

Delaware Department of Transportation  
**QUESTIONS AND ANSWERS**  
**T201451604.01**

Yellow highlighting = previous questions answered in this posting: Q44 through 47

**NEWARK REGIONAL TRANSPORTATION CENTER, STATION BUILDING, NEW CASTLE COUNTY**  
**Monday, October 09, 2017**

Q #	Question	Answer
49	Also can you clarify the location of the rustication strips (Question 20) or provide a quantity/ LF to be installed?	Rustication strips are not required for the project and will be removed from Section 033300 via addendum.
48	Is Monday October 9, 2017 a holiday? Is there going to be an addendum issued today to answer the outstanding specification sections (Question 14) and sealer specifications (Question 19)?	Please, see response to Question 33.

**Friday, October 06, 2017**

47	Construction Key Note #26 on drawing A-704 notes for the stainless steel bike runnel to be painted PT-1. Is this correct. The Stainless Steel bike runnel is to be painted?	The stainless steel bike runnel should not be painted. Omit "Paint, PT-1" from key note #26. Update will be made via addendum.
46	Reference Construction Key Note #14 on drawing A-703 - States the balusters are to receive high performance coating MTL-1. Best I can tell is that MTL-1 is a pre-finish aluminum product. Is MTL-1 correct for key note #14?	Finish should read PT-1 for key note #14. Update will be made via addendum.
45	Please specify a supplier for the 10" square concrete bollards shown on the drawings. None of our precast providers manufacture them.	The Department cannot name a specific supplier or manufacturer for the 10" square bollards.
44	Would the department consider using concrete filled steel pipe bollards embedded in concrete footings in lieu of the concrete bollards doveled into the sidewalk. We feel the steel pipe bollards are more resistant to vehicles striking pedestrians on the sidewalk or the building itself.	The Department requires the bollards to be constructed and installed according to the details and specifications included in the plans.

Q #	Question	Answer
43	Please clarify the scope of VWC/ Painting required on the north and east walls of waiting 100 per the finish schedule on sheet A801, elevations are not conclusive.	Extent of wall covering is shown on interior elevations 2/A-501 and 3/A-501, key note 18. The extent of the wall covering is from the top of the door and window frames up to the finished ceiling. On the north wall, the wall covering is omitted only at the sloping gypsum board above the water cooler.
42	Please prove manufacturer and material specification for concrete sealers referenced in section 099123	Provide a water-based concrete sealer. Manufacturer: Euclid Chemical, Aqua-Cure Vox or equal.
41	Please provide paint system manufacturer and quality level of paint for section 099123 Painting	Basis of Design manufacturers are provided on A-801. Quality level is defined in spec section 099123 – INTERIOR PAINTING (3.6 A.)
40	Spec Section 077273 Vegetated Roof Systems section 1.2.B.1 refers back to section 071416 Roofing. When referring back to section 071416 the section describes polyurethane waterproofing not roofing. Please provide a complete roofing specification coordinated with the requirements for the project.	Refer to answered Question 15. Basis of Design product, Kemperol 2K-PUR, is a fleece-reinforced monolithic roofing membrane system.
39	Sheet 8 indicates 6” sidewalk paid under item 705002, leading up to each entrance to the station. However, sheet A004 provides a clear distinction between the sidewalk and architectural cast in place slabs at the entrances. Please clarify which drawing is correct. If A004 is correct please define cast in place architectural concrete finish and concrete mix requirements for the entrance slab areas.	The delineation of concrete slabs on A-004 is correct. Architectural cast-in-place is defined in spec section 033300 – ARCHITETCURAL CONCRETE. Finish to be “Grout-Cleaned Finish” (3.7 B).
<b>Thursday, October 05, 2017</b>		
38	Can you tell me when the addendum 2 will be coming out, and if the bid date will be getting extended?	See response to Question 33.

Q #	Question	Answer
-----	----------	--------

**Wednesday, October 04, 2017**

37	Several areas on the building you are calling for roofing membrane, this cannot be the same system as the Cold Fluid Applied Waterproofing. Please clarify.	The Cold Fluid Applied Waterproofing section gives a “Basis of Design” product and that is the membrane to be applied over the entire roof, including the vegetated roof.
36	“Rob Roy” specified for underground raceways – pvc, schedule 80 at most, should be all that’s needed?	Provide Schedule 80 PVC in lieu of PVC coated RGS indicated on the drawings for concrete encased ductbank outside the building. This update will be included via addendum.
35	Back boxes, stubs-ups to accessible ceiling area & string (rough-in only) for communications & security?	Conduits w/ pull strings (rough in only) from the MDF to Back Boxes in locations indicated on plans for CCTV and Access Control only. All other systems require cabling, equipment and commissioning as indicated.
34	Is it all in rigid conduit per electrical cover sheet? Other dwgs and specs refer to EMT?	Provide Rigid Galvanized Steel conduits per E-001 Note 7.
33	Will the bid date for this project be extended?	Addendum 2 is anticipated to be issued week of October 9, bid date will be extended.

