RE: RFQ 18-087 Fiber Maintenance and Repair ADDENDUM No. 1

The Utilities Commission is issuing the following addendum:

The following questions have been asked and are answered below:

1) Can you identify what size pull boxes are to be replaced or installed?

   *See attached purchase order for information UCNSB has acquired regarding pull boxes.*

2) Can you identify if the 2” conduit install will be by trench (or) bore method?

   *Trench method (under I95) for water pipe to the new Wal-Mart store*

3) Please describe the complete scope of work. (Typically, fiber optic cable is paid for per linear foot. Attaching 1 EACH of 72 count fiber does not provide adequate description of scope of work to determine cost. It could be attaching 100 LF or 10,000 LF of fiber optic cable).

   *It is the intention of UCNSB to issue a blanket purchase order to facilitate the maintenance and repair of our existing fiber lines. There is not a scope of work to describe or quantify. We have included our most recent inspection for reference. Inspections are generated monthly. Any new fiber runs would be considered a new project and would need to go through required purchasing procedures. The quote tabulation pages have been modified and are attached here for your use.*

4) RE: Pay Item #11 (Install OH 72 Count Fiber Per Each)

   Please quantify the scope of work included for Per Each. Please quantify the linear of 72 Count Fiber anticipated for the measure of Per Each.

   *It is the intention of UCNSB to issue a blanket purchase order to facilitate the maintenance and repair of our existing fiber lines. There is not a scope of work to describe or quantify. We have included our most recent inspection for reference. Inspections are generated monthly. Any new fiber runs would be considered a new project and would need to go through required purchasing procedures. The quote tabulation pages have been modified and are attached here for your use.*
5) **RE: Pay Item #12 (Install UG 72 Count Fiber Per Each)**
Please quantify the scope of work included for Per Each. Please quantify the linear of 72 Count Fiber anticipated for the measure of Per Each.

*It is the intention of UCNSB to issue a blanket purchase order to facilitate the maintenance and repair of our existing fiber lines. There is not a scope of work to describe or quantify. We have included our most recent inspection for reference. Inspections are generated monthly. Any new fiber runs would be considered a new project and would need to go through required purchasing procedures. The quote tabulation pages have been modified and are attached here for your use.*
Base Quote – Maintenance Related Improvements (e.g. repair of damaged line, pull box replacement)

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Est. Quantity</th>
<th>Unit</th>
<th>Unit Price</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Replace damaged riser guard or install new riser guard</td>
<td>1</td>
<td>LS</td>
<td>$</td>
</tr>
<tr>
<td>2</td>
<td>Install or Replace Marker Posts</td>
<td>1</td>
<td>EA</td>
<td>$</td>
</tr>
<tr>
<td>3</td>
<td>Uncover hand holes or pull boxes (grass, dirt, other materials)</td>
<td>1</td>
<td>EA</td>
<td>$</td>
</tr>
<tr>
<td>4</td>
<td>Replace Pull Boxes</td>
<td>1</td>
<td>EA</td>
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<tr>
<td>6</td>
<td>Replace pull box lids</td>
<td>1</td>
<td>EA</td>
<td>$</td>
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<tr>
<td>7</td>
<td>Adjust grade of Pull Boxes</td>
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<td>EA</td>
<td>$</td>
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<tr>
<td>8</td>
<td>Locate Overgrown or missing Pull Boxes</td>
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<td>EA</td>
<td>$</td>
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<tr>
<td>9</td>
<td>Install 2&quot; Conduit</td>
<td>100</td>
<td>LS</td>
<td>$</td>
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<tr>
<td>10</td>
<td>Replace or Install Pole Mounting Hardware</td>
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<td>EA</td>
<td>$</td>
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<td>11</td>
<td>Maintenance of Traffic</td>
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<td>LS</td>
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<td>Mobilization and Demobilization</td>
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<td>14</td>
<td>Install OH 72 Count fiber as a repair*</td>
<td>1</td>
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<td></td>
</tr>
<tr>
<td>15</td>
<td>Install OH 24 Count fiber as a repair*</td>
<td>1</td>
<td>LF</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Install UG 72 Count fiber as a repair*</td>
<td>1</td>
<td>LF</td>
<td></td>
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<tr>
<td>17</td>
<td>Install UG 24 Count fiber as a repair*</td>
<td>1</td>
<td>LF</td>
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<td>Total Base Quote</td>
<td>Up To</td>
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<td>$ 25,000.00</td>
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</table>
Written Total Base Quote Cost: twenty five thousand dollars

