REQUEST FOR PROPOSAL

Rev 040926

Alpena Community College

Fiber Optic Backbone Installation Project

Release Date: Friday, April 10th, 2026

Due Date: Monday, April 27th, 2026 @ 2:00 p.m. (Local Time)

Pre-Bid Meeting/Walk Through: N/A – Contact Facilities for Appointment

1. PROJECT CONDITIONS

Alpena Community College (ACC) is soliciting proposals from qualified contractors for the installation of a campus fiber optic backbone system.

The project includes all labor, materials, equipment, and supervision necessary to provide a complete and operational fiber optic system.

Contract Start Date: May 25th, 2026 (Pending approval)
Completion Requirement: All work must be completed and billed by July 31st, 2026

Contractor must coordinate all work with ACC Facilities to minimize disruption to campus operations.

Note: Soil conditions are typically sand on campus and solid bedrock/limestone approximately 12” below grade at the solar site.

Davis-Bacon Act (Prevailing Wage)

If this Contract is a prime construction contracts in excess of $2,000, the Contractor (and its Subcontractors) must comply with the Davis-Bacon Act (40 USC 3141-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”), and during performance of this Contract the Contractor agrees as follows:

(1) All transactions regarding this contract shall be done in compliance with the Davis-Bacon Act (40 U.S.C. 3141- 3144, and 3146-3148) and the requirements of 29C.F.R. pt. 5 as may be applicable. The contractor shall comply with 40 U.S.C. 3141-3144, and 3146-3148 and the requirements of 29 C.F.R. pt. 5 as applicable.

(2) Contractors are required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor.

(3) Additionally, contractors are required to pay wages not less than once a week.

2. SCOPE OF WORK

The contractor shall provide, but is not limited to, the following:

- Furnish and install complete fiber optic infrastructure
- Provide all trenching, directional boring, aerial installation, and restoration
- Provide all materials including fiber, conduit, vaults, handholes, cabinets, splice canisters, and termination hardware
- Perform all splicing, termination, labeling, and testing
- Coordinate with ACC administration to locate existing buried fiber that lacks traceability.
- Coordinate with utilities and MISS DIG
- Provide as-built documentation upon completion

A. BASE BID – PRIMARY FIBER ROUTE

Route:
Solar Array Pedestal → Woodward Ave → Besser Technical Center (BTC) Main MDF Room

This shall include a complete, end-to-end fiber system utilizing the runs defined below.

B. ALTERNATE ADD #1

Provide fiber from new College Park Apartments (CPA) data closet to CPA Fiber Vault– See Note #4

C. GENERAL INSTALLATION REQUIREMENTS

- All materials and labor shall be included
- Fiber shall be **Single Mode Fiber (SMF)**
- Fiber must be protected based on installation method:
    - Underground: Installed in conduit/duct
    - Aerial: Properly lashed or armored
- Provide tracer wire for all underground installations
- Maintain proper bend radius and installation standards
- All work shall meet applicable industry standards (TIA/EIA, NEC)

D.1 FIBER ROUTING – DETAILED RUNS - BASE

- All locations described in this document are approximate. The KMZ file available also has approximate locations. **Contact konieczk@alpenacc.edu for the KMZ file.** All fiber should be reasonably protected depending on location. Must be in conduit/cable ducts. Any pole attachment needs to be reviewed and coordinated with APC. Any pole attachments should be typical. Referenced Notes are located after this section.

