

Note revised Answer to the following questions: Q7, Q12, and Q48

Delaware Department of Transportation
QUESTIONS AND ANSWERS
T201880103.02

Yellow highlighting = previous questions answered in this posting: Q48

NORTH DISTRICT CREW QUARTERS AND SITE WORK, PHASE 1A. NEW CASTLE COUNTY
Friday, August 23, 2019

Q #	Question	Answer
65	For the electrical conduit installation, will the excavation and sawcutting of pavements be paid for under their respective bid items?	Excavation and saw cutting of pavements is considered incidental for electrical conduit installation.
64	Please confirm who owns filling of diesel AST for generator. If by GC please define quantity of fuel to be provided.	DelDOT will be responsible for filling of diesel AST for generator. General Contractor will be responsible for all testing, startup and commissioning.
63	Please confirm intent with Q & A 48. FSC plywood seems an unnecessary expense for the owner to pay since the building is not be submitted for LEED certification.	Please see revised Q48.
62	Please confirm a full time resident engineer representing DelDOT will be on the project site at all times while work is being completed.	DelDOT will be represented on site during work hours by an inspector. A DelDOT engineer will be at the site as work and time permit and will be available by phone.
61	Please confirm the DelDOT Standard Specifications will govern work outside of the building foundation and all work within the building footprint is governed by the Appendix A specifications per Bid Proposal Special Provision 763511 Maintenance Building.	DelDOT Standard Specifications govern all work. Appendix A specifications are in addition to the DelDOT Standard Specifications. If a conflict should be identified between the specifications in a RFI it will be evaluated on a case by case basis.
60	Does the data, fire alarm, and security need to be installed in conduit all the way back to the source? Will backboxes and raceways to above ceilings be sufficient?	To the extent consistent with building code, backboxes and raceways to above ceilings through plenum is acceptable for data and security. To the extent consistent with building code, fire alarms shall have conduits run back to source.
59	Where is the 225KVA transformer being installed? It is on E-404 only.	On drawing E-102 Note 5 calls for a 112.5 KVA transformer. Per response to Q39, this should be the 225kVA transformer location.

Wednesday, August 21, 2019

58	Is detail (1) on drawing E-103 correct for all installation of buried conduit or do we need to adhere to note #2 under General Notes for the installation of all conduits encased in concrete.	See Response to Q22. Either method may be used.
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Q #	Question	Answer
57	Sheet 28 sanitary sewer profile indicates the a tie in to an existing manhole approx. 10 feet in the ground at invert elevation 67.65. Can a drop manhole connection at a higher elevation be utilized at this location?	A drop connection will not be permitted. The specified slope of the sanitary sewer is required to allow clearance and avoid other utilities.
56	Drawing P101 indicates the sanitary invert elevation leaving the building @ 79.65. Civil sewer profile detail on sheet 28 indicates the sewer elevation at the building at approx. elevation of 75.00. Please confirm the sewer invert elevation as it enters the building.	The invert elevations specified on sheet 28 shall be used, all sanitary sewers outside of the footprint of the building must be installed with 3-feet of cover over the crown of the pipe.
55	Please define geothermal well diameter for bidding purposes	Well diameter shall be 5”.
54	There is conflicting information as to the depth of the geothermal wells. M100 calls for 300’ wells per Sheet Keynote 2, detail 2/M100 calls for 400’ wells. Please clarify well depth for bidding purposes.	Well depth shall be 300’.
53	Please confirm all water utility work located within the X area shown on sheet CP-1 is handled by Suez and is not the contractor's responsibility.	Utility statement (included in the bid package on page 74) explains the responsibilities of the utility owners and the contractor.
52	Who is responsible for CCR inspections for the project?	The successful bidder is responsible for daily CCR inspections.
51	Please confirm Special Provision 401699 applies to the project.	Yes, Special Provision 401699 applies to the project.
50	Please confirm DelDOT will handle testing , inspection and geo technical observation for the project.	See response to Q26.
49	Please confirm all plywood sheathing is to be furnished per section 061600 2.5A; 2.6A which requires Exposure 1 Structural 1 grade material.	Confirmed that all plywood sheathing is to be furnished per section 061600 2.5A and 2.6A which requires Exposure 1 Structural 1 grade material.
48	Spec section 61600 Sheathing 2.2 A calls for FSC plywood. Please clarify if this is required.	Yes it is required. FSC plywood shall not be required. Plywood shall meet all other sheathing thickness and structural requirements per code.

