullo for assistance. She was able to work with PowerSchool to add a field in the parent screen in PowerSchool for the codes.

Once the field was created, we then worked on a way to extract the data from VersaTrans and import into PowerSchool. After some trial and error, we were successful in importing the data.

On March 15, 2018, I was comfortable with the system to roll it out to the families of bus 1 and 12. I emailed each parent with an introduction of the system as well as installation and how-to guides. The parent downloads the free app and uses the code to register on the app. For security purposes, the code can only be used once.

At the second Transportation Meeting on May, 2, 2018, Mr. Efroni noted that we now have 20 users out of approximately 179 families using the phone app.

The app shows a picture of a bus and its location. As a user, you will receive push alerts on your phone on the estimated time of arrival. When the bus arrives at the child's stop, a notification is sent. Another notification is also sent when the bus reaches the school in the morning.

During this pilot program, Mr. Efroni has provided his telephone and email address to collect feedback from parents.

Slyde is not the first pilot program the transportation department has participated in. We've also piloted two different systems 2 years ago. Those companies were Tyler Telematic GPS and ZONAR. Slyde is a newer company still developing their systems while Tyler and ZONAR have been around for several years. Both Tyler and ZONAR are more robust systems that offer features Slyde currently cannot.

Features such as when the doors open/close, turn signal usage, stop arm use, harsh breaking, monitor idling, monitor and alert on engine diagnostics, collision alerts, ability to use geo fencing and immediate call back of routes. In addition to those listed items. Tyler Telematic GPS is a module of our existing VersaTrans routing system. With Tyler, routing would be more efficient and less time consuming. Tyler would allow us to receive alerts should a driver go off course from their route and also allows for quick and easy route updates. Since Tyler can be integrated with our routing system, the GPS works seamlessly together and allows for options such as immediate recall of student information without having to switch screens or systems.

As you know, GPS systems can be costly. If we were to move forward with a system, we'd want to utilize a system that will assist in keeping our students safe as well as provide efficient solutions as well as ways to reduce operating costs. Below, I've included the past quotes that received for comparison. I will also include documents from the companies with this memo.

Tyler Telematic	\$23,087.00 initial and \$9,812.00 annual fee*
Zonar (owned)	\$22,229.43 initial and \$8,396.64 annual fee*
Zonar (leased)	\$8,486.64 annual fee*
Slyde	\$4,500.00 one-time upfront payment for one year

**These quotes are from 2016 and are no longer valid. Strictly for information purposes.*





Tyler Telematic GPS

More than Vehicle Location, Speed, and Heading

GPS technology has become common in everyday life, from devices in our cars to our mobile phones. Traditional GPS solutions which provide location, speed, and heading have been available for school buses for many years, but have yet to provide a true return on investment (ROI). Now, more than ever, school districts have a responsibility to be financially conservative by making purchases with a proven ROI. Tyler Telematic GPS™ is the first solution which delivers measurable ROI by providing a complete view of the vehicle, driver, and engine.

Why Choose Tyler Telematic GPS over a Traditional GPS Solution?

You need to find value in your investment. Significant ROI cannot be realized through the traditional GPS data of longitude, latitude, time, and odometer readings alone. You need to be able to identify problems before they occur, both with drivers and vehicles. You need to be able to accurately identify and correct idling issues. You need to provide the best service you can possibly provide and find ways to save money while doing it — you need Tyler Telematic GPS.

What is Tyler Telematic GPS?



Tyler Telematic GPS is the only solution that can provide significant cost savings in these four operational areas:

- **Driver training and risk management** — Built-in g-force measurement helps track driver behavior, including harsh braking and rapid acceleration. The solution creates a profile for each driver that can be monitored and reported on to help improve driver training programs.
- **Productivity** — Full integration with Versatrans Onscreen[®] and Versatrans[®] Routing & Planning allows for route and street imports, planned versus actual comparison, and geofencing alerts. This ensures that the district is utilizing the most efficient paths while still providing a high level of service.
- **Fleet maintenance** — Each unit includes On-Board Diagnostic (OBD) monitoring. Alerts are sent whenever an issue surfaces, for example low battery voltage or a change in oil pressure. These alerts give mechanics the opportunity to enhance preventive maintenance and avoid untimely and costly breakdowns and repairs.
- **Regulatory compliance** — The system complies with CSA2010 and creates driver scorecards. Performance against environmental regulations and standards can also be tracked through green scorecards.

continued

Tyler Telematic GPS

The Software

MyGeotab™

MyGeotab™ monitors the status of the internal functions of the engine every second, giving mechanics advanced notice of issues to help prevent breakdowns and costly repairs.

