REQUEST FOR PROPOSAL 24-02

Sophie Plaza and Jillian Square MDU OSP Build

Alaska Communications, with its primary administrative and operational offices located at 600 Telephone Avenue, Anchorage, Alaska 99503, is requesting proposals in accordance with all specifications, terms, conditions, and provisions of this Request for Proposal (RFP).

Alaska Communications reserves the right to accept or reject any and all proposals and/or to waive any minor informality in the RFP process. The proposal must be returned to Alaska Communications prior to the date and time indicated below. ANY PROPOSAL RECEIVED AFTER THIS DATE AND TIME WILL BE RETURNED TO THE PROPOSER UNOPENED.

RFP Issued	**March 21, 2024**
Deadline for Questions	**March 26, 2024** 12:00 pm, Alaska Time
Q & A Distributed	**March 27, 2024**
Proposal Deadline	**March 29, 2024** 2:00 pm Alaska Time
Notice of Intent to Award Issued (Anticipated)	**April 4, 2024**

Alaska Communications hereby notifies all participants that the RFP may be cancelled, and the project awarded without the use of the RFP process at any point during the RFP process.

ISSUED BY:

ALASKA COMMUNICATIONS
PURCHASING DEPARTMENT

POINT-OF-CONTACT:

HEATHER MARTIN
SR. BUYER
HEATHER.MARTIN@ACSALASKA.COM

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REQUEST FOR PROPOSAL

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SECTION 1. RFP GENERAL INFORMATION

1.1 PURPOSE

The purpose of this Request for Proposal (RFP) is to solicit unit price proposals from qualified proposers to provide outside plant construction services delivering fiber service to two apartment complexes in Fairbanks, Alaska. The successful proposer will install fiber service to Sophie Plaza, (354 units) located on University Avenue, and Jillian Square, (356 units) located on Davis Road, as described in this RFP and as illustrated in the Project Drawings (Appendix D). Proposers may bid one or both projects and the Completion Date for all construction activities is July 1, 2024. Proposers bidding on both projects must submit separate bid packages for each project.

1.2 BACKGROUND

Alaska Communications, headquartered in Alaska, is a telecommunications provider that delivers internet, local, long distance, videoconferencing, data hosting, and managed services to its customers who are businesses, federal agencies, consumers, and carriers, including those with locations and needs outside of Alaska. Alaska Communications has key partners who help extend the reach of Alaska Communications so that Alaska Communications can deliver and manage a complete telecommunications solution for its most sophisticated customers.

1.3 QUESTIONS AND EXPLANATIONS

Any proposer desiring an explanation or interpretation of this RFP must request it in writing (via email) to the Point-of-Contact listed on Page 1 of this RFP. Answers to any questions received prior to the Deadline for Questions will be distributed to all potential proposers. **No personal contact regarding this RFP is to be made by any of proposer's representatives with Alaska Communications employees, agents, or any insurers regarding Alaska Communications.**

1.4 ERRORS AND AMBIGUITIES

Proposers are encouraged to read the RFP (and any relevant documents) thoroughly. Any ambiguity, conflict, discrepancy, omission, or other problem in this RFP should be reported, via email, to the Point-of-Contact, as soon as possible and, in any case, prior to the deadline for proposal submittal.

1.5 CHANGES AND CLARIFICATIONS

No oral change or interpretation of the provisions contained in this RFP will be valid or binding on Alaska Communications. Written addenda will be issued, by the Alaska Communications Purchasing Office, when changes, clarifications, or amendments to the RFP are deemed necessary.

Alaska Communications shall give written notice of any addenda issued to all known recipients of the RFP. However, Alaska Communications shall not be responsible for any proposer's failure to receive any addenda. It is the

proposer's sole responsibility to ascertain, prior to submittal, that any addenda issued to this RFP have, in fact, been received. Any proposer desiring to check on addenda issued should contact the Point-of-Contact by email.

1.6 COMPLIANCE WITH LAWS

Proposer will observe and abide by all applicable laws, regulations, ordinances and other rules of the federal, state, and/or any political subdivisions thereof, or any other duly constituted public authority wherein work is done, or services performed and further agrees to indemnify and hold Alaska Communications harmless from any and all liability or penalty which may be imposed or asserted by reason of the proposer's failure or alleged failure to observe and abide thereby.

1.7 ALASKA COMMUNICATIONS PROPERTY SAFEGUARD REQUIREMENTS

Proposer will take all reasonable precautions in accordance with sound business practices, to safeguard and protect Alaska Communications information, data and property in its possession or custody. Unless otherwise provided, proposer assumes the risk of, and shall be responsible for, any loss of, or damage to, Alaska Communications furnished information, data, and property in its possession.

SECTION 2. PROPOSAL REQUIREMENTS AND SELECTION CRITERIA

2.1 PROPOSAL SUBMISSION

Proposer shall submit its proposal to the Point-of-Contact by the RFP Deadline listed on Page 1 of this RFP. The proposal must be signed by a person with the authority to contractually bind the proposing organization. A proposal may be signed by an agent(s) only if he/she is an officer authorized to sign contracts on the proposer's behalf or is properly authorized by a power of attorney or equivalent document. The name and title of the individual(s) signing the proposal must be legibly shown immediately below the signature.

The proposal shall be organized and follow the format presented below. The proposal must be sufficiently detailed to allow for evaluation and comparison of the proposal against competing proposals. Any exceptions, assumptions, or exclusions must be clearly stated on the first page of the proposal.

2.2 PROPOSAL DELIVERABLES AND SELECTION CRITERIA

2.2.1 EXPERIENCE AND EXPERTISE (15%)

Proposer shall demonstrate, in its proposal, its experience and expertise providing the services as outlined in this RFP, highlighting similar projects, in accordance with the requirements set forth in this RFP. Proposals must include the following:

A. A comprehensive overview of the firm's experience in outside plant construction with emphasis on construction in Fairbanks, Alaska.

B. Three specific examples (within the last five years) of projects where the proposer performed the services defined within this RFP. Proposer must include written authorization allowing Alaska Communications to discuss the proposer's performance with the proposer's customers. Proposer shall include for each example:
    1) Customer name, point of contact, email address, and phone number
    2) Project start and finish dates
    3) Description of the work performed and the standards and procedures employed
    4) Quality control measures employed
    5) Issues encountered
    6) Any additional pertinent information

C. A description of Proposer's formal Quality Assurance (QA) and Quality Control (QC) program which includes, at a minimum, quality control methods employed in the field for: minimizing punch list items, maintaining the integrity of materials and equipment, ensuring compliance with manufacturers' installation requirements, etc.

D. A description of the proposing organization which includes number of employees, client base, areas of specialization and expertise, revenues for the last three years, and any other pertinent information in such a manner that a proposal evaluator may reasonably formulate a determination about the stability and financial strength of the proposer's organization.