**Monday, October 02, 2017**

32	Please confirm the Field Office in special provision 759501 is required? Please provide a location on the site for the field office in order to properly estimate incidentals related to the pay item.	A field office is required for this contract. The location of the field office is at the contractor’s discretion. There is open space to the west and south of the parking lots being constructed under Contract No. T201451603 that could be potential locations for a field office.
31	Line item 0070 of the bid form “211000 Removal of structures and Obstructions” Lump Sum. Is this line item for the demolition of the current building?	Per note 4 on sheet 4, 211000 includes the current station building as well as other current structures on the site.
30	Please provide specifications, manufacturer and model no. for the benches shown in the waiting area. If benches are NIC please disregard.	Specifications for benches will be included in Appendix A, Section 129300 – SITE FURNISHINGS, Paragraph 2.1 SEATING. Pages 129300-1 and 129300-2 will be added via addendum (See question 16).

Q #	Question	Answer
29	Spec Section 076200 Sheet Metal Flashing and Trim indicates roof edge flashing to be .019 thick Stainless Steel while the drawings indicate aluminum break metal of unspecified thickness and finish. Please clarify the material, thickness and finish to be utilized at roof edges.	Aluminum break metal specifications will be added to Appendix A via addendum.
28	Please provide specifications for Louver Screens surrounding the Utility Pad. Section 089119 Fixed Louvers does not appear to address the referenced louvers.	Details will be added to Section 323119 – Aluminum Louver Fences via addendum.
27	Reference sheet 69 detail 4/5 A 201 – please specify material shown vertically above the light reveal. Also please confirm width of reveal where the light fixture is omitted, Drawings are unclear. Please specify acceptable manufacturer, materials and model no for reveals in drywall ceilings.	Material above light fixture represents any required additional support for fixture itself. The reveals shown in details 4/5 on A-201 are continuous beyond the fixtures, therefore the width remains the same.
26	Since the project is funded through FTA grants in part, is a quality control plan, complying with FTA standards, required for the project and administered by a Quality Control Manager? Is the Quality Control Manager required onsite full time or part time?	Section 014000 – Quality Requirements will be added to Appendix A via addendum.
25	Sheet 29, reference “typical architectural joint” is sealant required at the architectural joint at construction joint detail?	Sealant is not required at Architectural Joints.
24	Sheet 8, reference note RM/C “EX-CON” adjacent to +313.00, please define extent and conductors within the existing conduit to be demolished. Please define any new work associated with the demolition of the conduit to ensure connectivity is maintained if required.	The existing conduit (“EX-CON”) noted to be removed by the Contractor will be abandoned in place or removed under Contract T201451603. The Contractor will not be required to maintain connectivity because new light fixtures will be in place that connect to the proposed light fixtures shown on LI-02 (Sheet 20).
23	Sheet 8 indicates a number of existing utility poles and overhead lines that conflict directly with building elements or with building / site construction. Is DelDOT working directly with the utility providers to relocate utilities that conflict with building construction? Plan UR-01 does not indicate the removal of such utilities.	These poles and lines will have been relocated by others prior to the start of construction on this contract.
22	Please provide a manufacturer and model number for the 10”x10” concrete bollard shown on sheet 11	Please see Bollard Detail on sheet 11 (DT-01) and special provision for item 720556 for bollard requirements.

Q #	Question	Answer
21	Request a bid item be added for sheeting and shoring required along C column/wall line which is approx. 11'-12' from the yard track baseline/LOC and within 7-8' of the proposed silt fence location in the same area. Excavation and benching for the approx. 9' deep foundations will require sheeting/shoring. Also please define the zone of influence for this area so sheeting/shoring can be designed.	The yard track baseline shown on the structural plans is the future alignment of relocated track that will be constructed under a future contract. The back wall of the proposed station building is about 41 feet south of the nearest existing track and about 15 feet south of the temporary construction easement. The need for sheeting and shoring is not anticipated.
20	Both wood and metal rustic strips are mentioned in section 033300. Which one is required and where?	Metal or rigid plastic rustication strips are required. This is part of the contractor's means and methods. There will be mockups prior to casting.
19	Section 033300 references colored concrete. Please confirm color and locations of all colored concrete. Please specify if a sealer is required as well.	Color is as specified in 033300 - Architectural Concrete, 2.4.G. Sealer will be added to the spec section via addendum.
18	Reference is made to formliner in the architectural cast in place concrete specification 033300. Please specify manufacturer/finish/type and location of use.	The type of formliner is smooth faced (ref 2.2.D). The location for use is at all architectural concrete elements (ref 1.3.A). Architectural elements are the items that have concrete exposed to public view when completed. Mockups are required prior to casting architectural concrete (ref 1.7.C, therefore the finish of the concrete will be available for comment before pouring operations begin. The specific formliner used (manufacturer) is considered to be a part of the contractor's means and methods.
17	For the utility pad screen wall are there any details that show what the posts are and how the louver get attached?	Details will be added to Section 323119 – Aluminum Louver Fences via addendum.