- **Engine condition alerts** — User-defined alerts can be sent regarding battery voltage levels, low fuel, oil pressure, and more.
- **Driver scorecards** — Create benchmarks that trainers can score their drivers against for enhanced driver training programs.
- **Green scorecards** — Manage the environmental impact your vehicles have and stay ahead of any regulations or laws.
- **Customizable dashboard** — Quick graphs and charts are continuously updated with live data to assist in monitoring the elements you need to keep an eye on.
- **Manage by exception** — Be instantly notified by email or text message if a vehicle or driver triggers an exception alert. There is no limit to the number of exceptions.
- **Driver time tracking** — Keep track of the time your drivers spend behind the wheel through reports and the use of Near Field Communications (NFC) Driver Keys.
- **Easy report creation** — Use Microsoft Excel® to view and modify standard reports. Modified reports can then become part of your customizable MyGeotab report library.
- **Access on mobile devices** — Know what your fleet is doing, even when you are not there.

MyGeoTab and Geotab are registered products of Geotab, Inc.

Versatrans Onscreen™

Onscreen is a powerful Automatic Vehicle Location (AVL) program that lets dispatchers know where vehicles are at all times.

- **Immediate access to route information** — View, report on, and answer parent questions regarding current driver activity such as stops taken (or not taken), speeds, stop times, and more.
- **Geographical boundary monitoring** — Easily create geographical boundaries and geofences that trigger an alert when a specified vehicle enters or leaves the area.
- **Departure/arrival reporting** — Access reports and alerts on actual versus scheduled vehicle departure and arrival times.

Versatrans Routing & Planning™

The use of Routing & Planning, the industry leading route creation and district planning tool, with your GPS solution brings the technology full circle.

- **Automatic route building** — Easily create new routes by importing GPS data points into a Routing & Planning route record.
- **Street import** — Quickly import GPS-accurate streets and have them automatically added to the Routing & Planning map.

Versatrans Onscreen and Versatrans Routing & Planning work with Tyler Telematic GPS as well as many other GPS hardware providers.

The Hardware

Geotab®

Geotab GPS® units are a proven telematic platform with more than 300,000 units currently in operation worldwide. Cellular options include CDMA-1XRTT, GMS/GPRS and HSPA/UMTS.

- **On-board alerts** — Buzzers sound when a driver gets close to exceeding predefined thresholds. For example, if district policy is that the bus can only idle for 5 minutes, a buzzer will sound continuously after 4.5 minutes to alert the driver that they are about to exceed the threshold for acceptable idling.
- **Multiple external inputs** — Track events like directionals, front door, red and yellow overhead lights, parking brake, brake lights, and reverse lights.
- **IOX Input/Output Expandable Technology** — IOX expander modules can be “piggy-backed” together and plugged into a single USB port. Link multiple devices, such as student ridership trackers, NFC devices, external buzzers, and more.
- **Engine diagnostics** — Collect mileage, low battery, idling, engine warnings, and many other events through OBDII, J1939 or J1708 protocols, and other legacy protocols.
- **Built-in g-force** — Measure of hard braking, rapid acceleration, accidents, and many other events. Automatically collect 100 minutes of one-second interval accident data
- **Near Field Communication (NFC) Driver Keys** — Identify drivers and routes.
- **Seamless integration** — With Versatrans student tracking.
- **Plug-and-play installation** — No drilling required!



Smart Fleet Technology for Pupil Transportation



Transporting students safely is a top priority for your school bus fleet. Zonar's expansive set of inspection, diagnostic, student visibility and GPS solutions helps fleet managers increase safety and security, optimize bus routes, ensure inspection compliance, and make data-driven decisions.

Increase Safety and Security

Zonar provides real-time insight into your school bus fleet with location reports, rider status and driver performance data. Improve safety and security with alerts when buses aren't operated safely or when maintenance is needed.

Your Bus Tracking Experts

Access extensive vehicle performance, GPS location data, remote vehicle diagnostics and stop arm/open door events. Streamline maintenance processes and make decisions with easy-to-understand, actionable information. Determine which routes are most efficient with precise HD-GPS location data combined with rider information.

Inspection Compliance

Ensure accurate pre- and post-trip inspection compliance and safety with RFID-based, Electronic Verified Inspection Reporting (EVIR®). Zonar's patented EVIR eliminates paperwork errors, ensures drivers are physically present to inspect all zones, and streamlines maintenance processes by easily integrating with your existing maintenance software.

Save Fuel and Reduce Costs

Chart improvements, demonstrate increased efficiency and reduce costs with Zonar. Review data with automated reports and dashboards. Also, receive a text or email if drivers are idling, speeding, or in the wrong place, so dangerous behavior and excessive waste are stopped immediately.

