



South Hadley Electric Light  
D E P A R T M E N T

### **Invitation for Bids**

**South Hadley Electric Light Department**

### **Fiber Optic Cable & Connectivity Bid #2020-H8**

Sealed bids for Fiber Optic Cable & Connectivity requirements will be received by South Hadley Electric Light Department, 85 Main Street, South Hadley, MA 01075 until the time specified below at which time the bids will be publicly opened and read.

The term of this contract is January 01, 2021 through December 31, 2021, with an option for SHELD to extend the contract for one year. Please include pricing for an additional year.

Bidders are to submit three (3) copies of the sealed bid to the Office of the General Manager before **1:00 PM on TUESDAY, NOVEMBER 10, 2020 EST**. Bids must be on the South Hadley Electric Light Department **Bid Form for Fiber Optic Cable & Connectivity** and *must be accompanied by the signed "Certification of Signature Sheet"*.

*Please mark envelopes: "Fiber Optic Cable & Connectivity Bid #2020-H8".*

Proposals will be opened in consecutive order commencing at **1:00 PM EST on November 10, 2020**. No fax or electronic bids will be accepted. All bids must be clear and legible in order to be considered.

The Invitation for Bid is also available on our website: [www.sheld.org](http://www.sheld.org), under "About", "RFP and Specifications". If you would prefer to have the bid package emailed to you, please contact Kim at [kmendoza@sheld.org](mailto:kmendoza@sheld.org).

For any questions or concerns regarding the Bid, please e-mail [kmendoza@sheld.org](mailto:kmendoza@sheld.org) .

The Municipal Light Board reserves the right to reject any or all bids that are not in the best interest of the Department.

Sean Fitzgerald, General Manager  
South Hadley Electric Light Department  
85 Main Street  
South Hadley, MA 01075

## CERTIFICATION OF SIGNATURE SHEET

The undersigned hereby certifies that under the penalties of perjury that his bid is in all respects bonafide, fair and made without collusion or fraud with any other person. As used in the subsection, the word "person" shall mean any natural person, joint venture, partnership, corporation or any other business entity.

The undersigned further certifies that under pains and penalty of perjury that to the best of my knowledge and belief, the vendor/contractor has filed all state tax returns and paid all state taxes required under law and has complied with all laws of the Commonwealth of Massachusetts relating to taxes.

COMPANY NAME AND ADDRESS:

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TELEPHONE AND FAX NUMBER:

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FEDERAL I.D. NUMBER:

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DATE: \_\_\_\_\_

\_\_\_\_\_  
Signature of Corporate or Company Officer

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Email Address

**IF THE REMIT ADDRESS IS DIFFERENT THAN THE ADDRESS TO WHERE THE PURCHASE ORDERS ARE MAILED, PLEASE ENTER BELOW:**

Remit to:

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**Approval of this contract will not be granted unless this certificate clause is signed by the applicant. This request is made under the authority of Mass. G.L. c. 62C S. 49A.**

**SOUTH HADLEY ELECTRIC LIGHT DEPARTMENT**

**TERMS AND CONDITIONS**

**FOR 2021 FIBER OPTIC CABLE & CONNECTIVITY**

The Terms and Conditions listed below may or may not apply to this procurement.

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1. **Preparation of Bids**

These Specifications cover the Department's requirement for fiber optic cable and connectivity. The quantities of each item are the expected requirement for the term of this bid. The Department does not guarantee to purchase any minimum quantity. The Department also reserves the right to increase the purchase quantities during the term of this bid and the successful bidder agrees to maintain the unit or item price.

2. **Bid Form**

Bids will not be accepted in any other form that is not accompanied by a SHELDT FO Cable & Connectivity Bid Form. All bids must be submitted **in triplicate (original with 2 copies)**. Items quoted that are not in complete accordance with the Specifications must be clearly labeled as alternates and illustrations to verify their equivalency must be included.

All information, including item price and delivery time that will be used in awarding the contract(s) must be referenced on the Bid Form. Any additional information or explanation of terms may be attached but will not supersede the Bid Form or the Department's terms and conditions.

All prices listed on the Bid Form are to be net, including any prompt payment discounts. Statements requiring group purchases will not be accepted. All bid figures will be typed and priced on a per unit basis. All prices are firm for orders issued within the period noted on the Bid Form. It is not required to bid on every item.

