



## Request for Proposals

The Maryland Broadband Cooperative (Mdbc) is accepting Proposals on the following:

**Department of Housing and Community Development**

**Maryland Broadband Infrastructure Grant Program**

All submittals must be made in accordance with the specifications supplied by

Maryland Broadband Cooperative  
2129A Northwood Drive  
Salisbury Md 21801

Submittals will be received until **12:00 pm (local time), September 16, 2020.**

Megan Speake  
Projects Coordinator  
Maryland Broadband Cooperative, Inc.  
(410) 341-6322

## Table of Contents

<b>Section 1. General Description</b> .....	4
1.1 Overview.....	4
1.2 Response Schedule / Procedures.....	4
1.3 Questions.....	5
1.4 Bidders Teleconference.....	5
1.5 Evaluation / Award .....	5
1.6 Payment / Schedule.....	5
1.7 Project close-out checklist .....	6
<b>Section 2. Bidding and Contract Documents</b> .....	7
2.1 As-Built and Fiber Testing .....	7
2.2 Documentation.....	7
2.3 Schedule / Timeframe .....	7
2.4 Safety Compliance .....	7
2.5 MISS Utilities .....	7
2.6 Master Service Agreement.....	8
2.7 Pole Applications .....	8
<b>Section 3. Scope of Work</b> .....	9
3.1 Hebron.....	9
Construction.....	9
Splicing .....	10
Hebron Scope of Work – Snapshot.....	10
Hebron Scope of Work – Plantations Snapshot .....	11
Hebron Scope of Work – Webster Estates Snapshot .....	11
3.2 Quantico.....	12
Construction.....	12
Splicing .....	12
Quantico Scope of Work – Snapshot .....	13
3.3 Toddville.....	14
Construction.....	14
Splicing .....	14
Toddville Scope of Work – Snapshot .....	15

3.4 Elliott Island.....	16
Construction.....	16
Splicing.....	16
Elliott Island Scope of Work – Snapshot.....	17
3.5 Deer Park.....	18
Construction.....	18
Splicing.....	19
Deer Park Scope of Work – Snapshot.....	20
3.6 Lonaconing.....	21
Construction.....	21
Splicing.....	21
Lonaconing Scope of Work – Snapshot.....	22
3.7 Charlotte Hall (Ryceville Road).....	23
Construction.....	23
Splicing.....	23
Charlotte Hall Scope of Work – Snapshot.....	24

## Section 1. General Description

### 1.1 Overview

Maryland Broadband Infrastructure Grant Program, is facilitated by the Maryland Broadband Cooperative (Mdbc) and the Governor’s Office of Rural Broadband through an award provided by the Department of Housing and Community Development (DHCD).

Mdbc provides middle mile interconnection and internet backhaul services to its members. In order for an area to receive broadband services, provisions for the new network to connect to the internet must be in place. Mdbc will construct fiber optic networks into unserved, rural areas that will connect to and utilize Mdbc’s existing Open Access network. The newly constructed infrastructure will be made available to members for use in delivery of last mile (“retail”) broadband services in accordance with Mdbc’s operating policies.

The match for this grant will be provided by the last mile infrastructure to be constructed by Mdbc’s members and Mdbc will offer reduced rates for the use of the funded infrastructure.

#### ALLEGANY COUNTY

- Lonaconing (190 Homes Passed)

#### CHARLES COUNTY

- Charlotte Hall (132 Homes Passed)

#### DORCHESTER COUNTY

- Elliott Island (80 Homes Passed)
- Toddville (114 Homes Passed)

#### GARRETT COUNTY

- Deer Park (132 Homes Passed)

#### WICOMICO COUNTY

- Hebron (159 Homes Passed)
- Quantico (130 Homes Passed)

Each area selected for an award was selected based on the lack of broadband services in the area, but with an eye to the potential for expansion and delivery of last mile broadband service. The grant is being made in accordance with an existing MOU between DHCD and the Mdbc. Mdbc will be responsible for all ongoing operating and maintenance costs relating to the network.

### 1.2 Response Schedule / Procedures

This RFP opens on August 17, 2020. Submittals must be received by 12:00 pm (local time) on September 16, 2020.

- All bids must reflect a firm-fixed-price contract—preference to the lowest bidder.
- **Submit all bids to the below mailing address or electronic mailing address before the specified closing date. Only submittals sent to the below address will be considered.**

- Mailing address: Attention: Megan Speake, Maryland Broadband Cooperative, 2129A Northwood Drive Salisbury MD 21801
- Electronic Mailing address: [mspeake@mdbc.us](mailto:mspeake@mdbc.us)
- All questions must be submitted in writing. All answers will be posted publicly.

Submissions received after the closing date and time will not be accepted or reviewed. If you have any questions, please contact Megan Speake, Projects Coordinator, at [mspeake@mdbc.us](mailto:mspeake@mdbc.us).

### 1.3 Questions

All RFP questions must be submitted to Megan Speake [mspeake@mdbc.us](mailto:mspeake@mdbc.us) by August 31, 2020. MDBC will publish all questions and answers by September 4, 2020.

### 1.4 Bidders Teleconference

A bidder's Teleconference is scheduled for August 26, 2020 at 9am.

All bidders must contact Megan Speake [mspeake@mdbc.us](mailto:mspeake@mdbc.us) for Teleconference information.

Please send questions to Megan Speake [mspeake@mdbc.us](mailto:mspeake@mdbc.us) before the bidder's Teleconference. Answers to all questions will be published three days after the Teleconference.

### 1.5 Evaluation / Award

Bids will be evaluated based on a 100% scale, per scope of work.

