

Delaware Department of Transportation

QUESTIONS AND ANSWERS

T202007301

REPLACEMENT OF BR 3-164 ON SR36 CEDAR BEACH ROAD

Tuesday, April 29, 2025

*Yellow highlighting = previous questions answered in this posting:
Q8, Q32-Q34, Q36-Q55, Q57-Q62
Q64-Q67, Q120*

Q #	Question	Answer
125	G&G Steel Question: The delivery requirement for steel replacement is 12 months per specification requirements. G&G Steel would like to request a minimum of 24 to 27 months for delivery of bascule steel span. Due to the complexity of project, we feel by extending the delivery requirement would be more feasible for contractors to bid the project at a competitive price for the Delaware Department of Transportation.	<i>Response forthcoming</i>
124	Under note 9 on Sheet S-73, we are directed to “see the ‘span balance’ item in the special provisions for balance calculations and balance testing procedures and acceptance criteria.” However, there appears to be no such item in the special provisions. Please provide a copy.	<i>Response forthcoming</i>
123	Why are some bid items listed as 24 months durations (like monthly schedule updates and the field office) if the project is must be completed in 417 days?	<i>Response forthcoming</i>
122	Please provide the prevailing wage rate for the Drawbridge Operator as no classification is provided.	<i>Response forthcoming</i>
121	Please provide the days of the week, months of the year, and daily hours of operation required for the bridge during the “Bridge Operation During Construction” period. Please clarify if there are “open on demand” requirements and/or “advance notice requirements”, etc.	<i>Response forthcoming</i>

Q #	Question	Answer
120	Due to the heightened complexity and wide-ranging scope of this project, please extend the Bid Date a minimum of two (2) weeks until May 20, 2025. Bidders and Subcontractors require significant additional time for sourcing of materials, logistics for delivery of materials to the site and installation, construction engineering for designs of temporary works, identification and procurement of DBE participation, etc. and especially considering the number of open questions to DelDOT.	The bid due date will be extended by two (2) weeks via an Addendum. The new bid due date is Tuesday, May 20, 2025 prior to 2:00 P.M
119	Please clarify as what Item(s) the work for the “3 Strand Tube Rail Barrier End Post & Moment Slab” as shown Construction Plan Sheet S-59 is/are measured and paid.	<i>Response forthcoming</i>
118	Please clarify as to where in the Construction Plans the work for Item 0370 PCC Masonry, Approach Slab, Class D is located.	<i>Response forthcoming</i>
117	Please clarify as to where in the Construction Plans the work for Item 0350 PCC Masonry, Parapet, Class A is located.	<i>Response forthcoming</i>
116	Please clarify where the 2-layer studs (shown on Sheets S-28 and S-31) should be installed when grouting the precast tub teams/caps. They are only shown atop some steel pipe piles in elevation view but sometimes their points are marked atop all the piles in plan view. It's unclear if these are just workings/reference points or if they are supposed to receive the inset stud.	<i>Response forthcoming</i>
115	Can the permanent sheet piles be used to form the temporary cofferdams before their permanent installation as part of the new bulkheads?	<i>Response forthcoming</i>
114	When and why are the temporary cofferdams are needed?	<i>Response forthcoming</i>

Q #	Question	Answer
113	<p>Drawing S-79 states that holes for CWT trunnion bearing are to be drilled in the field from solid. In addition, technical specification 615503 "Bridge Mechanical System" and Bid Proposal notes to bidders on Bascule Span Shop Fabrication, Shop Assembly, Field Erection and Alignment state that holes for trunnion bearing bases are to be drilled and reamed to full size following field alignment and acceptance by the engineer. Based on the bearing base details and bolt hole locations shown on drawing M-07, it is not possible to drill and ream any these holes as specified.</p> <p>Drilling from above will be obstructed by the body of the bearing; on the inboard side, drilling from above is further obstructed by the trunnion shaft. The interior of the trunnion tower does not provide adequate space for drilling from below. Please provide a revised detail with turned bolts positioned outside the body of the bearing, if the bearing design cannot be altered, incorporation of a baseplate may be required.</p>	<i>Response forthcoming</i>
112	Please provide the ASCII Data Files as described in General Note 2 on drawing S-01.	<i>Response forthcoming</i>
111	Referencing the Bridge 3-164 Quantities table on drawing S-02, Item No. 608049 for "Steel Sheet Piles, NZ 42", please confirm the method of measurement of the NZ sheet pile is based on the 2d surface of the sheets, not the 3d surface.	<i>Response forthcoming</i>

Q #	Question	Answer
110	The borings included in the contract drawings do not indicate any boulders or obstructions. Additionally, please note that In the DelDOT specification section 606.3.3 allows for compensation for hitting obstructions. Please refer to note 2 on drawings S-18 and S-19 which states "Existing obstructions may need to be removed by the contractor to install new sheeting". Please confirm this note is referring to obstructions in the surface layer that can be readily removed with excavation equipment. In the event an obstruction (boulder or similar) is encountered during installations of sheet pile, pipe pile or precast pile, at elevations deeper then 6ft from the surface, please confirm this would be considered a Differing Site Condition.	<i>Response forthcoming</i>
109	Please refer to "Project Specific Pile Notes" Note 2 on drawing S-15, "Estimated production pile length is 50'." On drawing S-14 the "Pile Data Table" provides estimated tip elevation and minimum tip elevation. Please confirm the contractor should rely on the information in the "Pile Data Table" on drawing S-14.	The estimated bid quantity shown are adequate for achieving the estimated tip elevation from the Pile Data Table on S-14 (Sheet No. 20) with a 5' allowance (per pile) for overdriving or cutoff.
108	Please refer to "Project Specific Pile Notes" Note 4 on drawing S-15, "Piles shall be driven to a bearing resistance of 340k using a resistance factor of 0.65." On drawing S-14 the "Pile Data Table" provides nominal driving resistance for each substructure unit. Please confirm the contractor should rely on the information in the "Pile Data Table" on drawing S-14.	<i>Response forthcoming</i>
107	Referencing the Bridge 3-164 Quantities table on drawing S-02, Item No. 909004 for "Turbidity Curtain, Floating" the anticipated quantity is 728 LF. On drawing CS-02 the installed quantity is detailed as 362 LF. Please explain why the anticipated quantity is double the installed quantity.	The bid quantity for Item Number 909004 assumes multiple installations of the turbidity Curtain shown on sheets CS-02 and the Construction Sequence drawings may be required.
106	Referencing drawing S-35, please provide the tide station used to establish the tides for this project. Please confirm MHHW is 2.48, MHW is 2.06, MLW is -2.57 and MLLW is -2.73.	The project's established tide datum is based on NOAA's Vertical Datum Transformation (Vdatum), which combines observed tidal data and hydrodynamic modelling, rather than relying on a single tide station. Tide values are correct as defined in the Plans.