Bids will be considered even if they do not include each type or style of material. All bids will be based upon an item number and awards may be made on an item basis.

3. **Delivery**

Delivery shall be at the expense of the Bidder to 85 Main Street, South Hadley, MA 01075. Deliveries are accepted Monday through Friday between 8:00 a.m. - 12:00 p.m. and 1:00 p.m. - 3:00 p.m. only. The Department is closed on Holidays. A 24-hour notice is to be given if unloading assistance is required.

4. **Guarantee**

The Bidder shall guarantee all material against defects in design, materials, and workmanship and shall also guarantee that the material shall give successful service under the required conditions.

The material shall be manufactured, tested, and meet all applicable industry, Federal and State standards.

5. **Award**

The Department will make a comparison of all properly received, qualifying bids for material based upon unit price and delivery date. Bidders' attention is directed to the policy of the Department to support, whenever possible, American industries. Notification of award will be made in the form of a purchase order for a particular item. No material will be accepted until a purchase order has been issued.

All items must be received by the South Hadley Electric Light Department within the specified delivery date of the bid, ARO, unless a longer delivery time has been agreed to in advance. Excessive delivery time is a factor in the award. The Vendor shall impose no penalties for cancellation of any order that was not received by the South Hadley Electric Light Department within the specified time.

6. **Contract and Payment Terms**

The successful Bidder shall agree that the following shall constitute the entire contract:

- 1) The completed bid form submitted by the Vendor shall be considered the offer; and
- 2) The Department's purchase order for each bid item will be considered the acceptance of the Vendor's offer; and
- 3) The terms and conditions contained within these specifications.
- 4) The term of this contract will be for one year, with an option for SHELDT to extend the contract for a one year. Please include pricing information for an additional year.

No other terms, conditions, or agreements shall be considered part of this contract unless agreed to in writing by both parties. The Department's contract shall be with the Vendor submitting the bid and not with any third party. No portion of the bids shall be sublet to any other Vendor without prior written approval of the Department.

The Department agrees to pay the Bidder in full within 30 days after delivery and acceptance of the material.

Massachusetts Tax Exempt Purchaser Certificate No. 046-001-303.

7. **Bids**

The Municipal Light Board hereby reserves and retains the right to reject any and all proposals that, in their opinion, are not in the best interest of the South Hadley Electric Light Department.

All bids (3 copies) must be submitted in a SEALED envelope plainly marked:  
***"Fiber Optic Cable & Connectivity Bid #2020-H8"***

8. **Mass. Tax Laws**

The Bidder certifies that he has complied with all Mass. Tax Laws, (CH 62C SEC 49A).

**PRICING NON ADSS LOOSE TUBE TYPE CABLE:**

ITEM #	ITEM DESCRIPTION	QTY.	UNIT PRICING (\$/FT)	TOTAL PRICE	MANUFACTURER & CAT. #	REEL DIMENSIONS	DELIVERY (WKS)
<b>A. FIBER OPTIC CABLE:</b> <i>Cut price from supplier master reel</i>							
2107	12 SM Corning Cable, Non-Armor	20,000			012ZU4-T4F22D20	84" x 48"	
2108	24 SM Corning Cable, Non-Armor	20,000			024ZU4-T4F22D20	72" x 44"	
2109	48 SM Corning Cable, Non-Armor	20,000			048ZU4-T4F22D20	66' x 44"	
2110	72 SM Corning Cable, Non-Armor	20,000			072ZU4-T4F22D20	60" x 44"	
2111	96 SM Corning Cable, Non-Armor	20,000			096ZU4-T4F22D20	60" x 44"	
2112	144 SM Corning Cable, Non-Armor	20,000			144ZU4-T4F22D20	60" x 44"	
2113	288 SM Corning Cable, Non-Armor	20,000			288ZU4-T4F22D20	84" x 48"	