Q #	Question	Answer
47	I am currently bidding this project and am having a difficult time finding the required "conduit junction well type 4". Is there a specific company that has manufactured these in the past for Del Dot?	Type 4 junction wells are commonly used throughout the state for DelDOT lighting, signalization and ITMS work. DelDOT cannot require a specific supplier of Type 4 Junction Wells, but Gillespie Precast is an example of a supplier that has been previously used.
46	Is it acceptable to use MC cable above the accessible ceilings and inside of walls? The specifications and drawings are conflicting each other.	MC cable may be substituted to the extent that it satisfies State of Delaware Electrical Code requirements.
45	On drawing E-101 notes 2 and 3 call for (12) 4" conduits from the junction well to the switchboard. These conduits are not shown on the conduit schedule on drawing E-103. Are these conduits needed?	Yes, the conduits are needed for future phases of site work.
44	Could not find any specs for the carpet tile please advise .	See response to Q42.
43	Drawings A 102 show 6" x 6" 24 ga. alum gutter, 3 x4 24 ga. alum downspouts, alum break metal fascia trims and drip edge. Specifications section 076200 sec 2.6 and sec 2.7 requires coated galvanized steel 22 ga.	Aluminum specified on drawings is acceptable.
42	Please provide clarification of the carpet tile as shown on drawing # A-104 finish schedule. There is no specification for carpet tiles in Division 09. Rooms 102,103,104, & 105 floor finish is carpet tile.	Section 096813 - Tile Carpeting will be added to Appendix A by addendum.
41	Drawing E-404, The New Main Distribution Switchboard 1600A, 480Y/277V, 3P, 4W, NEMA 4X; This switchboard will have to be custom built, can this be a NEMA 3R?	NEMA 3R will be acceptable.
40	Drawing E-404, Should the conduit feeding the ATS from the future generator be 3 spare 3" conduits? Drawing states spare 3" C.	Drawing E-404 spare conduit should be (3) 3" conduits. The conduit for future generator should match the conduit number and size for the generator included in this project.

Q #	Question	Answer
39	On drawing E-102 Note 5 calls for a 112.5 KVA transformer / On the single line drawing it calls for a 225 KVA transformer. Which one do we need to have for this project?	The 225kVA transformer is correct.

Thursday, August 15, 2019

38	There is a discrepancy on the drawings. The life safety code data indicates an NFPA 13 system, but FP-101 indicates an NFPA 13R system.	All references to life safety systems shall reflect NFPA 13R system for this contract (allow occupants to escape).
37	Is there a payment and performance bond required for the project?	Yes, the awarded firm will be required to provide a payment and performance bond.
36	The fence schedule on sheet 8 refers to the chain link fence being 9' high. Is this the height of just the fence fabric or is it the height of the fabric and the attached barbed wire?	Chain link fence shall be 8 foot high with 3 strands of barbed wire for a total height of 9 foot.
35	763598 Field Office lists numerous expensive requirements that I do not believe are necessary for this project. They include providing water service to the trailer, kitchenette, refrigerator, microwave, toilet, five phone lines, copy machine, fax machine, computers, new furniture, and various other electronic items. Please confirm that an 8' x 32' office trailer, with a folding table and chairs, and plans table is acceptable.	An 8' x 32' office trailer with electricity, lighting, Heat, AC, folding table/chairs and plans table is acceptable.
34	763501 Construction Engineering calls for a GPS rover and automatic level being furnished for the engineers use. Please confirm that this is not required on this project.	GPS Rover and automatic level will not be required. A level and rod will satisfy DelDOT requirements.
33	Is a building permit required for this project? If so, who is responsible for the permit fees?	This project is in Right of Way. Therefore, a building permit is not required. However, State Fire Marshall Office (SFMO) permit is still required to be obtained by the successful bidder. SFMO waives all fees for DelDOT work.
32	Paragraph 224000.2.10 calls for an ice machine. Sheet #30 labels the ice machine as "N.I.C.". Please confirm that the ice machine is by the owner.	Ice machine shall be provided by owner.