Vendor commitment to response time (days) 

*(UCNSB to provide Cable, Contractor to provide Fittings and Labor to repair)*
### Alternate Quote: *Technical Items (connections, terminations etc.)*

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
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<th>Unit</th>
<th>Unit Price</th>
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<tbody>
<tr>
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<td>Furnish and Install 72 Port Patch Panel and splice tray</td>
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<td>2</td>
<td>Furnish and Install 24 Port Patch Panel and Splice Tray</td>
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<tr>
<td>4</td>
<td>Disconnect &amp; Temporarily hang Aerial fiber</td>
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<td>5</td>
<td>Furnish and Install Slack Loops</td>
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<td>$</td>
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<tr>
<td>6</td>
<td>Attach 72 Count Fiber **</td>
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<td>EA</td>
<td>$</td>
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<td>7</td>
<td>Final Fiber Cable (OTDR) Test</td>
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<td>EA</td>
<td>$</td>
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<td>8</td>
<td>Provide and Install Wall Mount Rack Enclosure</td>
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<tr>
<td>9</td>
<td>Furnish and Install Fiber Optic Pigtails</td>
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<td>EA</td>
<td>$</td>
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<td>Terminate pigtails into Patch Panel</td>
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<td>LS</td>
<td>$</td>
</tr>
<tr>
<td>11</td>
<td>Install OH 72 Count Fiber as a repair*</td>
<td>1</td>
<td>LF</td>
<td>$</td>
</tr>
<tr>
<td>12</td>
<td>Install UG 72 Count Fiber as a repair*</td>
<td>1</td>
<td>LF</td>
<td>$</td>
</tr>
<tr>
<td>13</td>
<td>Install OH 24 Count Fiber as a repair*</td>
<td>1</td>
<td>LF</td>
<td>$</td>
</tr>
<tr>
<td>14</td>
<td>Install UG 24 Count Fiber as a repair*</td>
<td>1</td>
<td>LF</td>
<td>$</td>
</tr>
<tr>
<td>15</td>
<td>Install Pole Mounting Hardware</td>
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<td><strong>Total Alternate Quote</strong> Up To $ 20,000.00</td>
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**Written Alternate Quote Cost:** twenty thousand dollars

**Vendor commitment to response time (days)**

Insert Contractor & Manufacturer warranties and Qualification documents after this page.

*(UCNSB to provide Cable, Contractor to provide Fittings and labor to repair)*

**(Attach is at each pole or other**
Utilities Commission
City of New Smyrna Beach
Attn: Accounting Department
P.O. Box 100
New Smyrna Beach, FL 32170-0100

PURCHASE ORDER
No. PON0001953

P.O. number must appear on all correspondence.
Date: 7/28/2003
Page: 1
Requisition#: RQ030449

Vendor:
Florida Directional Boring Equip & Supplies Inc.
13338 Interlaken Road
Odessa
FL 33556

Attention: Eddie Bannarino
Phone: (813) 926-3698 Ext. 0000
Fax: (813) 926-5130 Ext. 0000
Vendor #: FLOR205

Ship to:
Operations Center
1151 Field Street
New Smyrna Beach
FL 32168
Dept: Engineering
Contact: G.Goldsworthy
Phone: (386) 427-1361X7106

Please ship merchandise subject to conditions printed on this order. State Sales Tax Exemption Certificate No.74-16-058509-54C

<table>
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<th>Item Description</th>
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</tbody>
</table>

Unless otherwise stated herein all prices are F.O.B. "Ship To" point listed above with freight prepaid by shipper.

