

Delaware Department of Transportation

**QUESTIONS AND ANSWERS**

**T201280103.01**

**MIDDLETOWN CREW QUARTERS AND MAINTENANCE SHOP, NEW CASTLE COUNTY**

**Friday, July 17, 2015**

<b>Q #</b>	<b>Question</b>	<b>Answer</b>
52	Answer to question 39 does not address the complete hold down assembly required at the top of wall plate to roof structure. Please provide model number for the pieces that connect the roof structure to the top plate.	Referenced component is the Simpson Strong-Tie® Model MGT or approved equal.

**Wednesday, July 15, 2015**

51	Would it be possible to get a bid extension from the July 21st bid date?	The bid date will not be extended.
50	Can the AISC certification be waived for the structural steel?	The AISC certification will not be waived.
49	There is no pay item for plantings. Please advise where this cost should be assigned.	See note on Sheet C-09: "THIS SHEET FOR INFORMATIONAL PURPOSES ONLY. TO BE CONSTRUCTED BY OTHERS."
48	Sheet A-510, Detail 3 Wall Section, what is the 1/2" or 3/8" of non-combustible support to underside of insulation to consist of?	Gypsum board
47	The specification 073113 2.8 Steep-Slope Roof Sheet Metal Fabrications call out and Aluminum-Zinc Alloy-Coated Steel, Uncoated. Are they looking for a bare .032 gage aluminum or a bare 24 gage steel? Please Clarify	The specifications call for the use of either galvanized steel or Galvallume (aluminum-zinc alloy coated steel) for flashing on the roof. Either material may be used.
46	The specification 073113 2.6 Roof Drainage Sheet Metal/Downspouts call for round downspouts and also on plan page/detail 5/A-102 calls for a 3" x 4" 24 GA. PTD Alum. Downspout. Please Advise?	See response to question 45.
45	The specification 073113 2.6 Roof Drainage Sheet Metal Fabrications the gutter and downspout is called for a galvanized steel and on plan page/detail 5/A-102 is called out a 24 gage Aluminum. Please clarify if they want aluminum or steel?	Gutters to be formed out of 20 gauge aluminum with a pre-finished siliconized polyester finish. Fasteners and straps to be aluminum

Q #	Question	Answer
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**Tuesday, July 14, 2015**

44	Can you also confirm the thickness of the Porch slab and stone base, the structural seem to indicate 5” slab on 5” of stone, but drawing A101 states 4” slab on 4” of stone?	See response to Question 7.
43	Detail 15 on S201 is the Generator pad Detail, I do not see a dimension for the thickness of the slab? It also states the width & length of the pad are based on the Generator, is that information available yet or should we just scale the plan view on the structural for the purpose of bidding?	Slab thickness is 1’-6”. Drawings should not be scaled.

**Friday, July 10, 2015**

42	Please provide specifications and basis of design for the Automatic Temperature Controls for the project.	The facility is not intended to receive a central BAS system. HVAC equipment will be controlled with local on board controllers as indicated on contract drawing M-601 (sheet 40) and the HVAC equipment contract specifications.
41	Please provide information on the existing well to be abandoned.	The existing water service well will be abandoned and replaced with water service fed from the street. The existing well is designated as D-6 on sheet 4.

Q #	Question	Answer
40	<p>A. Where can we find the bid submission requirements/instruction to bidders?</p> <p>B. In particular what forms are required to submit with the bid?</p> <p>C. Procedures with Expedite and saving to provided CD?</p> <p>D. What changes are acceptable to the paper copy of Bid Proposal.</p>	<p>A. There are two primary locations for Instructions and requirements;</p> <ol style="list-style-type: none"> <li>1. The Bid Proposal for Contract T201280103.01; cover page thru page 6, located on the Bids.Delaware.gov website; and</li> <li>2. The Specifications for Road and Bridge Construction, August 2001; 11-24-2014 Additions &amp; Revisions, primarily Sections 102 and 103, located at <a href="http://www.deldot.gov/information/pubs_forms/manuals/standard_specifications/pdf/supplemental/supplemental_specifications_2014-11-24.pdf">http://www.deldot.gov/information/pubs_forms/manuals/standard_specifications/pdf/supplemental/supplemental_specifications_2014-11-24.pdf</a></li> </ol> <p>B. (You must first be registered with DeIDOT); Bid Proposal Forms following page 74; List Of Subcontractors; Breakout Sheets; Certification; and the Bid Bond with insurance company Power of Attorney.</p> <p>C. Procedures found in Prospective Bidders Notes paragraph 3.</p> <p>D. Absolutely no changes are allowed to the required submitted forms other than filling in required information.</p>
39	<p>Please provide the specific manufacturer and model number required for the hold down clips at the sole plate/ jack stud intersection and jack stud / top plate to roof structure intersection. Reference detail on sheet S101 lower right hand corner</p>	<p>This information is indicated on contract drawing S-101 per “Plywood Shear Wall Schedule” under the “Hold Down.” Simpson Strong-Tie has changed their model number from the “HD9” indicated to the current model number “HD9B”.</p>
38	<p>Spec calls for a zoned fire alarm system. Is this the true intent, or is a modern addressable system preferred?</p>	<p>Provide an addressable fire alarm system.</p>
37	<p>Specification section 283112 2.7, states Carbon Monoxide Detectors. Drawing EP-102 does not show any like devices.</p>	<p>Carbon Monoxide detectors are not required.</p>

