

TO:	Dr. Cone, Superintendent of Schools, LVISD	FROM:	Catherine Blackler <i>Catherine Blackler</i> Senior Project Manager, AGCM
cc:	Belinda Raindl, LVISD		Michael Rogers, AGCM
RE:	La Vernia ISD – Bond 2023	DATE:	June 18, 2025
SUBJECT:	n/a	PR DATE:	n/a
PR COST:	\$112,565.75	CONTRACTOR:	Future Infrastructures

Dear Dr. Cone,

The campus fiber relocation study has been completed. Three vendors were invited to participate in a site walk and submit proposals for the work. Of those, only one vendor, Future Infrastructure, provided a formal bid. The other two vendors did not submit pricing. Based on their responsiveness and proposal, we recommend awarding the work to **Future Infrastructure** at a total cost of **\$112,565.75**.

The scope of work includes the installation of new fiber infrastructure to accommodate the entire. The existing fiber line that services the campus currently runs through the area designated for the new CTE building pad. The new fiber will be brought in from the Bluebonnet and routed to the library. From there, underground conduit will be installed around the front of the library and into Building 100. The fiber will then be routed through Building 100 and into the MDF located in Building 300. The return fiber will follow the same pathway back.

A manhole will be installed on the west side of the library to facilitate the next leg of the installation. A new pathway will be trenched beneath the roadway to Building 400 and continue to exit Building 500. On the west side of Building 500, a second manhole will be installed, and a pathway will be trenched north toward the soccer field. The fiber will terminate at the primary and intermediate distribution points located in that area. Attached is subsequent back up for scope and pricing

1. TRADE PARTNERS PRICING:

i. Future Infrastructure	Fiber	112,565.75
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2. FUNDING SOURCE:

a. SOFT COST – LVISD: Impact Fee Allowance	<112,565.75>
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3. PROJECTED CONTINGENCY (After PR Approval):

a. SOFT COST – LVISD: Impact Fee Allowance	49,683.31
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Based on this analysis, AGCM has no objections to the cost, or the supporting documentation as submitted. If you have any questions or require further information, please let me know.

Sincerely,
AGCM, Inc.

Catherine Blackler

Catherine Blackler

Senior Project Manager

Attachment: Proposal Packages/Scope

/cb



ESTIMATES NO. **SAA Gcoleman**

Quote

LVISD ISP/OSP Re-Route

Customer LVISD

Name _____
 Address _____
 City _____ State _____ ZIP _____
 Phone _____

Date 6.13.25
 Order No. _____
 Rep Todd Armstrong
 FOB _____

SCOPE OF WORK

La Vernia ISD ISP & OSP Relocation

Qty	Description	Unit Price	TOTAL
ISP & Building Transitions			
216	Splicing - 48ct at vault 6, 7 8 and MDF 12ct at Vault 8	\$ 58.00	\$ 12,528.00
1	Patch Panel - 48 port Fiber Distribution panel rack mounted in MDF.	\$ 4,114.29	\$ 4,114.29
5	Build Riser - Build EMT Riser up/down and penetrate into building	\$ 1,214.29	\$ 6,071.45
1500	Conduit - 2" Aluminum EMT, includes footage for risers.	\$ 5.71	\$ 8,565.00
1500	EMT Conduit Placement	\$ 14.00	\$ 21,000.00
	Material - Bodies, Hangers, straps, allthread, unistrut, screwset couplers, 45s, 22s, Clamps, Jboxes, Fasteners for risers and Horizontal rooftop routes.		
1		\$ 2,142.86	\$ 2,142.86
100	Part caddy pyramid st fixed strut support - Rooftop conduit support, non penetrating.	\$ 35.00	\$ 3,500.00
100	Building 100 - Place Cable in Conduit. Includes serve loop footage	\$ 4.29	\$ 429.00
180	Building 200 - Place Cable in Conduit. Includes serve loop footage	\$ 4.29	\$ 772.20
318	Building 300 - Place Cable in Conduit. Includes serve loop footage	\$ 4.29	\$ 1,364.22
	Building 400 & 500 - Place Cable in Conduit. Includes serve loop footage. Also includes 12ct placement from vault 8 in conduit & J hooks.		
758		\$ 4.29	\$ 3,251.82
	Library - Does not include Cores through walls to traverse interstitial space. Shall be placed in Jhooks and off reflected Ceiling tile. Includes 12ct Placement from Vault 8.		
278		\$ 4.29	\$ 1,192.62
4	Core in ISP Routes for Riser	\$ 600.00	\$ 2,400.00
1	Skyjack - Move material onto roof	\$ 1,714.29	\$ 1,714.29
20	Standard hourly splicer w/otdr	\$ 120.00	\$ 2,400.00
OSP			
610	Directional bore 2x1 1/4" HDPE conduits - Large Vault 6 - 7	\$ 27.00	\$ 16,470.00
200	Directional bore 2x1 1/4" HDPE conduits - Riser to Large vault 8	\$ 27.00	\$ 5,400.00
120	Hard Scape - Large vault 8 to Riser 13 & 17	\$ 45.00	\$ 5,400.00
3	Labor-Place Vault	\$ 750.00	\$ 2,250.00
1	OSP material - Vaults, Conduit, Couplers and Mule tape	\$ 5,500.00	\$ 5,500.00
4	Private locates if required	\$ 700.00	\$ 2,800.00
6	Mobilization	\$ 550.00	\$ 3,300.00