- 25% awarded based on overall value
  - Up to 25 points for the best value proposal
- 25% awarded based on bidder compliance regarding the response/ schedule procedure
  - Up to 5 points for meeting Business License requirements
  - Up to 5 points for meeting Insurance requirements
  - Up to 5 points for meeting Job Reference requirements
  - Up to 10 points for producing Bid Bond
- 50% awarded based on the bidder's understanding of S.O.W.
  - Up to 10 points for providing material specifications
  - Up to 10 points for meeting key personnel requirements
  - Up to 10 points for demonstrating unique regional value
  - Up to 10 points for meeting schedule/ timeframe requirements
  - Up to 10 points for meeting safety compliance requirements

The highest-scoring bid will be awarded by September 30, 2020.

### 1.6 Payment / Schedule

Approved invoices will be paid within 30 days less any retainage and disputed payments.

### 1.7 Project close-out checklist

Mdbc will review the project for completion and acceptance based on, but not limited to, the following checklist. Once Mdbc accepts the project, all final payments and retainage will be paid to the contractor.

- All project conflicts resolved
- All project restoration complete
- Fiber documentation
  - Final as-builts
- Fiber testing
  - OTDR testing
  - Fiber verification (usable to industry standards)
- All fiber is tagged and labeled, at each handhole, and every splice case, “Mdbc Fiber.”

Thank you for taking time to review and consider our RFP. We look forward to receiving your proposals.

## **Section 2. Bidding and Contract Documents**

### **2.1 As-Builts and Fiber Testing**

The contractor will submit construction As-Builts and Fiber Testing documentation upon completion of each build, according to MDBC's standards and specifications.

### **2.2 Documentation**

Included in RFP Response, the contractor must submit:

- Valid MD Business License
- Insurance Certificate per Master Service Agreement
- 3 Detailed Job References (comparable in project size and deliverables)
- Resume/ Qualification of key personnel
- Bid Bond
- Timeframe/ Schedule for project

### **2.3 Schedule / Timeframe**

The contractor will submit a proposed project schedule and timeframe for job completion for each Scope of Work.

- Each Scope of Work should be completed within a six to eight months from award.

### **2.4 Safety Compliance**

The contractor will submit any active Safety Compliance program(s).

- All work shall conform to Safety Standards set by Local, State, and Federal Guidelines, and MDBC Standards and Specifications.

### **2.5 MISS Utilities**

The contractor is responsible for the protection of facilities and will be liable for any damages during the entire construction phase. The contractor must notify public service companies of work intention 48 hours before work is to begin by calling MISS UTILITIES at 1-800-257-7777 or by applying for utility locates online at <http://www.missutility.net/>. All notification to the above utility companies and "MISS UTILITY," at 1-800-257-7777, shall be given 48 hours (two full workdays) in advance of working in the area of each specifically affected utility. The notification to "MISS UTILITY" is required whenever any excavating or similar work is performed.

## 2.6 Master Service Agreement

The awarded contractor will execute a Master Service Agreement (MSA) with MDBC.

A draft MSA is attached for bidder review.

## 2.7 Pole Applications

The awarded contractor will be responsible for all aerial pole application submissions. All pole attachments will be under MDBC.



## Section 3. Scope of Work

### 3.1 Hebron

#### Construction

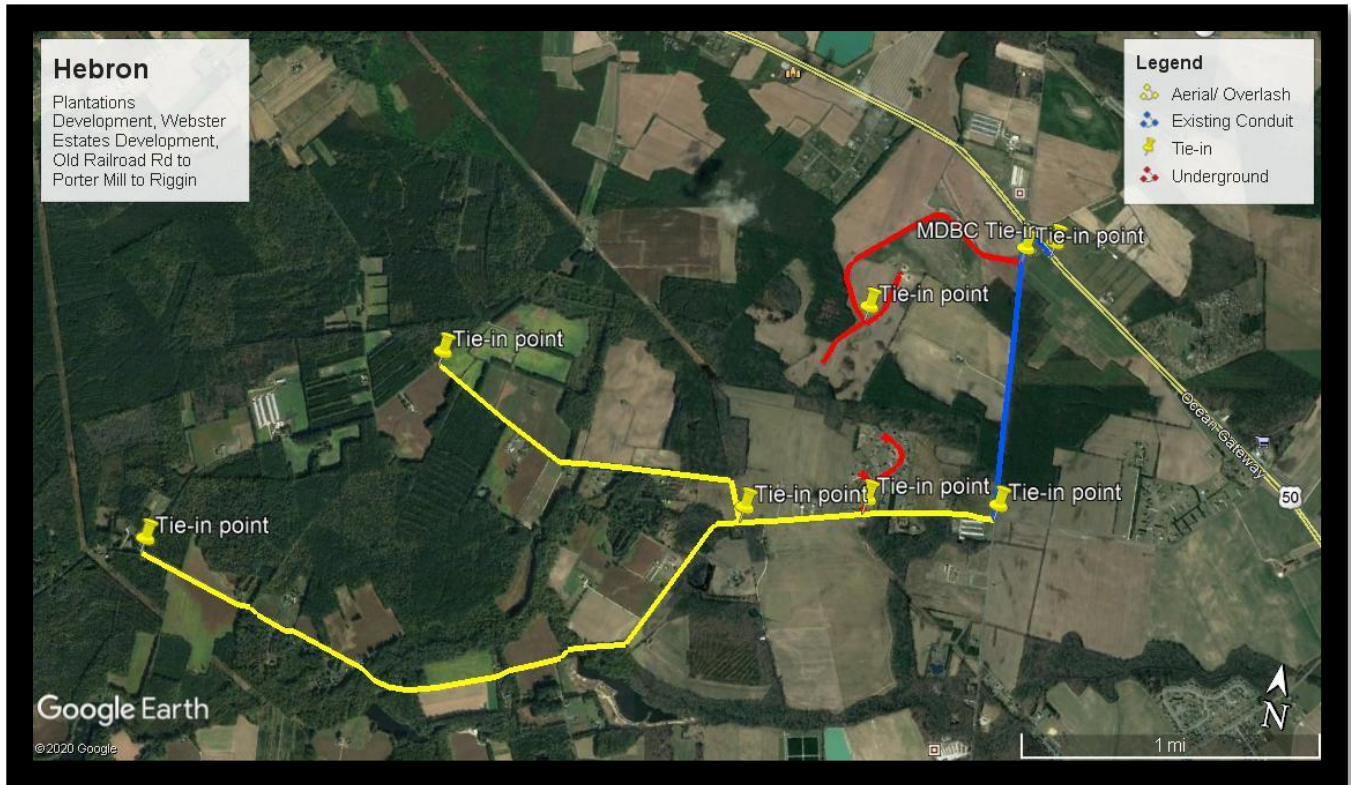
1. The contractor must provide the following:
  - All permits (County, State, Local, Environmental)
  - Engineering
  - Materials
  - Labor
  - Restoration
  - Fiber documentation/ OTDR testing
  - Final as-builts
  - All fiber must be tagged and labeled as MdBC fiber at each handhole and every splice case.
  