Q #	Question	Answer
105	Referencing Drawing S-15, please confirm mechanical splicers are an acceptable alternate to full penetration butt welds. Please provide the minimum distance from pile splice to end of the pile.	<i>Response forthcoming</i>
104	Drawing S-15 shows a 10ft soil plug. Note 2 indicates the concrete core and rebar must be extended to the soil plug if it does not reach 10ft. Please provide a maximum length for the soil plug (or a minimum length for the concrete core and rebar). Please provide an acceptable means and method for excavating the excess soil from inside the pipe pile.	<i>Response forthcoming</i>
103	Referencing drawing S-09, please provide additional details, specifications and pay item for the drainage pipe shown in Detail 1. At a minimum diameter, material, spacing and length.	Assume 3" diameter scheduled 40 PVC drain pipes spaced at 10' maximum. The pipe shall project 3" from each side of the sheet pile. The cost of the PVC drain pipe shall be incidental to the Sheet Pile Wall Tie-Back System bid item (608030).
102	Referencing the Bridge 3-164 Quantities table on drawing S-02, Item No. 605202 for "Dynamic Pile Testing by Contractor for Restrike or Production Pile", please confirm this bid item is compensation for restriking the 14" sq ps pc pile as described in the construction	Restrikes for the 14" square prestressed precast concrete piles would be included in item 605202.
101	Referencing the Bridge 3-164 Quantities table on drawing S-02, Item No. 605202 for "Dynamic Pile Testing by Contractor for Restrike or Production Pile" has a quantity of 6 ea. Based on the bid quantity of 6 please confirm the plan is to restrike the two 14" ps pc test pile and the four 48" steel pile test pile.	Anticipated restrikes with dynamic tests may be estimated to be two (2) tests for 14" PSPC piles and four (4) tests for 48" steel pipe piles, however restrikes shall be performed as needed and as accepted by DelDOT.
100	Referencing the Bridge 3-164 Quantities table on drawing S-02, Item No. 605201 for "Dynamic Pile Testing by Contractor for Test Pile Initial Drive" has a quantity of 6 ea. Based on drawing S-14, please confirm the following. Please confirm there are 2 test pile for 14" ps pc pile. Please confirm there are 4 test pile for the 48" steel pipe pile. Please confirm there are 0 test pile for the 36" steel pipe pile.	There are two (2) test piles for the 14" PSPC piles, four (4) test piles for the 48" steel pipe piles, and zero (0) test piles for the 36" steel pipe piles.

Q #	Question	Answer
99	The top of the excavation slope required to reduce the lateral loads on the abutments is 25ft behind the proposed abutments (see detail 1 on drawing S-09). This differs from the proposed limits of demolition across the roadway illustrated on drawings S-07 and S-08, which is approximately 13ft behind the proposed abutments. Please confirm the limits of demolition/excavation behind the abutments will be based on the pavement removal limits necessary to reduce the lateral loads on the abutments.	The limits of demolition/excavation behind the existing abutments (as shown on Dwg. S-09, Detail 1) is for reducing lateral loads when the existing anchor rods to the deadmen are disengaged. Additional excavation may be required for roadway, utilities, and work specified elsewhere.
98	Please refer to Note 1 on the Construction Sequence drawings S-09 through S-12, " Place crane at a minimum of 25'-0' away from existing / new abutment walls." Please confirm this note is referring to the entire construction sequence, including the parts of the sequence which occur after the soil anchors and back-to-back tie backs are installed and tested. Note throughout the construction sequence drawings the crane is shown sitting within 25ft of the abutment walls.	The distance restrictions on the crane relocation are intended to limit loading on the existing / new abutment walls. The Contractor may propose alternative locations for cranes after soil anchors and tie backs are installed and tested for Engineer review.
97	Please refer to Sheet S-01, Project note 2 refers to Special Provision 202560. Please provide Special Provision 202560.	<i>Response forthcoming</i>
96	Steel Pipe Pile Note 4 on Sheet S-15 refers to Standard Specification 1032.3.2 for application of a protective coating. The specification identifies 2 types of coating: coal tar epoxy or fusion bonded epoxy but does not prescribe one specifically for this project. Please specify which protective is required on the steel pipe pile for this project. Please confirm the coating is to be applied only to the outside the steel pipe; no coating on the inside of the pipe including no coating of the inside of the pipe in the area of the soil plug.	<i>Response forthcoming</i>
95	Please refer to Sheets S-17 and S-21. Back-to-back tie rods are shown at the East Abutment. Please provide a specification and pay item for these tie rods.	Special provision 608030 - Sheet Pile Wall Tie-Back System will be provided via an addendum.