Q #	Question	Answer
36	Specification section 283112 2.1.A, states” Components shall be compatible with and operate as an extension of existing system” also section 283112 2.4.A, states “ provide products by the following”. The latter represents a list of 12 different manufactures, of which no two comply with the section 283112 2.1.A, above mentioned. Please provide the existing system manufacture if applicable.	There is no existing system. Provide Fire Alarm system by one of the manufacturers listed in 2.83112.2.4.A. or approved equal.
35	Specification section 283112 1.4.A1.b, refers to Emergency Communication System. Is this system required as part of the fire alarm?	Fire Alarm Communication System is not required.
34	Specification section 283112 1.2.D, references signed and sealed by qualified engineer. Are the submittal required to be signed and sealed by a licensed PE?	Fire Alarm submittals are required to be signed and sealed by a licensed PE.
33	Specification section 283112 1.2.B10, references duct detectors. EP-102 does not show any like devices. Is there a HVAC schedule or other documents requiring these devices.	Duct Detectors are not required.
32	Drawing EP-102 shows fire alarm AV devices with the potential for low DB in the Supervisors Office and proximity.	Provide bids for Fire Alarm system as indicated.
31	Drawing EP101, keynote #7, what does this conduit feed? What is the conduit size?	The conduit will supply a future Maintenance Building and equipment shed. Provide conduits as indicated on sheet 48 (Addendum No. 3) keynote #11. This responses supersedes the conduit size in question #10.
30	Will there be a site visit scheduled?	A site visit will not be scheduled. Interested bidders can visit the site during normal business hours (Mon-Fri, 7:00am-3:00pm). Please check in at the front office before walking around the site. No questions can be asked and no responses are valid, during the walk thru.

Q #	Question	Answer
29	Specification section 260519-1, part 2, 2-1, C – Multi-conductor cable, no armored cable is allowed. The walls are wood studs, can we use armored cable inside of walls? This is a standard method inside walls. Specification section 280513, part 2, 2.9-D allows MC Cable for fire alarm cabling.	Armored cable shall not be used. All wiring including fire alarm wiring, shall be in conduit.
28	The current fire alarm drawing is not going to pass inspection, some devices are missing, please advise on how to handle this.	All required Fire Alarm Devices are included in the drawings. Provide bids for Fire Alarm system as indicated.
27	Drawing EP102, voice/data and TV locations; what type is cabling is to be used?	See General Communication Notes is on sheet EG-001. Communications systems wiring and connections are not included in this scope. Install empty conduits as indicated.
26	Drawing EP101, sheet note #9, new overhead communication lines; what cable is to be used for this installation?	Refer to contract document Addendum #3 for this work. The overhead line will be relocated below grade. Coordinate with the communications service provide for the cable requirements.
25	A water meter pit would be required for the new water service. Please provide size and details for the water meter pit and piping / meter / backflow preventer requirements.	Back Flow Preventer is indicated on contract drawing P-101 (sheet 42) per key note #1 on plan 1/P101. Water Meter Pit is indicated on contract drawing C-13 (sheet 14).
24	Can Viwinco windows be an approved manufacturer for Section 085413 Fiberglass Windows?	Substitutions may be submitted, though it must meet the performance criteria state in the specification and you will need to submit a point to point comparison to show that the specification requirements have been met. This is done after award.
23	Detail 6-A801 shows bull nose edge on Plastic covered counter. A standard self edge would hold up a lot better.	Bullnosed edging is required.
22	Will you except a Marvin Integrity window as a substitution to Section 085413 Fiberglass Windows?	Substitutions may be submitted, though it must meet the performance criteria state in the specification and you will need to submit a point to point comparison to show that the specification requirements have been met. This is done after award.
21	Is there a profile available for the sanitary sewer system. There is not enough information provided on the drawings in regards to rim elevations on manholes and the depth of the sanitary line, particularly for the jack and bore.	Sanitary sewer system information, including invert and rim elevations, is provided by leader on plan sheet 12 (C-11) in upcoming Addendum 3.