Notes/Comment
60-1-32633-10-0009-VENETIA BAY
Coordinate delivery with contact listed.

Subtotal: $16,204.64
Freight: $0.00
Tax amount: $0.00
Total Value: $16,204.64

All Invoices will be paid within 30 days of:
Receipt of Invoice, Receipt of Goods or Acceptance of Work Performed

Authorized Signature
New Smyrna Fiber Plant
Monthly Inspection – October 2017

Summary of Findings

There are a few items that were found that Danella considers in need of Urgent Repair:

1. Pole in the NE corner of N Glencoe Rd and SR 44 – The riser guard is loose.
2. Danella will need more information about the underground fiber run from Glencoe Water Treatment Plant to Smith St Pumping Station to pinpoint the exact location of pull boxes. It will make the process of locate and identification easier. We recommend a pull test for this run of conduit to ensure that we are not missing any boxes.

The following items Danella considers to be Moderately Urgent:

1. Trimming the tree branches back such that they are not touching the fiber. This occurs in a few spots on the aerial run from the Smith Street Pumping Station to the C.O.B. This work appears to have been completed by another contractor and is complete.
2. Trimming the tree branches should also occur on the aerial run from the C.O.B. to System Operations. This work appears to have been started by another contractor and is complete.
3. Replacing the Pull Box at the intersection of Paige Ave and Dolores Dr.

The following items Danella considers to be Minor Repairs:

1. Re-attaching the slack of the aerial fiber and placing it back in the snowshoe just before Glencoe WTP.
FULL REPORT

Underground Fiber Run from the Head End Building to the pole in the NE corner of N Glencoe Rd and SR 44

  - Recommendation: Install Marker Posts at these locations to quickly identify pull boxes.

  - Recommendation: Confirm with contractors working in that area that the network will not be in the way of the new construction – will the network still be accessible? will the pull boxes need to be lowered or raised to adjust to new grade? **PB-22 is 6” above new sidewalk and PB-23 is 1’ below sidewalk - Both need to be brought to finish grade.**

- Pull Boxes with Integrity problems: The corner top holding the lid of the box is broken. PB-12.
  - Recommendation: *The side of the box holding the lid is broken at PB-21.* Reference: Picture 8, 37.
  - Recommendation: *These boxes should be replaced eventually. It is not urgent in its current status.*

(Pictures below and on next pages)

**Picture # 1 PB-13**
Picture # 2 PB-14

Picture # 3 PB-19
Picture #30 PB-B

Picture #31 PB-7
Picture # 6 PB-22 (Updated photo – grade difference)

Picture # 7 PB-23 (Updated photo – grade difference)
Picture # 8 PB-12

Picture #37 PB-21
Picture #38 – PB-6 (Construction around box)
Aerial Run from pole in the NE corner of N Glencoe Rd and SR 44 to Glencoe Water Treatment Plant

- Pole in the NE corner of N Glencoe Rd and SR 44: Riser guard is loose. Reference: Picture #9
  - **Recommendation:** The riser guard should be reattached.
- The last slack point before Glencoe WTP is missing a few tie wraps and the fiber is now out of the snowshoe. Reference: Picture #32, 39
  - **Recommendation:** Re-attach slack points with tie wraps.
- At second span south of Glen Dr on Glencoe Rd at the entrance to Westwood Drive Subdivision - There is a palm tree with branches touching the fiber. Reference: Picture #34
  - **Recommendation:** Trim branches so not touching the fiber.
- One span more south of Westwood Drive Subdivision – more palm tree branches touching the fiber. Reference: Picture #35
  - **Recommendation:** Trim branches so not touching the fiber

Picture # 9
Picture #34

Picture #35
Underground Fiber Run from Glencoe Water Treatment Plant to Smith St Pumping Station