From safety to security to efficiency— isn't it time to bring your fleet up to speed with Zonar?

Experience Innovation with Zonar Solutions



Zonar V3™ GPS Technology

- High-definition GPS tracking
- Remote diagnostics keep vehicles on the road
- Track fuel consumption for detailed fuel use and idle costs
- Supports advanced UDS protocol and meets or exceeds OEM specifications



Zonar Ground Traffic Control® Web-Based Fleet Management Application

- Access real-time fleet operations data through a secure Internet connection
- Receive instant alerts to ensure fleet is operating in acceptable parameters
- Open API provides seamless integration with other software and systems
- Automate tasks that once were a burden on drivers, dispatchers and back-office staff
- Ensure maximum safety, transparency and utilization optimization with insight into driver speeds, path, safety and route performance

Zonar ZFuel™ Fuel Efficiency Tracking

- Available in Ground Traffic Control, ZFuel allows fleet managers to leverage high-density fleet data to reward drivers following best practices



Zonar Connect™ Next-Generation Tablet

- Always connected with LTE, Wi-Fi and Bluetooth
- Integrate with Zonar and third-party software
- Built on a scalable Android™ platform and capable of over-the-air software updates



Zonar Electronic Verified Inspection Reporting (EVIR®) System

- Patented RFID technology available on Zonar's 2010™ handheld device and 2020® mobile communications tablet
- Uses the innovative “Tag Once, Inspect Regularly, Know Always” approach to capture, transmit and record data
- Data-encoded RFID tags are placed strategically throughout vehicles to verify pre- and post-trip maintenance inspections
- Replaces “pencil whipped” paper-based inspections with an automated process promoting safety, compliance and accountability

Zonar Forms™ Forms-Based Messaging

- Replace paper forms and improve overall communication between drivers and dispatch
- Send messages to a single driver or multiple drivers with auto-populated message fields to display information such as asset numbers, odometer, date and time
- Electronically capture and record signatures to assist with delivery confirmation
- Import and export messages in bulk to assist with managing driver replies

Advanced Navigation System

- Provides drivers with turn-by-turn directions, real-time traffic information and driver feedback



Zonar Count™ Ridership Tally App

- Easy access to ridership visibility
- Record the date, time and location of entrance and exit of riders
- Optimize route balancing for more effective ridership management



Zonar Z Pass® Student Rider Visibility

- Immediately locate a child in the school transportation system
- Patented RFID card-based system captures date, time, and location of each scan
- Performs without impeding the normal loading process
- Provides essential information to make funding allocation decisions and streamlines Medicaid reporting



Zonar Z Pass+® Secure Ridership Alerts

- Know the date, time and location each child boarded and exited the bus
- Check rider bus location
- Receive instant notifications via email or text



SafeStop™ School Bus Tracking App

- Track map-based bus location and estimated times of arrival
- Send messages and alerts to parents
- Reduce call volume by up to 90%
- Obtain data analytics for transportation efficacy



API Integration

- By working with key software solutions companies who have successfully completed Zonar's review process, we are able to deliver to our partners a complete integrated solution that will deliver outstanding business results — from maintenance, diagnostic, planning, and telematics providers to solution integrator.

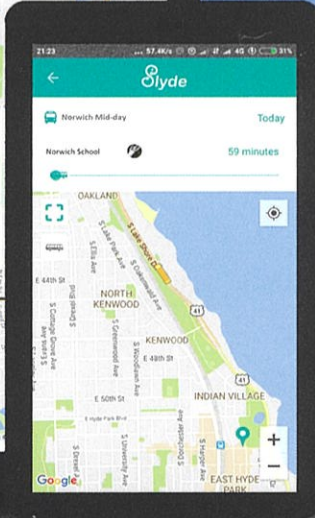
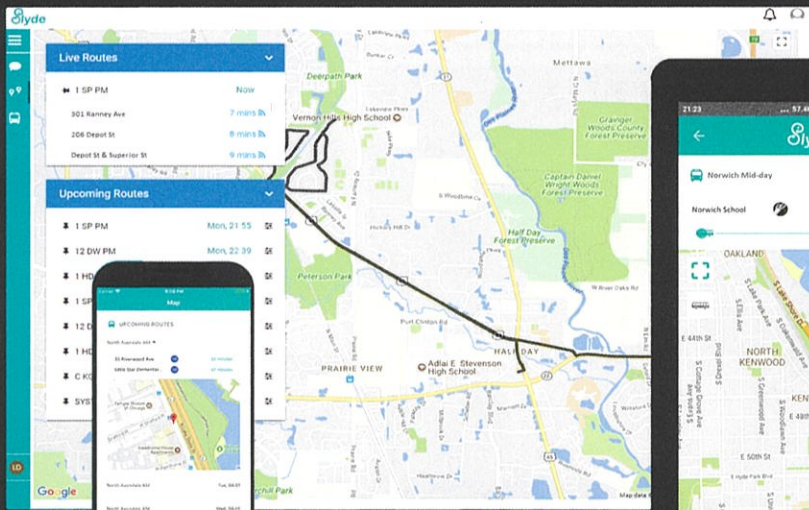