E. Description of the proposer's safety program and safety record for last three years.

2.2.2 ABILITY (15%)

Proposer shall demonstrate, in its proposal, its ability to perform the services in accordance with the requirements set forth in this RFP by providing the following:

A. A clear statement certifying Proposer's acknowledgment, understanding, ability, and agreement to comply with the requirements defined in this RFP, Alaska Communications' Master General Construction Agreement, Rural Utility Standards, and all applicable laws, rules, regulations, ordinances, etc. enforced by the Authority Having Jurisdiction (AHJ).

B. A statement of Proposer's capacity to provide the services solicited through this RFP, specifying the number of crews available for the project, number of personnel per crew, time required from notification to begin work, and assurance that:
    1) Proposer maintains the required tools and equipment sufficient to complete the projects.
    2) Proposer warrants it possesses or can obtain all necessary licenses under federal, state, and local laws to perform the work involved for all services under this RFP.
    3) Proposer warrants all workmanship will be in accordance with all current RUS standards, MGCA, the standards provided herein, and applicable laws and regulations according to the AHJ including but not limited to the following: NEC, NESC, IEEE. In the event of a conflict, the most rigid requirement shall apply.
    4) Proposer owns or leases and can provide a description of its equipment to be utilized in providing the services.

5) Proposer warrants it possesses all necessary insurance coverage.
6) Proposer warrants it possesses or can obtain all necessary bond coverage.

C. A list of Key Personnel who will be involved in Proposer's performance **on site** and a one-page resume for each person highlighting:
   1) Relevant education and training (include college degrees, dates, and institution name and location)
   2) Licensing and certifications essential to perform the services (include specific certifications, training, and experience on the required equipment)
   3) References to previous projects (include a brief description of the project, the role and responsibility of the individual, specific experience, the client's name, project start and finish dates)
   4) AK-CESCL (Certified Erosion and Sediment Control Lead) numbers for key supervisory personnel

D. Disclosure of any and all judgments, pending or expected litigation, or other real or potential financial reversals which might materially affect the viability or stability of the proposing organization; or warranty that no such condition is known to exist. Proposals will indicate if any change in ownership or control of the proposing company is anticipated during the 12 months following the proposal due date, describe the circumstances of such change and indicate when the change shall occur.

E. Evidence that the proposer's financial condition is sufficiently sound to permit it to provide the required labor and equipment necessary to timely complete the project. A copy of the proposer's credit rating, as determined by a qualified source (i.e., TRW, Dun & Bradstreet, etc.) will be included.

2.2.3 APPROACH (35%)

Proposer shall describe, in its proposal, its detailed approach to the project by providing the following:

A. Proposed schedule for construction, including milestones, in accordance with the overall Completion Date defined above.
B. Budget for each site
C. Quality Control Plan
D. Safety Control Plan
E. One Construction Point of Contact (CPOC) for the project
F. List of personnel, positions, and contact information for at least two "Persons Responsible" who will be involved in day-to-day operations and are authorized to make decisions.
G. List of all equipment to be utilized in the performance.
H. List of all subcontractors **planned** to be used (understanding it may change) i.e., surveyors, traffic control, etc. and brief description of the sub.

2.2.4 PRICE (35%)

A. Proposer shall submit its fully burdened unit pricing on the associated Price Schedules for Sophie Plaza and/or Jillian Square (Appendix E). The successful proposer acknowledges that it shall invoice only for actual units installed.

B. Proposer's T&M rates are requested, although T&M is not anticipated, nor will T&M be considered without approval from Alaska Communications Project Manager (must be approved ahead of time). All T&M must be discussed with the Alaska Communications Project Manager prior to commencing T&M and agreement must be documented, signed, and dated by Contractor's on-site foreman and the Project Inspector, on both sets of the redlines.

C. Proposer's fully burdened price proposal includes (this is not an exhaustive list):
   - Construction and associated activities, i.e., travel to and from the location(s), restoration to pre-existing conditions, removal of spoil and debris, etc.
   - Administrative overhead including meetings with municipalities, developers, utilities, etc.
   - Minor materials

SECTION 3. EVALUATION AND AWARD

Proposers who submit a proposal that conforms in all material respects to the requirements of this RFP, including but not limited to 1) clearly demonstrating its plan to complete the work, and 2) certifying that it is available to perform the work as both are defined in this RFP, will be considered a Responsive Proposer.

Proposals from proposers that do not meet this definition, in the sole judgment of Alaska Communications, will be considered non-responsive and these proposals will be rejected.

Alaska Communications may accept proposals from all eligible, capable, and competitive vendors. Alaska Communications is under a Collective Bargaining Agreement (CBA) with the 1547 IBEW and shall consider proposers under a current CBA or who have a letter of assent with the local 1547 IBEW, and then consider all others.

SECTION 4. PROPOSER'S REPRESENTATION

Each proposer, by signature on and submission of their proposal, represents that they have read and understand the proposal documents, have received all documents listed on this RFP document and subsequent addendums, and that its proposal is submitted in accordance therewith. This RFP, the proposal, and any resulting documentation of the work are supplements to the Alaska Communications MGCA, and the successful submittal/s will require the successful Contractor/s to become signatory to the MGCA.

The undersigned acknowledges that the company he/she represents has carefully read the specifications and standards and other documents related to this RFP and that the proposer has informed itself of the nature of the work. The Price Schedule submitted by the proposer represents its proposal based upon the information presented in this RFP.

Signature	Proposing Organization
Printed Name	Address
Title	City, State, Zip Code
Date	Phone / Fax
Email Address	

APPENDIX A
REQUIREMENTS FOR CONSTRUCTION

All requirements contained in this Appendix shall be considered a material part of the Statement of Work (SOW) resulting from this RFP and shall be set forth and deemed in addition to the requirements contained in the MGCA. This RFP shall prevail for any conflict between provisions contained in this RFP and the MGCA.

A.1 DEFINITION OF TERMS

A. "AHJ" means the authority having jurisdiction, i.e., SOA DOT, North Star Borough, Railroad, etc.
B. "Alaska Communications Administrator," "Administrator," or "Project Manager" means the person designated by Alaska Communications as the Project Manager, or their designee.
C. "Contractor" means the successful proposer under this RFP who enters into a SOW to perform the work.
D. "Equipment" means all Contractor supplied vehicles, machinery, and tools required to perform all installation of buried, underground, and aerial cable.
E. "Labor" means those qualified, certified, and skilled personnel employed by the Contractor and who actually accomplish all the tasks assigned to the Contractor under the SOW. The Contractor is responsible to supply personnel who are qualified and knowledgeable in the working field of telephony straight line, line and splice work.
F. "Major Materials" is defined as all poles, conduit, manholes, handhole/manholes, pedestals, terminals, splice cases, fiber patch panels, fiber cassettes, cable, inner duct, micro duct, repeater housings, circuit cards, and telecommunications cabinets and or boxes.
G. "Project Engineer" means the engineer responsible for the project as designated by Alaska Communications.
H. "Project Inspector" or "Inspector" means the inspector assigned to the project as designated by Alaska Communications.
I. "SOW" means the Statement of Work (contract) between the Parties resulting from the accepted proposal and award of this RFP.
J. "Telephone Lineman" means a person capable of performing all related tasks regarding the installation and maintenance of buried, aerial, and underground outside plant construction. Must be able to access poles and operate various trenching and excavation machines, earth augers, winches, etc. Clears right of way, constructs manhole and duct systems, erects poles, strings messenger, set anchors, places or strings cables, trenches, and backfills, as well as other related tasks associated with installation and maintenance of the outside cable plant.