Q #	Question	Answer
31	Paragraph 102800.2.3.B calls for a mop and broom holder in the janitor closet. This toilet accessory item is not shown on sheet #38. Please clarify if a mop and broom holder is required in Janitor Closet 108.	Contractor shall satisfy Paragraph 102800.2.3.B. Contractor shall include a mop and broom holder in Janitor Closet 108.
30	Paragraph 072100.2.4 references spray foam insulation. Please confirm that there is no spray foam insulation on this project.	Spray foam is required as part of the contract. Refer to specification 072100.3.3 for applications.
29	I do not see any glued-laminated construction (spec section 061800) shown on the drawings. Please confirm that this spec section does not apply to this contract.	Spec section 061800 is not required for this contract.
28	Is any of the wood framing material for the crew building required to be fire rated?	No wood framing material is required to be fire rated.
27	Are bollard covers required?	Although bollard covers are sometimes preferred, Specification 720557 – Bollards Steel, identifies a painting requirement. Selection of yellow bollard covers would require a change order negotiated against cost of reduced paint requirements.
26	Please confirm that testing (soil, concrete, steel, etc.) is by the owner.	Contractor shall submit source of supply documentation per Standard Specifications for approval by DelDOT. DelDOT shall be responsible for performing Quality Assurance testing of soils, Portland Cement Concrete and Hot Mix Asphalt. Contractor shall be responsible for Quality Control of all products used on this project.
25	Please confirm that CAD file as-built updates are not the contractor's responsibility.	Contractor shall provide CAD file as-built updates as part of contract close out.
24	Paragraph 061000.2.3 calls for structural lumber to be southern pine No.1. Please advise if southern pine No. 2 is acceptable.	Acceptable structural lumber for the contract is Southern Pine No 1 and Spruce/Pine/Fur #2. The truss designs will be per the truss manufacturer's requirements.
23	Sheet #42 shows wall types WT5.1 and WT5.2, but I don't see these wall types indicate on the floor plan (sheet 30). Please confirm that these wall types are not part of this contract.	Wall types WT5.1 and WT5.2 are no longer part of the contract. Wall types shall be as indicated on floor plans.
22	Sheet general note 2 on sheet 68 states to encase the underground conduits in concrete. The typical buried conduit section on Sheet 69 shows sand around the conduits, not concrete. Please clarify.	Either method may be used.

Q #	Question	Answer
21	Sheet 26 shows removing an underground fiber optic line. Is removal necessary or can this be abandoned in place? If it has to be removed, please clarify the extent, as the line continues West off of the drawing.	At this time removal of the underground fiber optic line is not required. If the situation changes it will be dealt with as T&M Change Order.
20	On sheet 17, what is "STF-1" shown on the generator pad layout?	STF-1 is incorrect. STF-1 should be labeled FFS-1, Fuel Filtration System.
19	Please confirm that generator #2 (E-GEN-2 on the misc. equipment schedule) shown on sheet 17 is not part of this contract.	Generator #2 (E-GEN-2 on the misc. equipment schedule) shown on sheet 17 is not part of this contract. This will be addressed on a future contract. Provisions listed on plans for connecting a future generator are included in this contract.
18	Note 4 on Sheet 7 calls for a temporary PCC concrete barrier. Is this by the GC or the owner?	Temporary PCC concrete barrier will be provided by DelDOT.
17	Which bid form line item should the curb ramps be included?	Curb ramps shall be included in Item No. 705001.
16	The bid form calls for 2098 LF of chain link fencing, but the schedule on sheet 8 shows a total of 2150 LF. Please clarify.	Bid form shall be revised to reflect 2150 LF on chain link fence.
15	Specification 230923 - Available Manufacturers - shall the new HVAC equipment be controlled as an extension of the existing Automated Logic WebCTRL system? No other BAS manufacturers have been utilized by DelDOT.	In Specification 230923. Section 2.1 A. 1. c. identifies Automated Logic as an Available Manufacturer.