Q #	Question	Answer
94	Please refer to Sheets S-09 and S-17. On drawing S-09 the Sequence of Construction note 4I describes installing back-to-back tie backs at the West Abutment. Sheet S-17 shows only soil anchors at the West Abutment. Please confirm there are no back to back tie backs at the West Abutment.	Soil anchors and back to back tie roads are used at the East Abutment. Only soil anchors are used at the west abutment.
93	The cables for aerial cable OH-1 on drawing SG-01 Conduit Run Schedule shows 37#12s and lighting cables. Drawing E-38 shows conduit #42 has 9C #14 and 1#6. Please confirm if we need to carry these wires on the other side of the bridge.	Dwg E-38 shows the span lock equipment layout and does not call out the aerial cables. Dwg. E-25 notes there is a 9C #14 AWG traffic signal cable that runs from the aerial cable termination box but transitions to #12 AWG for the aerial cable across the channel. The #6 AWG is connected to a ground bus in the aerial cable termination cabinet and does not need to be carried across the waterway.
92	Please provide light fixture type shown on the Typical Span Lock Electrical Equipment Layout on drawing E-38.	Refer to Special Provision 615504, Materials, Section II. Lighting Equipment.
91	Please provide as-built for existing control house to demolish.	As-built drawings will posted under supporting bid documents.
90	Is there hazardous material like asbestos and lead to remediate prior to doing demolition work of the control house or any other demolition?	Specification 202560 - Contaminated Materials will be added via an addendum. There are no known hazardous materials within the existing operators house.
89	Referencing Drawing M-19, the scale appears to be incorrect. Please provide the correct scale for this drawing	Drawing scale for this sheet should be N.T.S.
88	On page 4, Bridge no. 3-164, Section AEC Sheet No. 4, of the "T202007301 Construction Plans under Section 4000 it is stated "as determined by engineer in the field as needed to match existing." Please confirm it will be considered Extra Work if the engineer determines a different pavement section is required to match existing.	If the engineer determines in the field that the pavement section needs to be revised to match existing, then the work would be paid for under the appropriate items.
87	Referencing drawing E-24, please provide number of CCTV/CAT6 cables for conduit numbers 108,109,110,111.	Provide one CAT 6 shielded cable per camera.
86	Please provide electrical demolition plans of the bridge and the control house and also provide the existing electrical one-line diagram.	Available plans for the existing structure will be posted via an addendum.

Q #	Question	Answer
85	Please confirm if EF-2 disconnect switch is 2-pole 30A (on plan) or 2-pole 60A (on note 5) on drawing E-101.	<i>Response forthcoming</i>
84	Referencing Drawing E-101 there are two new panels to be installed - PNL-1 and PNL-2. Drawing E-102 only provides the panel schedule for PNL-1. Please provide the missing panel schedule for PNL-2.	<i>Response forthcoming</i>
83	Please refer to Note 1 on sheet S-15, "See SPs 605033 and 605133 for detailed information." Please provide special provision 605033 Steel Pipe Pile, 36" and special provision 605133 Steel Pipe Pile, 48".	Items 605033 (Provide Steel Pipe Pile, 48"), 605083 (Provide Steel Pipe Indicator or Test Piles, 48"), 605133 (Install Steel Pipe Pile, 48"), and 605813 (Install Steel Pipe Indicator or Test Piles, 48") shall meet the requirements listed in Section 605 of the Standard Specifications.
82	Please refer to Drawing S-21, notes 1, 2 and 3. Please provide special provision 608030 Sheet Pile Wall Tie-Back System.	Special provision 608030 - Sheet Pile Wall Tie-Back System will be provided via an addendum.
81	Drawing S-17 shows no soil anchors along the West Abutment's North wing wall. The East Abutment's North wing wall which is at about the same offset from CL of Bridge is tied back. Please confirm no soil anchors are required on the West Abutment's North wing wall.	No soil anchors are needed along the West Abutment's North wingwall.
80	The limits of demolition are not consistent between the drawings. For instance, on Sheet S-07 at the west and east abutment the piles are noted and shown to be fully removed. These same piles on Sheet S-09 are shown being removed to 2ft below the existing channel bottom. Please confirm these piles are to be fully removed.	<i>Response forthcoming</i>
79	The scale on Drawings S-07 through S-13 is shown as 1in = 6ft. It appears it should be 1in = 8ft. Please check the scale on these drawings and correct if necessary.	The construction sequence schematics on S-07 through S-13 are based on a 1in = 8ft scale.
78	Please refer to document "T202007301 BOS". Breakouts are not requested for the civil and structural work (foundations, abutments, substructure, superstructure, etc.) Please confirm that there are no requirements for breaking out these costs for the bid submission.	<i>Response forthcoming</i>

Q #	Question	Answer
77	Please provide detailed terms of the partial Notice to Proceed. Insurance requirements, payment provisions and any limitations that may be imposed.	<i>Response forthcoming</i>
76	What type of stone should be used for the "underlayer" below the R-7 riprap in the channel?	Per Section A-A on sheet S-18, the underlayer stone should meet W50 = 60 lbs.
75	Where and when is a stream diversion anticipated?	A stream diversion is not needed. Item 909005 will be removed from the bid item list via an addendum.
74	Please provide dimensions and connection details of what appear to be bent plates shown at the 90deg corners of the sheet pile walls shown on S-17. In particular will these only be required above existing channel bottom.	The contractor shall provide corner details, depending on the type (manufacturer) of sheet pile selected to meet the section properties specified in Sheet S-16 (Sheet Pile Wall Data Table).
73	Plan Sheet S-09 Activity 4I states, "Install soil anchors and back to back tie backs thru new sheeting along the full length of the west abutment." Plan Sheet S-18 shows these tie backs as "CL Anchor El. 3.66" in the elevation view. Plan Sheet S-17 only shows two 40 degree inclination soil anchors along the full length of the west abutment. Please provide the missing information of tie rods are required similar to the east abutment.	Soil anchors and back to back tie rods are used at the East Abutment. Only soil anchors are used at the west abutment.
72	Plan Sheet S-09 Note 1 states, "Place crane at minimum of 25'-0" away from the existing / new abutment walls." Plan Sheet CS-02 has a note "Contractor shall maintain driveway entrance at all times." A crane placed at the west abutment will block the closest driveway to the bridge. Plan Sheet #8 shows that James and Ethel White own both driveways on the north west side which both connect to the 2 story home. Since there are two means of access can the closest one to the bridge be blocked?	<i>Response forthcoming</i>
71	Standard Specifications 1032.3.1 states, "Equip all piles with cast steel, inside-flange, extra strong, ribbed 60-degree conical points." The project details require a 10' soil plug. To create the soil plug shouldn't these piles be provided with an open cutting shoe? This assumes the soil plug is created with the existing channel bottom	<i>Response forthcoming</i>