A.2 GENERAL

The relationship between the Parties shall be that of independent contractors and not of principal and agent, employer and employee, franchiser and franchisee, partners or joint ventures. Alaska Communications may administer the Contract and monitor the Contractor's compliance with its obligations hereunder.

Contractor warrants and agrees to ensure all workmanship is in accordance with the specifications as detailed in this SOW, current RUS standards, Alaska Communications MGCA, and all applicable laws and regulations. In addition to any requirements set forth by the Authority Having Jurisdiction ("AHJ"), the SOW, and MGCA, Contractor shall abide

by all applicable codes and standards. All work performed on public right-of-way or airport or railroad right-of-way shall be in accordance with requirements and regulations of the Authority Having Jurisdiction (AHJ) thereunder.

Installation of all work shall be made so that all component parts are installed and function as a complete, workable system.

Safety is the Contractor's responsibility and shall not be relieved of this responsibility at any point throughout its performance hereunder.

Contractor shall give all notices and comply with all laws, ordinances, rules, and regulations bearing on the construction of the system as drawn.

In the event any materials are provided by Alaska Communications, Contractor assumes responsibility for Alaska Communications' supplied materials upon taking possession of said materials whether materials are retrieved from Alaska Communications' Warehouse or retrieved or delivered to a location as determined by the Alaska Communications Project Manager or their designee. Costs of any/all materials not used and not returned to Alaska Communications warehouse within two days of completion of project shall be deducted from Contractor's final invoice for that project. All signed Return tickets must be included in close-out package to avoid charges of materials not returned.

Contractor shall request approval from the Alaska Communications Project Manager, prior to hiring, for any/all subcontractors (i.e., surveyors, traffic control, etc.) which will either be approved or denied.

Alaska Communications will provide all Major Material for construction work under the Contract. Major material is defined as all poles, conduit, manholes, handhole/manholes, pedestals, terminals, splice cases, fiber patch panels, fiber cassettes, cable, inner duct, micro duct, repeater housings, circuit cards, and telecommunications cabinets and or boxes. **Contractor shall provide all other materials which includes all electrical materials, boxes, and components.**

A.3 FIELD REVIEW

Upon receiving NTP for this RFP and 48 hours prior to commencing work, Contractor shall arrange a Field Review with the Alaska Communications Engineer. The purpose of this field review is to identify the proposed work and any specific or unique requirements. No additional charges or fees will be considered or paid for the purpose of a field review within the district.

A.4 SCHEDULE AND TIME FOR COMPLETION

Contractor shall provide a precise schedule for the project to include Schedule Milestone Completion Dates. Contractor may request adjustments to the Schedule to be approved by Alaska Communications, but the Contractor understands that the deadline shall remain no later than the Completion Date. Any project work not completed in accordance with the Contractor's Scheduled Milestone Completion Dates without an approved extension will be considered overdue after a maximum of seven working days.

Contractor may be considered delinquent 48 hours after receiving written notice of overdue work. Alaska Communications reserves the right to have the work, or remaining work, accomplished by others and deduct liquidated damages from any payments due to the Contractor. In the event of repeated delinquencies, the SOW (and MGCA) may be terminated for cause.

A.5 DELIVERABLES

Contractor's completion package shall consist of the following:

A. Copies of Notice to Proceed and Notice of Job Acceptance
B. Red-lined as-builts of any changes to the original design per the MGCA
C. Complete tabulation
D. Pictures of all installations
E. Pictures of all grounding
F. Pictures of all open trenches
G. Test results of all AHJ required compaction sites (road crossings, etc.)
H. Test results of all spliced fibers
I. Copies of all Change Order Request Forms (approved and denied)
J. Contractor's Price Schedule
K. Any applicable receipts
L. Alaska Communications Warehouse receipts for any/all materials checked out and/or returned.

A.6 REPORTING REQUIREMENTS

Contractor shall update and submit a report of all outstanding invoices by the 23rd of each month, by 9:00 am, Alaska Time. The report must be submitted via email to the Alaska Communications Project Manager.

Contractor shall attend at least one weekly meeting with Alaska Communications Team as scheduled by the Alaska Communications PM to discuss progression of the project, ensure schedule and budget constraints are being met, and review of the Foreman's Field Notes.

On-Site Foreman shall keep a copy of Engineering Drawings on-site with correct and up to date sequentials of conduit and cable, total footages of spans, locations of peds, vaults, bores, and field notes of the progression of the job. All entries shall be dated with time of work performed. These Foreman's Field Notes shall be reviewed with the Project Inspector weekly.

A.7 NOTICE OF JOB ACCEPTANCE

Upon completion of Inspection, RRTF review, corrected punch list items and any/all other outstanding issues have been resolved the Project Inspector shall send an email to the Contractor and Alaska Communications Project Manager stating that the WBS is ready for invoicing.

A.8 CHANGE ORDERS

To the extent that Alaska Communications requires or requests, in writing, additional services or services that exceed the Services set forth in any assignment incorporated herein (Change Order), Contractor will charge an additional fee for such Change Order. Fees for such additional services or out of scope work will be set forth on a Change Order Request by the Contractor, which will also provide a description of the changed or additional services being requested. Once a Change Order Request is accepted by both parties, it will be incorporated into the SOW and have the same legal effect as any assignment that is incorporated into the SOW.

Any and all Change Orders shall be submitted by the Contractor to the Project Inspector for Alaska Communications to be approved by the Alaska Communications Project manager prior to commencement of such change. The Project Inspector is the point of contact for changes during construction. Contractor is responsible to acquire a copy of approved Change Orders.

A.9 LOCATES

Contractor shall locate underground lines of Alaska Communications and third parties in the cable route area in accordance with AS42.30.400, AS42.30.410, and AS42.30.430. Contractor shall follow Alaska Dig Laws. Contractor shall take every precaution necessary to avoid damage to any underground facility. The contractor shall keep a log of any/all damaged utilities, personal property, etc. to include a detailed description of what happened to cause the damage. Damages shall also be recorded on the Foreman's Field Notes and discussed with the Alaska Communications Inspector.

