EXHIBIT A-2

Scope of Work (SOW) — Construction and Installation Requirements (Rev 11/9/2026)

IFB #2026-001 | vpnet | USDA ReConnect Program Round 4 PR 1701-A73

1. Purpose and Scope

This Scope of Work (SOW) establishes the minimum technical and operational requirements for the construction and installation of an underground fiber optic infrastructure system along the approved corridor from the municipality of Patillas to the municipality of Cidra, Puerto Rico.

The Project consists of approximately twenty-seven (27) route miles of underground fiber optic infrastructure, including conduit installation, fiber optic cable placement, hand hole construction, hand-hole pole transition structures, testing, restoration, and all associated work necessary for a complete and operational telecommunications system.

All work shall be performed in strict conformance with the engineering plans provided as Exhibit A-1, the ReConnect Program Construction Procedures, Version 2.0 (February 2020), and all applicable federal, Commonwealth, and municipal regulations.

2. General Construction Requirements

The Selected Respondent shall perform all outside plant construction as defined under the USDA ReConnect Program Construction Procedures. The work encompasses three phases:

• Phase 1: Pre-Construction and Mobilization

• Phase 2: Outside Plant Construction

• Phase 3: Testing, Acceptance, and Closeout

All construction activities shall comply with applicable TIA/EIA and IEEE standards for fiber optic installation, and with all local and federal environmental, safety, and permitting requirements prior to commencement of any work segment.

3. Underground Construction Requirements

The Contractor shall strictly refer to the plan sheets identified in https://ciapr-my.sharepoint.com/:f:/g/personal/74857_ciapr_onmicrosoft_com/IgAjN17xPvxkRaiQLx-HkXibAVzoK-It0JAD99Q1R4e6R_w?e=npjzTz

where the applicable rights-of-way and easements for the different project roadways and segments are shown also could be found in our website https://www.vpnet.net/requests

Prior to commencing any field activity, the Contractor shall review and verify the applicable roadway section for each project segment. The Contractor shall not assume a uniform right-of-way width throughout the project and shall verify all dimensions, easements, and field conditions prior to construction activities.

Any discrepancy, conflict, unforeseen condition, or uncertainty related to the limits of the right-of-way, easement, roadway section, or utility conflict shall be documented and reported to vpnet prior to proceeding with work in the affected area.

3.1 Excavation

• All excavation shall be performed using controlled methods, including open-cut trenching and Horizontal Directional Drilling (HDD) as designated in the engineering plans.

• The Project includes approximately twenty-seven (27) route miles of underground construction.

• Minimum burial depth shall be three (3) feet in rural and low-traffic areas unless otherwise required by permit conditions.

• Depth requirements for road crossings and urban areas shall comply with DTOP permits and municipal requirements.

• All excavation activities shall comply with approved traffic control plans and utility locate requirements prior to breaking ground in any segment.

3.2 HDPE Conduit Installation

• High-density polyethylene (HDPE) conduit systems shall be installed along the entire approved underground route.

• Conduit sizes shall consist of 1.5-inch mainline conduit unless otherwise identified in the engineering plans.

• All bends, couplings, end caps, and associated hardware shall be installed in accordance with manufacturer specifications.

• Conduit systems shall be pressure-tested and mandrel-tested prior to cable installation.

3.3 Hand Holes

• A total of two hundred nineteen (219) underground hand holes shall be installed at locations designated in the engineering plans.

• All hand holes shall be properly leveled, secured, covered, and marked in accordance with applicable standards and permit requirements.

• Hand hole frames and covers shall meet applicable load-bearing requirements for the environment in which they are installed.

3.4 Hand-Hole Pole Transition Structures

• A total of fifty-six (56) pole transition structures shall be installed at locations identified in the engineering plans.

• Transition structures shall provide connection points between underground facilities and future aerial distribution facilities where required.

• All transition installations shall include the necessary hardware, fittings, grounding provisions, and protective measures required for safe and reliable operation.

3.5 Splicing Chambers and Junction Boxes

• Splicing chambers and junction boxes shall be installed at designated locations

• All enclosures shall provide structural integrity, weatherproofing, and accessibility for future maintenance operations.

• Grounding provisions shall be incorporated where required by applicable electrical codes and engineering specifications.

3.6 Fiber Optic Cable Installation

• All fiber optic cable shall be pulled and installed in strict accordance with the engineering plans and manufacturer specifications, without exceeding maximum allowable tensile load or minimum bend radius.

• Qualified fusion splice technicians shall perform fiber optic splicing.

• All splices shall be protected using approved splice enclosures and organized within splice trays inside designated splice chambers.

• Fiber optic installation shall include all testing, labeling, and documentation required for final acceptance.

5. Backfill, Compaction, and Surface Restoration

• All excavated areas shall be backfilled and compacted in accordance with permit conditions and applicable DTOP and municipal standards.

• Road surfaces, sidewalks, shoulders, easements, and disturbed areas shall be restored to their pre-construction condition or better.

• Compaction testing shall be performed and documented where required by permit conditions.

6. Route Marking and Identification

• All underground conduit routes shall be marked with tracer wire and permanent route markers.

• Warning tape shall be installed above all underground conduit systems.

• All hand holes, splice chambers, transition structures, and access points shall be identified with permanent labels indicating route designation and facility ownership.

7. Quality Control and Acceptance Testing

• The Selected Respondent shall implement a Construction Quality Control Plan approved by vpnet prior to commencement of construction activities.

• All installed fiber optic cable shall be tested using OTDR equipment and optical loss test sets.

• Test results shall be documented and submitted to vpnet for review.

• Final acceptance shall be conditioned upon successful completion of all required tests and vpnet's written confirmation of acceptance.

8. Coordination Requirements

The Selected Respondent shall coordinate all construction activities with the following agencies and entities as required:

Agency / Entity	Coordination Purpose
DTOP (Puerto Rico Dept. of Transportation)	Road crossing permits, traffic control
Applicable Municipalities	Excavation permits, right-of-way access
LUMA Energy	Utility crossings and infrastructure coordination
AAA (Puerto Rico Aqueduct and Sewer Authority)	Water and sewer crossings
RUS General Field Representative (GFR)	Compliance oversight and inspections

All coordination activities shall be documented in writing and made available to vpnet upon request.

9. Construction Schedule

The anticipated project schedule shall be as follows:

• Notice to Proceed: January 11, 2027

• Construction Start Date: January 11, 2027

• Final Completion Date: May 11, 2028

The Contractor shall provide and maintain a detailed construction schedule throughout the duration of the Project.

10. Closeout Requirements

Upon completion of all construction and testing, the Selected Respondent shall provide:

• Final as-built drawings in AutoCAD DWG native format and PDF format

• Complete OTDR and acceptance test documentation

• All required RUS closeout forms (RUS Form 724, 724a, 724b, 213)

• Final BABA Compliance Certification and documentation package

- Executed releases of liens from all subcontractors and material suppliers
- One (1) year warranty on all workmanship and materials commencing on the date of final acceptance by vpnet and RUS