Q #	Question	Answer
20	Is there any exterior building signage or site signage required?	Per sheet 7, two Accessible Parking signs will be installed adjacent to the proposed accessible parking spaces. The signs and posts will be provided by DelDOT. Installation and associated tasks are paid under item 749687.
19	Will a plywood floor area be required for the mechanical equipment above Mech/Elec. 105? And if so will it require an attic stair?	Permanent floor area and access stairs for the mechanical equipment will not be required. Contractor is responsible for any temporary access as required to facilitate installation.
18	Does frame type F-4 occur in the project? I don't see it called out on the plans or on the door schedule.	Door Frame F-4 is not used
17	Plan details show wood sill and drywall jambs for the windows, but specifications call for stain-grade extension jambs?	Follow details on the drawings. Provide 5/4" thick painted wood window sill with bullnose edge.
16	Are the exterior siding and trims pre-finished, or will painting be required?	Pre-finish
15	Does frame type F-4 occur in the project? I don't see it called out on the plans or on the door schedule.	Door Frame F-4 is not used.
14	Do I follow the drawings for the trim at the windows? Plans show only a sill but Specification Section 085413 fiberglass Windows, page 3 says they have stain grade jamb extensions.	Follow details on the drawings. Provide a 5/4" thick painted wood window sill with bullnose edge.
13	What is the exterior scope of work? I don't see a spec section for the siding etc.	Please see specification in Addendum 2 for siding.
12	Please provide a specification for the cementitious siding and confirm if the material is to be factory finished or painted in the field	Please see specification in Addendum 2 for siding.

**Wednesday, July 08, 2015**

11	Can service weight cast iron be used in lieu of extra heavy for sanitary below grade piping?	No, please furnish the below grade piping as specified.
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Q #	Question	Answer
10	Refer to sheet EP101 Note 7- please clarify conduit and wire size for bidding purposes	For bidding purposes assume feeder indicated by sheet keynote 7 to be 4-300kCMIL and 1#2 Ground in 3" Conduit. During construction, it is the contractor's responsibility to determine and match the size of the existing feeder.
9	The drawings require the contractor to provide new secondary conduit and wire to the existing Truck Shed and Shop. Are we required to provide temporary power during the electrical change over for the existing shop and truck shed?	General Specification note 23 on sheet EG-001 states "Interruptions to existing electric services and systems shall be as short as possible and at a time and duration approved by the architect or owner. Include all premium time associated with interruptions." If the time is not deemed acceptable by the architect or owner, temporary power will be required during the electrical change over. It is anticipated that a 2 day outage will be acceptable for the truck shed while the shop will require temporary power if any shut down occurs during normal business hours.
8	Refer to Sheet 6 what does the light grey shading around the existing Shop Bldg represent?	The light gray shading represents 2" of pavement milling followed by a 2" warm-mix, type C overlay. This paving is to be performed after all underground utility and drainage work has been completed and trenches have been backfilled.
7	Architectural plans call for a 4" conc over 4" stone while structural cal for 5" over 5". Which is correct?	5-inch concrete slab and 5-inch stone fill.
6	Please clarify anchor bolt length size for HD jack stud anchors and please advise if drilled and epoxied anchors are acceptable in lieu of cast in place.	<p>For HD jack stud anchors at thickened slab shear wall: For Simpson hold down: Cast-in, 7/8" diameter, Headed, ASTM F1554 anchors with 9-inch embedment. General Contractor to confirm bolt diameter is compatible with Hold Down.</p> <p>For HD jack stud anchors at exterior walls: For Simpson hold down: Cast-in, 7/8" diameter Headed, ASTM F1554 anchors with 8-inch embedment. General Contractor to confirm bolt diameter is compatible with Hold Down.</p> <p>Drilled and epoxied anchors are not acceptable.</p>

Q #	Question	Answer
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**Thursday, July 02, 2015**

5	Please advise if it is acceptable to construct the roof framing system using engineered wood trusses? If so please confirm roof loading design requirements.	It is not acceptable to construct the roof framing system using engineered wood trusses. Modifications to the structural documents will not be endorsed.
4	On A-601, item K in toilet accessory schedule, the B-205 towel bar has been discontinued. The B-530 towel bar is the closest one to the B-205. Also, the B-530 only comes in lengths of 18” and 24”, not 42”.	Please provide the B-530x24 towel bar.
3	Drawing A-601 has a note on toilet room elevation saying floor to ceiling mounted partitions. Specs are calling for floor mounted partitions. Could you clarify this for us please?	Please provide floor to ceiling mounted partitions.

**Tuesday, June 23, 2015**

2	Allied lock and safe will provide the key system per specs, please advised it they will provide IC cores only or if they will include the mortise cylinders / rim cylinders with the IC core.	The mortise/rim cylinders for the IC core may be provided by any manufacturer that will allow for the use of the Allied key system.
1	Ceco does not make a 16ga embossed door (door type D5) would a 18ga door be acceptable since 16ga is not available? Or we could use a flush door in lieu of the embossed panel to achieve the 16ga.	18 gauge face panels will be acceptable for the D-5 doors