Q #	Question	Answer
70	Plan Sheet S-25 General Pile Notes #2 states, "Production piles shall be ordered based on the results of the test pile driving." Please confirm this requirement is only for the 14" concrete piles.	<i>Response forthcoming</i>
69	Plan Sheet S-15 Note 4 states, "Apply protective coating to all piles in accordance with section 1032.3.2 of Standard Specifications." Standard Specifications 1032.3.2.A states, "When indicated on the contract, protect the steel shells with a coating consisting of either coal tar epoxy or fusion bonded epoxy." The pile reinforcing is called out as fusion bonded epoxy coating but nothing is specified for the piles. Please clarify what protective coating should be used for the pile piles	<i>Response forthcoming</i>
68	Plan Sheet S-08 has a call out for "Place Curtain Wall" around the existing abutments. Plan Sheet S-09 Activity 4A and 5A presumably of the same item states, "Install Turbidity Curtain". Activity 4N and 5N states, "Remove Cofferdams / Wall and Turbidity Curtain." Is the "Remove Cofferdams / Wall" related to the 4F and 5F? Looking to confirm there are no temporary cofferdams to be installed in the channel.	Items 4A and 5A are for installation of turbidity curtains around the work zones. Activities 4N and 5N are the removal of the temporary cofferdams behind existing abutments as noted in steps 4F and 5F. Temporary sheet piles are anticipated to be installed behind the existing abutment (see Dwg. S-14) to facilitate the installation of the permanent abutment sheet piles, particularly when they interfere with existing sheet piles.

Thursday, April 17, 2025

67	Under special provisions, 615503 – BRIDGE MECHANICAL SYSTEM, Hydraulic Machinery, there is a provision requiring that cylinders be manufactured by Rexroth/Eaton/Parker. Can Yates Industries be considered/added to this list?	Alternative manufacturers for the specified products may be considered and shall be submitted to the Engineer for review per Special Provision 615503, Construction Methods, section C.6 Substitutions.
66	How thick is the splice plate supposed to be? It's shown in Detail 1 on Sheet S-37. Please confirm this plate is for splicing the integral fender's walers.	The splice plate is for splicing the walers and the plate shall be 1/2" thick.
65	Should a bearing be placed on each girder or just the end girders?	Each bascule girder has 1 bearing at the toe of the girder. Each precast slab has an elastomeric bearing at each end. Refer to Dwg. S-49.

Q #	Question	Answer
64	<p>Please refer to General Notices, Buy America Requirement. Please confirm that a waiver will be granted for items not domestically available. Examples include internal components (nuts, bolts, hardware) within the generator engine, specialized bearing components, and HVAC equipment.</p>	<p>DelDOT has not submitted a request for a waiver for any items on this project. Though a waiver could be submitted by DelDOT, or the contractor awarded the project, the time to get a decision would be several months and the possibility of getting a waiver approved would be highly unlikely based on the items in question and the current policy direction on Buy America that the administration has. Of note:</p> <p>Internal components (nuts, bolts, hardware) within the generator engine:</p> <ul style="list-style-type: none"> • The internal components could be considered and included in the minimal use allowance that could be tracked by the contractor which allows the greater of 0.1% of contract value or \$2,500. For example, an award value of \$30M would allow \$30K (\$30M x 0.001) in non-BA compliant items. <p>Specialized bearing components:</p> <ul style="list-style-type: none"> • This item would be considered predominantly steel and iron and would need to meet the requirements of Buy America. A specific waiver would be required and most likely would have an unlikely approval. State or contractor would be required to show the item is not available, cannot be manufactured in the US, and that a redesign to a component that would meet BA is not possible. <p>HVAC Equipment:</p> <ul style="list-style-type: none"> • Item would be considered a manufactured product and still would fall under the manufactured waiver. No specific waiver required. <p>FHWA general Buy America and Build America Buy America website is: Buy America - Construction Program Guide - Contract Administration - Construction - Federal Highway Administration. A Q&A link can be found at the bottom of the page for additional information.</p>

Q #	Question	Answer
63	Please reference the Proposal Document Section 20, subsection Construction Methods A.4.1.ii (page 9 of 316). Please confirm if this bridge is considered a "fracture critical" bridge.	The bascule span (including the bascule leaf, balance frames, and towers) contains multiple fracture critical members. Refer to Contract Drawings for specific fracture critical member (FCM) identification.
62	The drawing (found on sheet no 46) has called out T SAN100x1500 E1.0 by Trelleborg. However, it also suggest drilling a hole for fastening a 1-7/8" diameter threaded bar. This is to attach the FRPL to the fender(see below snip). Trelleborg does not recommend doing this. Instead, can the SANP1000x1500 E1.0 fender be used instead? The difference is the addition of the P, which means a steel plate will be molded into the face of the fender. Then Trelleborg can also put a socket in the face of the fender that will be attached to threaded rods, which will fix the FRPL onto the fender.	The SANP100x1500 E1.0, with the steel plate molded into the face of the fender, may be considered an acceptable alternative based on the manufacturer's recommendations.
61	Can the tie rods be made from Grade 80 threaded bar and upsized to be equivalent to Grade 150?	Using a larger Grade 80 threaded bar instead of 1 3/4" diameter Grade 150 bar specified for the tie rods at the east will be considered.
60	What material does "curtain wall" reference on Sheet S-08? It is shown enveloping the west abutment and the east abutment during demolition of the bridge. Is this supposed to be a turbidity curtain?	Yes, it is a turbidity curtain.
59	Should the tie rods, their plates, and walers (MC10x25) be bare or receive a protective coating?	Special Provision 608030 - Sheet Pile Wall Tie-Back System includes the material requirements and will be provided as part of an upcoming addendum.
58	Please clarify where bid item 909005 Stream Diversion is to be used.	Item 909005 is not needed and will be removed from the bid item list in an upcoming addendum.
57	Please review the bid quantities for; 810001 Temporary Warning Signs and Plaques and 813001 Temporary Barricades Type III. Using the allowable 12 month roadway closure duration the bid quantities provided should be a lot higher.	Bid quantities were reviewed and will be updated via an addendum to: Item 813001 - 23360 LF-DY and Item 810001 - 40150 EADY.
56	If there are 6 test piles, how can there only be an estimated 4 restrikes under Bid Item 605200?	<i>Response forthcoming</i>