A.10 RED-LINED DRAWINGS

All information shall be marked in red on a clean set of issued-for-construction drawings clearly marked "Red-Lined Drawings". The Red-Lined Drawings shall be updated weekly by the Contractor to the satisfaction of the Project Inspector.

Requirements for Red-Lined Drawings:

A. Changes shall be marked in red to clearly identify the changes to the original design.
B. Changed stationing, elevations, and notes shall be crossed out with single lines, with the values and modified notation shown in red directly above, below, or beside the crossed-out information.
C. Pre-existing utility lines or any construction that has been deleted or relocated shall be neatly crossed out with multiple "X's" and remain legible.
D. Reference information used to prepare red-lined drawings such as change orders and field books shall be referenced on the plans.
E. All as-built GPS coordinates called out by Alaska Communications shall be provided on the red-lined drawings in a format acceptable to Alaska Communications.

A.11 TRACER WIRE INSTALLATION AND LOCATE POSTS

Continuity shall be tested, documented, and approved on site by the Contractor and Project Inspector.

If the tracer wire is broken during installation, the Contractor shall repair and test the wire for continuity after repair.

Locate tape will not be accepted without prior Alaska Communications approval.

Each wire will be labeled as to the direction it leaves the manhole, and if possible, the manhole or building that it is heading toward to allow easy identification and attachment of a tone generator to assist in future cable path location efforts. The tracer wire will be tested for continuity and functionality before acceptance.

Install one Fiber Warning Locate Post at every handhole and manhole.

Tracer wire must be tied into the ground via ground rod or ground bar and/or fiber warning locate post.

A.12 DEPTH OF BURIAL

The Contractor will ensure minimum depth requirements are met for all installations. The depth requirement is 42" on all cable installed within the Right-of-Way or Easement, and 48" on all cables installed within the 'Road Prism' as described within the MGCA.

Where cable crosses existing sub-surface pipes, cables, or other structures: at foreign object crossings, the cable will be placed to maintain a minimum of 12" clearance from the object or the minimum clearance required by the object's owner, whichever is greater.

A.13 HIGHWAY, RAILROAD, AND OTHER BORED CROSSING

All crossings of state or federal highways and railroads right-of-way shall be made by boring and placing a pipe casing terminated at both ends with a vault or pedestal. The cable shall be placed through the pipe casing. Country road and other roadways shall be bored, trenched, or plowed as approved by the appropriate local authority.

Where the cable route crosses railroad right-of-way, the cable shall be placed at a minimum depth of 65" below the base of rail, unless the controlling authority requires additional depth, in which case the greatest depth will be maintained. The wireline/innerduct must be encased completely across the railroad ROW with a minimum of SDR-11 conduit.

A.14 HANDHOLES AND MANHOLES

Handholes will be placed in accordance with standard industry practice following the specifications provided in the construction plans, typical drawings, and detail drawings. Special attention and planning must be exercised to ensure accessibility by other groups after construction has been completed.

If handholes/manholes are constructed in a manner that requires assembly of sections on site, assembly will require the use of an approved sealant for each joint location (joint seams in walls/lids, neck riser ring seams, etc.) such as Rub 'R Nek LTM RU106, Ram-Nek RN103, or equivalent.

All handholes will be buried with lids placed at grade to allow for proper drainage, unless otherwise stipulated by the drawings or as directed by the Alaska Communications Project Manager.

Immediately after placement, the soil around and over the handhole/manhole will be tamped and compacted. Should any washouts occur, the Contractor will be responsible for correcting the problem immediately without additional cost to Alaska Communications.

After cable placement, all ducts will be sealed with jack moon plugs or equivalent.

All splice handholes/manholes will be grounded with 8-foot ground rod and #6AWG solid bare copper conductor; 48x78 or larger vaults will have two ground rods installed.

A minimum of 100' coil of fiber cable shall be left in each handhole/vault/building for splicing use. Additional slack may be necessary as needed to facilitate splicing van/trailer parking.

Contractor shall eliminate any safety hazard to include backfilling any hole created in its operations prior to leaving the project site at the end of the day.

Subbase preparation shall consist of geotextile fabric installed with NSF material being D-1 and placed to a depth of 12" below design grade and compacted to 95% of its maximum density. If the gravel foundation proves to be inadequate to support the handhole/manhole, the Contractor shall remove the handhole/manhole and re-compact to meet the requirements stated above (i.e., AHJ).

Sub grade shall be leveled on all sides and smoothed in preparation for the handhole/manhole base. All trench sections within 8' of concrete handhole/manhole conduit entries shall be compacted to the requirements stated above. Contractor shall supply and place pea gravel in handholes per attached drawing. Prefabricated handholes/manholes are installed in sections; concrete handholes/manholes require ramnek joint sealer (or equivalent) between sections. All cables shall enter through the bottom of HH's. No drilling of walls is allowed without prior written Alaska Communications Inspector approval.

Alaska Communications standard Handhole/Manhole sizes are:

a. 48x78 Concrete Manhole
b. 30x48x36 Handhole
c. 36x96x42 Handhole

Once installation of the handhole/manhole is completed, all penetrations will be sealed (ground rod penetrations, duct entry points through walls, ducts themselves, etc.) to prevent infiltration of ground water into the container. Each penetration type will be sealed with a method appropriate to the long-term operation of the handhole/manhole container, i.e., grout around conduit penetrations, removable plugs. Contractor shall propose method for sealing and must have Alaska Communications written approval before implementing.

Knock outs are provided for conduit entries and terminations in manhole and shall be either duct sealed, mortared, or urethane foamed at the direction of the Alaska Communications Inspector. Contractor shall ensure that all terminations into a manhole are sealed to prevent water intrusion.

The handhole or manhole frame and cover shall be set to the designed finished grade of the proposed paving or existing ground level as designed by the Engineer.

In wet areas, Contractor shall supply raised gravel pads for handhole installation to avoid water intrusion. Elevations for pad placement shall be field verified by the Contractor who will provide written and visual confirmation to the Project Inspector. Pads shall consist of D1, or Alaska Communications approved material being 3' on all sides of the handhole with no more than a 1:1 slope to existing grade or as determined by the Project Inspector.

Contractor will place two 8-foot ground rods, one on each end of each manhole excavation, and shall place one 8-foot ground rod on all handholes. Ground rods shall be driven from the base level down and connected to the handhole/manhole ground wire leaving a 6-foot loop of that same wire inside the handhole/manhole as shown in the plans. An additional MGN ground wire, bonded to the multi-neutral ground to power is required if available.

A.15 AERIAL PLANT

Contractor shall construct aerial plant as to industry standards, as described within Exhibit B of the MGCA, RUS, and Alaska Communications specifications. All construction of aerial plant shall conform to utility clearances as prescribed within the construction procedures of the operating AHJ being power utilities and the NESC. The work shall include, but not be limited to, placement or removal of poles, anchors, down guys, strand, pole contacts, attachments, and telephone cables.