- We need more information about this run to pinpoint the exact location of pull boxes therefore it will make the process of locate and identification easier.
- From Glencoe WTP going northeast on Paige Ave we could not find any pull boxes, only marker posts. Reference: Pictures # 10, 11, 12
  - **Recommendation:** Please provide us with a detailed drawing of this route so we can better locate pull boxes. If this does not exist, we can provide the labor and resources to create such a drawing.
- The first pull box we could identify is on Paige Ave about 300’ west of the intersection with Hidden Pines Blvd. We will utilize this pull boxes to locate other pull boxes going south on Paige Ave towards Glencoe WTP using this pull box. Reference: Pictures #27, 28.
  - **Recommendation:** Same as above. These pull boxes also need marker posts.
- There is a pull box inside the fenced in area of a DOT Pond 750 feet east of the intersection of Paige Ave and Mission Drive. It needs to be verified. Reference: Picture # 14
  - **Recommendation:** Please provide us with the contact information to gain access to verify this pull box.
- The pull box between Steart Dr and Dolores Dr on the south side of the road was located and the grass and dirt cleaned off from it.
- The pull box at the intersection of Paige Ave and Dolores Dr is broken – the corner of the box is missing. The lid, however, is in good condition. Reference: Picture #29
  - **Recommendation:** The pull box should be replaced.
- The pull box on Paige Ave approximately 50’ east of Turnbull Creek was located and the grass and dirt cleaned off from it.
- The pull box in the SE corner of the intersection of Findley St and Old Mission Rd was located and the grass and dirt was cleaned off from it. It also needs a marker post. Reference: Picture #33
  - **Recommendation:** Install marker post to quickly identify pull box.

(Pictures on next pages)
Picture # 10 Marker Post 500’ east of Glencoe WTP on Paige Ave.

Picture # 11 Marker Post 1200’ NE of Glencoe WTP on Paige Ave.
Picture # 12 Marker Post 1400’ NE of Glencoe WTP on Paige Ave.

Picture # 13
Picture # 14

Picture #27  (Needs a marker post)
Picture #28  (Needs a marker post)

Picture #29
Aerial Run from Smith St Pumping Station to the C.O.B.

- Aerial Attachments look good.
  There are some tree branches touching the fiber that need trimming.
- Span between 1st and 2nd pole north of Smith Office on the east side of Smith St. Reference: Picture # 19.

(Pictures are below and on next page)
Aerial Run from the C.O.B. to System Operation

- Aerial Attachments look good.
- **There are some tree branches touching the fiber that need trimming.**
- Span between 1st and 2nd pole west of Live Oak St on the south side of Downing St. Reference: Picture #21 *(New photo)*
- First span east of S Dixie Fwy and Downing St on the north side of Downing St. Reference: Picture #22
- First span east of S Myrtle Ave and Downing St on the north side of Downing St. Reference: Picture #23 *This area has been trimmed by another contractor.*
- First span south of S Myrtle Ave and Downing St on the west side of S Myrtle St. Reference: Picture #24 *This area has been trimmed by another contractor.*
- First span west of S Myrtle Ave and Meadow Wood St on the south side of Meadow Wood St. Reference: Picture #25 *This area has been trimmed by another contractor.*
- First span south of Meadow Wood St and Slaton St on the west side of Slaton St. Reference: Picture #26 *This area has been trimmed by another contractor.*
- Second span east of Chesnut St on the north side of Downing St. Reference: Picture #36
  - *Recommendation:* Trim branches back such that they are not touching the fiber. The area along Like Oak St between Smith St and Andrew St is URGENT. *This area has been trimmed by another contractor*
- *Before getting to System Ops (new run of fiber), there is a palm tree where the branches need to be trimmed. Reference: Picture #40*

(Pictures below and on next pages)
New photo showing trimming complete.
Picture # 24  New photo showing trimming complete.

Picture # 25  New photo showing trimming complete.
Picture # 26  New photo showing trimming complete.

Picture #36  New photo showing trimming complete.
Picture #40