

**APPENDIX A**  
**Description of Materials, Supplies, Equipment and Bid Price**

**Contractor** \_\_\_\_\_

**SCHEDULE OF ITEMS**

**The Department will reject bids if any one of the following occurs:**

- a) the Bid is not Delivered to the precise location and by the precise time set forth in the Notice to Contractors or any applicable Bid Amendment,
- b) the Bid is not signed, or
- c) the unit price for any item is not provided or is unreadable.

**Do not make handwritten changes to the bid documents.**

The Bidder will have no opportunity to cure the above Non-Curable Bid Defects. For clarification, questions, comments/recommendations use the “Request for Information” form as directed in the Bid Book instructions. For a related provision see Standard Specification, Section 102.11 – Bid Responsiveness.

**Section 0001**

Item Description	Approx. Quantity and Units	Unit Price	Bid Amount
<b>Standard Aluminum Light Pole 40 Foot</b>	<b>30 EA</b>	\$	\$
<b>TOTAL</b>			\$

\_\_\_\_\_  
*Print Respondent's Name and Title)*

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Date*

**Maine Business and Economic Impact Consideration:**

The Maine Business and Economic Impact Consideration for this Bid will be scored based on the information provided by Bidders in the Maine Business and Economic Impact Consideration and the point allocations.

Bidder shall indicate their Maine business and economic impact by completing the questions below on the “Maine Business and Economic Impact” section. The Bidder shall not make variations or alterations when responding to these questions. The use of this information in making contract award decisions is required in accordance with Executive Order 2017-003, which states “Evaluators of competitive bids for goods and services shall give consideration to the investment in the State by business enterprises as a best-value criterion. Consideration for Maine business enterprises may result in low cost or top scoring bids not being considered as the best-value for the State of Maine.”

**Section 0002**

<b>Maine Business and Economic Impact</b>	<i>Circle one answer for each row</i>		
% of employees, which are Maine Residents	0 0 points	1 – 74% 1 points	75 – 100 % 2 points
% of payroll paid to Maine Residents last calendar year	0 0 points	1 – 74% 1 points	75 – 100 % 2 points
Bidder currently pays Maine Income or corporate taxes		No 0 points	Yes 2 points
Bidder currently pays property taxes to government entities in Maine		No 0 points	Yes 2 points
Bidder currently purchases services and/or supplies from Maine businesses		No 0 points	Yes 2 points

\_\_\_\_\_  
*(Print Respondent’s Name and Title)*

\_\_\_\_\_  
*(Signature)*

\_\_\_\_\_  
*(Date)*

### Description

The Contractor shall furnish and deliver the materials listed in the Schedule of Items in this Appendix in accordance with the contract documents. The poles must meet the requirements of this Contract including the specifications shown below and the State of Maine, Department of Transportation, Standard Specifications, November 2014 Edition.

The delivery shall be 30 poles.

### Specifications for Standard Aluminum Light Poles

Poles shall be 40' feet long with a cast aluminum anchor base. The aluminum round shaft shall be 9" O.D. at the base end and at 4 1/2" O.D. at the top end. The shaft shall have a minimum wall thickness of 0.188. The anchor base shall have 4 oval slots with a bolt circle range than can accommodate an anchor bolt circle of 12" diameter minimum to a 14 1/4" diameter maximum. The anchor bolts by others are expected to be 1" diameter. The pole shaft shall be fabricated from Aluminum Alloy 6063-T4 with a finish of 100 Grit Satin Polish and the assembly heat treated to a T-6 condition after welding. A vibration dampener shall be factory installed 24'-0" from the butt of the pole. Included in the design shall be a 4" X 6" reinforced handhole opening with 5/16"-18 hole for a ground connector and a flush fitting aluminum door. The aluminum poles shall be equipped with a vertical Tenon Top which will be 4" in length and a 2-3/8", outside diameter (2" pipe I. D. with 3/16" wall).

Poles shall be designed in accordance with 2013, or later, AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. Rating considerations will be: 3-Second Gust Wind Speed of 100 MPH, Luminaire has a EPA of 5.0 square feet with a weight of 60 lbs. and considered to have a 25 Year Design Life. Minimum design default values for these poles shall be:  $I_r = 0.87$ ;  $C_v = 0.93$ ;  $G = 1.14$ ;  $K_z =$  as specified in Table 3.8.4-1 in the above AASHTO specification. Deflections of the light poles shall be limited as follows:

(A) The pole shall be able to support a 500-lb. transverse load, applied at 18" below the pole top with a maximum deflection of 5% of the nominal pole length.