Q #	Question	Answer
55	Should the cost of rebar cages inside the pipe piles be accounted for under the Bid Items to Install the Pile (605132, 605133, 605183) or should it be under Bid Item 611001, Bar Reinforcement?	The cost of the rebar cages should be accounted for under the Bid Items to Install Steel Pipe Pile (605132, 605133, 605183). The pile cost includes concrete fill, the pipe pile, and the rebar as per the Standard Specification.
54	The estimated total LF of 36" diameter pipe pile when divided by the estimated quantity 333 LF / 4 EA = 83.25 FT PER PILE. This length does not match the estimated length based on the values given in Pile Data Table on Sheet No. 23. Which are the correct values to assume when furnishing and installing the pipe pile?	The estimated bid quantity shown are adequate for achieving the estimated tip elevation from the Pile Data Table on S-14 (Sheet No. 20) with a 5' allowance (per pile) for overdriving or cutoff.
53	Can the lead-infused concrete for the counterweight be created by pouring the lead into the concrete during concrete placement? We doubt we can locate a supplier who will mix the lead in with the concrete either at their batch plant or inside the delivery trucks.	The lead (or other proposed material) for the heavy weight concrete may be added on-site during the concrete placement. The contractor is required to submit a work plan for review indicating how the required unit weight will be achieved (including specific amount of heavy material required) and how the vertical center of gravity of the concrete throughout the pocket will be maintained.
52	Should the steel pipe piles be coated with coal tar epoxy? If so, to what elevation? Please confirm their cutoff elevation is -1.88 FT.	Sheet S-15 indicates a protective coating to be used on all piles as per Section 1032.3.2. The coal tar epoxy shall be applied to elevation -30 FT. The cutoff elevation of -1.88 FT was confirmed.

Monday, April 14, 2025

51	Please consider delaying the bid date by at least a month. There isn't adequate time to solicit and evaluate vendors/subs, as well as confirm existing conditions, and thoroughly accounting for all required activities/materials/and work on such a complex project.	The bid due date will be extended by two (2) weeks via an Addendum. The new bid due date is Tuesday, May 20, 2025 prior to 2:00 P.M.
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Q #	Question	Answer
50	Is there a list of pre-approved suppliers for the project? For example, Section 612 of the Standard Specifications Item 612.3.2, Point B says “use precast PCI-certified plants inspected and approved by the Department to manufacture prestressed primary load carrying members.” Does a list of such plants exist? I cannot locate it on DelDOT’s website under the Materials and Research Section where I expected it to be. Please tell us where to locate such information/preapproved manufacturer’s lists.	The Department does not maintain a list of pre-approved plants. Any PCI-certified plant would be approved and inspected by The Department.
49	Does Spec 612500 “Precast Concrete Pier Cap” apply to the prestressed beams/girders for the bascule span and the rest span detailed on Sheets 49-57?	Specification 612500 is for the Precast Concrete Pier Cap. Per drawings S-41 and S-42 (Sheets 50 and 51), the Prestressed Reinforced Concrete Solid Slab members are item 612020. Refer to Section 612 of the Standard Specifications for requirements for these members.
48	Please provide As-Built drawings of the existing bridge and associated structures.	As-built drawings will be posted to the bid website.
47	What does “PB / S” stand for on Sheet 8 (called out in 2 locations on the sheet but not included in the legend on Sheet 3).	This callout is identifying a signal pole base. Please refer to sheet 220 "Cedar Beach Road Bridge Signal Plan" for details.
46	Where is the proposed tidal inline check valve called out on Sheet 8 shown in detail within the plan set?	The proposed inline check valve should be provided at the location shown in the Plans and in accordance with Special Provision 617515.
45	Where is the proposed headwall described in the notes on Sheet 8 shown in detail within the plan set?	The proposed headwall should be provided at the location shown in the Plans and in accordance with Special Provision 617515.
44	We respectfully request a four-week extension to the bid due date, moving it from May 6, 2025, to June 3, 2025. This extension is necessary to thoroughly evaluate and price the additional information that has been requested on this project. We anticipate receiving the remaining information shortly and require this additional time to ensure an accurate and comprehensive bid.	The bid due date will be extended by two (2) weeks via an Addendum. The new bid due date is Tuesday, May 20, 2025 prior to 2:00 P.M.