**PRICING NON ADSS LOOSE TUBE TYPE CABLE:**

ITEM #	ITEM DESCRIPTION	QTY.	UNIT PRICING (\$/FT)	TOTAL PRICE	MANUFACTURER & CAT. #	REEL DIMENSIONS	DELIVERY (WKS)
<b>B. FIBER OPTIC CABLE:</b> <i>Direct from Manufacturer-20,000 ft reel</i>							
2107	12 SM Corning Cable, Non-Armor	20,000			012ZU4-T4F22D20	84" x 48"	
2108	24 SM Corning Cable, Non-Armor	20,000			024ZU4-T4F22D20	72" x 44"	
2109	48 SM Corning Cable, Non-Armor	20,000			048ZU4-T4F22D20	66' x 44"	
2110	72 SM Corning Cable, Non-Armor	20,000			072ZU4-T4F22D20	60" x 44"	
2111	96 SM Corning Cable, Non-Armor	20,000			096ZU4-T4F22D20	60" x 44"	
2112	144 SM Corning Cable, Non-Armor	20,000			144ZU4-T4F22D20	60" x 44"	
2113	288 SM Corning Cable, Non-Armor	20,000			288ZU4-T4F22D20	84" x 48"	

1. ALL Quantities listed above are per reel lengths and shall be considered typical but not guaranteed, no alternate will be accepted,

2. Manufacturer/bidder shall detail policy on shipping charges, including minimum dollar amount to qualify for freight to be included

**PRICING CONNECVITY:**

**CORNING FDC ITEMS:**

	QTY	UNIT PRICE	DELIVERY WEEKS	TOTAL PRICE
2200 - Item #VCAPS20T1UC131UC00 LS Series OptiText LCP 288 Fiber, Almond, OUT A MOUNT, SC APC (standard),T,FEEDER: 24 Fiber cable 31 m (100ft),No pass-through fibers, DISTRIBUTION: One cable (standard) 288 Fiber RD ALTOS LT Armor Lite 31M (100ft), SPLITTER: None (standard) No module	6	\$_____	_____	\$_____
2201 - Item #WMB4CC6CA6C11132 LS Series 1x32 Coupler/Splitter Module for OptiText LS Local Convergence Cabinet, SCAPC connectors	47	\$_____	_____	\$_____

**CORNING MST- 4 Port**

	QTY	UNIT PRICE	DELIVERY WEEKS	TOTAL PRICE
2208 - TERMINAL 4 PORT 50' SCAPC SM OPTISHEATH - M0B-0444FD050FW-P	50	\$_____	_____	\$_____
2209 - TERMINAL 4 PORT 100' SCAPC SM OPTISHEATH - M0B-0444FD100FW-P	50	\$_____	_____	\$_____
2210 - TERMINAL 4 PORT 150' SCAPC SM OPTISHEATH - M0B-0444FD150FW-P	50	\$_____	_____	\$_____
2253 - TERMINAL 4 PORT 300' SCAPC SM OPTISHEATH - M0B-0444FD300FW-P	50	\$_____	_____	\$_____
2212 - TERMINAL 4 PORT 500' SCAPC SM OPTISHEATH - M0B-0444FD500FW-P	50	\$_____	_____	\$_____
2252 - TERMINAL 4 PORT 750' SCAPC SM OPTISHEATH - M0B-0444FD750FW-P	50	\$_____	_____	\$_____
2221 - TERMINAL 4 PORT 1000' SCAPS SM OPTISHEATH - M0B-0444FDA00FW-P	50	\$_____	_____	\$_____
2222 - TERMINAL 4 PORT 1500' SCAPC SM OPTISHEATH - M0B-0444FDF00FW-P	25	\$_____	_____	\$_____
2213 - TERMINAL 4 PORT 2000' SCAPC SM OPTISHEATH - M0B-0444FDL00FW-P	6	\$_____	_____	\$_____

**PRICING CONNECVITY:**

**CORNING MST- 8 Port**

	QTY	UNIT PRICE	DELIVERY WEEKS	TOTAL PRICE
2223 - TERMINAL 8 PORT 50' SCAPC SM OPTISHEATH - M0B-0844FD050FW-P	50	\$ _____	_____	\$ _____
2214 - TERMINAL 8 PORT 100' SCAPC SM OPTISHEATH - M0B-0844FD100FW-P	50	\$ _____	_____	\$ _____
2224 - TERMINAL 8 PORT 150' SCAPC SM OPTISHEATH - M0B-0844FD150FW-P	50	\$ _____	_____	\$ _____
2254 - TERMINAL 8 PORT 300' SCAPC SM OPTISHEATH - M0B-0844FD300FW-P	50	\$ _____	_____	\$ _____
2225 - TERMINAL 8 PORT 500' SCAPC SM OPTISHEATH - M0B-0844FD500FW-P	50	\$ _____	_____	\$ _____
2240 - TERMINAL 8 PORT 750' SCAPC SM OPTISHEATH - M0B-0844FD750FW-P	50	\$ _____	_____	\$ _____
2216 - TERMINAL 8 PORT 1000' SCAPS SM OPTISHEATH - M0B-0844FDA00FW-P	50	\$ _____	_____	\$ _____
2250 - TERMINAL 8 PORT 1500' SCAPC SM OPTISHEATH - M0B-0844FDF00FW-P	25	\$ _____	_____	\$ _____
2226 - TERMINAL 8 PORT 2000' SCAPC SM OPTISHEATH - M0B-0844FDL00FW-P	6	\$ _____	_____	\$ _____

