

**LIVONIA PUBLIC SCHOOLS
BOARD OF EDUCATION**

**Committee of the Whole - VIRTUAL
November 23, 2020 - 5:45 PM
Virtual Meeting**

AGENDA

I. AUDIENCE COMMUNICATIONS

II. COMMITTEE OF THE WHOLE

Johnson, Chair; Bonifield; Bradford; Burton; Centers; Frank; Jarvis

**A. Public Health Advisory from the Wayne County Department of Health,
Human & Veterans Services**

III. BUILDING & SITE COMMITTEE

Centers, Chair; Burton; Jarvis

**A. Bid Results for Roofing 2
P. Francis**

**B. RTA Design Amendment for Frost Middle School 12
P. Francis**

**C. Central Office Administration Building Renovation 21
P. Francis & A. Smith**

**D. 10-Year Facility Plan Update and Future Bond Planning 22
P. Francis & A. Smith**

IV. CURRICULUM COMMITTEE

Jarvis, Chair; Frank; Bradford

**A. CogAT and Iowa Testing Materials 23
T. O'Brien**

V. FINANCE COMMITTEE

Bonifield, Chair; Centers; Bradford

VI. POLICY COMMITTEE

Burton, Chair; Bonifield; Frank

VII. PERSONNEL COMMITTEE

Frank, Chair; Bonifield; Jarvis

VIII. LEGISLATIVE COMMITTEE

Bradford, Chair; Burton; Centers



Livonia Public Schools

Operations

Date: November 18, 2020

To: Andrea Oquist, Superintendent

From: Phillip Francis, Director of Operations

Re: Bid Results for Roofing

I would like an opportunity to share with the Board of Education the bid results for the Roofing projects (full roof replacements) at Riley Upper Elementary, Randolph Elementary, and Hayes Elementary Schools. This Sinking Fund project is a continuation of the District's roof replacement program. Bids were received and opened on October 20, 2020, with post-bid interviews and follow-up taking place on October 26, 2020 and October 27, 2020. The LPS Team, working in partnership with Roofing Technologies Associates (RTA) and Plante Moran CRESA (PMC), are recommending Royal Roofing for Randolph Elementary and Riley Upper Elementary, and MTD Construction, Inc. for Hayes Elementary as the low responsible bidders. Details of the bid results, along with recommendation letters from PMC and RTA, are attached. Please add this as an agenda item to the November 23, 2020 Committee of the Whole meeting.

Please contact me if you have questions. Thank you.

Attachments

PF/ko

C: Board of Education



November 5, 2020

Mr. Phillip Francis
Director of Operations
Livonia Public Schools
15125 Farmington Road
Livonia, MI 48154

RE: Sinking Fund Projects
Contract Award Recommendation for Roof Replacement Project
Riley Upper Elementary School, Randolph Elementary School, Hayes Elementary School

Dear Mr. Francis:

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, Roofing Technology Associates, Ltd. (RTA), LPS administration and staff (the Project Team) to present a framework in order to identify, evaluate and recommend Prime Contractor firms for these Projects.

On October 2, 2020, Construction 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 website.

On October 20, 2020, eight (8) bid proposals were received for the Projects and over the next several days were reviewed to determine the budget implications. Interviews were conducted on October 26, 2020 and October 27, 2020 and were attended by representatives from the Project Team. The scope of work (which includes full removal and replacement of the existing roofing systems), project schedule, phasing, manpower requirements, safety, and other particulars regarding the work were reviewed and discussed.

Upon completion of the interviews, and after subsequent clarifications and discussions, the Project Team is recommending the Firms listed in RTA's recommendation letter dated November 3, 2020 as the lowest responsible bidders. The recommendation is to award work at Riley Upper Elementary, Randolph Elementary and Hayes Elementary Schools.

Including hard construction of \$3,196,800 and construction contingency of \$191,808 (6%), the total Project award recommendation equals \$3,388,608.

For the Prime Contractor, the cost for this work will be detailed in AIA Contract A105 – 2017 Standard Form of Agreement between Owner and Contractor, as modified, pending final review and approval of terms by district legal counsel.

The Project Team is available at the Board's convenience to answer any questions regarding bidding, the proposals, interview process, or the recommendation herein. Please direct all questions through me via email at scott.smith@plantemoran.com.

Sincerely,

PLANTE MORAN CRESA



Brian Weber
Senior Consultant

Enclosures: Cost Summary
 Roofing Technology Associates, LTD. Recommendation Letter
 Bid Tabulation
 Existing Roofing Condition Map



2021 ROOFING REPLACEMENT - COST SUMMARY

	Hard Construction		
Project	Budget	Actual	Variance
Riley Upper Elementary School	\$ 1,908,345	\$ 1,875,900	\$ (32,445)
Randolph Elementary School	\$ 853,905	\$ 802,900	\$ (51,005)
Hayes Elementary School	\$ 758,785	\$ 518,000	\$ (240,785)
Totals	\$ 3,521,035	\$ 3,196,800	\$ (324,235)

	Construction Contingency		
	Budget (8%)	Actual (6%)	Variance
Project Contingency	\$ 281,683	\$ 191,808	\$ (89,875)
Totals	\$ 281,683	\$ 191,808	\$ (89,875)

	Total Project Costs		
	Budget	Actual	Variance
Project Total	\$ 3,802,718	\$ 3,388,608	\$ (414,110)
Totals	\$ 3,802,718	\$ 3,388,608	\$ (414,110)



ROOFING TECHNOLOGY ASSOCIATES, LTD.

