

Delaware Department of Transportation

QUESTIONS AND ANSWERS

T201507402.01

BR 1-714 ON N347 CHAPMAN ROAD OVER I-95

Thursday, October 31, 2019

Yellow highlighting = previous questions answered in this posting: n/a

Note revised Answers to the following questions: Q5 through 8

Q #	Question	Answer
44	<p>DelDOT has three jobs bidding 11-5-19. I-95 2ND Street ramp and Chapman Road are both complicated jobs. We understand the 2ND Street job is more time sensitive since it's related to the I-95 rehab job.</p> <p>We are requesting that DelDOT not bid both bridge jobs on the same day.</p>	<p>The bid date will not be changed for Chapman Road.</p>

Thursday, October 24, 2019

43	<p>In the Department's response to question #26, it was stated that Electronic files will be made available; however none have been provided. Can the Department please provide.</p>	<p>The archived plans have been posted to the website.</p>
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Wednesday, October 23, 2019

42	<p>Regarding the answers to questions 21 & 22 – Please verify the quantity of Item 610008 & 610018. It appears that the quantity for the Moment Slab has been inadvertently included in Item 610008 instead of 610018.</p>	<p>The quantity for 610008 will be revised to 370 CY and the quantity for Item 610018 will be revised to 570 CY in forthcoming addendum.</p>
41	<p>Can you please verify if the temporary impact attenuators (Item 1180 for quantity of 3) will be required to meet NCHRP 350 or MASH approval?</p>	<p>Yes. See response to Q32.</p>

Friday, October 18, 2019

40	<p>Is the chain link fence that is not going on the bridge black vinyl coated or hot dip galvanized?</p>	<p>Chain Link Fence shall be non-vinyl coated or galvanized and in accordance with the standard specifications and details.</p>
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Q #	Question	Answer
39	Is the safety bridge fence black vinyl coated or hot dip galvanized?	Bridge Safety Fence, Type 2 shall be PVC Coated as noted in the contract drawings and in accordance with the standard specifications and details.
38	Are there any anti-climb sections going on the safety fence?	Yes. Refer to the contract drawings and standard detail M-10 for additional information regarding the Bridge Safety Fence, Type 2.
37	Could we possibly obtain a more detailed drawing of the “safety fence type 2” & the “6’ high chain link fence”.	For Bridge Safety Fence Type 2, refer to select bridge sheets including but not limited to 54, 62, 90 and 98, which include note references to Standard Construction Detail M-10. For 6’ high Chain Link Fence, refer to Standard Construction Detail M-7.
36	Are we going to tie in the 6’ high fence to where the existing 8’ high fence meet?	The proposed fence should create an enclosure at the intersection with existing fencing to remain to eliminate any gaps or ingress/egress at these locations either by means of tying in or overlapping. Payment incidental to item 727008 – Bridge Safety
35	Will the 6’ high chain link fence have barbwire?	The proposed fence should be constructed in accordance with DelDOT Standard Construction Detail M-7.
34	Regarding Item 727557; Cantilever Slide Gate, 45’, the plans show a single frame gate. We are being told by several manufacturers that a 45’ gate is too long for a single frame and will need to be a box frame. Forty foot (40’) long appears to be the maximum for a single frame. Can you confirm this is true and if so, can the plans & specs be updated to reflect this? If not, can the Department provide a list of manufacturers that would be acceptable for use on this project?	A Single Cantilever Slide Gate comprised of box frame construction is acceptable for use at this location.

Q #	Question	Answer
33	Plan Sheets 12, 13, 15, 27, 28, 30, 67 and 68 indicate that soil borings were performed for the project. Can DelDOT please make these soil borings available to the bidding contractors?	Soil borings will be made available.
32	Can you please verify if the temporary impact attenuators (Item 1010 for quantity of 8) will be required to meet NCHRP 350 or MASH approval?	All attenuators regardless of mounting types must be MASH tested/accepted.
31	Item 727008 - Bridge Safety Fence, Type 2 - The typical sections note that the fence is PVC Coated. Please provide the color.	The color is black.
30	The answer to Question 12 states that 601130 has been added by addendum, but as of today, 10/15, no addendum has been issued. Please advise. Will the bid date be extended?	Addendum 1, posted on October 15, 2019 has added 601130. The bid date has been extended until November 5, 2019.
29	When does the Department plan to issue an Addendum revising the quantities of 605507 and 605508? Will the bid date be extended?	Addendum 1, posted on October 15, 2019 has revised quantities for 605507 and 605508. The bid date has been extended until November 5, 2019.
28	When does the Department plan to issue an Addendum removing item 202560? Will the bid date be extended?	Addendum 1, posted on October 15, 2019 has removed item 202560. The bid date has been extended until November 5, 2019.
27	Will DelDOT allow for the temporary closure at any point, of the rest area exit and entrance ramps in order to facilitate Steel Erection or Demolition?	Temporary closures of I-95 NB and SB are detailed on sheets 122 through 130.
26	Can DelDOT please provide electronic files to the bidders of the existing surface and proposed surface, because the earthwork summary, not taking into account the phasing, is basically worthless. It takes into account material which is "available for embankment" when that material is not available until the existing bridge has been removed. The Earthwork summary should take into account the phasing, and at a minimum, as requested to DelDOT several times, we need the electronic files to do our own takeoff.	Borrow Quantities included in the bid proposal account for the project phasing and the excavation available for embankment does not affect these items. Electronic files will and cross sections will be provided.