**CORNING MST- 12 Port**

	QTY	UNIT PRICE	DELIVERY WEEKS	TOTAL PRICE
2217 - TERMINAL 12 PORT 50' SCAPC SM OPTISHEATH - M0B1244FD050FW-P	1	\$ _____	_____	\$ _____
2227 - TERMINAL 12 PORT 100' SCAPC SM OPTISHEATH - M0B1244FD100FW-P	1	\$ _____	_____	\$ _____
2228 - TERMINAL 12 PORT 150' SCAPC SM OPTISHEATH - M0B1244FD150FW-P	1	\$ _____	_____	\$ _____
TERMINAL 12 PORT 250' SCAPC SM OPTISHEATH - M0B1244FD250FW-P	1	\$ _____	_____	\$ _____
2229 - TERMINAL 12 PORT 500' SCAPC SM OPTISHEATH - M0B1244FD500FW-P	1	\$ _____	_____	\$ _____
TERMINAL 12 PORT 750' SCAPC SM OPTISHEATH - M0B1244FD750FW-P	1	\$ _____	_____	\$ _____
2219 - TERMINAL 12 PORT 1000' SCAPC SM OPTISHEATH - M0B1244FDA00FW-P	1	\$ _____	_____	\$ _____
2230 - TERMINAL 12 PORT 1500' SCAPC SM OPTISHEATH - M0B1244FDF00FW-P	1	\$ _____	_____	\$ _____
2231 - TERMINAL 12 PORT 2000' SCAPC SM OPTISHEATH - M0B1244FDL00FW-P	1	\$ _____	_____	\$ _____

## PRICING CONNECTIVITY:

### CORNING ITEMS:

	QTY	UNIT PRICE	DELIVERY WEEKS	TOTAL PRICE
2217 - TERMINAL 12 PORT 50' SCAPC SM OPTISHEATH – M0B1244FD050FWP	1	\$ _____	_____	\$ _____
ROC™ OptiTap® Drop Cable Assembly with FastAccess® Technology, 900 µm				
2232 - ROC™ OptiTap® Drop Cable Assembly 004301EB49R100F-P	50	\$ _____	_____	\$ _____
ROC™ OptiTap® Drop Cable Assembly 004301EB49R250F-P	50	\$ _____	_____	\$ _____
ROC™ OptiTap® Drop Cable Assembly 004301EB49R500F-P	50	\$ _____	_____	\$ _____
ROC™ OptiTap® Drop Cable Assembly 004301EB49RA00F-P	50	\$ _____	_____	\$ _____
ROC™ OptiTap® Drop Cable Assembly 004301EB19R100F-P	25	\$ _____	_____	\$ _____
ROC™ OptiTap® Drop Cable Assembly 004301EB19R500F-P	25	\$ _____	_____	\$ _____
2400 - Fiber Transition Housing, FTH-76S, 1 OptiTap® #FHT-76S-A020F (Must Include Fibersonic Logo on FHT NID)	500	\$ _____	_____	\$ _____

