

Delaware Department of Transportation

QUESTIONS AND ANSWERS

T201509002.01

Yellow highlighting = previous questions answered in this posting: Q5 through 9.

I-95/I-295/1-495 INTERSTATE HIGH MAST LIGHTING IMPROVEMENTS, NEW CASTLE COUNTY

Monday, May 23, 2016

Q #	Question	Answer
12	Can a pay item be added for: Initial Expense?	Item 763000 – Initial Expense will be added to Addendum #2
11	There is no detail on the ladder requirements. Would an industry standard galvanized ladder be acceptable, or can more information be provided.	Refer to Special Provision 746625 – Electrical Manhole for additional ladder requirements. Ladders shall be aluminum.
10	Item# 746625 Electrical Manhole: The detail on sheet #18 of 25 delineates a manhole outside the normal manufacturing parameters of the pre-cast industry and would require a special "one-off". Can a standard size manhole of similar "but not exact" size be acceptable, especially considering the very short project duration?	A standard size manhole meeting the minimum dimensions indicated on the plans is acceptable.

Thursday, May 19, 2016

9	Is it acceptable for a mfg to propose and design based on an alternate base plate 50,0000 psi? (Material would remain A572).	A high mast pole base plate design using 50,000 psi yield strength is acceptable as long as the material is A572.
8	There is a discrepancy in the description of Bid Item 746627 between the Bid Form and the Special Provisions & Drawings. Bid form Line 0300 Lists item 746627 as 1/C #2 15KV EPR, and the Special Provisions for this item (page 108) lists it as 1/C #1/0 15 KV EPR. The Plans (sheets 4, 5, & 6) also show it as #1/0 15 KV EPR. Please clarify.	The conductor size should be #1/0 AWG in the Bid Tab description. This will be added to Addendum #2.
7	Specification page 105, 746626 High Mast Light Pole under materials in paragraph 1 indicates the handhole shall be a minimum of 10" wide by 30" tall. If this minimum is required, per AASHTO 2013, Section 5.14.6.2 the handhole cannot be more than 40 per cent of pole diameter and therefore the bottom diameter of the pole must be a minimum of 25" diameter. Is this what you want and are requiring?	A 10" wide by 30" tall handhole is required. The handhole design relative to the diameter of the pole should be determined following AASHTO 2013 Section 5.14.6.2 Reinforced Holes and Cutouts as noted in the question. It is important to note that the maximum cutout size of 40% of the pole diameter is taken from the tube diameter at that section (i.e. at the handhole location) so the taper of the pole must also be considered.

Q #	Question	Answer
6	Specification page 104, 746626 High Mast Light Pole under materials in paragraph 2 indicates the pole is to be designed per AASHTO 2013. What fatigue category is required?	High mast light poles shall be designed to Category 1 for fatigue based on location of the structures relative to the roadway.
5	Is there any possibility of having the job performance time extended as we don't feel this is sufficient time to complete the project. If it is not going to be extended than we won't be bidding the project.	The Department believes the work can be accomplished in the time set forth and prospective bidders should take the schedule time into account. It is suggested that bidders familiarize themselves with the Delaware Department of Transportation Standard Specifications (August 2001), including all Supplemental Specifications to date, specifically Section 108.04 Contractor's Resources; Progress Schedules and Section 108.07 Extensions of Contract Time; Weather Delays.

Tuesday, May 17, 2016

4	I just revisited the site, end to end. Very difficult, heavy traffic. Need to reconsider the time frame.	See response to Question #3.
3	Why is the performance time so short, heading into Fall? With deliveries and manufacturing time, the 124 days is unrealistic. Are there liquidated damages?	The Department believes all the work can be accomplished within this time frame. The Shop Drawings required prior to fabrication will be requested from the contractor at time of contract execution. It is suggested that bidders familiarize themselves with the Delaware Department of Transportation Standard Specifications (August 2001), including all Supplemental Specifications to date, specifically Section 108.07 Extensions of Contract Time; Weather Delays and Section 108.08 Failure to Complete on Time.

Wednesday, May 11, 2016

2	What is Del Dot's standard high mast system & light fixture loading and EPA for high pole design criteria?	The contractor's high mast light pole design shall consider a high mast lowering system weighing 250 pounds with an effective projected area (EPA) of 5.62 square feet and a quantity of 8 luminaires each weighing 92 pounds with an EPA of 1.78 square feet each.
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Q #	Question	Answer
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Thursday, April 28, 2016

1	<p>Please verify which is correct. In the items list: 0230 - #746517 Aluminum Lighting Standard w/ Single Davit Arm, 30' Pole On the Lighting Plan: Drawings P. 15 & 16 Lighting Standard Schedule 40' Pole Height</p>	<p>Item 746517 will be replaced with Item 746519 on Addendum #1.</p>
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