2. Pull through existing conduit from U.S. Route.50 and Old Railroad Road to the intersection of Porter Mill and Old Railroad Road. Approximately 6,300' of 144 count fiber. At each existing hand hole (approximately 750' apart), place a 100' slack loop. (Existing conduit is 2" and currently occupied by a 96 count fiber with tracer wire.)
  
3. Through the Plantations Development, off Old Railroad Road,
  - Directional Drill, or Trench (2) – 2" S.D.R. 11 conduits approximately 7,600'.
  - The two conduits must be different colors (one black, one orange).
  - Install polymer concrete hand holes approximately 750'-800' apart where conduit is installed and or where specified. Approximately 5 - 30x48x36 hand holes with a Tier 22 lid. Approximately 20 - 24x24x36 hand holes with a Tier 22 lid.
  - Pull approximately 12,000' of 144 count fiber with tracer wire and 100-' slack loops at each hand hole.
  - Splice fiber to make path whole back to Old Railroad Road.
  
4. Through the Webster Estates Development, off Porter Mill Road,
  - Directional Drill, or Trench 2 – 2" S.D.R. 11 conduits approximately 2,700'.
  - The two conduits must be different colors (one black, one orange).
  - Install polymer concrete hand holes approximately 750-800' apart where conduit is installed and or were specified—approximately 15 - 24x36x18 hand holes with a Tier 22 lid.
  - Pull approximately 2,700' of 144 count fiber with tracer wire and 100' slack loops at each hand hole (to the end of Island Pointe and Pebble Court cul-de-sacs).
  - Splice fiber to make path whole back to Porter Mill Road.

5. On Porter Mill Road from Old Railroad Road to Riggin Road,
  - Attach strand/ hardware and 144 count fiber on existing utility pole lines with 300' of slack loop, with snow shoes, every 2,000'/ 2,200'. An approximate total distance of 17,400'.
  
6. From Porter Mill Road to Riggin Road on Deerfield Road,
  - Attach strand/ hardware and 144 count fiber on existing utility pole lines with 300' of slack loop, with snow shoes, every 2,000'/ 2,200'. An approximate total distance of 7,000'.

### Splicing

1. The contractor will make all butt splices whole.
2. Minimum of 84 fiber splices, not including butt splices on this scope of work.
3. 7 Tie in points requiring 7 Tyco D- Splice Cases as specified on KMZ (In addition to all butt splice cases.)