Contractor shall install new cable, bug nuts, and straps in conformance to cable manufacturer's requirements. Contractor shall ensure that labor is equipped with all proper equipment for cable installation, i.e., appropriately sized lashers, clamps, tensioning equipment, pulling eyes, travelers, corner travelers, bucket trucks, ladder trucks, cable socks, p-line, bull wheels, cable blocks, and winches required for the work.

Contractor is advised, prior to cutting any cable, the Contractor must obtain authorization to cut cable from the Alaska Communications Inspector. Cutting cable without authorization may subject the Contractor to damages. Contractor shall incorporate into the aerial installation slack loops (snowshoe) in aerial fiber trays at those locations as depicted on the plans. Cable markers shall be installed at every pole and splice case as required.

A.16 RESTORATION

Contractor shall be responsible for all restoration including resolution of customer site complaints as directed by Alaska Communications. Contractor shall be responsible to remedy any restoration complaints arising within one year after Alaska Communications' final acceptance.

All work sites will be restored to as near their original undisturbed condition as possible, all cleanup will be to the satisfaction of Project Inspector, any permitting agencies, and property owners.

Contractor is responsible to comply with all restrictions and requirements for certain streets or roadways that may have cutting restrictions or special conditions that require traffic to be resumed as soon as possible.

Work site cleanup will include the placement of seed, mulch, sod, water, gravel, soil, sand, and all other materials as warranted.

Backfill material will consist of clean fill. Backfilling, tamping, and compaction will be performed to the satisfaction of the Project Inspector and any permitting agency representative.

Excess material and debris from clearing operations will be properly disposed of by the Contractor as required by the AHJ.

Road shoulders, roadbeds, and railroad property will be dressed up at the end of each day. No payment for installation will be permitted until cleanup has been completed to the satisfaction of the permitting agencies and Alaska Communications.

Improved areas, roadways, walks, paved areas, and other surfaces disturbed during construction shall be resurfaced with same type of material and to the same thickness as the original surface. Roadways shall have a minimum thickness of 3.5" (90 mm) of resurfaced pavement.

All grass surfaces shall be leveled and reseeded, unless otherwise directed (such as the placement of sod). For grassy areas where the installer shall have to bring heavy equipment back onto the construction site, the areas shall be rough graded and covered with protective matting to prevent erosion. For durations longer than 2 weeks between construction and final disturbance, the installer shall rough seed the area to provide cover until final grading and seeding are accomplished.

Site restoration will include the restoration of all concrete, asphalt, or other paving materials to the satisfaction of the permitting agencies and Alaska Communications and shall be compensated under the applicable restoration unit.

A.17 CABLE INSTALLATION

Contractor shall be responsible for on-reel verification of cable quality prior to placement. Contractor shall verify each reel is labeled with the manufacturer's supplied test forms and shall submit the forms to Alaska Communications Project Manager with the closeout package.

Contractor shall supply all tools, test equipment, consumables, and incidentals necessary to perform quality testing.

Contractor shall follow the most stringent installation standards for the cable installed.

Contractor shall guarantee that proper installation techniques were adhered to by examining the installed cable plant prior to any formal testing. Contractor shall also ensure the cable plant is devoid signs of kinking, stretching, or snagging.

A.18 FIBER SPLICING AND TESTING

All fiber runs shall have a fiber launch box containing a minimum of 1,000' of cable for testing purposes.

Contractor is instructed to never cut cable prior to approval by Alaska Communications Inspector.

All fiber splicing will be performed by fusion splicing. No mechanical splicing will be considered or authorized.

All splice cases shall have two wraps of buffer tube and two wraps inside splicing trays unless authorized in advance by the Project Inspector. Assembly of splice case shall follow manufacturer's specifications.

Fiber shall be tested per Alaska Communications specifications.

All testing equipment shall have been calibrated and Contractor shall provide a current certificate of calibration for each machine with the close-out package.

An Alaska Communications approved OTDR, such as EXFO/Fluke, or an Alaska Communications approved equivalent shall be used for all testing. The output format of the equipment shall be in a form suitable to the Project Inspector and a copy of the viewer software shall be provided.

Each circuit shall be tested bi-directionally from endpoint to endpoint. Each circuit's traces shall include splice loss from each direction and the optical length between splices. Contractor shall record and map each circuit and submit all information to the Alaska Communications Project Manager. Contractor is advised that additional information may be required.

Final tests will be carried out bi-directionally utilizing an OTDR at 1310, 1550 nm, or another wavelength as determined by the Project Inspector. Acceptance testing will only be conducted after all the splice closures have been sealed and the cable has been racked.

Unless previously advised by the Alaska Communications Inspector, OTDR traces will be saved in a standard file naming convention, i.e., XX1YY15T.ZZZ, defined as follows:

A. XX is an abbreviation for the testing site
B. 1 is the first cable
C. YY is an abbreviation for the next site
D. ZZZ is the fiber count

For each fiber, the Contractor shall produce test results in electronic format including:

A. General Information/Job information (i.e., contractor, test date, file name, work order number, comments, cable ID #, fiber ID #, single mode)
B. Test Parameters (i.e., wavelength, range, pulse, duration, resolution)
C. Test settings (i.e., IOR, backscatter, splice loss threshold, reflectance threshold, end of fiber threshold, acquisition time, pulse width)
D. Results (i.e., span length, span loss, average loss)
E. Graphic (OTDR Trace)
F. Event Table and Marker Information
G. End-to-end optical length measurement
H. Attenuation per kilometer
I. Final end-to-end bi-directional measurements test results shall be presented as an Excel formatted cover page indicating pass/fail results, bi-directional measurements (loss or gain) for each fiber;

this shall also include total loss or gain for each fiber for 1310, 1550, or other Alaska Communications specified wavelength. This includes bare end testing of unterminated fibers.

The target average bi-directional splice loss on a span is 0.10 dB for dispersion un-shifted fiber (standard single mode) and 0.10 dB for non-zero dispersion-shifted fiber.

A. Where the target is not achieved, the maximum average value for three consecutive splices shall be 0.07 and 0.09 dB respectively with no single splice exceeding 0.15 dB for either type of fiber.
B. When the average bi-directional splice loss on a span exceeds these numbers, the splice shall be broken and re-spliced (up to three attempts to achieve the desired loss) and the fiber shall be retested with the OTDR.
C. If the overall targets are not achieved by correcting individual high-loss splices, the Contractor shall review the equipment and procedures used with the Alaska Communications Inspector. Alaska Communications Inspector may require the entire span to be re-spliced.

When fiber test results reveal a fault within a closure and corrective splicing is deemed necessary by the Alaska Communications Inspector, the Contractor shall fix the fault and retest all hairs within the closure for acceptance. These locations shall be identified in the Foreman's Field Notes

Factory connectorized fiber terminations shall be factory made and polished to achieve a maximum 0.50 dB connector loss.
Contractor shall seal cable ends upon completion of testing.