OR

(B) Use a computer simulation (or detailed computation) using full design load as specified the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals (2013 or later) to establish a maximum of 7% deflection of the nominal pole length.

Apparent low bidder shall submit, prior to award, a set of drawings of all standards and accessories proposed to be furnished under this contract. Each drawing shall contain a reference to the design criteria and a certification that the design criteria have been met for the poles, associated hardware and fittings. A Licensed Professional Engineer shall sign the certification under their official seal.

Fabrication of poles shall be in compliance with Subsection 720.01 Aluminum Supports of the Standard Specifications unless otherwise noted above.

The luminaire mounting height shall be defined and measured as the distance of the center of the luminaire to one of the following:

- (A) For Bridges over bodies of water; Above the prevailing water level or, in the case of tidal waters, above mean high tide.
- (B) For Overpass Structures; Above the lower roadway.
- (C) For Approach Ramps; Above the adjacent ground level, if said ground level is more than 10 feet below the base of the pole.

For this Contract, the luminaire mounting height is: 40 feet.

Deflections of the light poles shall be limited as follows:

- (C) The pole shall be able to support a 500-lb. transverse load, applied at 18" below the pole top with a maximum deflection of 5% of the nominal pole length.
- OR
- (D) Use a computer simulation (or detailed computation) using full design load as specified the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals (2013 or later) and the above parameters to establish a maximum of 7% deflection of the nominal pole length.

### Delivery

The Contractor shall deliver the poles to the MaineDOT facility at 121 Leighton Road, Augusta, Maine.

The Contractor shall deliver the 30 poles within twelve weeks of award. The Contractor shall notify MaineDOT, Chip Kelley, Traffic Operations Manager of Region #86, 207-624-3575 or cell phone 207-557-2258 a minimum of 48 hours prior to delivery. Alternative contacts are: Mike Eaton @ (207) 215-4975, Ron Cote @ (207) 446-2305. The Contractor shall deliver the materials only during the following times: Monday through Friday, 7:00 AM through 3:30 PM except for

they may not deliver on Maine State Government holidays, or government closure days. The Department will off-load the materials at the delivery site.

Contract Administrator

The contract administrator for this contract will be:

Name: Chip Kelley  
Title: Traffic Operations Manager  
Address: Maine Department of Transportation  
16 State House Station Road, Augusta, ME 04333-0016

Invoices and Payments The Contractor shall submit an itemized bill to the Department for materials following delivery for approval and payment. At a minimum, invoices shall include the following information:

Contractor name, address & Contract Number  
Invoice Date & Number  
Dates of Delivery  
Items and quantities

The Department will pay based upon the materials delivered at the prices bid and the invoices approved. Payments to the Contractor shall be full compensation for furnishing all labor, equipment, materials, services, and incidentals used to supply the materials under the Contract in a complete and acceptable manner, and for all risk, loss, damage, or expense of any kind arising from the nature or prosecution of the Work. The Department may withhold payments claimed by the Contractor on account of incomplete or incorrect invoices or materials that are defective or not in conformance with the contract.

Material Quality Materials and manufactured products shall be new unless otherwise specified, free from defect, and in conformity with the contract. If there is no applicable standard set forth in this Contract for a particular item, then the item shall be in accordance with industry standards prevailing at the time of bid. The Department has the authority to inspect all Materials and every detail of the Work. The Department may reject the finished product if any of the components do not comply with the specifications. The Department may reject materials not conforming to the Specifications at any time.

Scoring

The Bids will be scored on the basis of the following weighted criteria:

Criteria	Weight
1. Price	90%
2. Economic Impact within the State of Maine	10%

The scoring formula for price is: (Lowest submitted cost bid / Cost of bid being scored) x 90 = pro-rated score. The contract award will be made to the bidder whose Bid receives the Committee’s highest score following the final review.

**Maine Business and Economic Impact Consideration:** The Maine Business and Economic Impact Consideration for this Bid will be scored based on the information provided by Bidders in **Appendix A**, Maine Business and Economic Impact Consideration and the point allocations.

Bidder shall indicate their Maine business and economic impact by completing the questions found on the **Maine Business and Economic Impact - Bidder Information** section found in the Schedule of Items section in Appendix A. The Bidder shall not make variations or alterations when responding to these questions. The use of this information in making contract award decisions is required in accordance with Executive Order 2017-003, which states “Evaluators of competitive bids for goods and services shall give consideration to the investment in the State by business enterprises as a best-value criterion. Consideration for Maine business enterprises may result in low cost or top scoring bids not being considered as the best-value for the State of Maine.”