



March 3, 2014

Ms. Lisa Abbey
Director of Business Services
Livonia Public Schools
15125 Farmington Road
Livonia, MI 48154

RE: Contract Award Recommendation for Technology Bids
*Structured Cabling, Network Electronics and Wireless Infrastructure, Phone System and Public
Address and Classroom Soundfield Systems*

Dear Ms. Abbey:

This letter transmits an update from Plante Moran Cresa (PMC) as it relates to the assignment to assist and advise Livonia Public Schools (LPS) in its selection of Prime Contractors for the Projects listed above. This update represents the mutual efforts of PMC, Barton Malow and LPS administration and staff (the Bond Team) to present a framework in order to identify, evaluate and recommend Prime Contractors firms for this Project.

On February 4, 2014 Bid Package Documents were formally issued and made available. An advertisement for bids was published in a local newspaper and also posted to the required State of Michigan websites.

On February 21, 2014 proposals were received from 15 separate firms, and over the next several days were reviewed to determine the budget implications. Interviews were held over the next two weeks with 11 of the bidders and were attended by various members of the Bond Team.

Upon completion of the interviews, and after subsequent clarifications and discussions, the Bond Team is recommending the firms listed in Barton Malow's Award Recommendation Letter dated February 28, 2014 for contract award. Including technology and contingency dollars, the total Project award recommendation equals **\$7,045,786**. This also includes several Alternates as detailed in the letter.

For the Prime Contractors, the costs for this work will be detailed in AIA Contract A132 – 2009 Standard Form of Agreement between Owner and Contractor.

The Project Team is available at the Board's convenience to answer any questions regarding bidding, the interview process, or the recommendations of the Bond Team. Please direct all questions through me via email.

Sincerely,

PLANTE MORAN CRESA

A handwritten signature in black ink, appearing to read "P - T" followed by a horizontal line.

Paul Theriault, PE, LEED AP
Vice President

Enclosures: Award Recommendation Letter
Bid Tabulations

cc: Matt Lindner, Judy Wright



INFORMATION / TECHNOLOGY - BUDGET SUMMARY

	Hard Construction		
Building	Budget	Actual	Variance
27:2 - Network/Wireless	\$ 3,231,333	\$ 2,563,730	\$ 667,603
27:3 - Phone System	\$ 1,016,000	\$ 968,967	\$ 47,033
Totals	\$ 4,247,333	\$ 3,532,697	\$ 714,636

	Construction Contingency		
Building	Budget	Actual	Variance
27:2 - Network/Wireless	\$ 193,880	\$ 205,098	\$ (11,218)
27:3 - Phone System	\$ 60,960	\$ 77,517	\$ (16,557)
Totals	\$ 254,840	\$ 282,616	\$ (27,776)

	Total Project Costs		
Building	Budget	Actual	Variance
27:2 - Network/Wireless	\$ 3,425,213	\$ 2,768,828	\$ 656,385
27:3 - Phone System	\$ 1,076,960	\$ 1,046,484	\$ 30,476
Totals	\$ 4,502,173	\$ 3,815,312	\$ 686,860

February 28, 2014

Ms. Lisa Abbey
Director of Business Services
Livonia Public Schools
15125 Farmington Rd.
Livonia, MI 48154

Subject: 2013 Bond Program: Technology Award

Dear Ms. Abbey:

Bids were received on February 21, 2014 for Bid Package T1. Bid Package T1 includes 4 separate bid categories for: (1) Structured Cabling, (2) Network Electronics & Wireless Infrastructure, (3) Phone System, and (4) Public Address Systems & Classroom Soundfield Systems. Category 27:1 includes the voice and data cabling for the phase 1 buildings. The cabling for the remaining buildings will be designed and bid in future phases. Category 27:2 includes the district-wide wireless project beginning this summer. The remaining district-wide systems will be awarded in total but procurement and installation will occur as buildings are renovated.

Bid Evaluation Summary and Recommendations

After an extensive review of all bid proposals, a thorough post-bid interview was held with eleven of the bidders to verify that proposals were inclusive of the scope of work, evaluate bid alternates, and gather information on related experience. Additionally, product demonstrations were arranged for selected vendors in the Public Address System category. The attached Bid Tabulations indicate the bids received, company name, base bid, and recommended alternates.

Based upon the evaluation of the project team, we recommend that a contract be awarded to the following companies. **All bids are within the bond budget allocated for this work.**

Bid Package T1: Category 27:1 – Structured Cabling	
Amcomm Telecommunications – White Lake, MI	
Base Bid	\$478,390.00
Alternate for directional Bore and Fiber to HS Athletic Complexes	\$81,240.00
Total Contract Amount	\$559,630.00
Contingency (10%)	\$55,963.00
Total Project Amount:	\$615,593.00

This category replaces the existing fiber optic cabling plant in all buildings to support increased data transfer speeds from 1000 Mbps to 10,000 Mbps. Additionally, the existing category 5/5e cabling in the renovated buildings is being replaced with new category 6 cabling that will support increased speeds.

Bid Package T1: Category 27:2 – Network Electronics & Wireless Infrastructure	
Netech – Wixom, MI	
Base Bid	\$2,313,190.00
Alternate for additional CAT 6 to each wireless access point	\$193,680.00
Alternate for enhanced wireless safety and management	\$56,860.00
Total Contract Amount	\$2,563,730.00
Contingency (8%)	\$205,098.00
Total Project Amount:	\$2,768,828.00

The equipment in this bid category lays the foundation for the bring your own device (BYOD) and other curricular initiatives. The new network electronics will provide several improvements over the existing equipment including enhanced security & management and the increase of throughput speeds between buildings and to the desktop from 1000 Mbps and 100 Mbps to 10,000 Mbps and 1000 Mbps respectively. These increased speeds will enhance performance of all traffic including wireless transmission speeds. This category also includes the installation of a robust 802.11ac wireless infrastructure at all buildings.



Bid Package T1: Category 27:3 – Phone System

Netech – Wixom, MI	
Base Bid	\$837,956.00
Alternate to upgrade handsets	\$241,698.00
Voicemail Modification	\$-110,687.00
Total Contract Amount	\$968,967.00
Contingency (8%)	\$77,517.00
Total Project Amount:	\$1,046,484.00

The new phone system provides a number of improvements including support of the state-mandated E911 requirements, unified messaging for district employees, enhanced classroom safety, and several solutions to accommodate teachers and district staff who travel within the district. Note: accepting the alternate to upgrade the handsets will allow the District to take full advantage of the 1000Mbps speed provided by the new network electronics.

Bid Package T1: Category 27:4 – Public Address System & Classroom Soundfield Systems

Sound Engineering – Livonia, MI	
Base Bid	\$2,345,980.00
Alternate to add supervised PA speakers	75,206.00
Total Contract Amount	\$2,421,186.00
Contingency (8%)	\$193,695.00
Total Project Amount:	\$2,614,881.00

The new, district-wide public address system will replace the stand-alone systems currently in the district and provide additional coverage throughout the building. This will allow multi-building communication from a central location and provides another level of redundancy in the event of an emergency. Also included in this category are the classroom soundfield systems that will provide voice amplification and room audio for multi-media presentations. Given the importance of the PA system from a safety and security standpoint, there are two additional measures that were added to the system. First, in the event of an overhead page into the classroom, the classroom audio is automatically muted. Second, if a PA speaker is offline, the system will send notifications to so that the issue can be corrected.

Upon approval by the Board of Education, contracts for base bids and alternates will be issued as shown above. If you have any questions, please call me at (248) 436-5874.

Sincerely,

Rael Blair
 Design/Project Manager
 Barton Malow, Technology Services