SubTotal \$ 112,565.75

Payment

Tax Rate(s)

Comments

TOTAL \$ 112,565.75

Office Use Only

HAVE A NICE DAY





La Vernia ISD Region 20 Campus-Wide Fiber Replacement Narrative

Scope of Work:

1. Riser 11 to Vault 8

Traverse down telephone pole via Riser 11, continuing through softscape to Bore 10. Install appropriately sized HDPE pathway for the route terminating at Large Vault 8. Place one (1) 48-count fiber optic cable Tag and leave a 50-ft slack coil within Vault 8.

2. Vault 8 to Vault 7 via Rooftop and EMT

From Large Vault 8, softscape and hardscape pathway to Riser 13.

- Place one (1) 48-count fiber optic cable from Vault 8 up Riser 13, traversing across the rooftops of Buildings 400 and 500 using EMT (Label: EMT 15).
- Continue down Riser 12 into Large Vault 7.
- Tag and Leave 50-ft slack coils in both Vaults 7 and 8.

3. Vault 7 to Vault 6

Softscape and bore from Large Vault 7 through Bore 9 to Large Vault 6.

- Place one (1) 48-count fiber optic cable.
- Tag and Leave 100-ft service loops in both Vault 6 and Vault 7.

4. Vault 8 to Building 400 IDF (12ct)

Pull one (1) 12-count fiber optic cable from Vault 8 through the existing pathway up Riser 13. Continue via Horizontal 18 via j hooks into Building 400 to the northeast IDF.

- Tag and Leave a 50-ft slack coil in the IDF and in the vault.

5. Vault 8 to Library IDF (12ct)

Softscape and place ¾-inch HDPE pathway from Vault 8 up Riser 17.

- Penetrate horizontally into the Library to IDF via j-hooks.

- Place one (1) 12-count fiber optic cable.
- Tag and Leave a 50-ft slack coil inside the IDF and in the vault.

6. Vault 8 to Building 300 via Rooftop EMT

Softscape and place HDPE pathway from Vault 8 along the front of the Library heading east to Riser 19 on Building 100.

- Continue pathway via rooftop EMT (Label: EMT 16) across Buildings 100, 200, and 300.
- Traverse down and penetrate horizontally into Building 300 via Riser 14.
- Place one (1) 48-count fiber optic cable.
- Tag and Leave a 50-ft slack coil at both ends.

Hardware Requirements:

- Install D-Size FOSC enclosures in Vaults 6, 7, and 8. Splices detailed in a separate document / MOP.