Q #	Question	Answer
43	Please provide Special Provision #763623 - netting migratory bird exclusion.	The Department does not expect this item to be necessary on this project since construction activities will be occurring before and during the time of year restriction for migratory birds. If the item is required for unforeseen reasons, it would be considered Extra Work and a price will be negotiated.
42	Please provide the permits or permit applications as noted on pg 305 of 316 in the RFP.	The Department does not provide permits as part of the bid package and will provide permits to the awarded contractor. All permit requirements are listed in the environmental statement and in the plans. An updated environmental statement will be included in the RFP via an addendum.
41	In the Notice to Bidders, section 20, titled "BASCULE SPAN SHOP FABRICATION, SHOP ASSEMBLY, FIELD ERECTION AND ALIGNMENT" appears to be a special provision that was not grouped with the rest of them. It lists several qualifications for persons involved, like a QC Manager and metallizer. Do these qualifications need to be included with the bid/proposal?	The qualifications listed in the "Bascule Span Shop Fabrication, Shop Assembly, Field Erection and Alignment" section does not need to be submitted with the bid/proposal, but shall be submitted for review and approval prior to the start of fabrication.
40	Specification Section 763522 - Coast Guard Specific Conditions B. 3. states, "The anticipated maximum closure period is 14 calendar days, subject to the approval of the USCG. The requested date of each closure period may not be within 14 days of any other closure." Please confirm the contractor is allowed multiple navigational closures up to 14 days each as long as they are spaced out at least 14 days.	All closures must be coordinated with and approved by the USCG. The project does not limit the number of channel closures but assumes that multiple closures may be permissible if the channel is open for 14 days between each closure. Contractor is responsible for developing the Notice To Mariners.
39	RFP pg 222 of 316 section X. Bridge Maintenance notes that the contractor is to maintain all operating equipment on the existing bridge in accordance with the manufacturer's recommendations and bridge maintenance manuals. Contract Plan Sheet E-01 Note 16 states that maintenance of the existing equipment includes repair/modifications to existing equipment and/or installation of new equipment. Please confirm that any costs outside the general maintenance items in the maintenance manuals such as repairing/modifying and/or installing new equipment would be handled by a change order.	See response to Questions 12 and 25.

Q #	Question	Answer
38	Once the contractor takes over operation of the existing bridge will the current operating system be in working condition and reliable to operate the bridge? RFP pg 221 of 316 section U.1. states, "Utilize the existing electrical and mechanical systems with upgrades as needed to operate the existing bridge during construction." Section W also reference a Temporary Bridge Operating System. RFP pg 184 of 316 Section 15. a. iii. also references furnishing and installing mechanical and electrical equipment required to operate the bridge in a temporary fashion.	See response to Questions 12 and 25.
37	Please provide the existing bridge drawings as well as the previous rehab project drawings noted on Sheet S-07 Note 10.	Archive plans will be posted to the bid website.
36	What is the deadline for asking pre-proposal inquiries?	Please refer to page 2 of the Proposal; General Description; L. Questions States: Questions are to be emailed to DOT-ASK @ delaware.gov no less than 6 business days prior to the bid opening date in order to receive a posted response.
35	Is there a bid item list for the referenced project (Contract T202007301)? I noticed a quantities table within the plan set (on Sheet No. 11) but want to confirm this matches the desired breakout of the bid items.	The quantities on sheet no. 11 are just the bridge quantities. The full item list is available in the Bid Proposal.
34	During the mandatory pre-bid meeting bidders were advised that an addendum was forthcoming to correct the NTP date to September 8, 2025. Multiple bascule bridge fabricators have indicated the time they will need for shop drawings, fabrication, mechanical coordination, and delivery of bridge steel and orthotropic deck will not support the schedule for field erection, testing, and turnover within the 365 day roadway closure and completion date of 417 days from NTP. In addition to fabrication duration, fabricators are also indicating that other commitments in their shops will also impact their ability to start this work early enough to support this schedule. We respectfully request the NTP date be delayed 9-12 months in order to allow for delivery of the bascule bridge steel and mechanical components that will support the required construction period.	The Department understands the difficulties presented by the schedule, but the September 8, 2025 NTP date needs to be maintained due to funding commitments.

Q #	Question	Answer
33	Please provide the Geotechnical Report referenced on Plan Sheet No. 196.	The Geotechnical Report will be uploaded to the bid website.
32	The provided documents do not list the Insurance Requirements that the Contractor must maintain. Please provide the project's insurance requirements.	As noted in the regulation, each successful bidder must purchase adequate insurance for the performance of the contract. Clarification was requested from the State Insurance Coverage Administrator. Their response indicated that a minimal limit of \$5M would be required.
31	Please refer to drawing S-02. The table provided on the drawing provides estimated quantities by Item No. Please confirm that these quantities are "For Information Only" and are not required to be submitted Unit Price items with the bid. Please confirm the bid items provided in the document "T202007301 BOS" are the only bid breakdowns that are required to accompany our bid.	Drawing S-02 lists only the bridge quantities. Refer to the Bid Proposal for a full list of items. The items in the breakout sheet are the only Lump Sum items that require price breakdowns.
30	Please refer to the document "T202007301 BOS". Tab 2 in the excel document is incomplete. Please confirm the Contractor does not need to complete and submit Tab 2 with their bid.	Correct. Tab 2 can be ignored.
29	Please refer to Proposal Document - Utility Statement (page 302 of 316). Please confirm that the work described in the Utility Statement and the work shown on the schedule has been completed and the Contractor does not need to incorporate these activities into their build schedule.	All advanced utility relocations are complete. Utility work shown to occur during the contract in the Utility statement and in the Plans needs to be incorporated into the schedule.
28	Please refer to Proposal Document Section 615504, Construction Methods subsection LL (page 230 of 316). Please clarify if SS304 exposed conduits are to be painted. The specification calls for the painting of non-stainless boxes, but currently reads as all types of conduits are to be painted.	Stainless steel conduit shall not be painted. Refer to Special Provision 615504, Construction Methods, Section LL - Painting of Electrical Equipment, item 2.
27	Please refer to Proposal Document Section 615504, subsection AA.1 (page 169 of 316). Please clarify if the NEMA 4X 316SS requirement for boxes installed outside of a conditioned space (Control House). Please confirm a NEMA rating and material/finish for boxes installed inside a conditioned space.	Boxes, wireways, and trough located in the control house for bridge control conduits, shall be Nema 12 Galvanized Steel. Refer to drawings E-31 and E-34.