Contractor shall provide fiber test results in electronic format within 24 hours of testing. The numbers shall be provided in absolute values, i.e., adjusted to consider the reference level. Alaska Communications reserves 10 days to accept or reject the results. Contractor may be subject to a fee of $300 per day for late submittal of Fiber Test Results

Fiber to fiber fusion splicing of optical fibers at each point including head ends is required.

Complete testing services, such as end to end, reel testing, and splice loss testing, ORL, power meter/laser source testing and WDM testing is required.

A.19 FIBER BLOWING AND PULLING

Contractor shall schedule proofing of ducts with the Project Inspector. Contractor's proofing must be observed by the Project Inspector. Contractor shall proof all duct by passing an Alaska Communications approved and Contractor provided mandrel for locating crushed and damaged sections. Proofing is acceptable upon successful passing of the mandrel. Date and notes on proofing shall be included in both sets of Red-Lined Drawings.

Fiber shall be installed by means of blowing/jetting or pulling with special attention given to the fiber cable manufacturer's recommendations and standards for cable handling and installation.

Contractor shall utilize an Alaska Communications approved fiber blower or equivalent. The Contractor is responsible to provide blowing equipment and air compressors of sufficient size and quantity to install cable between designed hand hole distances.

Contractor shall utilize a powered winch and hydraulic-powered assist pulling wheels. The maximum pulling tension for fiber cable pulled in conduit shall not exceed 600 lbs. or amount specified by the fiber cable manufacturer, whichever is less.

Contractor must obtain approval from the Project Inspector prior to commencement of hydraulic pulling. When hydraulic pulling is approved by Alaska Communications, Contractor shall use a dynamometer or tension limiter to determine pulling tension.

A breakaway swivel rated for 600 lbs. will be used during all cable pulling operations.

Fiber cable shall not be subjected to a bending radius of less than 20 times the outside diameter of the cable.

Contractor shall always utilize cable and inner duct lubrication during cable installation.

Once fiber cable is in place, Contractor shall:

A. Seal inner duct ends with jack moon plugs or other Alaska Communications approved sealing plug or temporary duct seal.
B. Mark the central office cable with blue tape.

Colored tie wraps or colored tape will be used at each handhole, vault, etc. to mark the direction of the fiber cable both ends of the fiber shall be marked (in and out). Color scheme will be provided to winning contractor.

Fiber tags shall be used at all hand hole, vault, C.O., etc. locations and fiber shall be marked on both ends (in and out). Fiber tags shall be filled out with appropriate cable information.

A.20 INNERDUCT SPLICING

All inner duct splices shall be airtight mechanical screw on with heat shrink sleeve or fusion spliced utilizing an Electro Fusion Processor or Alaska Communications approved equivalent. Contractor shall ensure that all splices are verified as “accepted” by the Electro Fusion Processor and record the duct footage marks at the point of splice. Contractor shall ensure continuity of any/all locating conductors with the conduit are verified and tested.

Contractor shall mark the as-built and Foreman’s Field Notes with location and either mechanical or fusion splice.

Electrode ports shall be cut flush with the splice case and properly cooled prior to continuing installation operations.

All inner duct splices shall be adequately staggered. Contractor shall provide pictures.

Contractor shall ensure that all inner duct splice installations shall be cleaned of dirt and debris.

If for any reason the inner duct is left exposed overnight on the right-of-way, the Contractor shall be responsible for the security of the inner duct, the safety of the public, and in accordance with the requirements of the AHJ. Contractor shall employ whatever means necessary to protect the public from injury and the exposed portion of inner duct from damage.

A.21 FIBER WARNING MARKERS

Fiber warning markers shall be placed within 48 hours of cable installation. Subject to right-of-way ("ROW") or property owner requirements, markers shall be placed at all change in directions including significant diversions from obstacles or laterals for buildings, splices, fence line crossings, where other utilities cross the conduit, at both sides of RR, road, and stream crossings, culverts, and other points on the route. Markers shall be placed no farther than 500' apart in urban areas and 1,000' apart in non-urban areas. In addition, on highway ROW, the markers shall be located at the highway ROW line. Markers shall always be located so that they can be seen from the location of the cable and previous marker.

Fiber warning markers will include a warning decal sign warning will be placed to indicate the presence of the network. The marker consists of an orange HDPE post 66" long. The marker of the presence of fiber cable. Contact information (phone number) will be provided on the marker and this number will be utilized as a call before you dig number.

A.22 ALL DUCT INSTALLATION

As a clearance test, Contractor shall pass a rigid mandrel with a length not less than 12", and a diameter ¼-inch less than the inside diameter of the bore, leaving in place a 500 lb. mule tape.

A.23 DIRECTIONAL BORING SERVICES

Contractor shall utilize equipment being a "Fluid Assisted" bore machine with sub grade remote tracking equipment enabling depth monitoring, multi directional alignment of either a pilot head or rotating cutting head, support equipment for drilling fluid, small excavator, and pump truck for cleanup of drilling fluid.

Potholing must be conducted whenever the possibility of conflict is suspected. Bores may be launched from surface conditions, and equipment must be capable of providing up to a 14" bore diameter option (back reamed diameter in favorable conditions). Contractor supplied equipment shall be compact enough to handle limited access and tight working conditions encountered in subdivision improvements and road crossings. Equipment (and drill steel) must be capable of achieving 1,600 + ft. distances at one time, in favorable conditions.

Boring equipment provided by the Contractor shall be readily available, mechanically sound and in good working order, and adequate for job requirements. Bore equipment must exhibit Thrust/Pullback minimum capability of 22,500 lb. or higher; minimum Torque ratings of 1,900 ft. lb. or higher. Equipment must be available for inspection prior to award of the Contract.

A.24 BORE INSPECTION

At no time shall the depth of the bore be less than as defined on the applicable permits and no more than 2 vertical feet deeper than the staked depth requirement or shall the bore stray outside of the defined ROW or Easement.

The bore shall be tested and cleaned. All foreign material, earth, sands, and gravel shall be removed from the bore. At the same time, the Contractor shall measure the wall-to-wall distance with a commercial tape or pre-measured jet line and record that distance. Any bore that will not be immediately used by Alaska Communications crews shall be capped with jack moon plugs.

Contractor shall supply and utilize a Central Electro fusion Processor (or Project Inspector approved equivalent) for all splices involving polyethylene ducting. Contractor shall splice ducting to the manufacturer's recommendations and when directed by the Project Inspector. Splicing of ducting is incidental to the work and incorporated within the proposal. As an alternative the Contractor may provide thermal welding of 4" HDPE pipe with proper equipment as determined by the Project Inspector. Alaska Communications utilizes 40' length 4" SDR11 HDPE.