- **Run #1 Description: Initial under the road to power poles**
    - From: Note #1 (Pedestal location near solar array)
    - To: Note #2 (Power pole attachment across street from solar)
    - Fiber: 12 strand SMF
    - Via: Underground in conduit OR aerial
- **Run #2 Description: Solar Array to Campus**
    - From: Note #2 (Power pole attachment across street from solar)

    - To: Power pole attachment near campus
    - Fiber: 48 strand SMF
    - Via: Aerial power pole attachments. At transition from 48 to 72, provide splice canister with slack loop.
- **Run #3 Description: Power pole to On-Prem**
    - From: Power pole attachment near campus
    - To: Note #3 (New vault/handhole with splice canister)
    - Fiber: 72 strand SMF
    - Via: Route fiber down power pole near campus, underground to new vault/handhole. At transition from 48 strand to 72 strand, provide splice canister with slack loop.
- **Run #4 Description: Fiber run towards CPA**
    - From: Note #3 (New vault/handhole with splice canister)
    - To: East side of new apartment road
    - Fiber: 72 strand SMF
    - Via: underground trench
- **Run #5 Description: Underneath the soon-to-be-constructed CPA drive**
    - From: East side of new apartment road
    - To: West side of new apartment road
    - Fiber: 72 strand SMF
    - Via: Underground directional boring or trench before CPA drive in place
- **Run #6 Description: CPA drive to CPA Pedestal**
    - From: West side of new apartment road
    - To: Note #4 (Vault/Handhole outside new CPA)
    - Fiber: 72 strand SMF
    - Via: Underground
- **Run #8 Description: CPA Pedestal to past Fine Arts**
    - From: Note #4 (Vault/Handhole outside new CPA)
    - To: East side FAC Sidewalk
    - Fiber: 144 strand SMF
    - Via: underground (Note #10 - fiber slack loop along Run #8 in new handhole)
- **Run #9 Description: Underneath Fine Arts Sidewalk**
    - From: East side FAC Sidewalk
    - To: West side of FAC Sidewalk
    - Fiber: 144 strand SMF
    - Via: directional boring / underground / manual dig
- **Run #10 Description: Fine Arts Lawn to Fine Arts Drive Vault**
    - From: West side of FAC Sidewalk
    - To: Note #6 (FAC Lawn handhole/splice)
    - Fiber:144 strand SMF
    - Via: underground / trench
- **Run #11 Description: Fine Arts Drive Vault to BTC Drive Handhole**
    - From: Note #6 (FAC Lawn handhole/splice)
    - To: Note #7 (West of BTC drive handhole/splice)
    - Fiber: 144 strand SMF
    - Via: directional boring
- **Run #12 Description: BTC Drive Handhole to BTC Datacenter Exterior Wall**
    - From: Note #7 (West of BTC drive handhole/splice)

    - To: Note #8 (BTC datacenter exterior wall)
    - Fiber: 144 strand SMF
    - Via: underground trench
- **Run #13 Description: BTC Datacenter Exterior Wall to Datacenter**
    - From: Note #8 (BTC datacenter exterior wall)
    - To: Note #9 (Fiber termination shelf)
    - Fiber: 144 strand SMF
    - Via: wall penetration to outside and pinned to wall inside