## PRICING CONNECVITY:

### COMMSCOPE ITEMS:

		QTY	UNIT PRICE	DELIVERY WEEKS	TOTAL PRICE
<b>Splice Enclosures</b>					
2202 - FOSC 450-A4-4-NT-0-N0V		24	\$ _____	_____	\$ _____
2203 - FOSC 450-B6-6-NT-0-B3V		24	\$ _____	_____	\$ _____
2204 - FOSC ACC-450-D6-6-NT-0-D3V		24	\$ _____	_____	\$ _____
<b>Splice Trays</b>					
2205 - FOSC-A-TRAY-24-SMV60	EB063E-000	24	\$ _____	_____	\$ _____
2206 - FOSC-B-TRAY-24-SMV60	Z75279-000	24	\$ _____	_____	\$ _____
2207 - FOSC-ACC-D-TRAY-72-SMV60	JL0937-000	24	\$ _____	_____	\$ _____
<b>Drop Seal Kits</b>					
2524 - FAK-MULDRP-45ASEAL-FLAT4	187312-000	20	\$ _____	_____	\$ _____
2404 - FAK-MULDRP-45-SEAL-FLAT4	CZ3388-000	20	\$ _____	_____	\$ _____



## PRICING CONNECVITY:

### CORNING ITEMS:

Description	Part Number	QTY	UNIT	LEAD TIME	TOTAL PRICE
4 rack unit, 144 fiber housing, 12 connectors per panel, SC APC, 16-meter stub, ALTOS loose tube riser, gel free, (OS2)	<b>ECLE41612D9-U7001B</b>	12			
4 rack unit, 144 fiber housing, 12 connectors per panel, SC APC, 23-meter stub, ALTOS loose tube riser, gel free, (OS2)	<b>ECLE42312D9-U7001B</b>	12			
The Closet Distribution Frame is a 19" 7-ft black aluminum frame with 1.75-in EIA/TIA hole spacing. With a pre-installed jumper trough mounted at the top of the frame, it has a total of 44 rack spaces.	<b>CDF-ER-7A-19</b>	9			
CDF IBU Storage Unit for 19" frame	<b>CDF-IBU-7-6</b>	12			
Eclipse® Frame, 7 ft with top & bottom shelves, 19in wide, Zone 4 Rated; EIA Rail hole pattern, (17.75" between rails)	<b>ECL-BAY-7-Z4</b>	9			
Eclipse® Inter-bay storage unit, dual sided with mandrels	<b>ECL-IBD-7-1</b>	12			
Low density OSE, space for 12 OSE splice trays. (10) 1.375in, (4) 1.750in entry ports per plate, stacker for OSE splice trays, with work shelf, standard cable entry, no lock	<b>OSE-LD0-W0-1</b>	12			
High density OSE, space for 30 OSE splice trays. (4) 1in, (15) 1.375 in, and (4) 1.9375in entry ports per plate, stacker for OSE splice trays, with work shelf, standard cable entry, no lock	<b>OSE-HD0-W0-1</b>	12			
48F Single Fiber Heat Shrink Fusion Splice Tray	<b>OSE-ST-6</b>	250			
108f Single fiber heat shrink splice tray	<b>OSE-ST-9</b>	100			
OSE Cable Entry Kit .375 to .5 in OD, 1.375in knockout	<b>OSE-CBL-34</b>	12			
OSE Cable Entry Kit .5 to .625 in OD, 1.375in knockout	<b>OSE-CBL-35</b>	12			
OSE Cable Entry Kit .625 to .75 in OD, 1.375in knockout	<b>OSE-CBL-36</b>	12			
OSE Cable Entry Kit .75 to .875 in OD, 1.375in knockout	<b>OSE-CBL-37</b>	12			
OSE Cable Entry Kit .875 to 1 in OD, 1.375in knockout	<b>OSE-CBL-38</b>	12			
OSE Cable Entry Kit 1 to 1.25 in OD, 1.75in knockout	<b>OSE-CBL-39</b>	12			
OSE Cable Entry Kit 1.25 to 1.375 in OD, 1.937in knockout	<b>OSE-CBL-40</b>	12			
OSE Cable Entry Kit 1.375 to 1.5 in OD, 1.937in knockout	<b>OSE-CBL-41</b>	12			

**Optical Splice Enclosures:**

	QTY	UNIT PRICE	DELIVERY WEEKS	TOTAL PRICE
Corning Ultra – Ultra High Density (With Fusion Splice Trays)	1	\$_____	_____	\$_____
Cable Entry Kit: 003-1036-AEN	1	\$_____	_____	\$_____
Corning Ultra – High Density	1	\$_____	_____	\$_____
Cable Entry Kit: 003-354-AEN	1	\$_____	_____	\$_____
Corning Ultra – Low Density	1	\$_____	_____	\$_____
Cable Entry Kit: 003-354-AEN	1	\$_____	_____	\$_____