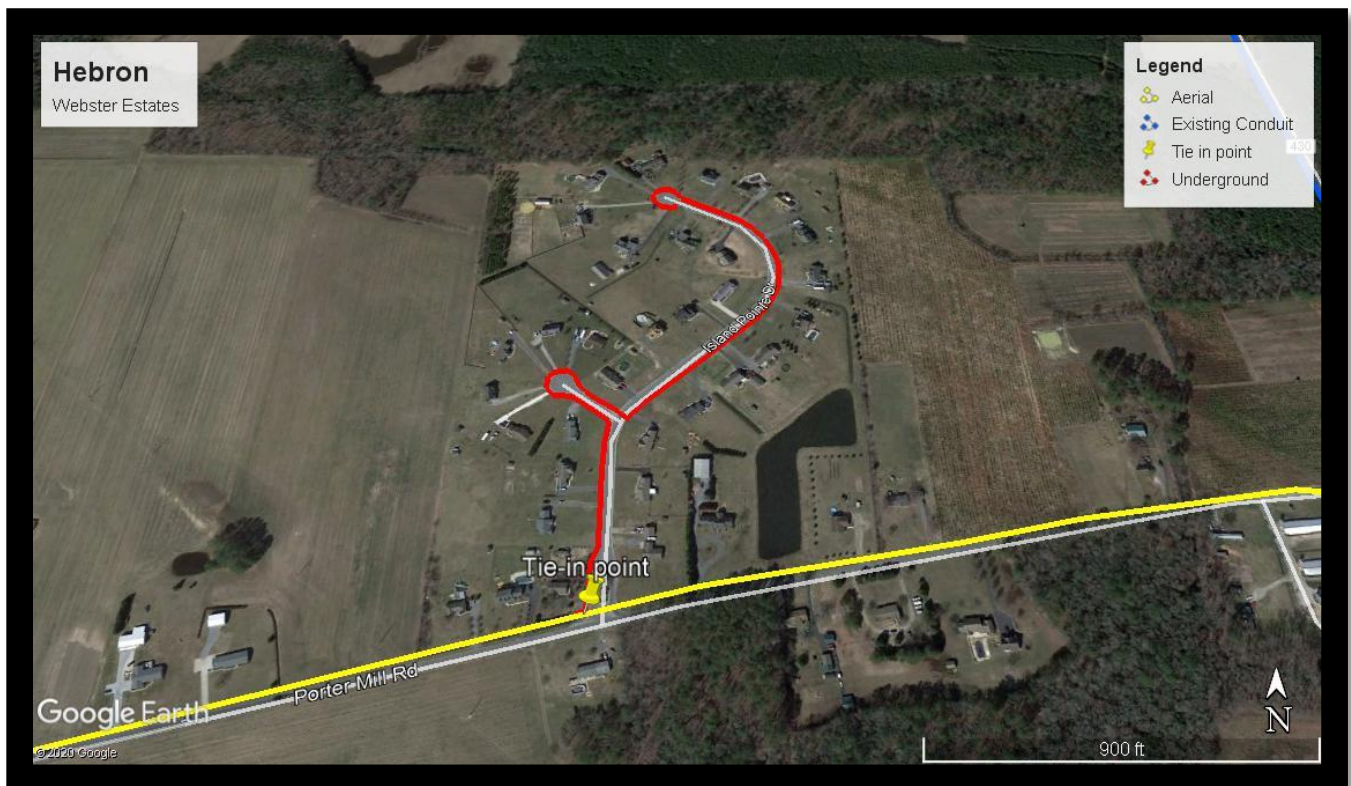
### Hebron Scope of Work – Snapshot



### Hebron Scope of Work – Plantations Snapshot



### Hebron Scope of Work – Webster Estates Snapshot



## 3.2 Quantico

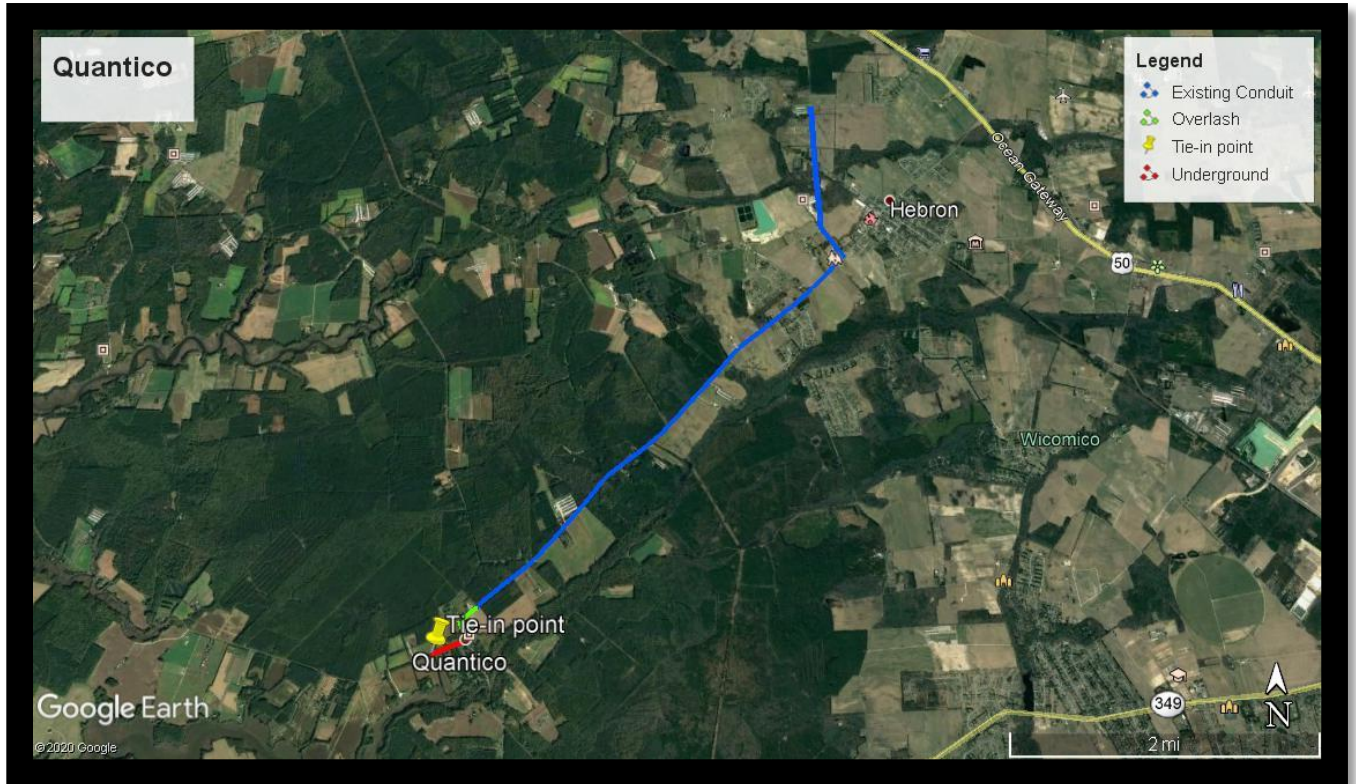
### Construction

1. The contractor must provide the following:
  - All permits (County, State, Local, Environmental)
  - Engineering
  - Materials
  - Labor
  - Restoration
  - Fiber documentation/ OTDR testing
  - Final as-builts
  - All fiber must be tagged and labeled as MdBC fiber at each handhole and every splice case.
2. Pull through exiting conduit from Old Railroad Road and Porter Mill to pole # 42794/93621 on Quantico Road. Approximately 25,700' of 144 count fiber. At each existing hand hole place, a 100' slack loop and make butt splices whole. (Existing conduit is 2" and currently occupied by a 96 count fiber with tracer wire.)
3. Overlash existing fiber with a 144-count fiber from pole # 42794/93621 on Quantico Road to pole # 42763/93511 and riser down and place handhole to start underground. Approximately 1,500'. Add 300' slack loop with snow shoes at beginning and end of aerial overlash.
4. From Cherry Walk Road/ Quantico Road to Utility Pole # 712/98, Directional Drill, or Trench a 2" S.D.R. 11 conduit approximately 1,400'. Aerial overlash to existing fiber tie in point (approximately 2,000'). Add 300' slack loop with snow shoes. Install polymer concrete hand hole approximately 750-800' apart where conduit is installed and or where specified. Hand holes must be 30x48x36 with a Tier 22 lid.