Q #	Question	Answer
26	Please refer to drawing S-73, note 4. In the event that the final quantity of balance blocks exceeds the quantities shown on the plans, the extra blocks will be considered Extra Work.	If balance calculations indicate additional balance material is needed (beyond the amounts specified within the plans, including the spare blocks specified), the cost of additional material will be negotiated between DelDOT and the Contractor, as specified in the Standard Specifications.
25	Please refer to Drawing E-01, Note 16. Please clarify that maintenance of the existing bridge is included in the bid price, but repairs to the existing structure are not quantifiable and shall be considered Extra Work if required. For instance, if a significant component of the existing operating system were to fail due to no fault of Contractor.	<p>The contractor is responsible for maintaining existing and new bridge equipment, as noted in Special Provision 615504, Construction Methods Sections A.15 - "Bridge Operations during Construction" and Section X - "Bridge Maintenance". As part of the contractor's maintenance documentation (that shall be submitted to DelDOT throughout the contract), the contractor shall identify any components that are found as damaged or non-operational during maintenance work.</p> <p>Failure of an existing operating component may be considered Extra Work by DelDOT if the damage was not related to the contractor's construction operations on-site, all maintenance work for the component is up to date, and all associated documentation of the completed maintenance work has been submitted to DelDOT. The bridge maintenance manual will be provided for the contractor.</p>

Q #	Question	Answer
24	Please reference Drawing E-01, Note 2, which states "The generator shall be sized...". Please clarify that the sizing of the generator is the responsibility of the Engineer of Record and any change to the size depicted in the bid documents shall be considered Extra Work.	<p>The size of the generator shown on the plans has been verified by the Engineer of Record using the equipment specified in the Contract Documents. If the Contractor uses alternate or larger equipment on the bridge or an alternate generator make/model than what is specified in the Contract Documents, the size of the generator may increase and will be the responsibility of the Contractor. Refer to Special Provision 615504, Materials, Section CC - General Requirements for Standby Generation, Bullet 5, ""The system design is based on Cummins Propane Generator C125-N6, alternate make/model may require adjustment to generator size based off manufacturers recommended sizing.""</p> <p>The size of the generator shall also be verified by the proposed generator manufacturer using their software and the actual equipment to be installed at the bridge and included in the contractor's submittals.</p>
23	Please refer to drawing EC-01, Note 2.b - Construction Restrictions. Please clarify if restricted activities are to be reduced/minimized or if these activities are forbidden during the referenced timeframes.	Underwater construction activities which disturb the channel bottom or prevent the passage of fish are prohibited during these timeframes. Work above the waterline from barges may continue during this timeframe.
22	Please refer to drawing S-14, note 11. Please confirm that encountering of an unexploded ordinance will be considered a differing site condition.	Encountering unexploded ordinance would be considered a differing site condition.
21	Please clarify requirements for cofferdam(s) and sediment management. Is contractor required to contain existing structures and excavation limits within a temporary cofferdam during demolition, or will contractor be permitted to perform in-water demolition, excavation and sediment disturbing activities behind turbidity curtains?	Turbidity curtain shall be installed as specified on drawing CS-02 and the Construction Sequence drawings. Temporary cofferdams are anticipated for demolition of the existing abutments and construction of the new sheet pile abutments (see drawing S-14), subject to proposed means and methods of construction.
20	Please provide space for staging, laydown and field office facilities.	The area within the LOC shown on the plans is available for the contractor to use for laydown, staging and field offices. Securing additional areas as determined by the awarded contractor is the responsibility of the contractor.

Q #	Question	Answer
19	Please clarify if contractor be allowed to tie up barges and floating equipment at the existing bulkheads adjacent to the bridge (four corners).	The bulkheads adjacent to the bridge on all 4 corners are privately owned and should not be disturbed or secured to unless the Contractor obtains approval from the property owner at their sole discretion.
18	Please reference Stipulated Statement, Environmental Requirements, Required Permits and Approval Status. In the event that any permits are issued after the bid date which contain additional conditions or restrictions which are not contained elsewhere in the bid documents, these additional conditions or restrictions will be considered Extra Work.	The only permit not currently issued is the USCG Bridge Permit.
17	Please reference Stipulated Statement, Environmental Requirements, Required Permits and Approval Status. Please provide a copy of the SWPP along with a copy of all permits which have been issued. Please also provide an anticipated date for the permits which are still pending.	The permits will be provided to the awarded contractor. An updated environmental statement will be provided via an Addendum with up-to-date information.
16	Please reference specification 763522 - Coast Guard Specific Conditions. In the event that the Coast Guard does not grant approval for requested closures that are within the specified timeframes/durations, please confirm this will be considered an Excusable, Compensable Delay.	This would be considered an Excusable, Compensable delay.
15	Please confirm that Owner will provide hands-on-training for Contractor's bridge operating staff.	The Department will provide training before handing over operation.
14	Please provide As-Built Drawings of the existing structure.	As-built drawings will be posted to the website.