38031 SCHOOLCRAFT
LIVONIA, MICHIGAN 48150-1065
(734) 591-4444 • FAX (734) 591-1660 • E-MAIL: rta@rtaltd.com
Web site www.rtaltd.com

November 3, 2020
Project No. 19-048

Mr. Phillip Francis
Livonia Public Schools
15125 Farmington Road
Livonia MI 48154-5474
pfrancis@livoniapublicschools.org

RE: BID EVALUATION
Roof Replacement

- Riley Upper Elementary School
- Randolph Elementary School
- Hayes Elementary School

Livonia, Michigan

Dear Mr. Francis:

The bids for the referenced project were received by the School District on October 20, 2020 and opened in public. We have reviewed the bids which have been tabulated on the attached form.

The apparent low bidder for Randolph Elementary School at \$786,569 is Advanced Construction. We have reviewed their bids with them on October 26, 2020. They did not meet the project minimum specification requirements.

The apparent low bidder for Riley Upper Elementary at \$1,875,900 is Royal Roofing Company. They are second low bidder on Randolph Elementary School at \$802,900. We have reviewed their bids with them on October 27, 2020. We recommend awarding Riley Upper and Randolph Elementary Schools to Royal Roofing Company. They have indicated they could meet the schedule for next summer. They worked successfully in the school district this past summer.

The apparent lower bidder on Hayes Elementary School at \$518,000 is MTD Construction, Inc. We have reviewed their bid with them on October 26, 2020. We recommend awarding Hayes Elementary School to MTD Construction. They have indicated that they could meet the schedule for next summer. RTA is currently working with MTD Construction on a new school locally and is pleased with their workmanship.

Mr. Phillip Francis
November 3, 2020
Project No. 19-048
Page 2



It is recommended to have a contingency fund for unforeseen conditions of approximately 6%.

Sincerely,

ROOFING TECHNOLOGY ASSOCIATES, LTD.

A handwritten signature in black ink that reads "Michael C. Bode". The signature is written in a cursive, flowing style.