For more information, visit zonarsystems.com

zonarsystems.com | 18200 Cascade Ave S., Seattle, WA 98188 | 877-843-3847

School

Manage your students and buses better



Students

The timeless wait is over

Parents

Never stress out again



Safety

Keep calm and rely on Slyde. If any incident happens during a ride, the relevant personnel is notified immediately.



Live Tracking

Watch your bus live and view arrival times for your designated stop. Minimize your child wait time at the bus stop!



Communication

Receive all the information and updates from the school directly to your phone.



Data Analysis

Slyde's solutions are evolving daily. We use data analysis to shorten the bus trips to and from school for your child!



Slyde

Communicate Your Way

Mobile Community for School Transportation

Safety | Real-Time Data | Automation

 www.slydeglobal.com

 info@slydeglobal.com

Slyde

What is Slyde?

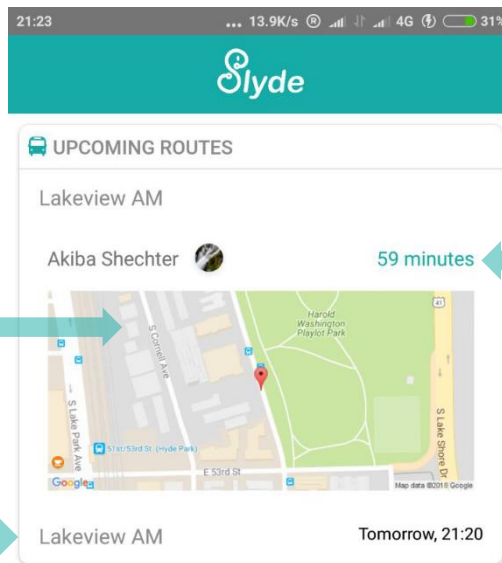
Slyde is a start-up founded with one goal: improving daily life of students, parents, and the school staff. For you that means an application that lets you:

1. **Real-time bus information with exact location of the bus.**
2. **When will the bus arrive at its destination whether it's the school or the bus stop.**
3. **Immediate messages from the school.**

How does it work?

Slyde, and all its features and solutions, are brought to you through Slydes' mobile app. We use smart city technology to answer each problem:

1. Live information in your hand:



Click on map to view full map and bus location.

Real time arrival at destination.
Know exactly when the bus is arriving at your station or at the school. No more wait times!

