

Delaware Department of Transportation

QUESTIONS AND ANSWERS

T201707005.01

Statewide Movable Bridge Preventative Maintenance

Friday, December 07, 2018

Yellow highlighting = previous questions answered in this posting: Q6

Q #	Question	Answer
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Friday, November 30, 2018

10	General: Initial Repairs all Bridges, Painting, labor used does preparing areas for paint get paid as labor or painters wage rates?	Most likely paid as painters. It is the contractor's responsibility to clarify required wage rates. Suggest you check the link below, and/or contact the Delaware Department of Labor, Div of Industrial Affairs at: Wilmington: (302) 761-8200 Dover: (302) 422-1134 https://dia.delawareworks.com/labor-law/documents/Prevailing%20Wage%20Classification%20of%20Workers.pdf
9	General Electrical 1) On various bridges it states to identify and terminate uncapped conductors and spare wires. Do these spare conductors need to be incorporated into the as built drawings?	No.
8	A3 page 98 Updated layout drawings and internal connection wiring diagrams of control desk, control cabinets and drive cabinets. 1) Does this require a new complete set of as built drawings? 2) Is this for all the bridges or just the ones with electrical changes?	1. If the cabinets are being updated a new set of layout drawings will be required for only the specific enclosures being modified. Equipment remaining unchanged does not require new drawings. For those cabinets and enclosures where new equipment is being added, the existing equipment call outs can be generic, (i.e. relay, terminal block, etc.). 2. Contractor to provide new layout drawings for only those bridges and enclosures being modified.

Q #	Question	Answer
7	<p>Section 615647- COMMON PROVISIONS FOR ELECTRICAL WORK A2 page 98 This item states a complete updated schematic diagram and wiring diagram are required.</p> <p>1) What is the state of the existing as built drawings? Are they complete and up to date showing all existing wiring and wire numbers?</p> <p>2) If not, would this need to be done under this contract?</p> <p>3) They are to be done in Microstation. Does this require the contractor to purchase a new licensed copy of this software?</p>	<p>1. See response to Q3.</p> <p>2. See response to Q3.</p> <p>3. See response to Q3, All existing as-built drawings are available from DelDOT in microstation and pdf format. Some versions of AutoCAD can open and save microstation files. The contractor is required to deliver a consistent set of schematic wiring diagrams as part of shop drawing delivery and final as-built drawings for those bridges where the schematic wiring diagrams are being updated.</p>
6	<p>Will it be acceptable to DelDOT for bidders to submit the information requested on the “Contractor Experience Questionnaire Forms) on separate forms to make it easier to fit all the information required?</p> <p>The DelDOT form could be clearly referenced as the title of each additional “substitute” qualification sheet. Example: Project Manager Qualifications Form.</p>	<p>If more space is needed, it can be provided on additional page(s) as needed.</p>
5	<p>Bid Submission, taking in account the complexity of this bid and the monthly review and bid preparation period was interrupted by a significant holiday would it be possible to extend the bid due date?</p>	<p>See Addendum 2.</p>
4	<p>Initial Repairs, all bridges that require Maintenance of Traffic control and detours, what will be the lapse time between request for closure/detour and on site lane closure/detour?</p>	<p>Detours and lane closures will be approved by DelDOT Traffic Section. There is a traffic representative responsible for Canal District and South District. The contractor should prepare their proposed traffic control plan and submit it as early as possible. Message boards for lane closures and detours are required to be in place 5 days prior to starting the work.</p>

Q #	Question	Answer
3	<p>Common Provisions Electrical, A. Control System Vendor Submittals #2. “A complete updated schematic diagram and wiring diagram, including all power and control connection. Each electrical device and each wire between devices shall be identified by an individual designation of letters, number, or a combination of both; and such designation shall be used wherever the devices or wires appear on other drawings. Electronic mark-up on existing drawing are acceptable provided that the document remains legible, otherwise CAD related updates shall be made on the MicroStation files which will be made available to the Contractor by DelDOT.”</p> <p>1. Is this updated schematic diagram and wiring diagram required for each bridge?</p> <p>2. How is a contractor to quantify this submittal without knowing current state of MicroStation files to current/existing wiring conditions and upgrades?</p> <p>3. Are the current MicroStation files compatible/user friendly with AutoCAD by Autodesk?</p>	<p>1. Updated schematic drawings are only required for those bridges where modifications are being made to the current as-built drawings.</p> <p>2. Contractor shall assume all As-built drawings are substantially accurate for the purpose of bidding. PDFs of the latest as-built drawings are in Vol III of the O&M manuals.</p> <p>3. Some versions of AutoCAD (.dwg) may be capable of opening Microstation files (.dgn) or converted to .dxf formats.</p>
2	<p>Bridge 1-693: Repair E10, please provide replacement tank specifications and mounting location in generator room.</p>	<p>The new fuel tank shall meet or exceed the specifications of the existing tank, existing tank nameplate is provided below:</p> <p>Safe-T-Tank Corp. Model HS-130-2A S/N: 130305 130 Gallons (Diesel), 10 Gauge tank enclosure</p> <p>The installation location shall be determined by the Contractor and approved by the Engineer.</p>

Q #	Question	Answer
1	Bridge 1-687: Repair S1, we've had no success finding the horizontal and vertical tubing connection couplers, would it be acceptable to reuse the existing couplers?	The existing connection couplers are malleable, iron screw fittings at the joints of the handrail posts. Should the threaded connection couplers be in acceptable condition, they may be reused provided that the threads and couplers are cleaned of any corrosion and they are cleaned and painted as needed.