**Iowa Communications Network**

**OSP Log #23230501, Link 903 (4F)**

**Clinton Co, Clinton, IA**

**Along Manufacturing Dr just north of Valley West Dr to S 17th St.**

**Overview of the Project:**

The ICN requires relocation of existing 4 fiber cable along Manufacturing Dr just north of Valley West Dr to S 17th St in Clinton, IA. Relocation will consist of placement of approximately 6100-ft of minimum of 1.25-in HDPE. Contractor will place a total of eight (8) handholes with lids set at grade. A new 48-strand OSP armored fiber optic cable shall be placed through the new/existing conduit and coiled evenly in each handhole.

Please see the maps and pictures in the attached ENGINEERING PLAN. All work to be completed per the attached STANDARD INSTALLATION REQUIREMENTS and TYPICALS except where noted within this STATEMENT OF WORK (SOW). Upon notification of completion, the ICN will perform a review using the attached PUNCHLIST. Any corrections will need to be made prior to ICN issuing payment for work completed.

**The bidder is expected to assess the terrain prior to submitting bids.  The ICN anticipates rock will be encountered during the construction at two creek crossings.  The extent to which rock is encountered is not known nor defined.  Therefore, the contractor is expected to submit a bid which anticipates encountering rock, the extent of which should be reasonably ascertained by the contractor, and agrees to the following definition of rock:**

***Rock Bore Definition:   Defined by ICN where an All-Terrain Horizontal Directional Drilling machine with dual drill pipe, bits, housings, and backreamers—designed specifically for rock applications are required to complete the boring operation.  Experienced operators capable of utilizing this equipment are also required.  The ICN expects that the bidder owns and is able to operate the described equipment.***

**SPLICING EXCLUDED FROM THIS CONSTRUCTION BID**

**SPLICING SHALL BE COORDINATED WITH NOC OSP**

**Preparatory** **Tasks & Responsibilities:**

1. Secure all necessary locates from “Iowa One Call.”
2. Construction signing shall comply with the Manual on Uniform Traffic Control Devices.
3. The contractor must notify the local IDOT maintenance garage/County/City (per permit) of intent to proceed at least 48 hours prior to commencement of work.
4. ANSI/ISEA 107-2004 CLASS 2 SAFETY VESTS **are required at all times** within Iowa Department of Transportation right-of-way
5. **Exceptions/Additions to Standard Installation Requirements: none**

**Duct Installation**

1. Provide 1.25-inch HDPE, SDR 13.5 duct from Station 1941+25 to Station 2000+55
2. It shall be the sole responsibility of the contractor to ensure that the fiber installation is in the public Right-of-Way
3. See engineering plans for locations and distances off existing public ROW when provided.
4. Ensure that a pull rope (Mule Tape) is left in all duct.

**Handholes**:

See Engineering plans for exact locations of a total of 8 handholes

**Fiber Installation**

1. Install a 360-foot± Contractor-provided, armored single mode OSP fiber cable from Station 00+00 to Station 03+60
2. Route cable through conduit and into handholes
3. Coil excess cable evenly in each handhole, ensure a minimum of 100 feet of cable in both handhole

**Locate Facilities**

1. south end is an existing located facility
2. All other handholes will have ICN warning markers placed at them.

**Items under the “Splicer Responsibilities” are excluded from the Construction Bid. Splicing will be handled separately. Contractor is responsible for the installation all other items required in this Scope of Work.**

**Splicer Responsibilities: (Splicing excluded from Construction Bid)**

1. **Field Splicing After Hours** During Maintenance Window (00:01 – 06:00)
	1. At Sta. 1941+25: Splice existing southbound fibers 1-4 to fibers 1-4 of the new cable
	2. At Sta. 2000+55: Splice existing northbound fibers 1-4 to fibers 1-4 of the new cable
	3. Loss for each splice shall be .03 dB or less.
	4. Contractor SHALL label all fibers terminated pursuant to this Scope of Work.
2. Bond all armored cables per the “**Locate Facility Requirements” (see above and standard drawings).** Follow ICN standards and manufacturers’ standard to ensure all bonds are connected to ground bar or locate pedestal for locating. 3M Scotchlock Shield bonding kits shall be used for connecting to the armored cable. Locate wires routed out of the splice case shall be sealed. For Tyco closures use the FOSC Closure Sealing Kit.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. **Provide Pictures of the completed splicing in cases or panels showing preparation, splice trays and final installation.**

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**ICN Provided Materials per MATERIALS sheet in 33210307 – Engineering Plans.pdf**

ICN shall deliver to project site or contractor to pick up all ICN-provided materials necessary to complete contractor responsibilities.



**Contractor shall supply** all other materials required for proper installation, including but not limited to: HDPE, Grounding and Tracer Wires, Rock, Wire Mesh, etc.

**ICN Responsibilities:**

1. Project Management
2. ICN provided materials; see above.
3. City of Clinton permit

**ICN Point of Contact for this Project:**

**Engineering/Design:**

Chris Harris

515-725-8925 office

515-380-3689 cell

**Materials:**

Paul Damge

515-725-4749 office

515-491-1429 cell

**Splice Coordination: (typically a minimum of 2 weeks notification is required)**

NOC OSP (FNS)

515-725-7423

**Work Start Date:** Work may begin upon award of the bid and completion of the contract. Only written modifications to this Scope of Work are binding - Verbal changes to this scope of work by any person or persons are not binding, unless confirmed in writing.

**Completion Date: Not later than June 14th, 2024** (extension may be negotiated based upon weather and/or unforeseen construction problems in the ROW)

**Quotes Due Date:**

Quotes must be received by Sheri Stephens, ICN Contracting, **NLT 2PM on December 15th, 2023.**

**Quotes:** Contractors must submit a quote for Construction Bid as outlined in the SOW and per the Engineering drawings. ICN requires a breakdown of lump sum bids into labor and materials.

Items under the “Splicer Responsibilities” are excluded from the Construction Bid. Splicing will be handled separately. Contractor is responsible for the installation all other items required in this Scope of Work.

**Completion of Work:**

1. Upon notification of construction completion, ICN will have 2 weeks to complete the Punch List.
2. Upon initial completion of Punch List, the Contractor will have 2 weeks to correct any issues identified on the Punch List.
3. Upon notification of corrections, the ICN will have 1 week to verify corrections were completed to the ICN’s satisfaction.
4. No payment will be made until all work is completed per the contract unless agreed upon by both parties.

**Attachments:**

23230501 - Scope of Work (SOW), this document

23230501 - Engineering Plans (Construction Drawings)

23230501 - Punch List

23230501 – Typicals

23230501 – Soil Sheets

23230501 – Creek rock sheets