

Iowa Communications Network Statement of Work

**OSP Log #69220301, ICN Link 1411(4F) & Link 1450 (4F),
Montgomery Co – Highway improvement project along Highway 34 from Hwy 48/34 interchange to west
of Eastern Ave in Red Oak.**

ICN and Aureon cables are both in conflict and will be combined together for this relocation project. Please submit two separate bid amounts for ICN portion and the Aureon portion. Awarded contractor will invoice ICN and Aureon separately at the completion of the project. See attached excel file (ICN & Aureon split costs) that will help split the construction/materials costs.

Project Overview:

The existing ICN and Aureon cables are both in conflict for roughly 1 mile of a highway improvement project along north ROW of Highway 34 from just east of Highway 48/34 interchange to just west of Eastern Ave in Red Oak, IA. ICN and Aureon HDPE's will be incorporated together in this cable relocation plan but will be completely separated within their own facilities (handholes & HDPE). ICN and Aureon will jointly place conduits along side each other for approximately 5200-ft and set four handholes per utility (8-total) alongside each other for the span. ICN will have an additional 260-ft of HDPE and one additional handhole due to two drop cables entering Southwestern Community College at N. 4th Street. Aureon will only require placing new HDPE and setting handholes. Aureon will expose their own splice tails and pull in their own cable. Aureon will also provide their own handholes.

ICN:

Relocation will consist of placement of approximately 5460-FT of min. 1.25-in HDPE for ICN. Contractor will place a total of five (5) ICN handholes with lids set at grade. Contractor to expose existing ICN live cable at three locations for the splice tails totaling in 200-ft. A new contractor provided 48-strand OSP armored fiber optic cable shall be placed through the new ICN conduit and coiled evenly in each handhole. The ICN has a west bound cable and east bound cable entering SWCC which will require two separate cable pulls (not one continuous cable from end to end).

Aureon:

Relocation will consist of placement of approximately 5200-FT of min. 1.25-in HDPE for Aureon. Contractor will place a total of four (4) Aureon provided handholes with lids set at grade. Contractor to install pull rope from end to end. Aureon will provide their own handholes and contractor will be responsible for pick up in Des Moines.

SPLICING EXCLUDED FROM THIS CONSTRUCTION BID / SPLICING SHALL BE COORDINATED WITH NOC OSP

ICN Responsibilities:

1. Project Management
2. Permit: ICN and Aureon will obtain DOT permit and provide prior to commencement of work.
3. **ICN and Contractor Provided Materials per attached table:**

ITEM	ICN PART NUMBER	QTY	NOTES
ICN PROVIDED MATERIALS			
TRIVIEW Test Station w/ Isolever 72" ORANGE (with 3 ICN decals applied) (Walker)	TVT172OB-EM9125	1	
TriView Warning Marker 78" with Orange Cap (with 3 decals - part number SD-9007K)	TVFL7800	4	
CONTRACTOR PROVIDED MATERIALS*			
HDPE Conduit (13.5 SDR) - ICN	Min. 1.25-IN	5460'	
HDPE Conduit (13.5 SDR) - Aureon	Min. 1.25-IN	5200'	
48 strand Armored SM fiber	West Bound ICN Cable	1500'	
48 strand Armored SM fiber	East Bound ICN Cable	5200'	
Erico 1/2" x 6' Ground Rod (Graybar)	611360	1	
Burndy 1/2" Ground Rod Clamp (Anixter)	GRC12	1	
6 AWG Bare Solid Copper Ground Wire (Graybar) - 315' reel		20'	
24" X 36" X 30" TD handhole w/ 20T lid TIER 15 (Martin or New Basis)		5	
Muletape, 1250# rated, 1/2" wide 5000'	Muletape - Aureon HDPE	5200'	

1. **Contractor Provided Materials per attached table:** Contractor shall coordinate with ICN to retrieve materials from ICN warehouse(s) in Des Moines.
2. Secure all necessary locates from "Iowa One Call".
3. Locate all private utilities, as required or necessary.