Michael C. Bode, RRC
Project Manager

MCB/lab

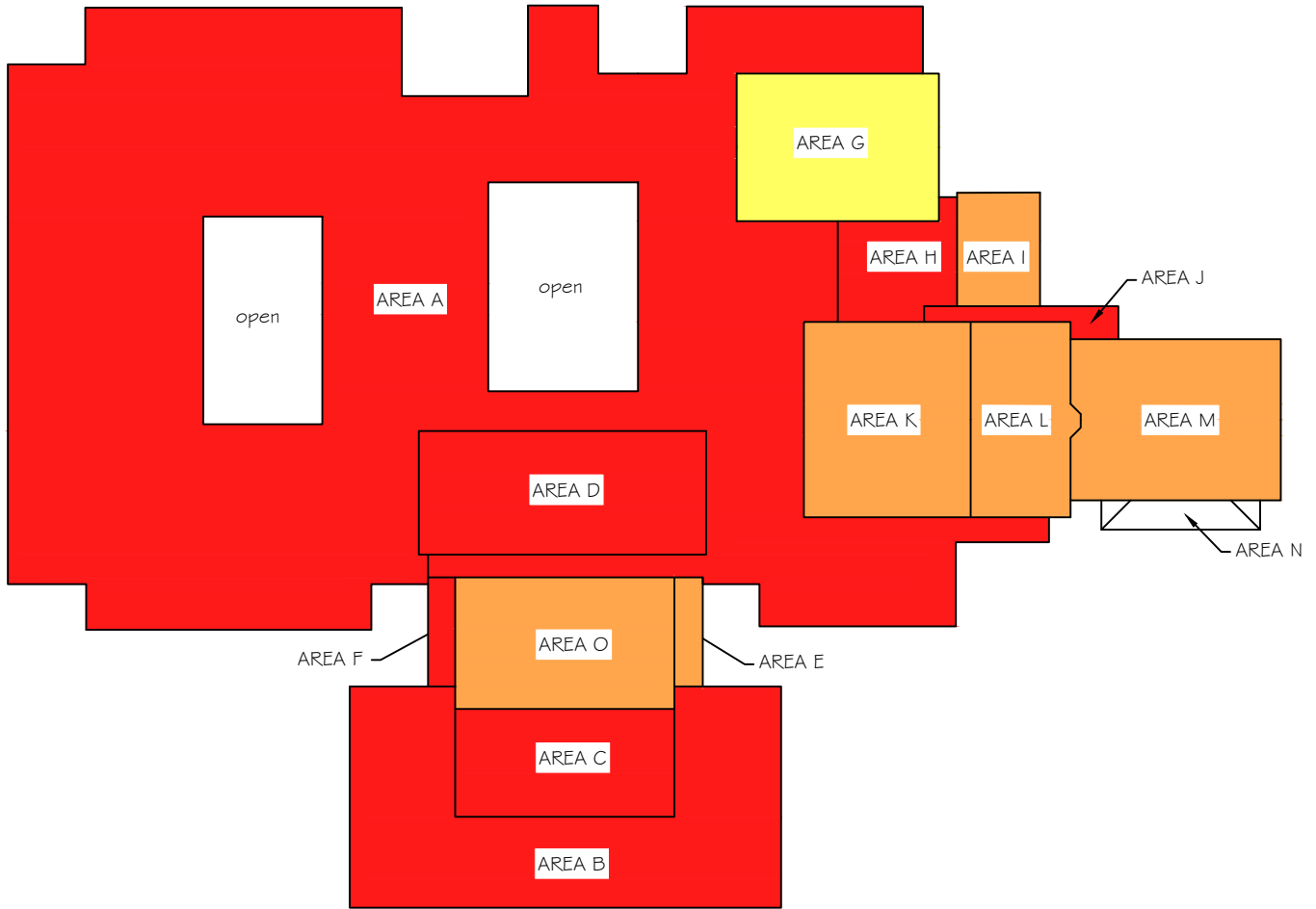
Attachment

Cc: Brian Weber



LIVONIA SCHOOLS BID TABULATION

	ADVANCE CONST.	BLOOM ROOFING	JD CANDLER	LUTZ ROOFING	MTD CONST.	NEWTON CRANE	ROYAL ROOFING
BASE BIDS							
RILEY	\$1,925,000	\$1,919,960	\$2,496,000	\$1,890,000	----	----	\$1,875,900
RANDOLPH	\$786,569	\$935,600	\$889,000	\$864,000	----	----	\$802,900
HAYES	\$734,269	\$774,669	\$849,000	\$698,000	\$518,000	\$866,900	\$687,900
TOTAL FOR 3 BLDGS.	\$3,445,838	\$3,630,229	\$4,234,000	\$3,452,000	----	----	\$3,366,700
Unit Price No. 1 – Wood Nailers							
1 x 4	2.25	2.00	3.00	4.00	1.90	6.00	2.50
1 x 6	4.00	2.50	3.00	4.25	2.33	6.00	3.00
1 x 8	5.00	3.00	3.00	4.50	2.86	6.00	3.50
2 x 4	5.50	3.00	3.00	5.00	2.09	6.00	3.00
2 x 6	6.00	3.50	3.50	5.50	2.57	7.00	3.50
2 x 8	7.50	4.00	3.50	6.00	3.37	7.00	4.00
2 x 10	8.50	4.50	4.00	6.50	3.74	8.00	4.50
2 x 12	9.75	5.00	4.00	7.50	4.00	8.00	5.00
½" thick plywood	5.00	3.00	4.00	7.50	2.38	9.00	3.50
¾" thick plywood	7.00	3.50	5.00	9.50	2.76	9.00	4.50
Unit Price No. 2 – Sheet Metal Plate							
	3.25	2.50	3.50	5.00	3.00	5.00	4.50
Unit Price No. 3 – Drain							
	2,500	1,200	1,500	2,000	500	1,200	1,200
Unit Price No. 4 – Deck							
Steel	9.25	8.00	6.00	9.00	6.00	8.00	6.00
Tectum	26.00	15.00	25.00	15.00	15.00	25.00	15.00
Gypsum	30.00	20.00	25.00	25.00	5.52	45.00	35.00
Unit Price No. 5 – 1.5" Insulation							
	2.25	1.20	1.00	1.75	1.50	3.00	1.50



GENERAL NOTES:

1. All areas and dimensions shown are approximate and based upon rough field measurements taken by representatives of Roofing Technology Associates, Ltd.
2. This drawing should not be used for bidding or estimating purposes. Contractors are responsible for their own field measurements, quantities and verification of conditions shown.

CONDITION		SERVICEABLE LIFE	RCI
failed		0 - 1 years	0 - 30
very poor		1 - 3 years	31 - 45
poor		3 - 6 years	46 - 55
fair		6 - 10 years	56 - 65
fair to good		10 - 15 years	66 - 75
good		15+ years	76 - 100

ROOF AREA PLAN

not to scale

NOTE: components shown are new unless noted as existing

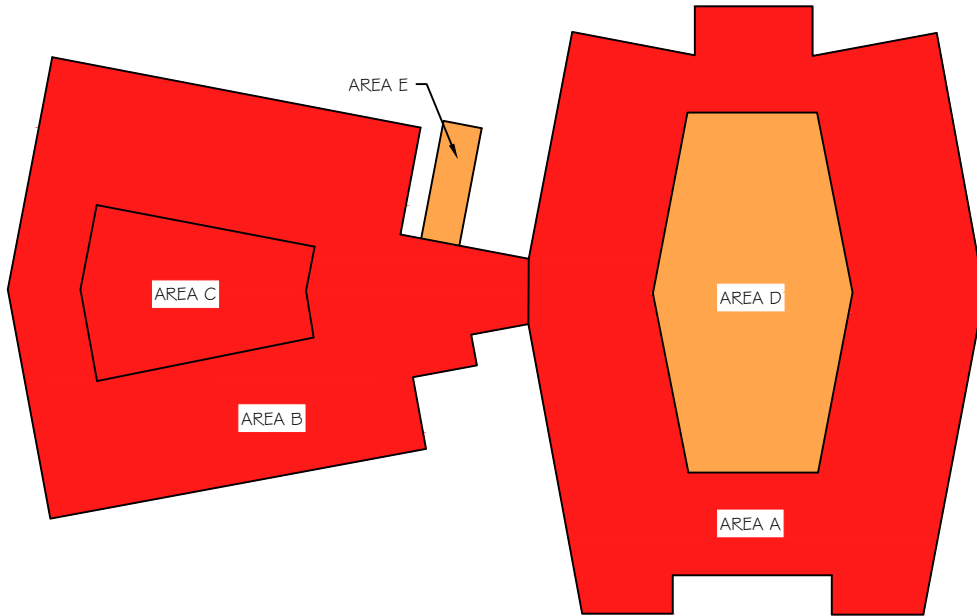


ROOFING TECHNOLOGY ASSOCIATES, LTD.