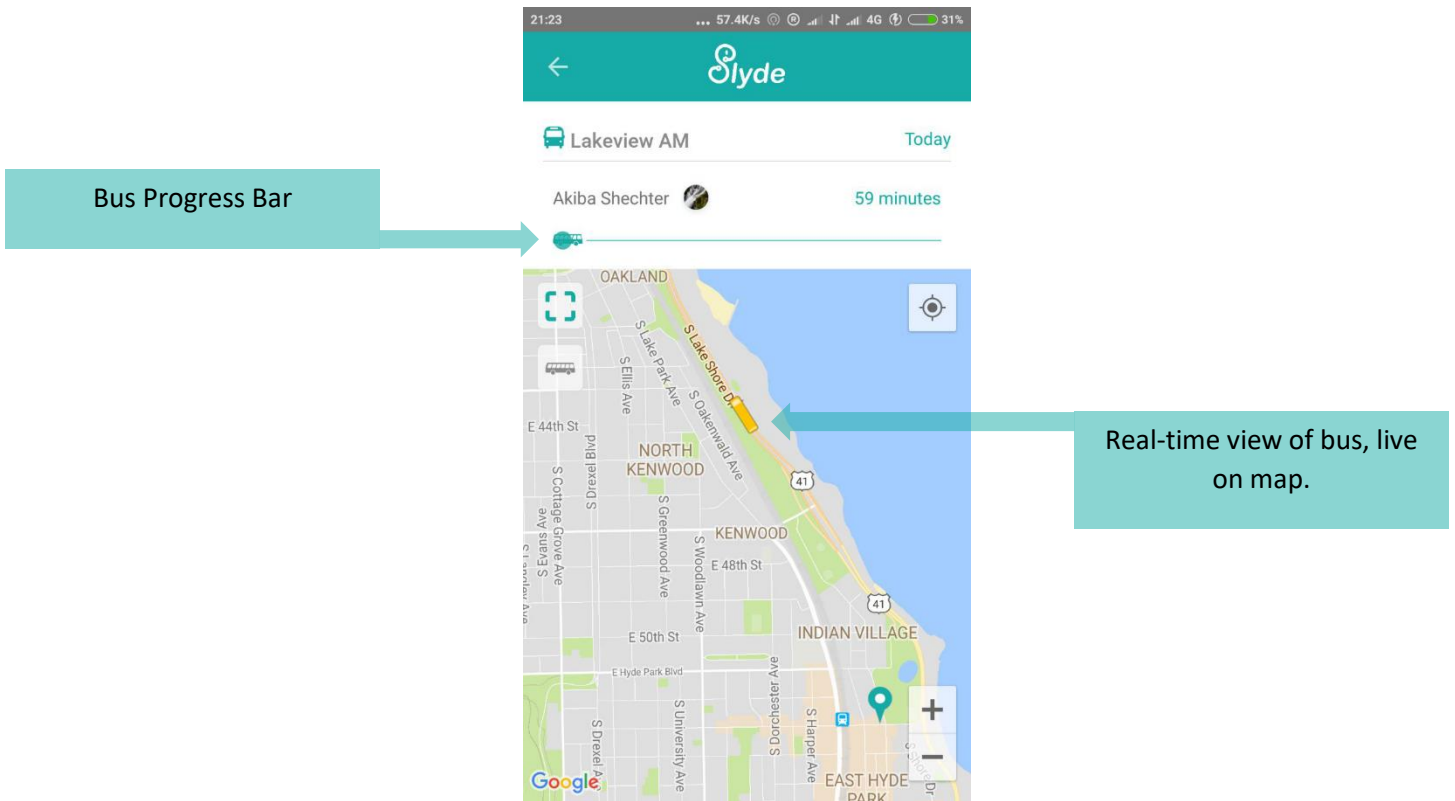
Next route.



Profile tab.

Slyde Broadcast – messages tab.