Q #	Question	Answer
13	<p>Please reference Specification 615504, Bridge Electrical System, subsection Manual Operation/Temporary Operating System which defines the Contractor's bridge operation duration as "the first day work will be performed by the Contractor until acceptance of the bridge by DelDOT." Please clarify the following:</p> <p>a. Please clarify the first day of work to be the first day of work which alters operating conditions of the structure.</p> <p>b. Please clarify the last day of Contractor bridge operations to occur immediately following Field Acceptance Testing and Training of DelDOT operators. Rather than final acceptance of the project which could be withheld due to insignificant, unrelated punchlist items such as landscaping.</p>	<p>a) The contractor shall take over bridge operations upon start of mobilization on-site (prior to performing any work on the bridge).</p> <p>b) Bridge operations by the contractor shall continue until Stage 3 Testing requirements are completed and approved by DelDOT.</p>
12	<p>Please reference Specification 615504, subsection Construction Methods 15.E15, Bridge Operation during Construction. "Furnish and install mechanical and electrical equipment required to operate the bridge in a temporary fashion". Additionally, please reference section U of the same specification, "Manual Operation/Temporary Operating System."</p> <p>Please clarify if the structure is currently inoperable and provide a detailed description of the current operating condition of the structure along with all relevant inspection reports.</p>	<p>If the contractor's work results in the bridge not being able to operate via the existing or new operating system (such as after removal of portions of the equipment or when only a portion of the equipment for the new structure is installed) and a USCG approved temporary deviation is not in effect, the contractor will be required to provide a temporary means to operate the movable span for marine vessels. DelDOT's contractor is currently performing repairs to the bridge that are anticipated to be completed later this month. These repairs will restore normal operation of existing swing span for the passage of marine traffic.</p> <p>A copy of the latest bridge inspection reports will be provided to the contractor which outlines the current operating condition of the bridge.</p>
11	<p>Please reference Specification 615503 - Bridge Mechanical System, subsection 4.e which calls for work to be performed under direction of a "certified fluid power technician". Please clarify this certification, what is the certifying entity?</p>	<p>The fluid power technician certification shall be from International Fluid Power Society (IFPS).</p>

Q #	Question	Answer
10	Please reference Specification 605515 - Vibration Monitoring section, A.1.a. This specification which calls for monitoring during any vibration producing construction activities. Please clarify levels of vibration that will require monitoring. Typically monitoring would only be required during pile driving and extraction, please confirm.	Vibration monitoring shall be performed for activities that have the potential to produce vibration at damaging levels, including not limited to: pile installation, sheet piling installation, cofferdam installation, casing installation, operation of heavy construction equipment, demolition of the bulkhead, demolition of fender structures, demolition of substructures, demolition of foundations, and any other construction activities deemed necessary to be monitored as recommended by the Vibration Specialist hired by the Contractor.
9	Please clarify the minimum experience requirements of the General Contractor and/or Mechanical/Electrical subcontractors. Various specifications provide minimum requirements for the individuals performing the work, however, minimum experience of the bidding entity/subcontracting entities are not clear.	Unless noted otherwise, experience requirements apply to specific personnel who will perform the work, not the overall contractor / firm. Experience and certification requirements for key staff, fabricators, and contractors are located in the Special Provisions, General Description, and Standard Specifications for the applicable work items / components.
8	RFP pg. 221 of 316 states, "Bridge operation during the construction period, from the first day work will be performed by the Contractor until acceptance of the bridge by DelDOT." Please confirm that the "first day work will be performed by the Contractor" is related to the NTP date of September 5, 2025 and does not include the time during pre-construction submittal type work from award to this NTP date.	<p>a) The contractor shall take over bridge operations upon start of mobilization on-site (prior to performing any work on the bridge).</p> <p>b) Bridge operations by the contractor shall continue until Stage 3 Testing requirements are completed and approved by DelDOT.</p>
7	Bid Item 763501 - Construction Engineering 1 LS is included in the pricing form. RFP document pg. 237 of 316 lists Bid Item 763597 - Utility Construction Engineering and described the basis of payment as hourly. Please confirm item 763501 is the only item to be included in this bid.	Item 763501 is the only item to be included in this bid.
6	RFP document pg. 8 of 316 section A.4 references a Specialty Engineer registered in the State of Delaware. RFP document section 615503 pg. 145 of 316 states, " The Contractor's Specialty Engineer shall certify that the calculations have been fully checked prior to submission." Please confirm that a "Specialty Engineer" is the same as a "Professional Engineer".	Specialty engineer refers to a Professional Engineer, licensed in the State of Delaware with experience performing the specialty tasks specified in the Contract Documents (such as span balancing calculations).

Q #	Question	Answer
5	Please provide the list of attendees present at the Mandatory Pre-Bid Meeting held on 4/7/25.	Pre-Bid Meeting Attendance List will be posted to the website.
4	Please provide as-built plans of the existing bridge structure to be demolished.	Existing plans will be posted to the website.
3	<p>General Description, Article H states that the Completion Time is 417 Calendar Days and that a Notice to Proceed is to be issued to allow for work to start on September 8, 2026. Prospective Bidder Notes, Article 19 states a Notice to Proceed Date of June 16, 2025 and work to start on September 8, 2025.</p> <p>a. Please clarify and provide the anticipated Award Date, Notice to Proceed Date, Construction Start Date, and Completion Date.</p> <p>b. When do the 417 Calendar Days for the Completion Time start to accrue – from Notice to Proceed or Start of Construction?</p> <p>c. Please confirm that adequate procurement times have been included in the Completion Time for the critical long lead time items – including but not limited to Structural Steel Bascule, Mechanical, Electrical, and Bridge Controls components, etc.</p> <p>d. Please provide the DelDOT CPM scheduled produced in the design phase for this Contact.</p>	<p>We plan to award in June 2025 and provide a partial-NTP for shop drawing development and procurement of long lead time items soon thereafter. Full NTP and Construction Start date will be in September 2025 and the 417 calendar days for completion start with full NTP. We have monitored lead times from fabricators and the Department does not provide CPM schedules to the bidders.</p>
2	RFP document Section H COMPLETION TIME states, "It is estimated a Notice to Proceed is issued such that work starts on or about September 8, 2026." RFP document Section O.19 NOTICE TO PROCEED INFORMATION states, "Full Notice to Proceed for on-site work is anticipated on or about September 8, 2025." Please confirm NTP for on-site work is in 2026.	Full notice to proceed for on-site work is anticipated in September 2025. This will be corrected via an Addendum.
1	RFP document Section I. states that the June 2022 Specifications and any revisions and corrections apply to this Bid Proposal and Project. Please confirm if we are to use the latest Standard Specifications dated January 2025 or only the Standard Specification Revision #3 - January 2024 update.	Use the Standard Specifications – Revision #2 – June 2022 for this project.