38031 SCHOOLCRAFT ROAD
LIVONIA, MICHIGAN 48150-1065
(734) 591-4444

LIVONIA PUBLIC SCHOOLS
RILEY UPPER ELEMENTARY SCHOOL
15555 HENRY RUFF ST
LIVONIA, MICHIGAN

Project No: 17-043	Drawn By: JDS	Detail No: 16
Date: JUNE, 2017	Checked By: MCB	



GENERAL NOTES:

1. All areas and dimensions shown are approximate and based upon rough field measurements taken by representatives of Roofing Technology Associates, Ltd.
2. This drawing should not be used for bidding or estimating purposes. Contractors are responsible for their own field measurements, quantities and verification of conditions shown.

CONDITION		SERVICEABLE LIFE	RCI
failed		0 - 1 years	0 - 30
very poor		1 - 3 years	31 - 45
poor		3 - 6 years	46 - 55
fair		6 - 10 years	56 - 65
fair to good		10 - 15 years	66 - 75
good		15+ years	76 - 100

ROOF AREA PLAN

not to scale

NOTE: components shown are new unless noted as existing

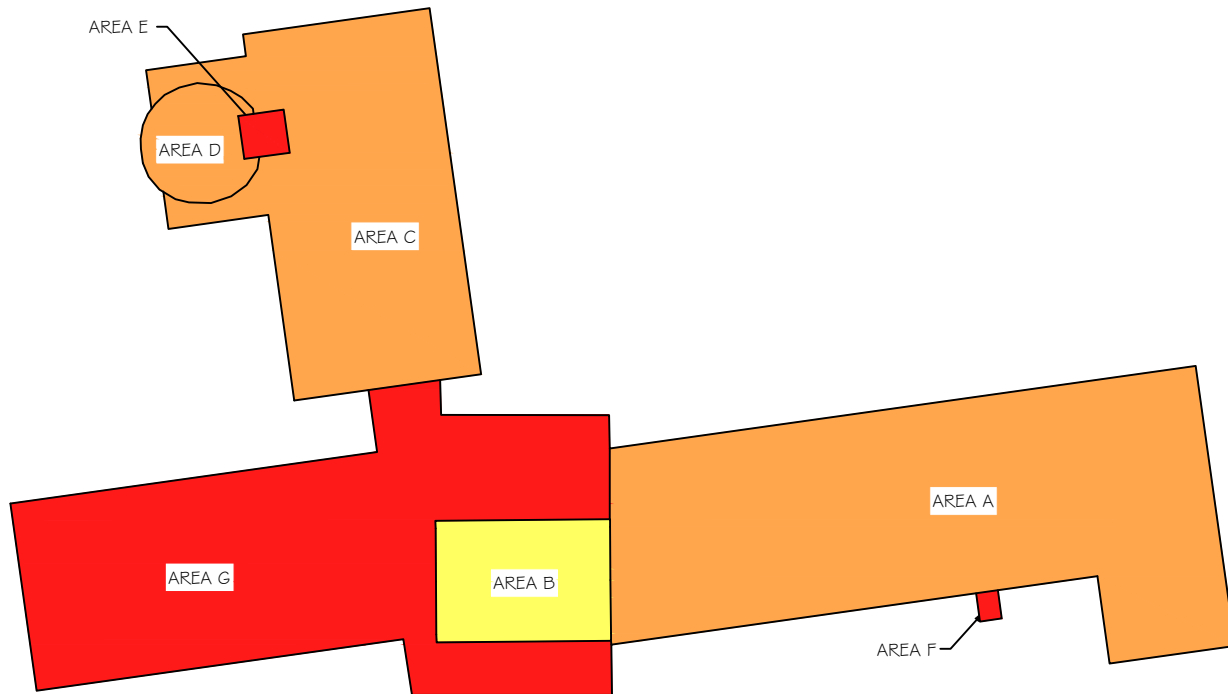


ROOFING TECHNOLOGY ASSOCIATES, LTD.

38031 SCHOOLCRAFT ROAD
LIVONIA, MICHIGAN 48150-1065
(734) 591-4444

LIVONIA PUBLIC SCHOOLS
RANDOLPH ELEMENTARY SCHOOL
14470 NORMAN ST
LIVONIA, MICHIGAN

Project No: 17-043	Drawn By: JDS	Detail No: 10
Date: JUNE, 2017	Checked By: MCB	



GENERAL NOTES:

1. All areas and dimensions shown are approximate and based upon rough field measurements taken by representatives of Roofing Technology Associates, Ltd.
2. This drawing should not be used for bidding or estimating purposes. Contractors are responsible for their own field measurements, quantities and verification of conditions shown.

CONDITION		SERVICEABLE LIFE	RCI
failed		0 - 1 years	0 - 30
very poor		1 - 3 years	31 - 45
poor		3 - 6 years	46 - 55
fair		6 - 10 years	56 - 65
fair to good		10 - 15 years	66 - 75
good		15+ years	76 - 100

ROOF AREA PLAN

not to scale

NOTE: components shown are new unless noted as existing



ROOFING TECHNOLOGY ASSOCIATES, LTD.