Contractor shall secure all rights and permits for water usage as required for the Contractor's operation. Water sources used by the Contractor shall be reviewed and approved by the Project Inspector and shall be in accordance with the governing water control agency. All costs associated with water use shall be paid by the Contractor and incorporated within the proposal. When boring requires the use of drilling mud, such as bentonite, no discharge of excess material or site runoff will be allowed, a capture pit at the point of entry is required this will include a vacuum truck to suck the mud out of the capture pit. All drill mud shall be removed and disposed of by the Contractor. The Contractor will maintain continuous visual inspection of bore alignment at all times when the bore operations is proceeding, watching route alignment, depth, and seepage of drill mud to the top of the ground. Should the drill mud frack out of the ground, or the Contractor lose containment of the mud pit the Contractor shall treat the site as a spill and immediately notify the Alaska Communications Inspector and remove, dispose and clean the site of the material to Alaska Communications satisfaction. A log shall be kept of all incidences listed above with date, personnel and description of what happened and turned in with final close-out package for the project. These shall also be recorded on Foreman's Field Notes

Contractor shall install EMS ("Electronic Marking System"). Contractor is responsible for tracking each bore on an approved bore log. The Contractor shall submit, as part of its close out package along with its invoice, a bore profile detailing the bore alignment. Bore profiles shall including depth in 10-foot increments, tie downs in depth and alignment to existing conflicting utilities and known landmarks i.e., street signs, luminary poles, storm drains, sewer, and key boxes. Contractor provided bore logs shall be considered a part of all close-out packages and turned in with the invoice and contain the following information:

- Date
- Crew number and names of crew members
- Work Order Number
- Total Length
- Track and record each including rod number, depth, and percent (%) increase or decrease.
- Map overview that reflects running line

Bored installations that have been abandoned or have created voids under the roadway shall be filled by pressure grouting or by other support methods approved by the Project Inspector. Contractor shall incur the cost for failed bore attempts, and those bores that failed the above specifications.

In a multi configured pullback the Contractor shall only be compensated for those conduits that are completed as to the above-mentioned criteria for a successful bore.

A.25 PLOWING AND PRERIP INNERDUCT INSTALLATION

The equipment and construction methods used by Contractor shall be such as to cause minimum displacement of the soil. The slot made in the soil by the conduit plow shall be closed immediately by driving a track or wheel over the slot or by other suitable means approved in writing by the Alaska Communications Inspector. This will be followed up by the final clean up. Damage to banks, ditches and roads caused by the equipment shall be immediately repaired to the satisfaction of the Alaska Communications Inspector and the right of way owner/manager. At no time shall the Contractor leave the inner duct exposed above ground without barrier fence protection.

A.26 CONDUIT FEED CHUTE

Conduit feed chutes shall be as manufactured by American Tractor Equipment Corporation or an acceptable equal.

The conduit path inside of the feed chute shall be free of burrs, sharp edges, or surface roughness. Welds shall be smooth. Gussets or stiffeners on the divider gate in multiple chute designs shall not interfere with the smooth passage of the duct. Clearances in the multiple chute configurations shall be maintained under operating conditions. Divider gates shall not shift or deflect under load. The feed chute shall have a removable gate to allow the conduit to be removed from or inserted into the feed chute at any intermediate point between splice locations.

A.27 PVC INSTALLATION

The Contractor shall place PVC conduit as to the requirements of Exhibit B of the MGCA and as depicted on the drawings. The Contractor shall install new telephone duct structure in conformance to duct manufacture's requirements and RUS 515 specifications for line construction. Contractor shall ensure that labor is equipped with all proper equipment for conduit and cable installation, i.e., appropriate duct rodders, brushes, air support equipment, muletape, manhole pumps and ventilators, etc., required for the work. The inspector may at any time halt the Contractor's work for improper use of and/or providing inadequate equipment for the job. All ducting shall terminate in handholes/manholes and/or pedestals as directed by the Alaska Communications Inspector and as described within Exhibit B of the MGCA. Once the Contractor has ducting installed from any access point to access point or as directed by the inspector, the Contractor as a clearance test shall immediately pull a mandrill being 1/4" less in diameter than the inside diameter of the conduit. The Contractor shall leave in place a Contractor provided muletape in all vacant PVC as defined under the MGCA. All clearance testing of conduit shall be incorporated in the proposal no other payment shall be considered or authorized. All ducting for road crossings shall terminate in a hand hole.

The Contractor shall be responsible for all anchoring of all installed conduit, ensuring flotation of new installed duct systems does not occur. Where trench alignment encounters standing water, the Contractor shall dewater and utilize sandbags to weight down duct banks as to the direction of the Alaska Communications inspector. The cost for anchoring and dewatering installed ducting shall be considered incidental and incorporated within the unit price.

A.28 EXCAVATION

The Contractor shall perform all excavations of every description in whatever substance encountered per the MGCA, industry standard, and ultimately the AHJ. Excavations will be to the extent indicated in the specific project designs and plans. All excavated material for backfill shall be placed in an orderly manner and at a distance from the excavation which conforms to all local, state, federal safety codes, and/or other AHJ.

The Contractor shall install buried marking tape 18" above the buried facility. The Contractor shall install the tape in the center of trench face up and hold tape in place with earth as needed to prevent displacement during backfill. Installation of marking tape shall be included in the cost of trenching. The soil compaction of all phases of the project shall be randomly tested at various depths, at the direction of the Alaska Communications Inspector.

A.29 COPPER TESTING

Contractor, once the cable is prepared for heat up, shall test all cable conductors in accordance RUS Bulletin 1753F-201, "RUS Standard for Acceptance Tests and Measurements of Telecommunications Plant", PC-4, latest revision. This will include Ground Resistance, Shield Continuity, Conductor Continuity, DC Insulation Resistance, DC Loop Resistance, Insertion Loss, Voiceband Data Transmission Measurements, and Shield or Armor Ground Resistance Measurements.

Contractor shall have all equipment necessary for the following testing and shall test and verify all splicing and cable both new installations and existing cable, and ensure all splicing is accurate and in good order. Contractor shall test for pair continuity and resistance at the feed point of heat up, and test for continuity at the end of each branch cable. Contractor shall also provide count verification of all pair for 100% testing within a 25 pair group. All testing will be completed with an Alaska Communications approved device. If the Contractor does not get a passing test for testing existing cable the Contractor shall note the assigned pair within the Contractor's red line and turn in a trouble ticket for that pair at the end of the day to the Alaska Communications cut coordinator and move on. The Contractor shall determine if faults are within new cable installed by the Contractor and correct those issues. Trouble tickets for existing cable shall be turned in **daily**.