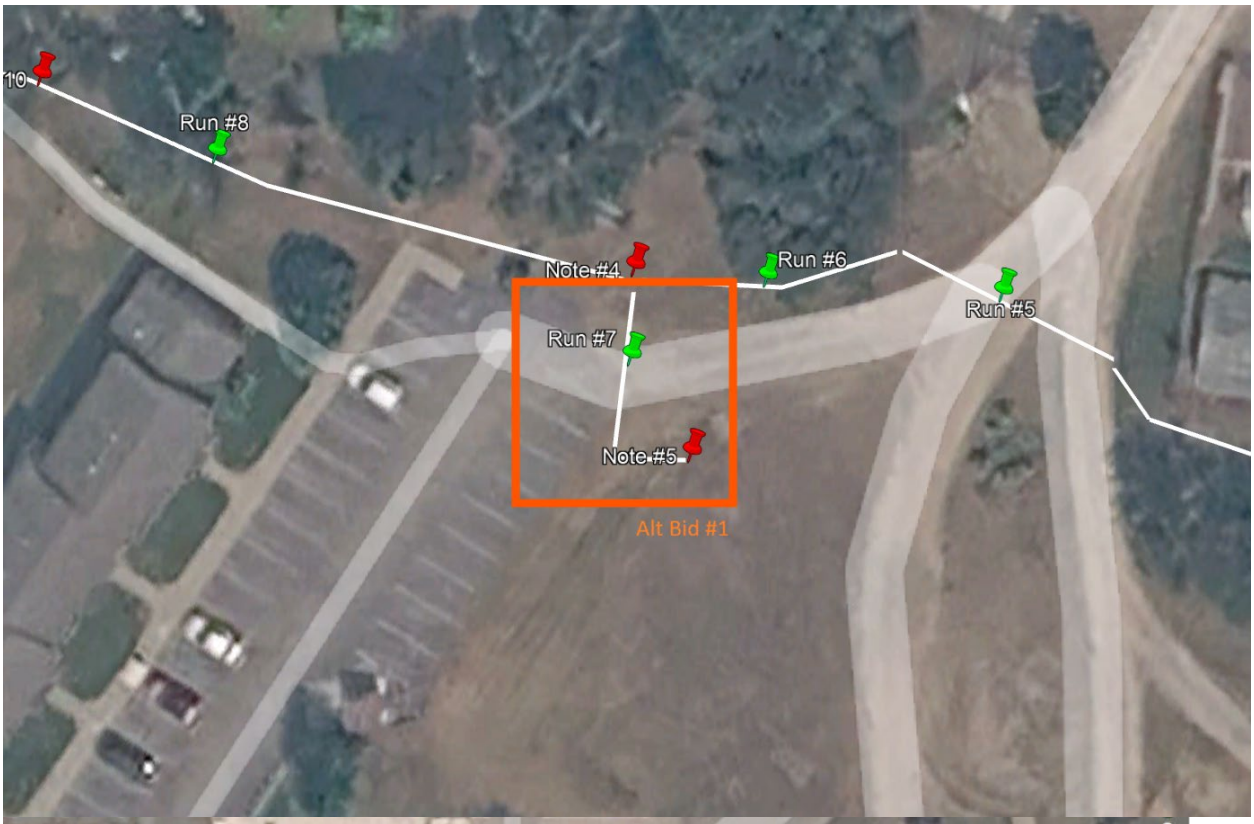
D.2 FIBER ROUTING – DETAILED RUNS - ALT BID

- **Run #7 Description: New CPA to CPA Pedestal**
  - From: Note #4 (Vault/Handhole outside new CPA)
  - To: Note #5 (New CPA Tech Room)
  - Fiber: 12 strand SMF
  - Via: Underground

- **Note #1**
  - What: Medium Size Network & Fiber cabinet/pedestal
  - Detail: ~20U , coordinate power (possible outside plug for service) Fiber termination panel with SC-UPC connector. Room for standard network switch, UPS, and minimal future expansion. Must include concrete pad appropriate for cabinet/pedestal. Must include multiple sweeps for fiber, data, and electrical feeds.
- **Note #2**
  - What: Splice canister on fiber line for future expansion w/ slack loop
  - Detail: standard size canister to house 48 strand splices
- **Note #3**
  - What: Vault/Fiber Splice Handhole
  - Detail: large enough vault/handhole to house multiple (~3) splice canisters
- **Note #4**
  - What: Vault/Fiber
  - Detail: Large enough for 84 splices
- **Note #5**
  - What: Fiber termination shelf
  - Detail: 12 strand SMF term shelf with SC_UPC connectors
- **Note #6**
  - What: Fiber vault/handhole
  - Detail: Large enough for 144 splices
- **Note #7**
  - What: pull-thru handhole w/ slack loop if needed
  - Detail: For directional boring to trench transition if needed
- **Note #8**
  - What: Wall penetration
  - Detail: Existing penetration was previously patched – reopen and use
- **Note #9**
  - What: Large termination shelf
  - Detail: 144 termination shelf with SC-UPC connectors
- **Note #10**
  - What: Slack loop Handhole
  - Detail: In ground handhole for future access to conduit