38031 SCHOOLCRAFT ROAD
LIVONIA, MICHIGAN 48150-1065
(734) 591-4444

LIVONIA PUBLIC SCHOOLS
HAYES ELEMENTARY SCHOOL
30500 CURTIS RD
WESTLAND, MICHIGAN

Project No: 17-043	Drawn By: JDS	Detail No: 7
Date: JUNE, 2017	Checked By: MCB	



Date: November 18, 2020

To: Andrea Oquist, Superintendent

From: Phillip Francis, Director of Operations

Re: RTA Amendment for Frost Middle School

I would like an opportunity to share with the Board of Education a recommendation for a contract amendment for roofing design and project oversight with Roofing Technologies Associates (RTA), for a roofing project at Frost Middle School. The project design fee is in the amount of \$54,680.00. RTA has designed the roofing projects since we began them in 2018 and we have been satisfied with their work. Please place this topic on the agenda of the upcoming Committee of the Whole on November 23, 2020.

Thank you.

Attachments

PF/ko

c: Board of Education



November 13, 2020

Mr. Phillip Francis
Director of Operations
Livonia Public Schools
15125 Farmington Road
Livonia, MI 48154

RE: Contract Amendment Recommendation for Roofing Design & Construction Administration Services
Sinking Fund Roofing Replacement Projects
2021 Project – Bid Pack 2: Frost Middle School

Dear Mr. Francis:

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 a Roofing Designer & Construction Administration Services Firm for the Projects listed above. This update represents the mutual efforts of PMC and LPS administration and staff (Sinking Fund Team) to present a framework in order to identify, evaluate and recommend a Firm for these Projects.

In 2017, LPS awarded a contract to Roofing Technology Associates, LTD (RTA) to conduct a district-wide roofing assessment of the existing roofs. The completed report indicated that numerous buildings needed near-term repair and/or replacement. Based upon the results and utilizing RTA's weighted Roofing Condition Index (RCI) of the various facilities, the Sinking Fund Team created an initial priority list of facilities requiring roofing work that continues to be monitored by the Sinking Fund Team

In 2018, the board approved the contract award to RTA for roofing design and construction administration services with subsequent contract amendments for roof replacement projects as follows:

- 2018: Holmes Middle School, Transportation, Warehouse (partial), Franklin High School (partial)
- 2019: Johnson Upper Elementary School
- 2020: Career Technical Center, Emerson Middle School, Rosedale Elementary
- 2021: Riley Upper Elementary School, Randolph Elementary School, Hayes Elementary

The Sinking Fund Team has identified Frost Elementary as the next facility to have roof replacement work completed. In general, the scope involves complete removal of the existing roofing system and installation of a new roofing system including any required sheet metal.

The Sinking Fund Team has been satisfied with the work completed by RTA to date and requested formal proposals from them to incorporate this additional scope of work. In response to this request, RTA provided the attached proposals dated October 27, 2020 to extend their services. Their proposed fee (which is approximately 2.8% of the budget of \$1,953,000.00) remains competitive and consistent with the percentage used to award their original contract.

The Sinking Fund Team has reviewed their proposals and budgets and recommends the Board of Education retain RTA for the above referenced Work in the lump sum amount of \$54,680.00. The cost for this work will be detailed in a Purchase Order(s) issued by the District and in a contract amendment to their current contract, pending final review and approval of terms by district legal counsel.

The Sinking Fund Team is available at the Board's convenience to answer any questions regarding this process and/or the recommendation. Please direct all questions through me via email at brian.weber@plantemorán.com.

Sincerely,

PLANTE MORAN CRESA



Brian Weber
Senior Consultant

Enclosures: Roofing Technology Associates, LTD Proposal dated October 27, 2020
 Roof Condition Map of Frost Middle School



ROOFING TECHNOLOGY ASSOCIATES, LTD.

38031 SCHOOLCRAFT
LIVONIA, MICHIGAN 48150-1065
(734) 591-4444 • FAX (734) 591-1660 • E-MAIL: rta@rtald.com
Web site www.rtald.com

October 27, 2020

Mr. Brian Weber
Plante Moran CRESA
26300 Northwestern Hwy., Suite 120
Southfield MI 48076
brian.weber@plantemoran.com

RE: ROOF REMEDIATION SPECIFICATIONS, BIDDING ASSISTANCE AND QUALITY CONTROL MONITORING SERVICES
Livonia Public Schools
Frost Middle School
14041 Stark Road
Livonia, Michigan

Dear Mr. Weber:

In accordance with your request, we are pleased to submit this proposal to provide **additional** roof consulting services for the above-referenced school. We have prepared this proposal based upon our conversations with you, our past involvement with these facilities and our past experience on similar projects. The purpose of this correspondence is to outline our proposed scope of services and provide you with a fee for our services. We trust that you will find this proposal acceptable and will retain our firm to perform the required roof consulting services.

As requested, we will provide roof consulting services in accordance with the scope of work outlined herein for Frost Middle School added to the scope of the 2021 reroofing program. The building has approximately 137,000 square feet of roofing.

The subject facility is a school facility which is generally one and/or two stories in height. The existing roofs are generally low-sloped and are covered with a PVC roofing system.

PHASE I - PLANS AND TECHNICAL SPECIFICATIONS/BID ASSISTANCE

Remedial roofing specifications will be prepared based upon pertinent information gathered during site visits to determine specific existing conditions. The technical documents will include plans, specifications and details necessary to clearly define the scope of the remedial roof work. The items of work will include:



- Review of any available construction plans and details and compiling any other available information regarding the details of existing construction.
- Visit the project sites to examine and evaluate the roof areas designated for remedial roof work. Perform test cuts on the existing roof systems at walls and curbs to determine the existing details of construction. Repair test cut samples immediately after our visual examination.
- Development of the most feasible and economical solutions to the current conditions based upon the project parameters.
- Preparation of technical specifications, including roof plans and details for the required remedial work. The technical specifications will establish the types and quality of the materials to be used and the manner in which the materials are to be applied. Included is the design of new fascia panels.
- Incorporation of the technical specifications with other standard requirements and bidding documents to provide a complete bid package. Such additional information will include insurance requirements, general conditions of construction and bid proposal forms. It is understood that RTA will prepare and provide such additional information and will assemble the complete bid packages. Assist with the advertising of the project as necessary.
- Assistance will be provided in the invitation of qualified roofing contractors to bid the required work as may be required.
- Attendance at a pre-bid meeting at the project sites with the contractors bidding the project to answer questions they may have regarding the project specifications. Issue Addendums as may be required.
- Respond to requests for information from the bidding roofing contractors during the bidding period.
- Evaluation of the submitted bids will be provided to assist in the selection of the roofing contractor(s) to perform the work. A recommendation relative to our evaluation of the bids will be submitted.