Q #	Question	Answer
25	The median moment slab plan view shown on Sheet 41 shows what appears to be dowels at the contraction joints. Are these in-fact dowels, and if so, what size and length. Are they to be smooth epoxy coated. How are they paid? Please provide more detail.	Yes, epoxy coated dowel bars should be located at the mid depth of the moment slab at a maximum of 12" spacing transversely. Bars should be 1 ½" x 18" (minimum) smooth epoxy coated dowel bars and payment will be incidental to Item 610018.
24	There is a detail for the Median moment slab and parapet wall on Sheet 41; however the plans do not indicate how these items and/or their reinforcement is paid. Please provide the appropriate pay items for this work to be bid under.	The moment slab concrete is to be paid under Item 610018 and the parapet concrete under Item 610008. All reinforcing is to be paid under item 611001.
23	There is a note on Sheet 25 under Section 600 that states, "An alternate slab placement plan may be permitted at the request of the contractor."; however the Contract Documents do not include a slab placement plan. Please advise if where this plan is located, or add this plan to the Contract.	Slab placement is to be conducted in a single placement per the plans. If the contractor would elect to place the slab in in more than one placement, said plan would need to be prepared and submitted by the contractor for approval.
22	Item 610018 - Portland Cement Concrete Masonry, Approach Slab, Class D – Includes approach slab and sleeper slab concrete. Includes thicker 2'-4" sidewalk section of the sleeper slabs (Section C-C on Sheet No. 59), excludes any parapet work.	Item 610018 includes the concrete for the approach slab (excluding sidewalk and parapet), the sleeper slab (including the 2' – 4" thickened sidewalk section), and the moment slab concrete (excluding parapet).
21	Item 610008 – Portland Cement Concrete Masonry, Parapet, Class A – Includes the parapet, sidewalk and moment slab concrete. Includes parapet and sidewalks on approach slabs.	Item 610008 includes the concrete for the sidewalk and parapet on the bridge and approach slabs, as well as the concrete for the parapet on the moment slabs.

Tuesday, October 15, 2019

20	Section 607 – Mechanically Stabilized Earth Walls states in basis of payment that excavation is included in the price and payment for MSE walls. Our takeoff for Item 202000 Excavation and Embankment is approximately half of the 9,500 CY bid quantity. When the excavation of the MSE walls is included, we can nearly match the bid quantity. Please clarify where the excavation for the MSE walls is paid.	The 202 quantity is correct as is and it does not include the MSE Wall excavation. The quantity includes additional excavation for the bonding benches detailed on sheet 22 of the plans. These benches are not depicted on the cross-sections posted for advertisement.
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Q #	Question	Answer
19	Will a pay item be added for the overhead sign panel that mounts on the new sign structure? Please see plan sheets 133, 135, and 138.	Pay items were added in Addendum No. 2.
18	What is the post spacing of the safety fence going on the bridge?	Per the Standard Construction Specs, the maximum spacing allowed is 10', and the post must be at least 6" from the end taper or at least 1' from a contraction or expansion joint in the barrier. Actual spacing will be shown on the shop drawings submitted by the fence manufacturer.
17	This project calls out 813500 PEDESTRIAN CHANNELIZING BARRICADE SYSTEM 83504.000 LFDY, but the plan call out 1500' of Type 2 Barricades. What is the difference? Are we bidding water filled or the "A" frame barricades?	The plan call out for Type 2 Barricades is paid for under Item 813500. Please review the item specification for product requirements.

Tuesday, October 15, 2019

16	Sequence Note 35 on Sheet 28 states to "Demolish Piers and Abutments to Approximately 3' below top of proposed grade." It is difficult to determine if the pier footers are in-fact 3' below proposed grade based on the as-builts. Additionally, portions of the pier footers along the I-95 roadway appear to be under the roadway shoulder. Is it the intent to leave the entire footers in place which are adjacent to the roadway and only remove the columns down to the top of footer?	The estimated depth between proposed grade and the top of the existing footers is approximately three feet or greater with the datum conversion. The intent is to remove the pier columns to approximately three foot below proposed grade and the footing should remain in place.
15	Will there be any soil disposal on this project? If so who will be responsible for handling this?	Soil disposal handling is spelled out in the standard specification and special provisions of the respective contract bid items.
14	What is paid for in item 202560 Contaminated Material? The special provisions state that all excavation is paid for in the standard excavation pay items, which seems to indicate that nothing is paid for in this item.	Item 202560 is a non-pay item that includes an Overview of Costs, both potential increases and potential reductions, associated with the potential of encountering contaminated soils.