2. Full live map and route screen.



21:23 57.4K/s 4G 31%

Slyde

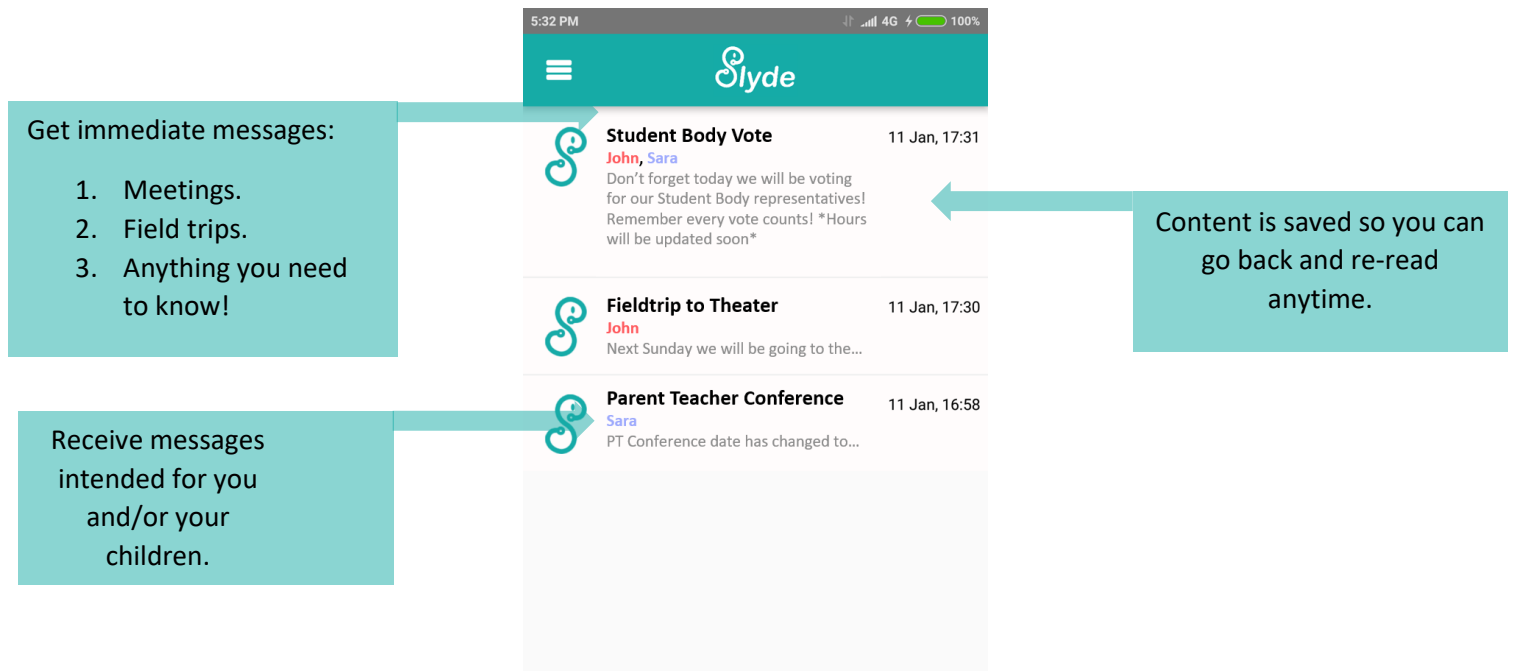
Lakeview AM Today

Akiba Shechter 59 minutes

Bus Progress Bar

Real-time view of bus, live on map.

3. Slyde Broadcast - social communication and management platform that allows schools, parents and students to connect in a social and modern way.



5:32 PM 4G 100%

Slyde

Get immediate messages:

1. Meetings.
2. Field trips.
3. Anything you need to know!

Receive messages intended for you and/or your children.

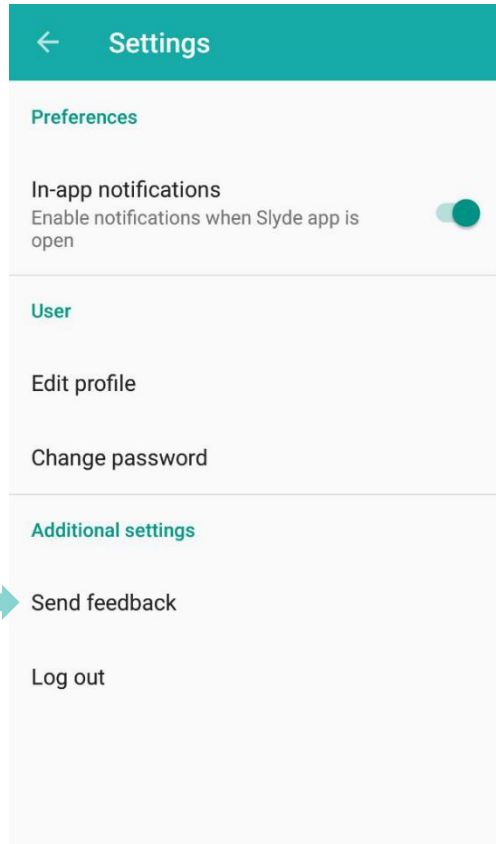
Content is saved so you can go back and re-read anytime.

Student Body Vote 11 Jan, 17:31
John, Sara
Don't forget today we will be voting for our Student Body representatives! Remember every vote counts! *Hours will be updated soon*

Fieldtrip to Theater 11 Jan, 17:30
John
Next Sunday we will be going to the...

Parent Teacher Conference 11 Jan, 16:58
Sara
PT Conference date has changed to...

4. We want your feedback. Under the user tab (last one on the right), click preferences.



Our vision:

Our teams work toward improving and adding solutions for you, so all you have to do is Slyde. Everything you need will be under one app, one platform.

Contact us!

Slyde is devoted to the school, parents and kids! Any ideas, feedback, or just want to talk - we want to hear it! info@slydeglobal.com



Slyde

What is Slyde?

Slyde is a start-up founded with one goal, to improve daily life of students, parents, and the school team through the understanding of everyone's specific problems and focusing our solutions towards them:

- **Helping raise children/student security.**
- **Saving time for schools, parents and students.**
- **Improving daily life for everyone involved (students, parents and school staff) through reliable, intuitive and immediate communication using the latest tech.**

How does it work?

Slyde, and all of its features and solutions, are brought forward to you through Slyde's mobile app. We use smart city technology to answer each problem:

1. Unique security and optimization algorithms.
2. Automated real-time bus and student notifications (bus location, student status, and more).
3. Slyde Broadcast - social communication and management platform allows schools, parents and students to connect in a social and modern way.

All of these features, solutions and algorithms are under one roof, and that is Slyde, with much more being developed each and every day with the best talents in the world.

Data Security

The security of our data is our top priority therefore we only store the minimum we need. We use the most secured servers with the latest cyber defense capabilities. All data is transferred using a secure encrypted protocol.