PHASE II - ROOFING QUALITY CONTROL MONITORING SERVICES

Construction quality control monitoring services are provided to ensure that the requirements of the contract documents are being met. The ongoing determination of contract compliance is based upon daily construction monitoring, which includes verification that the specified materials are used, proper quantities of materials are provided, and that the order and method of installation of such materials is in accordance with acceptable standard industry installation procedures. The goal of construction monitoring is to ensure that a quality roofing system is attained.



During the roof renovation work, we propose to provide an experienced roofing field representative to provide quality control monitoring and any required testing services in order to develop opinions as to whether the work essentially complies with project requirements and sound roofing practices.

In general, a variety of construction quality control monitoring services will be provided on your project. Specifically, our services will include the following items of work:

- Attendance at a pre-construction conference by our representatives. Specific items relating to materials storage, application procedures, work schedule and quality control requirements will be reviewed. The roof areas will be reviewed with parties involved in the project to clarify project performance requirements.
- Part-time on-site observation of in-progress roofing operations will be provided as needed. Contact will be made with your representative to review job progress.
- Preparation of Field Reports which will provide a summary of each day's activities, areas worked, test locations and results, notes regarding materials and processes that are found to not be in compliance with the contract documents and project requirements, and any other pertinent information.
- Preparation of punch lists and follow-up on any incomplete or incorrectly installed materials after substantial completion of the reroofing work on each area. A final inspection report will be issued when all roofing and related sheet metal work is complete.
- We will provide an on-site review of the roof installations and document our findings. This will be accomplished at one year and two years following completion of the project roof replacement and remedial work.
- Review Roofing Contractor's submittals and shop drawings.

GENERAL

One of our Registered Roof Consultants, (RRCs), will serve as Project Manager for this project. Other staff members will be assigned once the project schedule is formalized. We will commence our services after receiving your written authorization to proceed. The technical specifications will be available for bidding by the selected roofing contractors by January 2021, providing weather conditions allow for the timely completion of our field work.

PROFESSIONAL FEES

Professional fees for the work and personnel required to complete the above outlined roof consulting services will be established and billed on a lump sum basis.



The fees for the services of the project roof areas as outlined herein, will be:

**PHASE I AND PHASE II:
Frost Middle School..... \$54,680**

The fixed fee is approximately 2.8% of the preliminary budget of (137,000 square feet @ \$14.25/per square foot = \$1,953,000) for roofing. If the actual bid costs are 10% over or under the preliminary budget, the fee will be reevaluated accordingly.

Any necessary additional charges for services and personnel required to complete the project, such as specially requested meetings or other assistance, will be in accordance with our Fee and Rate Schedule. If it appears that additional work is necessary for this project, we will contact you or your office with reference to any needed modifications. No additional work will be performed unless authorized by you.

We appreciate this opportunity to submit our proposal for your consideration and look forward to working with you on this project. Following your review of this proposal, please do not hesitate to call us should you have any questions regarding this submittal.

Please indicate your acceptance of this proposal by having the appropriate person submit to us written authorization to perform the above outlined roof consulting services or by signing below and returning one copy of this proposal to us. Thank you for the opportunity to submit this proposal.

Sincerely,

ROOFING TECHNOLOGY ASSOCIATES, LTD.

Michael C. Bode, RRC
President

MCB/lab

Attachment

ACCEPTED FOR: _____

BY: _____

TITLE: _____

DATE: _____



ROOFING TECHNOLOGY ASSOCIATES, LTD.

38031 SCHOOLCRAFT
LIVONIA, MICHIGAN 48150-1065
(734) 591-4444 • FAX (734) 591-1660 • E-MAIL: rta@rtaltd.com
Web site www.rtaltd.com

FEE AND RATE SCHEDULE PROFESSIONAL SERVICES

PERSONNEL

Fees for our services will be based upon the time worked on the project by professional, technical and clerical personnel according to the following schedule:

	PER HOUR
Senior Project Manager	\$149.00
Project Manager	\$139.00
Senior Roof Consultant	\$127.00
Project Roof Consultant	\$109.00
Staff Roof Consultant*	\$99.00
Senior Roof Technician*	\$93.00
Roof Technician*	\$82.00
CADD Operator*	\$82.00
Secretarial Services*	\$55.00

*For these personnel, overtime work will be charged at a rate equal to 1.3 times the Standard Rate. A premium of 50 percent will be added to hourly rates for depositions and expert witness testimony.

