



HIGHWAY DIVISION

ADMINISTRATION

# Supply and Material Bid/Quote for 2020 Addendum 1 12/30/19

1. The project bid documents and specifications have been modified or added as follows:  
- **Bids will be received up to 9:00 AM on Tuesday, January 21, 2020.**
  
2. The Elkhart County Highway Department, through the Board of County Commissioners, is soliciting bids for additional materials related to the construction and maintenance of its dark fiber network as follows:

### Material and Supply Bid/Quote Specifications

- ITEM 9**
- A. Fiber Optic Cable, 24 strands** - 50,000 linear feet, more or less
  - B. Fiber Optic Cable, 48 strands** - 5,000 linear feet, more or less
  - C. Fiber Optic Cable, 72 strands** - 5,000 linear feet, more or less
  - D. Fiber Optic Cable, 96 strands** - 5,000 linear feet, more or less
  - E. Fiber Optic Cable, 144 strands** - 30,000 linear feet, more or less
  - F. Fiber Optic Cable, 288 strands** - 5,000 linear feet, more or less

#### Specifications:

1. Acceptable fiber cable manufacturer is Corning (or approved equal)
2. Components:

A. Fiber Optic Conductors

(1) Single Mode Fiber Optic Cable.

(a) General

(i) Use cable with individual strands that are 8.3/125 micrometers dual window single mode optical fiber.

(ii) Use cable which meets or exceeds the following characteristics:

<u>Wavelength (nm)</u>	<u>Maximum Attenuation (dB/km)</u>
1310	0.4
1550	0.3

B. For Outdoor Fiber Cabling provide cable with the following characteristics:

- (1) Loose tube, break-out type
- (2) Rated for indoor/outdoor use, armored
- (3) Integral strength member
- (4) Core filled with dry water blocking compound or water blocking tape

3. Bid price will include delivery to one of the following County facilities / locations, determined by the County at time of order:

- i. 18400 CR 50, New Paris, Indiana
- ii. 610 Steury Ave., Goshen, Indiana
- iii. 59308 C.R. 7, Elkhart, Indiana
- iv. CR 38 & CR 17 Truck Barn
- v. 21833 SR 120, Elkhart, Indiana

**ITEM 10      A. Tracer Wire - 80,000 linear feet, more or less**

Specifications:

- 1. Tracer wire shall be No. 12 copper clad steel.
- 2. Tracer wire shall be orange in color.
- 3. Bid price shall include delivery to one of the following County facilities / locations, determined by the County at time of order:
  - i. 18400 CR 50, New Paris, Indiana
  - ii. 610 Steury Ave., Goshen, Indiana
  - iii. 59308 C.R. 7, Elkhart, Indiana
  - iv. CR 38 & CR 17 Truck Barn
  - v. 21833 SR 120, Elkhart, Indiana

**ITEM 11      A. Communications Conduit, 2 inch - 21,000 linear feet, more or less**  
**B. Communications Conduit, 1.25 inch - 56,000 linear feet, more or less**

Specifications:

- 1. Conduit shall be either Polyvinyl Chloride (PVC) conforming to NEMA TC-2 for electrical plastic conduit, EPC-80 or HDPE conforming to NEMA TC-7, EPEC 80.
- 2. Orange in color.
- 3. Bid price shall include delivery to one of the following County facilities / locations, determined by the County at time of order:
  - i. 18400 CR 50, New Paris, Indiana
  - ii. 610 Steury Ave., Goshen, Indiana



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- iii. 59308 C.R. 7, Elkhart, Indiana
- iv. CR 38 & CR 17 Truck Barn
- v. 21833 SR 120, Elkhart, Indiana

**PLEASE NOTE:** It is the responsibility of interested bidders to check the Elkhart County Highway website for updates ([www.elkcohw.org/bids/](http://www.elkcohw.org/bids/)).