Mounting Specifications:

- EMT rooftop conduit shall be supported using Caddy Pyramid ST Fixed Strut Support spaced approximately every 15–20 ft. 2" EMT https://www.nvent.com/en-us/caddy/products/nvent-caddy-pyramid-st-fixed-strut-support-0/pdf?measure_system=imperial

Riser Requirements:

- Risers 12, 13, 14, 17, and 19 shall be constructed using EMT.
- Risers 13, 14, and 17 shall include horizontal building penetrations at the point of entry.
- Riser 13 shall also extend vertically to the rooftop via a junction box (J-box).

Compliance Notes:

- This is a Region 20 campus-wide **backbone fiber**, therefore **No bare fiber shall be exposed at any point.**
- All backbone fiber must be fully enclosed in either HDPE or EMT conduit pathways to ensure protection and longevity for a district / campus wide topology.
- FUSION at VAULTS OUTSIDE ONLY AND AT MDF FOR FUTURE MAINTENANCE ONLY

Catherine Blackler

From: Todd Armstrong <tarmstrong@lvisd.org>
Sent: Wednesday, June 18, 2025 10:44 AM
To: Catherine Blackler
Subject: Fiber narrative trivia (copy/paste)

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Catherine, feel free to copy-n-paste portions below...

In mid-February, James Box of **Zayo**, LVISD's fiber provider who works with Region 20's fiber initiative, highly **recommended 3 subcontractors** in the San Antonio area...

- 1. Future Infrastructure
- 2. Echelon Telecom
- 3. JLS Drilling

All three were given at least one walkthrough at LVISD, from mid-February through mid-June.

All three have the equipment, manpower and experience to handle all aspects of the project.

All three received actual wheel measurements during the walkthroughs, and each received a post-walkthrough emailed outline reminding them of cabling and boring needs, including distances.

In recent weeks and days, all three were contacted via email and text messages, reminding them of quote deadline(s) and welcoming any questions they have to assist in generating quotes.

As of today's date, 6/18/2025, only **Future Infrastructure** submitted a thorough quote, comprising both **incoming fiber** relocation (to the main MDF) and **outgoing fiber** relocation (from the main MDF to the HS library, the 400 building, the Operations Center, and to the Primary and Intermediate campuses).

Todd Armstrong
LVISD IT Director
tarmstrong@lvisd.org
(956)391-9178

From: [Todd Armstrong](#)
To: [Shawn Purvis](#)
Subject: Fiber relocation quotes due (La Vernia ISD)
Date: Monday, June 16, 2025 9:29:52 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To all organizations providing quotes...

Please email your completed quotes by **noon today**, Monday, June 16th.

- Send to: Catherine Blackler -- cblackler@agcm.com

Thank you for your time and interest in assisting our school district.

Sincerely,

Todd Armstrong
LVISD IT Director
tarmstrong@lvisd.org
(956)391-9178
.

La Vernia Independent School District
Uncompromising Excellence, Unlimited Possibilities!
This email originated from the La Vernia ISD email server

From: [Todd Armstrong](#)
To: Angel@echelon-llc.com
Subject: Fiber relocation quotes due (La Vernia ISD)
Date: Monday, June 16, 2025 9:28:03 AM

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To all organizations providing quotes...

Please email your completed quotes by **noon today**, Monday, June 16th.

- Send to: Catherine Blackler -- cblackler@agcm.com

Thank you for your time and interest in assisting our school district.

Sincerely,

Todd Armstrong
LVISD IT Director
tarmstrong@lvisd.org
(956)391-9178
.

La Vernia Independent School District

Uncompromising Excellence, Unlimited Possibilities!

This email originated from the La Vernia ISD email server

From: [Todd Armstrong](#)
To: grant.coleman@prim.com; tbarth@prim.com
Subject: Fiber relocation quotes due (La Vernia ISD)
Date: Monday, June 16, 2025 9:24:10 AM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To all organizations providing quotes...

Please email your completed quotes by **noon today**, Monday, June 16th.

- Send to: Catherine Blackler -- cblackler@agcm.com

Thank you for your time and interest in assisting our school district.

Sincerely,

Todd Armstrong
LVISD IT Director
tarmstrong@lvisd.org
(956)391-9178
.

La Vernia Independent School District

Uncompromising Excellence, Unlimited Possibilities!

This email originated from the La Vernia ISD email server