EXPENSES

The following expenses, when incurred in connection with the project, will be charged at the rates shown:

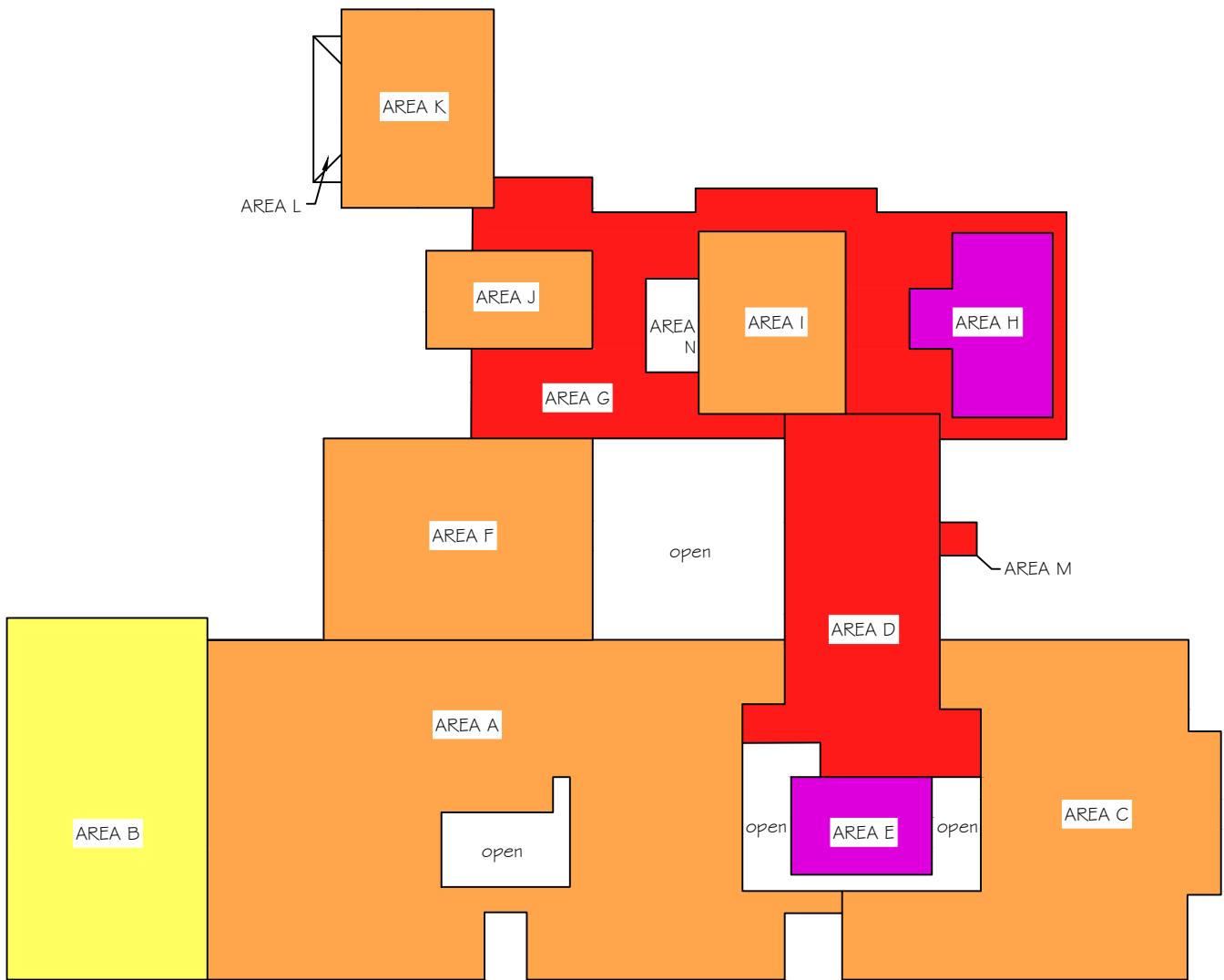
Transportation, Lodging and Subsistence for Out of Town Travel	Cost+15%
Printing, Reproduction, Photographs, Long distance Telephone and Facsimile Charges, Shipping Charges, and Material Purchases	Cost+15%
Vehicle Travel for Project	\$0.85/Mile
Rental of Specialized Field, Laboratory or Monitoring Equipment	Cost+15%

SUBCONTRACTORS/SUBCONSULTANTS

On projects requiring subcontractors or subconsultants, we will obtain the services of reputable contractors or consultants to perform such work. The fees of these contractors or consultants will be added to our invoices plus a 15% service charge.

INVOICES

Progress invoices will be submitted to the client monthly and a final bill will be submitted upon completion of our services. Invoices will show charges for different personnel and expenses. Each invoice is due on presentation and is past due thirty (30) days from invoice date. Client agrees to pay a finance charge of one and one-half percent (1½%) per month on past due accounts. We reserve the right to suspend or terminate work under our agreement upon failure of the client to pay invoices when due.



GENERAL NOTES:

1. All areas and dimensions shown are approximate and based upon rough field measurements taken by representatives of Roofing Technology Associates, Ltd.
2. This drawing should not be used for bidding or estimating purposes. Contractors are responsible for their own field measurements, quantities and verification of conditions shown.

CONDITION		SERVICEABLE LIFE	RCI
failed		0 - 1 years	0 - 30
very poor		1 - 3 years	31 - 45
poor		3 - 6 years	46 - 55
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fair to good		10 - 15 years	66 - 75
good		15+ years	76 - 100

ROOF AREA PLAN

not to scale

NOTE: components shown are new unless noted as existing



ROOFING TECHNOLOGY ASSOCIATES, LTD.