Q #	Question	Answer
13	Where is item 601261 Galvanized Corrugate Steel Pipe, 15", 16 Gage, 2-2/3"x1/2" located? We can't find it in the plans.	Item 601261 is needed for the stabilized construction entrance at 23+15 LT as shown on the CSMOT plans.
12	Please add an item for 14"x23" RCP. There are two runs of this pipe size (No. 212 & 213), however there isn't an item in the project.	Item 601130 Reinforced Concrete Elliptical Pipe, 14"x23", Class V has been added by addendum.
11	Bridge Sheet BD-01, Section 600, paragraph 7. Structural Steel: sub paragraph 8, requires "Full Shop Assembly" of the entire structure and Bridge Sheet BD-21, Note 1. Requires crossframe detailing for "Total Dead Load Fit-up (TDLF)". Question: Can "shop assembly of the entire steel superstructure" be waived due to the difficulties for full shop assembly of the entire structure accounting for TDLF, compounded with a severe skew involved?	Full shop fit-up is prudent to assure fit-up during erection on job site for skewed or curved girder steel structures. This is of particular relevance to assure steel fit-up for girder erection over I-95. The same fit-up process, sequence, and girder support conditions are to be followed in the shop fit-up as proposed on-site. The shop erection is to serve as a "practice run" prior to the erection on site. In this way, the same "level of difficulty" in steel fit-up will be enacted both in the shop as on site.
10	Please direct me to the specs for the seeding referred to as Permanent Storm water Seeding, I have been unable to find them in the plans.	See Supplemental Specifications to the August 2016 Standard Specifications (Revised December 28, 2018) Section 908 – Soil Stabilization Practices.
9	Could you please verify the quantities for Items 605507 and 605508. The lengths of the four test piles shown on the plans are listed as approximately 130 LF. This would be 520 LF vs. the proposal quantity of 800 LF.	"The production pile length of 120' indicated in the plans already includes a 10' contingency and is applicable for both test and production piles. The Estimated Bridge Quantities will be updated to reflect a quantity of 240 LF for Items 605507 and 605508 for each bridge."
8	Line Item 0070 – CONTAMINATED MATERIAL has been set up as a Lump Sum item. The contractors bidding on the project have no way to quantify how many cubic yards of the excavation will be contaminated. This puts an unreasonable risk on the contractors. Can DelDOT please provide a quantity for the contaminated material to be included in the bid or revise the pay item to a cubic yard item with a contingent quantity?	Item 202560 is a non-pay item as mentioned in question 6. The spec explains how potential cost increases and reductions should be considered in the excavation pay items.

Q #	Question	Answer
7	Special Provision 202560 – CONTAMINATED MATERIAL states that no additional payment will be made for the handling of contaminated material included in the excavation quantities. There will be additional costs beyond the cost of regular excavation and embankment. It's unreasonable for DelDOT to require the contractor to perform work that they do not intend pay for. Can DelDOT please add a unit price item for this work?	Item 202560 is a non-pay item that includes an Overview of Costs, both potential increases and potential reductions, associated with the potential of encountering contaminated soils.
6	Special Provision 202560 – CONTAMINATED MATERIAL indicates that a copy of the “Contaminated Material and Water Removal Work Plan” is provided in the bid package. This plan does not appear to be included in the bid package documents. Can DelDOT please provide this work plan?	Item 202560 is a non-pay item. In the event that contaminated soils, contaminated groundwater and/or hazardous materials as a result of legacy land use/design are encountered during the construction of the project, The Department will provide the Contractor with a Contaminated Material and Water Management Plan. The Special Provision for 202560 spells out what is required of the contractor and what the Department is responsible for, but there are no changes in cost as a result of the contaminated material given what the Department is assuming responsibility for.
5	The PDF Proposal for the project does not have Line Item 0070 – CONTAMINATED MATERIAL, but the electronic file for Bid Express does. Is it DelDOT's intent that this item be part of the contract?	The Contaminated Material Spec for Item 202560 lists items of potential additional cost and items of reduced cost for the Contractor in the event there is contaminated soil. The Department's HazMat contractor will be responsible for testing the material and hauling/disposing the material if it is contaminated. The line item for Contaminated Material will be removed via addendum. No. The bid item for contaminated material was removed via Addendum No. 1. The special provision should remain as it explains the coordination required in the event that contaminated soil is excavated.
4	Is the temporary pavement shown on Plan Sheet No.118 paid for under Items 301002, 401029, 401030 and 401031?	That is correct.

Q #	Question	Answer
3	Can DelDOT please provide a typical pavement section for the shoulder paving on I-95 NB & SB?	The paving section for I-95 is already provided on sheet 22 of the construction plans.
2	The contractors will need the project cross sections to properly estimate the cost to perform the earthwork on this project. Can DelDOT please provide the cross sections?	The cross sections have been posted to the website.
1	The contractors will need the as-built bridge drawings to properly estimate the cost to demolish the existing bridge. Can DelDOT please provide the as-builts for the existing bridge?	The as-built drawings have been posted to the website.