Duct Installation

1. Provide one 1 1/4 inch diameter HDPE, SDR 13.5 duct as noted on plans (approximately 5460') - ICN
2. Provide one 1 1/4 inch diameter HDPE, SDR 13.5 duct as noted on plans (approximately 5200') - Aureon
3. It shall be the sole responsibility of the contractor to ensure that the fiber installation is in the public Right-of-Way. See engineering plans for locations and distances off existing public ROW when provided.
4. Bore at depths called out on the plans for clearance under waterways, paved roads, future grading, and future culverts.
5. The contractor shall use a clamp-on, crimp-on, or compression type duct coupler for all duct splices. The coupler will be of a type specifically designed for telecommunications duct. The contractor will be required to provide ICN a 24 hr notice for splice inspection and recording the GPS location prior to backfill (unless other arrangements have been made).
6. Ensure that a pull rope (Mule Tape) is left in all duct.

1. **It shall be the sole responsibility of the contractor to ensure that the fiber installation is in the public Right-of-Way**
2. See engineering plans for locations and distances off existing public ROW when provided.
3. Ensure that a pull rope (Mule Tape) is left in all duct.

Handholes:

1. Place contractor provided handholes at the following location per ICN Standard Practice/Typical Drawings:
 - Station: 456+00, ICN set with lid at grade
 - Station: 456+00, Aureon set with lid at grade
 - Station: 465+50, ICN set with lid at grade
 - Station: 472+50, ICN set with lid at grade
 - Station: 472+50, Aureon set with lid at grade
 - Station: 492+00, ICN set with lid at grade
 - Station: 492+00, Aureon set with lid at grade
 - Station: 508+00, ICN set with lid at grade
 - Station: 508+00, Aureon set with lid at grade

Fiber Exposure

1. ICN only. Aureon to expose their own splice tails
2. Expose 50' of existing fiber at West and East end of project and then both the east & west bound cables alongside each other at 4th street, (200' total).
3. Coordinate the exposure of the existing fiber excavation with Splicer.
 - a. Minimize the length of time any excavated trenches are open.
 - b. Utilize proper traffic control and/or safety measures to ensure the safety of vehicular traffic.
4. Ensure sufficient splice tail is exposed to reach the shoulder of the road for splicing in a trailer

Fiber Installation

1. ICN only – Aureon will pull in their own cable
2. This will require two cables for the west bound cable and the east bound cable that end at the four-way splice at 4th St before entering SWCC.
3. Install a 7000-Ft foot contractor provided, armored 48-strand single mode fiber between the proposed hand holes.

Locate Facilities:

1. ICN only -
2. Station: 465+50: Place ICN-provided locate pedestal at back of ICN handhole

Warning Facilities:

1. ICN only -
2. Station: 456+00 Place ICN-provided warning marker at back of ICN handhole
3. Station: 472+50 Place ICN-provided warning marker at back of ICN handhole

4. Station: 492+00 Place ICN-provided warning marker at back of ICN handhole
5. Station: 508+00 Place ICN-provided warning marker at back of ICN handhole

NOTE: At the conclusion of the project, ensure that a pull rope is left in ALL pathways, both inside and outside, new and existing.

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 Point of Contact for this Project:

Engineering/Design:

Chris Harris
515-380-3689 cell

Aureon:

Jeff Klocko
515-830-0445
Jeff.Klocko@aureon.com

Materials:

Paul Damage
515-725-4749 office
515-491-1429 cell

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

NOC OSP
515-725-7423

Bid/Job Showing: N/A

Work Start Date: Work may begin upon award of the bid and completion of the contract.

Completion Date: Not later than August 31, 2023 (extension may be negotiated based upon weather and/or unforeseen construction problems in the ROW).

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.

Quotes:

1. SEALED Quotes must be received by Sheri Stephens, ICN Contracting, no later than **2PM on May 17th, 2023**.
2. 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.

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: The following are included by reference and as provided within Bid Documents.

69220301 - Scope of Work (SOW) this document
69220301 - Punch List
69220301 - Typicals
69220301 - DOT documents
69220301 - Engineering plans

ICN Log #12345678

REV 01-29-19

11/24/2020