38031 SCHOOLCRAFT ROAD
LIVONIA, MICHIGAN 48150-1065
(734) 591-4444

LIVONIA PUBLIC SCHOOLS
FROST MIDDLE SCHOOL
14041 STARK RD
LIVONIA, MICHIGAN

Project No: 17-043

Date: JUNE, 2017

Drawn By: JDS

Checked By: MCB

Detail No:

18



Livonia Public Schools

Operations

Date: November 18, 2020

To: Andrea Oquist, Superintendent

From: Phillip Francis, Director of Operations & Alison Smith, Director of Finance

Re: Central Office Administration Building Renovations

We would like to continue the discussion with the Board of Education regarding renovations at the Central Office administration building. This will be a follow up to the discussion with the Board during the November 16, 2020 Study Session.

Please contact either of us if you have questions. Thank you.

PF/ko

C: Board of Education



Livonia Public Schools

Operations

Date: November 18, 2020

To: Andrea Oquist, Superintendent

From: Phillip Francis, Director of Operations & Alison Smith, Director of Finance

Re: 10-Year Facility Plan Update and Future Bond Planning

We would like to continue the discussion with the Board of Education regarding the 10-Year Facility Plan Update and Future Bond Planning. This will be a follow up to the discussion with the Board during the November 16, 2020 Study Session.

Please contact either of us if you have questions. Thank you.

PF/ko

C: Board of Education



Livonia Public Schools

Academic Services

Date: October 18, 2020

To: Andrea Oquist, Superintendent

From: Theresa O'Brien, Chief Academic Officer

Subject: CogAT and Iowa Online Testing Materials

I would like to request to be placed on the agenda for the Committee of the Whole Meeting on November 23 to request the purchase of CogAT and Iowa testing materials. We administer CogAT to our sixth and eighth graders each year. These assessments are typically given in person and we would like to shift to using the on-line version of these materials. We also utilize the Iowa test as a part of our identification process for our Academically Talented programs.

The attached quote is for CogAt testing materials for all sixth and eighth graders, Iowa testing materials, and some professional development to support the shift to online testing.



Proposal

Prepared For

Livonia Public School District

Livonia Public School District
15125 Farmington Rd
Livonia MI 48154-5413
United States

For the Purchase of:

CogAT 7 and Iowa E Online

For additional information or questions, please contact:

Barbara Fuerbacher
barbara.fuerbacher@riversideinsights.com

RIVERSIDE INSIGHTS

Attention:
Ben Hillard
bhillard@livoniapublicschools.org

Riverside Insights
One Pierce Place Suite 900W
Itasca, IL 60143
PHONE: 800-323-9540
orders@riversideinsights.com

10/26/2020

QT014116

1 of 3

Please submit this form with your purchase order

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Proposal For Livonia Public School District

Material No	Title	List Price	Discount %	Sale Price	Quantity	Purchase/ Amount
2000018	CogAT Form 7 Online Testing Levels 5/6-17/18	\$14.50		\$14.50	2,020	\$29,290.00
Coupon Discount						
1525779	Iowa Form E Complete Online Testing Levels 5-14	\$14.50		\$14.50	100	\$1,450.00
Coupon Discount						
2000572	DATAMANAGER TRAINING ACADEMY SILVER, BEYOND YEAR ONE	\$850.00		\$850.00	1	\$850.00
Subtotal						\$31,590.00

Thank you,
Barbara Fuerbacher | Assessment Consultant |
barbara.fuerbacher@riversideinsights.com

Subtotal Purchase Amount:	\$31,590.00
Shipping & Handling:	\$0.00
Sales Tax:	\$0.00
Total Cost of Proposal (PO Amount):	\$31,590.00

Accepted
 10/26/2020
 WHB

RIVERSIDE INSIGHTS

Attention:
 Ben Hillard
 bhillard@livoniapublicschools.org

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 Itasca, IL 60143
 PHONE: 800-323-9540
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Proposal For Livonia Public School District

Total Cost of Proposal (PO Amount) : \$31,590.00

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- Please return this proposal with your signed purchase order that matches product, price and shipping charges.
- Provide the exact address for delivery of print materials. The shipping address may be your district warehouse or individual school sites, but it is essential that this is accurate.
- Please supply the name of each important district point of contact for all aspects of the solution including their direct contact information (email/phone):
 - Point of Contact for Print Materials
 - Point of Contact for Digital Materials
 - Point of Contact for Scheduling Professional Development
- Please confirm that we have the correct 'Ship to' and 'Bill to' information on the proposal.

Ship To:
 Livonia Public School District
 15125 Farmington Rd
 Livonia MI 48154-5413
 United States

Bill to:
 137122
 Livonia Public School District
 15125 Farmington Rd
 Livonia MI 48154-5413
 United States

- Please provide funding start and end dates.
- Please note that all products and services will be billed upon the processing of your purchase order.
- Our payment terms are 30 days from the invoice date.
- Our standard shipping terms are FOB Shipping Point. The shipping terms for your proposal are FOB Shipping Point.
- Should any of these Terms of Sale conflict with any preprinted terms on your purchase order, the Riverside Insights Terms of Sale shall apply.
- Make check, money order, or valid purchase order payable to Riverside Assessments, LLC.

Thank you in advance for supplying us with the necessary information at time of purchase. Our goal is to ensure your success throughout the duration of this agreement, which starts with a highly successful delivery of our solution. For greater detail, the complete Terms of Sale may be reviewed here at: <http://www.riversideinsights.com>

Date Of Proposal: 10/26/2020

Proposal Expiration Date: 12/31/2020

RIVERSIDE INSIGHTS

Attention:
Ben Hillard
bhillard@livoniapublicschools.org

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