### Splicing

1. The contractor will make all butt splices whole.
2. Minimum of 36 fiber splices/max of 48 fiber splices, not including butt splices on this scope of work.
3. 1 Tie in point requiring 1 Tyco D- Splice Case as specified on KMZ (In addition to all butt splice cases.)

Quantico Scope of Work – Snapshot



### 3.3 Toddville

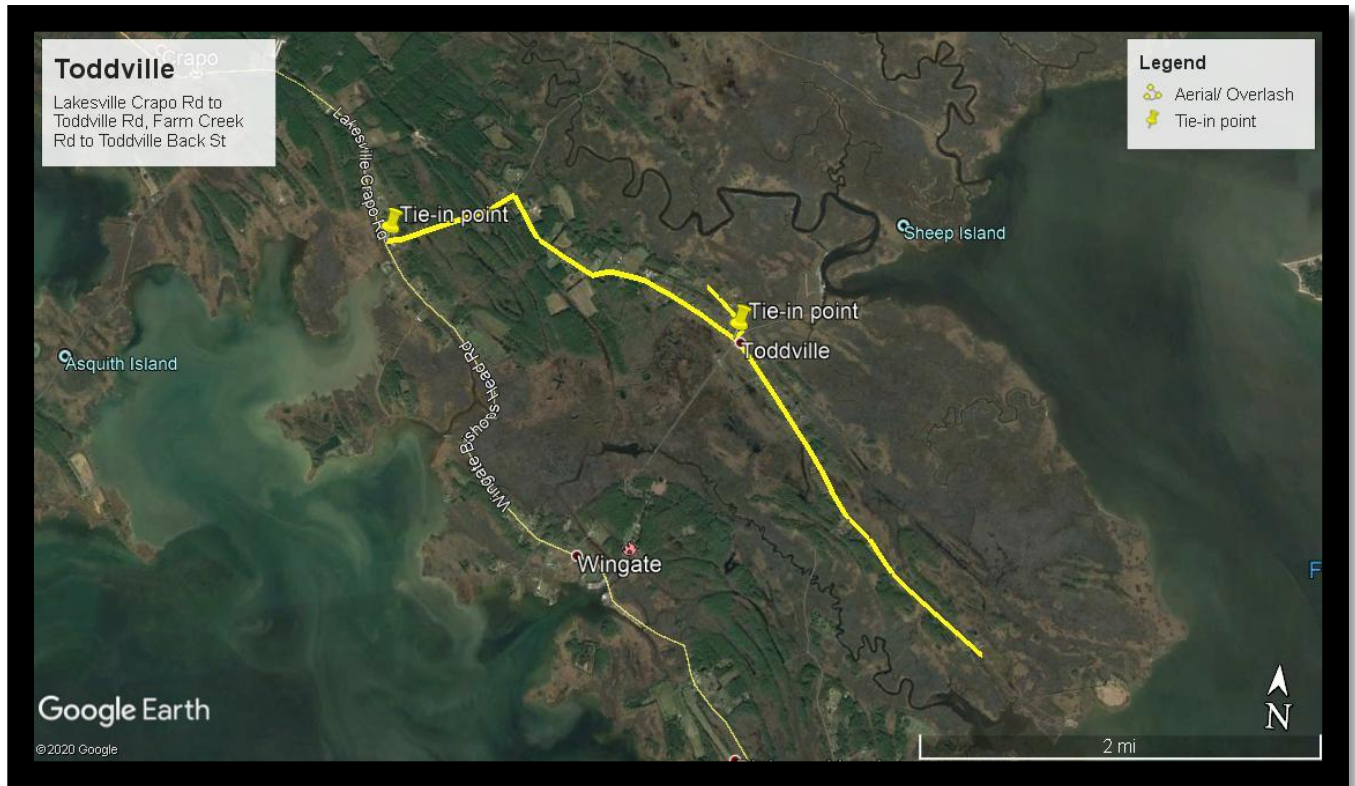
#### Construction

1. The contractor must provide the following for each scope of work.
  - All permits (County, State, Local, Environmental)
  - Engineering
  - Materials
  - Labor
  - Restoration
  - Fiber documentation/ OTDR testing
  - Final as-builts
  - All fiber must be tagged and labeled as MdBC fiber at each handhole and every splice case.
2. Attach 3/8" strand/hardware, and 144 count fiber on existing utility pole line from Lakesville Crapo Road to the end of Toddville Road with 300' of slack loop, with snow shoes, every 2,000' / 2,200'. Approximately 25,400'.
3. Attach 3/8" strand/hardware, and 144 counts fiber on existing utility pole line from Farm Creek Road to the end of Toddville Back St with two, 300' slack loops in this span, with snow shoes, Approximately 2,000'.

#### Splicing

1. The contractor will make all butt splices whole.
2. Minimum of 36 fiber splices/max of 48 fiber splices, not including butt splices on this scope of work.
3. 2 Tie in points requiring 2 Tyco D- Splice Cases as specified on KMZ (In addition to all butt splice cases.)