Our Vision:

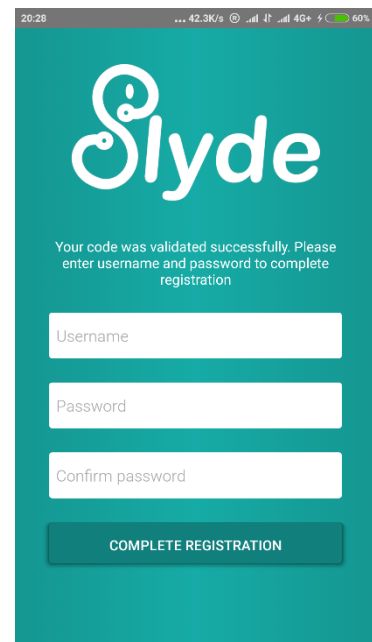
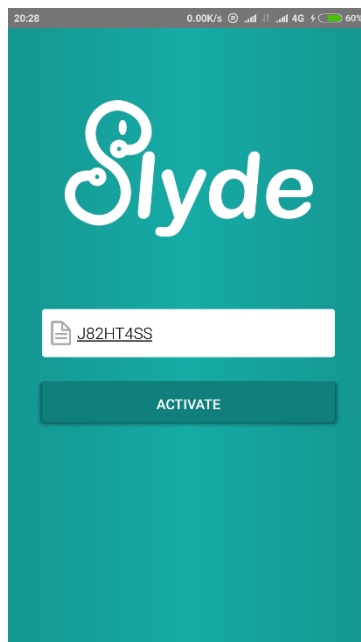
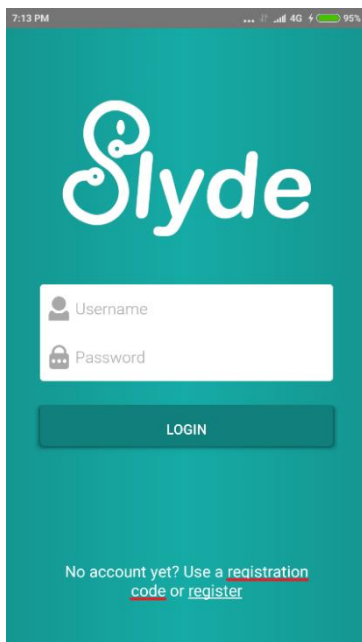
Our teams work toward improving and adding solutions for you, so all you have to do is Slyde.

Slyde is a green app, that brings immediate reduction in paper usage. Every message sent using Slyde is a paper saved.

Android

How to install and activate your account:

1. Search for “**Slyde Global Ltd**” in the Play Store.
2. Download the app.
3. Open the app and click on “registration code” (bottom section).
4. Type your personal code. The codes list should be provided to you with this document.
5. Choose your own username and password (no spaces).
6. You are officially a Slyder!



Click on “registration code” → Type your personal code → Choose your own credentials

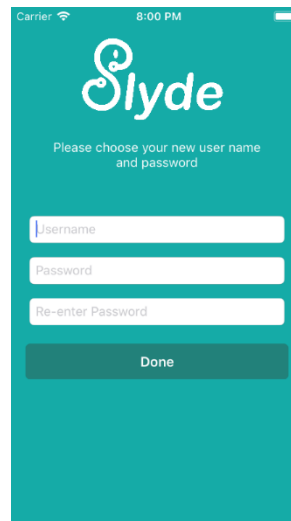
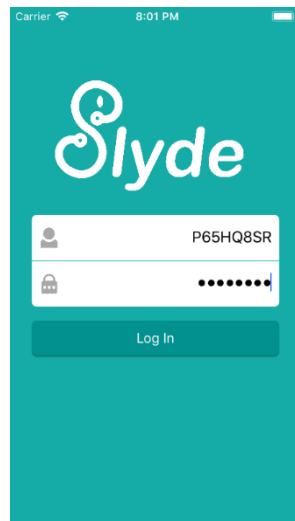
iPhone

How to install and activate your account:

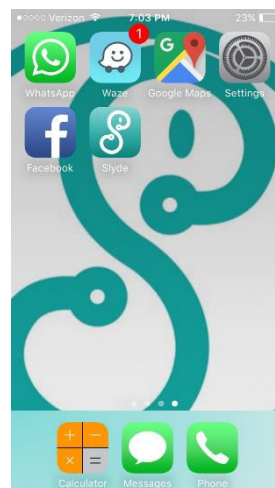
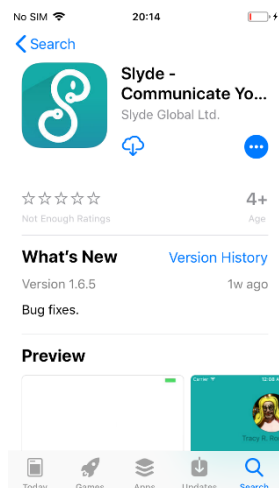
1. Search for “**Slyde – Communicate Your Way**” in the App Store or scan the QR Code:



2. Download the app.
3. Open the app and type your personal code in username AND password fields. The codes list should be provided to you with this document.
4. Choose your own username and password (no spaces).