Monday, August 12, 2019

14	Question 7 response indicated that FES 300 is an 18" FES. The pipe it connects to (P-301) is a 15" RCP. Shouldn't FES 300 be a 15" FES to match the pipe and NOT an 18" FES?	You are correct, FES 300 should be a 15" FES to match the pipe. See revised Answer to Q7.
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Thursday, August 08, 2019

13	Drawings E-201 & E-401 indicate an Access Control System is to be installed. No specifications are included regarding Access Control or Security Systems. What are DelDOT's requirements regarding the aforementioned system(s).	Successful bidder is responsible for conduits and boxes. Camera and Access Control Systems will be installed under separate contract.
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Q #	Question	Answer
12	Drawing E-201 indicates Smoke Detectors to be installed in the Men's and Women's Toilet Rooms and Showers (Rooms 110/111 & 115/116, respectively). Due to inherent environmental conditions experienced in these rooms (high humidity, steam, etc.) it is strongly recommended to NOT install Smoke Detectors in these rooms. Is it permissible to not exclude these devices in the aforementioned rooms?	The smoke detectors are not required in the rooms indicated. They shall be excluded from the project. The smoke detectors are not required in rooms 110/111 & 115/116. Smoke detection is still required in all other rooms not listed in the inquiry, due to sleeping in the building. Per Fire Marshal and building code.

Wednesday, August 07, 2019

11	In the area of the Proposed Truck Sheds #1-#5 – Should the grade be held down at all for the work to be done by others?	Grade should be completed to top of GABC in the areas for the work to be done by others.
10	Can a site visit or access be obtained to the wooded area of the site? We need to examine the size and density of the trees in that area.	Access to the wooded area can be obtained by checking in with the main office at time of visit. Main office is first door on the right inside of Administration building.
9	Where is the utility manhole, item 8 on breakout sheet 2 located?	The manhole is actually listed as, “Handhole – See Detail 4 on E-403” at the bottom Sheet 67, E-101. If you go to Sheet 74, E-403, you will see that it is Detail 3 (not 4) which is item 8 identified on breakout sheet 2.
8	What has changed with the lumber specification? We can't seem to find any difference between the current version and the previous one used for the phase 1 bid.	Spruce/Pine/Fir #2 was added as an allowable species for the 061000 Specification under 2.3.A Non-Loading Bearing Partitions. Our structural engineer has re-checked the associated material properties with the design and concluded that the design would still be viable if using Spruce/Pine/Fir #2 in lieu of Southern Yellow Pine #2 for the beams, headers, posts, and joists. The truss design will be per the truss manufacturer's requirements. Therefore, Spruce/Pine/Fir #2 has been added to acceptable non-load bearing partitions and has been found to be acceptable for structural applications as noted above.
7	Where is bid item 24, 18” RCP FES located on the drawings?	Sheet 7, CP-01, shows FES 300 in top left. Sheet 8, CP-02, Flared-End Section Schedule describes 300 as 18” RCP. It has been determined that the reference to FES 300 is actually a 15” RCP FES. This will be corrected via addendum.

Q #	Question	Answer
6	Will bid items 15 and 16 be used for patching of the site electrical trenches?	Yes.
5	Can an earthwork summary be provided that explains where the 24,243 CY of type F borrow, and the 3,357 CY of type A borrow is being used?	Earthwork Summary will be provided as an addendum.
4	Where is bid item 4, Structural Excavation being used on the site?	Item 207000 Structural excavation is utilized to excavate drainage pipe trenches on the site.

Friday, August 02, 2019

3	Please confirm yesterday's bid meeting was NOT mandatory to attend in order to bid the project. The RFP does not state the pre-bid meeting was mandatory to attend in order to bid the project however the sign in sheet posted on Bids Delaware.gov states Mandatory Pre-Bid Meeting.	The Pre-Bid Meeting Sign In Sheet is incorrect. The Pre-Bid Meeting was non-mandatory.
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Thursday, August 01, 2019

2	Item 61, 6" Topsoil – Where on the site is 15,172 SY of topsoil being used? The majority of the site is paved or future building footprints.	This item is being used on all areas between the edge of pavement and the Limits Of Construction, and also where indicated on the plans. Topsoil will not be used in areas identified as "Future Truck Shed".
1	Where is item 17, PORTLAND CEMENT CONCRETE PAVEMENT, 12" being used on the project?	This item is being used to pay for Pavement Section "C". Refer to dumpster pads on Sheet CP-01 and Pavement Section "C" detail on Sheet DT-02.