# Toddlville Scope of Work – Snapshot



### 3.4 Elliott Island

#### Construction

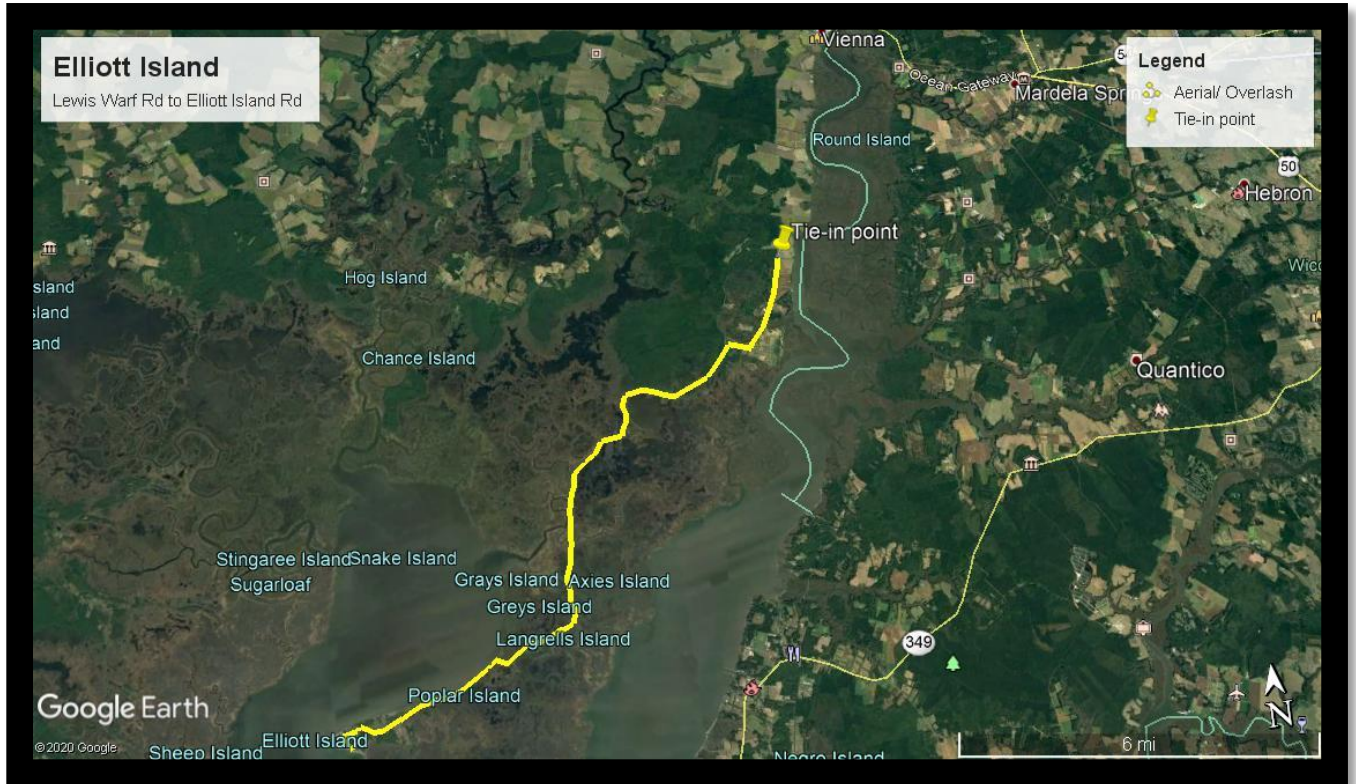
1. The contractor must provide the following:
  - All permits (County, State, Local, Environmental)
  - Engineering
  - Materials
  - Labor
  - Restoration
  - Fiber documentation/ OTDR testing
  - Final as-builts
  - All fiber must be tagged and labeled as MdBC fiber at each handhole and every splice case.
  
2. Attach 3/8" strand/hardware, and 144 count fiber on existing utility pole line from Lewis Warf Road to the end of Elliott Island Road with 300' of slack loop, with snow shoes, every 2,000' / 2,200'. Approximately 74,600'.

#### Splicing

1. The contractor will make all butt splices whole.
2. Minimum of 36 fiber splices/max of 48 fiber splices, not including butt splices on this scope of work.
3. 1 Tie in point requiring 1 Tyco D- Splice Case as specified on KMZ (In addition to all butt splice cases.)