5. You are officially a Slyder!





Lincolnshire-Prairie View School District 103

Memo

To: Board of Education
From: Scott Warren
Date: May 3, 2018
Re: Administrator and Classified Salary Increases

I am recommending that the Board approve a 3% increase to the administrator and classified staff salaries, and a 1% increase for our transportation department for the 2018-2019 school year. This is consistent with our consortium and Lake County district raises for next year. I will ask the Board to approve the raise increases at the Regular Board meeting on May 22, 2018.



Lincolnshire-Prairie View School District 103

Memo

To: Board of Education
Cc: Dr. Scott Warren, Superintendent
From: Dr. Gina Finaldi, Director of Student Services
Date: 5/3/2018
Re: Special Education Staffing Update

Recommendation

Increase 1.0 FTE Learning Behavior Specialist (LBS)

Review of Recent Trends in D103

Since 2009, we have seen an increase in the number of children with special needs in early childhood. In the school years between Fall 2009 and Spring 2013, the total number of students with IEPs at the end of each school year was between fifteen and twenty. In the school years since Fall 2013, the total number of students with IEPs at the end of each school year has risen to the mid-twenties and was stable for two years at approximately thirty. The numbers have continued to increase over the past two years, and as of April 30th, the total number of Early Childhood students is 48 (including community peers). This increase can be attributed to:

- New families are moving into D103 at a high rate
- Current families referring their friends and other families to move into D103

Interest in District 103 continues to increase as indicated by an average of 3-5 emails or phone calls per week from parents seeking information about our special education programming, with many families having young children (preschool-age).

Not only have the numbers of Early Childhood students with special education needs increased, but also the severity of their disabilities. We are continuing to see an increase in presence of children, with the following needs/conditions:

- Medically Fragile (e.g. micro-preemies, health anomalies)
- Physically Handicapped (e.g. cerebral palsy)
- Hearing Impaired
- Autism
- Multiple Disabilities
- Down Syndrome

With medical advances and earlier identification, more of the District's youngest learners are coming to us not only in need of special education services, but also with more complex special needs that require more intense and varied specialized services (i.e. our Self-Contained Extended Day EC Program). The "equivalent" of the Self-Contained Extended Day Program once children move onto Kindergarten is the Intensive Instructional Program (IIP).

EC Self-Contained Extended Day

Current Enrollment (Spring 2018) = 9

Projected Enrollment (Fall 2018) = 5

Total # of students added during the 2017-2018 school year: +4

Kindergarten-Bound Students

There are 11 IEP students transitioning from EC to Kindergarten for Fall 2018. Of these 11 students, 7 students require a placement in the Intensive Instructional Program (IIP) where more than 60% of their day is in a special education setting, and for Direct Instruction (DI) where less than 60% of their day is in a special education setting

IIP Current Enrollment 2017-2018

Sprague (IIP and DI)	Half Day (IIP only)	Daniel Wright (IIP only)
3 IIP; 7 DI Current caseload for the LBS at Sprague not including kindergarten-bound students from EC	5	5
Total = 10		

IIP Projected Enrollment 2018-2019

Sprague (IIP and DI)	Half Day (IIP only)	Daniel Wright (IIP only)
9 IIP (IIP); 10 Direct Instruction	5	6
Total = 19 to start new school year, exceeds maximum class size allowed for an IIP special ed classroom		

Due to the increase in the number of students and the level of interventions required for students at Sprague school for our Intensive Instructional Program, we recommend **increasing the staff by 1.0 FTE Learning Behavior Specialist (LBS)** position to support our students and maintain compliance with ISBE class size, as indicated below:

*** "Each class in which any student receives special education services for more than 60 percent of the school day shall have at least one qualified teacher for each eight students in attendance during that class. However, the district may increase the class size by a maximum of five students when a paraprofessional is provided for the entire class." - 23 Illinois Administrative Code 226.730(b) and (c)*

The structure of the IIP and DI classes will be:

IIP = 1.0 FTE Teacher (new) and 1.0 FTE Associate (currently employed)

DI = 1.0 FTE Teacher (currently employed)

Summary

This recommendation will allow us to be in legal compliance with the teacher-to-student ratio for children whose placement is a special education class for more than 60% of their school day. We will also reassign a special education associate to this classroom since we are starting the year over the 1:8 ratio in IIP, but this would allow us to increase enrollment up to 14 students in the IIP classroom.