Testing shall be paid for under the line item provided within the proposal. Contractor shall request in writing for Alaska Communications acceptance only after the work is in place all cuts are completed and terminal and cross connect labeling are completed, all repairs corrected to the Contractor's work and all documentation has been reviewed and submitted to Alaska Communications. Contractor shall provide a written report of the tests Contractor performed to verify the work and shall include the test type, location, and date testing and a copy of the test results. Contractor shall rectify all Contractor caused splicing discrepancies identified by Alaska Communications within five calendar days from the date of the receipt of notice to repair. Re-testing of any previous cables tested by Contractor shall be at Contractor's expense.

Contractor shall be responsible for coordinating all work efforts so as not to delay the work in order to accommodate the required testing. Failure of Contractor to allow adequate and reasonable time for acceptance testing shall not be the basis for any claim for additional compensation or a time extension for the work.

When cable pair failure for Contractor installed new cable is indicated by the test results, Contractor shall locate and identify the damaged and/or defective area. Contractor shall affect repair to any Contractor caused damage to cold cable or faulty splicing. Should the defect prove not to be the fault of Contractor, the Alaska Communications

Inspector may elect to have Contractor make repairs under the units provided within the proposal. Those repairs where Contractor is at fault shall be repaired at Contractor's expense.

A.30 COPPER SPLICING

All cold splicing shall be performed by the Contractor. Cold work shall be defined as all new cable, intermediate splices and case and cable preparation at the heat up points. In addition, the scope of the projects will require installation of new feed and distribution cables from new and existing cross connects. Transfers and cuts shall be considered hot work and paid for by the appropriate unit rate or hourly as determined by Alaska Communications. The Contractor shall provide Contractor personnel for hot work to work under the direction of the Alaska Communications splicing foreman for all heat ups unless otherwise directed.

APPENDIX B
SCOPE OF WORK

B.1 SOPHIE PLAZA

B.1.1 PROJECT INFORMATION

Project Number: 023-1027
Project Title: FBNK MDU 1721 UNIVERSITY AVE SOPHIE PLAZA
Company Warehouse: ACS Cable Syst. Fairbanks Project (0850)
Location: 8701 - FAIRBANKS
Responsible Person: OLEWNICZAK, IWO

B.1.2 PROJECT OBJECTIVES

Contractor shall provide OSP construction for fiber service to Sophie Plaza MDU customers' demarcs located at 1721, 1725, 1729, 1733 and 1737 University Ave South in Fairbanks, Alaska. Successful delivery of the service to the listed locations will depend on Contractor's completion of the work as depicted in the drawings and summarized as:

A. Splicing in multiple sections; total of seven splice cases entered /reorganized including total of 30 HO1 units.
B. Contractor will be responsible for placing and splicing 1:32 Direct connect Splitters (15)
C. New risers' placement on already existing poles
D. 383 ft of drill shot
E. Placement of two vaults with total of 10 hours of Vac Truck units included.
F. Asphalt cut and restoration 42 x 60 ft.
G. Potential for grass restoration 42 x 60 ft.
H. A total of 3,691 ft of new fiber placement from the new vault location to the 1721, 1725, 1729, 1733 and 1737 demarc locations.
I. Total of 453 ft of innerduct placement.
J. Total of two hours of Line Crew with Equipment.
K. Contractor will be also responsible for placement of CLFD 96 Wall Box (5)/Slimbox 64 Indoor (10).

B.2 JILLIAN SQUARE

B.2.1 PROJECT INFORMATION

Project Number: 023-1026
Project Title: FBNK MDU 3000 Davis Rd Jillian Square
Company Warehouse: ACS Cable Syst. Fairbanks Project (0850)
Location: 8701 - FAIRBANKS
Responsible Person: OLEWNICZAK, IWO

B.2.2 PROJECT OBJECTIVES

Contractor shall provide OSP construction for fiber service to Jillian Square MDU customers' demarcs located at:

- 2990 Davis Rd bldg. E
- 3020 Davis Rd bldg. D
- 3010 Davis Rd bldg. B
- 3040 Davis Rd bldg. A
- 3030 Davis Rd bldg. A

Successful delivery of the service to the listed locations will depend on Contractor's completion of the work as depicted in the drawings and summarized as:

A. Contractor will be responsible for splicing in multiple sections; a total of 6 splice cases, entering and reorganizing with total of 93 HO1 units included and 23 HO4 units included.
B. Splicing will also include 8 units of 1:2 Direct connect splitter and 15 units of 1:32 direct connect splitters.
C. 570 ft of drill shot, and all restoration associated with it.
D. Placement of one pedestal.
E. Placement of one vault.
F. Total of 3,310 ft of new fiber placement from new vault location to demarc locations of addresses listed above, with potential thawing units included and 20 hours of labor for 2 line workers.
G. Total of 2,440 ft of microduct placement within existing duct.
H. One core drill.
I. Ten feet of BM60(4) with restoration included.
J. The contractor will be responsible for installing CLFD 96 Wall box/Slimbox 64 Indoor.

B.3 ADDITIONAL PROJECT SPECIFIC OPERATIONS FOR SOPHIE PLAZA AND JILLIAN SQUARE

A. Contractor is responsible for the traffic control crew.
B. Contractor is responsible for surveying.
C. Alaska Communications is responsible for hiring third party contractor to complete all necessary pole calculations and submitting them to GVEA for approval.
D. Alaska Communications is responsible to fill out and submit all necessary permit applications and the permits will be part of the construction packet released to contractor.
E. An Alaska Communications appointed Project Inspector will be on site as required/needed.
F. The Project Inspector is the Single Point of Contact for any design or schedule changes, additions/deletions of Scope, and acceptance of installed Units.
G. The Project Inspector shall send the Contractor a NTP with prints, permits, pole calcs, and Major Material List.
H. A site walk with the Contractor's Foreman and Project Engineer prior to construction. Intent is to work out any issues that were unforeseen during design, note any additional materials required, create, and submit any required Change Orders.
I. Contractor shall be responsible for contacting Alaska Communications Warehouse to schedule material pickup and/or material return.
J. The as-builts will be created from the Inspector's Red-lines and turned over to Alaska Communications.

APPENDIX C
MASTER GENERAL CONSTRUCTION AGREEMENT

Alaska Communications' Master General Construction Agreement (MGCA) is provided as a separate PDF file. The MGCA terms and conditions are hereby incorporated in and by reference made a part of RFP 24-02. All terms of the MGCA shall remain in force and effect for the term of any work pursuant to an award.

APPENDIX D
PROJECT DRAWINGS

Alaska Communications' Project Drawings are provided as separate pdf files. The Project Drawings are hereby incorporated in and by reference made a part of RFP 24-02. The Project Drawings included in this RFP are titled:

- 023-1026 3000 Davis RD Jillian Square MDU 3_18_24
- 023-1027 Sophie Plaza MDU 3_20_24

APPENDIX E
PRICE SCHEDULE

Alaska Communications' Price Schedule is provided as a separate Excel file. The Price Schedule is hereby incorporated in and by reference made a part of RFP 24-02.