Elliott Island Scope of Work – Snapshot



### 3.5 Deer Park

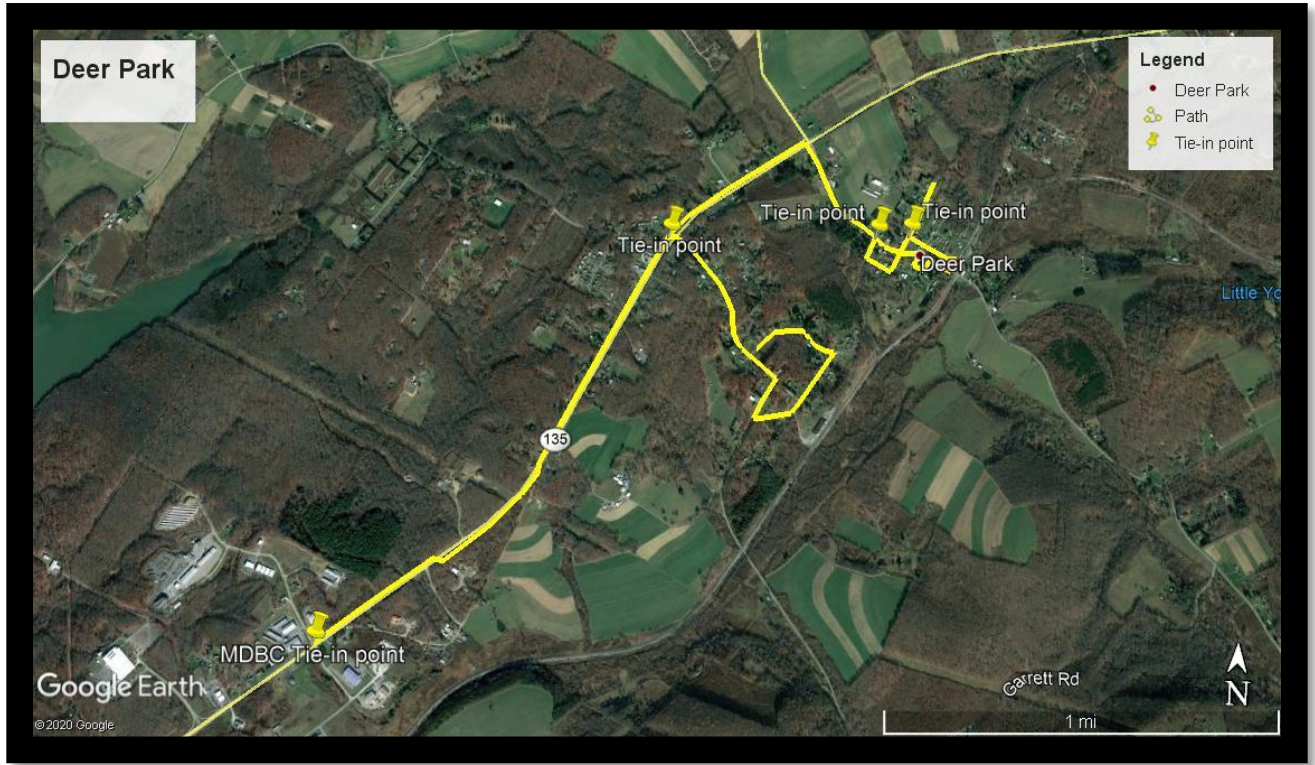
#### Construction

1. The contractor must provide the following:
  - All permits (County, State, Local, Environmental)
  - Engineering
  - Materials
  - Labor
  - Restoration
  - Fiber documentation/ OTDR testing
  - Final as-builts
  - All fiber must be tagged and labeled as MdBC fiber at each handhole and every splice case.
2. Starting at MdBC handhole and riser up to install new strand/hardware with 144 count fiber from Pole # 1123037 at Francis Sanders Drive W to Sand Flat Road Pole #1 continuing on Main Street to Church St Pole #79 in Deer Park. Approximately 13,000', 300' of slack loop, with snow shoes, every 2,000'/ 2,200'.
3. New Aerial attachment with 3/8" strand/hardware, and 144 count fiber on existing utility pole line from; Pole # 3100 at Route 135 Deer Park Hotel Road to Fricks Crossing Road Pole # 12. Follow down Hotel Drive to the intersection of Hotel Drive and Hotel Road Pole #3059. Follow back on Hotel Road to Deer Park Hotel Road, approximately 6,600' with two 300' of slack loops, with snow shoes, one at the end of the run, and one in the middle.
4. New Aerial attachment with 3/8" strand/hardware, and 144 count fiber on existing utility pole line from; Pole #3028 at the intersection of Speicher St and Garden St Pole #3030, to Church Street. From Church Street to Warnick St, to Back Street., to Tillson McGraw Street., back to Main St Pole # 84 Approximately 2,300' with two 300' of slack loops, with snow shoes, to be specified by MdBC.
5. Trench 2" S.D.R. 11 conduit approximately 200' from Pole #2968 on Main Street to Pole # B.C.A. on Edge Wood Road. Install one 30x48x36 with Tier 22 lid polymer concrete hand hole approximately conduit is installed and or where specified.
6. New Aerial attachment with 3/8" strand/hardware, and 144 count fiber on existing utility pole line from Edge Wood to Oak Street Pole #BCA, to Church Street Pole #VZ2, down Church Street to the endpoint on KMZ attachment. Approximately 1,700' with two 300' of slack loops, with snow shoes, to be specified by MdBC.

## Splicing

1. The contractor will make all butt splices whole.
2. Minimum of 48 fiber splices/max of 60 fiber splices, not including butt splices on this scope of work.
3. 3 Tie in points requiring 3 Tyco D- Splice Cases as specified on KMZ (In addition to all butt splice cases.)