ACC Solar Array
Note #2
Run #1
Note #1
Woodward Ave
Run #2


Run #5
Run #2
Note #3
Run #3
Run #4
Woodward Ave


Run #8
Note #4
Run #6
Run #5
Run #7
Note #5
Alt Bid #1


Note #9
Run #13
Note #8
Run #12
Note #7
Run #11
Note #6
Run #10
Run #9
Run #8
Note #10

E. BUILDING ENTRY

(BTC)

- Contractor shall bring fiber into BTC through exterior wall
- Existing penetration shall be reopened and reused where possible
- Seal penetration to maintain weatherproofing and code compliance
- Route fiber to main MDF
- Supply, install, and terminate fiber in new fiber termination shelf

(CPA) for Alternate

- ACC has 4” pvc sleeve in northwest corner of the building under construction
- Route fiber to CPA tech closet
- Supply, install, and terminate fiber in new fiber termination shelf

F. EQUIPMENT & INFRASTRUCTURE

Contractor shall furnish and install:

- Fiber cabinets / pedestals
    - Must include concrete pad appropriate for cabinet/pedestal.
    - Must include multiple sweeps for fiber, data, and electrical feeds.
- Splice canisters
- Vaults / handholes sized appropriately
- Pull-through handholes with slack loops where called out or recommended
- Termination shelves:
    - 12 strand shelf (CPA)
    - 144 strand shelf (BTC MDF)
- All connectors shall be SC UPC

G. TESTING & DOCUMENTATION

- OTDR testing on all strands

- Labeling of all fiber strands, panels, and enclosures
- Provide as-built drawings including routes and splice points

3. PROPOSAL REQUIREMENTS

Company Information

- Legal company name
- Background and relevant experience
- Proof of licensing and insurance

Cost Proposal

- Use provided bid form

Warranty

- Minimum 1-year warranty on materials and workmanship

References

- Minimum three (3) similar projects within last five (5) years

Additional Submittals

- Fiber routing plan / map
- Product specification sheets

4. ALTERNATES

Required Alternate

- Alternate #1 – Fiber from College Park Apartments

Additional Contractor-Proposed Alternates

- Alternate #2: _____
- Alternate #3: _____
- Alternate #4: _____

All alternates must include:

- Description
- Justification
- Add/Deduct pricing

5. SELECTION CRITERIA

Criteria	Points
Competitive Cost	30
Timely Completion	30
Technical Compliance & Quality	30
References & Experience	10

6. WALK THROUGH

N/A – Contact Facilities Office to schedule a visit

7. GENERAL CONDITIONS

- ACC reserves the right to reject any or all bids
- Selection is based on value, not cost alone
- All work must meet applicable codes and standards
- Certificate of insurance required
- ACC may cancel work at any time (payment for completed work only)
- Refer to ACC Policy 5009 for local vendor preference

8. CLARIFICATIONS & QUESTIONS

All inquiries must be submitted in writing to:

Kurt Konieczny
Konieczk@alpenacc.edu
Director of Facilities Management

Questions Due: April 20th, 2026
Responses Issued By: April 21st, 2026

9. SUBMISSION INFORMATION

Submit bids by **2:00 PM, April 27th, 2026**

kowalewl@alpenacc.edu

Alpena Community College
665 Johnson St
Alpena, MI 49707

Attention: Lyn Kowalewsky
Controller – VLH 110

10. BIDDER CERTIFICATION

By submitting a bid, bidder certifies compliance with Michigan Act 517 (Iran-Linked Business prohibition).

11. ACKNOWLEDGEMENT OF ADDENDA

List all addenda issued (or mark N/A):

12. BID PROPOSAL FORM

BASE BID

Solar Array to BTC MDF Fiber Installation:
Total Bid Price: $_____

ALTERNATES

Alternate #1 – CPA Fiber Route:
Price: $_____

Alternate #2: _____
Price: $_____

Alternate #3: _____
Price: $_____

Warranty

System Details Provided

NOTES

- All materials, labor, and equipment must be included
- Work must comply with all applicable codes
- Pricing must remain valid for 60 days

Bidder Signature: _____