



Livonia Public Schools

Facilities and Operations

Date: February 28, 2020
To: Phillip Francis, Director of Operations
From: Harry C. Lau, Administrator of Facilities and Operations
Re: Recommendation to Retrofit Remaining Parking Lot Lighting to LED

I am recommending and seeking approval to retrofit the remaining parking lot lighting to LED at nineteen (19) sites replacing a total of two-hundred fourteen (214) lamps of varying wattages. This project will be financed through the Sinking Fund.

Currently, Livonia Public Schools' parking lot lighting annual bill is \$109,196.52. When the retrofit is complete, we will reduce our parking lot lighting annual bill by \$42,592.08 which will equal \$66,604.44 in annual billing.

The cost for DTE to complete this work will be \$78,824.00. DTE is donating the labor at a cost of \$9,114.00; rebates equal \$10,278.00. Total conversion cost less the labor donation will be \$69,710.00. Livonia Public Schools will apply for the rebate. Additional information is as follows:

<i>Currently:</i>	<i>Replaced With:</i>
100 to 1000 watts mercury vapor bulbs	58 to 136 watts LED
70 to 1000 watts high pressure sodium bulbs	58 to 238 watts LED

Rationale: The cost to convert the parking lot lighting will be paid back in sixteen (16) months.

Thank you for your consideration in this matter.

cc: K. Oaks
S. Scott
D. Dobias