Deer Park Scope of Work – Snapshot



### 3.6 Lonaconing

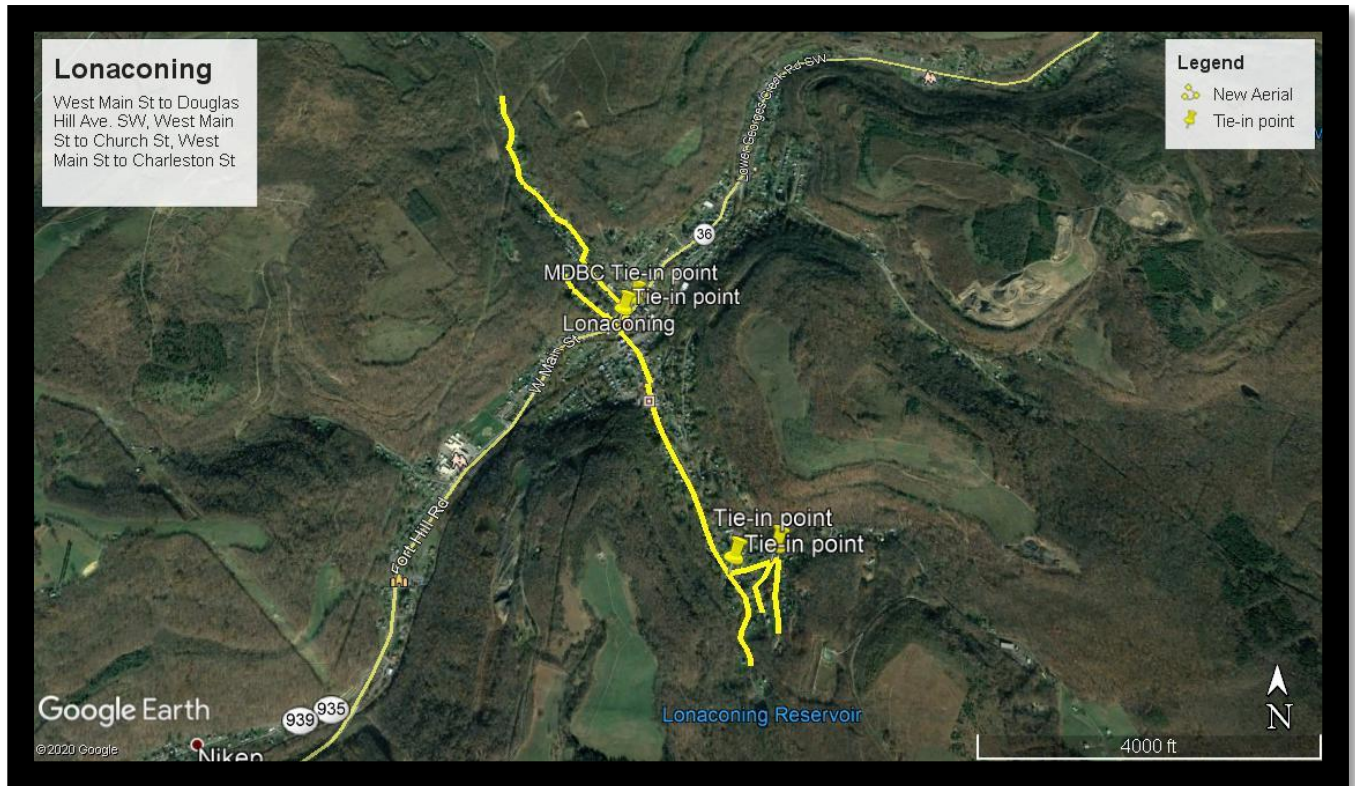
#### Construction

1. The contractor must provide the following:
  - All permits (County, State, Local, Environmental)
  - Engineering
  - Materials
  - Labor
  - Restoration
  - Fiber documentation/ OTDR testing
  - Final as-builts
  - All fiber must be tagged and labeled as MdBC fiber at each handhole and every splice case.
  
2. Attach 3/8" strand/hardware, and 144 count fiber on existing utility pole line from; the intersection of West Main Street and Church Street Pole #408, to Douglas Hill Ave. S.W. (Route. 657), continuing to the corner of Beechwood Street, turning at Pole #9 and extending down Old Beechwood Road S.W. to Pole #58. Approximately 5,000' with 300' of slack, with snow shoes, loop every 1,200'/ 1,500'.
  
3. Attach 3/8" strand/hardware, and 144 count fiber on existing utility pole line from; the intersection of West Main Street and Church Street., to the end of Church St, ending at Pole # 10. Approximately 1,200' with two 300' of slack loops, with snow shoes, one at the end of the run, and one in the middle.
  
4. Attach 3/8" strand/hardware, and 144 count fiber on existing utility pole line from; the intersection of West Main Street and Church Street. Union Street, over to and down Jackson Street, to the intersection of Jackson Run Road S.W., and New Memory Lane SW at Pole #205, onto and around Hummingbird Hill Ln S.W., to Charlestown Street Pole #12, following Antique Road S.W. ending at 17307 Jackson Run Road S.W. Approximately 7,600' with 300' of slack loops, with snow shoes, every 1,200'/ 1,500'.

#### Splicing

1. The contractor will make all butt splices whole.
2. Minimum of 48 fiber splices/max of 60 fiber splices, not including butt splices on this scope of work.
5. 4 Tie in points requiring 4 Tyco D- Splice Cases as specified on KMZ (In addition to all butt splice cases.)

# Lonaconing Scope of Work – Snapshot



### 3.7 Charlotte Hall (Ryceville Road)

#### Construction

1. The contractor must provide the following:
  - All permits (County, State, Local, Environmental)
  - Engineering
  - Materials
  - Labor
  - Restoration
  - Fiber documentation/ OTDR testing
  - Final as-builts
  - All fiber must be tagged and labeled as MdBC fiber at each handhole and every splice case.
  
2. Starting at North Ryceville Road and Ryceville Road at SMECO substation.
  - Directional Drill, Trench, or Plow (1) – 2” S.D.R. 11 conduit approximately 12,600’ West to Trinity Church Road.
  - Directional Drill, Trench, or Plow (1) – 2” S.D.R. 11 conduit approximately 4,300’ North from Trinity Church Road to Norwood Drive.
  - Directional Drill, Trench, or Plow (1) – 2” S.D.R. 11 conduit approximately 2,200’ on Norwood Drive.
  - Directional Drill, Trench, or Plow (1) – 2” S.D.R. 11 conduit approximately 3,100’ South on Trinity Church Road to Route 234.
  - Directional Drill, Trench, or Plow (1) – 2” S.D.R. 11 conduit approximately 4,100’ East on Route 234 to Marsh Court.
  - Install polymer concrete hand holes approximately 750-800’ apart where conduit is installed and or where specified. Approximately 35 - 30x48x36 hand holes with a Tier 22 lid.
  - Pull approximately 29,800’ of 144 count fiber with tracer wire and 100’ slack loops at each hand hole.
  - Splice fiber to make path whole back to Ryceville Road at SMECO substation.

#### Splicing

1. The contractor will make all butt splices whole.
2. Minimum of 60 fiber splices/max of 120 fiber splices, not including butt splices on this scope of work.
6. 2 Tie in points requiring 2 Tyco D- Splice Cases as specified on KMZ (In addition to all butt splice cases.)

Charlotte Hall Scope of Work – Snapshot