**Friday, September 29, 2017**

16	Pages 1 and 2 are missing for spec section 129300 Site Furnishings?	The missing sheets from Section 129300 will be added via Addendum.
15	Is there a membrane roofing spec?	The roofing system is covered under Section 071416 COLD FLUID-APPLIED WATERPROOFING.
14	Spec section 033000 Cast-In-Place Concrete make reference to spec sections 312000 Earth Moving and 321313 Concrete Paving. Do they exist, they are not included in our specs.	Section 033000 will be updated via addendum.

Q #	Question	Answer
13	Spec section 099113 Exterior Painting is not included Appendix A Technical Specifications	Section 099113 will be added via Addendum.
12	Are there any fire sprinkler or plumbing specifications?	Fire sprinkler and plumbing specifications will be added via Addendum.
11	Please see the attached substitution request for Samsung to be listed as an approved equal manufacturer for the Variable Refrigerant Flow (VRF) System on the subject project.	Samsung is an approved manufacturer. Mechanical units of the same capability and specifications will be considered during the Submittal process. Any changes to other systems precipitated by the acceptance of substitutions shall be borne by the entity making the substitution.

**Friday, September 22, 2017**

10	Please also clarify the desired depth of planting media as part of the total system assembly. The plant selection (sedum), does not require more than ~4" of soil media, and will typically weigh ~30lbs/sf maximum wet weight above the waterproofing system. If a deeper profile is being considered to meet stormwater retention goals, please indicate the volume of stormwater intended to be retained by the green roof (CF or inches per sf).	4" of planting media is acceptable. There is not a specific stormwater retention volume that needs to be met.
9	A clarification in the vegetated roof assembly requirements is necessary. Specifically, a 9" thick assembly with a maximum dry weight of 30lbs/sf maximum could have wet weights that vary significantly. Please clarify the maximum wet weight for the green roof system the structure can support.	Maximum assembly weight (fully saturated): 50 lb/sf. Total assembly thickness can be less than 9" if it meets other requirements.
8	Will you accept the GreenGrid modular green roof system as an alternate to a continuous vegetated roof assembly? It is a complete system meeting source limitation requirements, including root barrier, drainage component, moisture retention, soil, and plants, in a single module, delivered pre-grown for installation atop the waterproofing system. It generally offers cost savings, is pre-grown providing mature plantings on delivery, and allows for easy post-installation access to the waterproofing (move modules).	A modular green roof system is acceptable.

Q #	Question	Answer
<b>Monday, September 18, 2017</b>		
7	Would the Department consider waiving the AISC certified fabricator and erector requirements specified in section 051200 Structural Steel Framing and 051213 Architecturally Exposed Structural Steel so as long as AISC quality standards are met?	The Department will not waive these requirements.
6	Would the Department consider waiving the AWI certification requirements for the project specified in section 064116 Plastic Laminate Faced Casework Paragraphs 1.5 and 1.6?	The Department will not waive these requirements.
<b>Friday, September 15, 2017</b>		
5	I see that they requested 816' of 6' high temporary. Is there any gates with this temp or will they just swing the panels as a gate? On the 338' of permanent 6' high chainlink will there be barb wire? And then on the single vehicular gate will it be a swing or slide gate? How big? And will it need an operator?	The temporary fence will not have any gates, panels can be swung out of the way as needed. The 6' high permanent chain link fence will not include barbed wire. A swing gate is preferred for the single vehicular gate. The width of the roadway to be gated is 28'. The gate will not need an operator, it will be opened and closed manually as needed.
4	GE- Momentive Performance Materials, Inc. would like to propose a substitution request for your review and approval on the above referenced project. GE ELEMEX 2600 AWB system can meet the specification requirements and could be an alternate to Carlisle currently listed in the specifications.	The material presented is an acceptable substitution for the materials referenced in Section 072726, Part 2.3 of Appendix A.
3	Regarding Section 275116 AUDIO/VISUAL PUBLIC ANNOUNCEMENT SYSTEMS; PART 2.5 7. states "All signs shall be designed for a minimum life of ten (10) years.". If the VMS required is of LCD Type; request that the verbiage in this be changed to "All signs shall be designed for a minimum life of five (5) years." due to the standard life expectancy of a LCD display.	The VMS required for this contract are LCD; therefore, the designed minimum life should be five (5) years. This answer shall supersede the language in Appendix A.
2	Regarding Section 275116 AUDIO/VISUAL PUBLIC ANNOUNCEMENT SYSTEMS; PART 2.5 title states LED VARIABLE MESSAGE SIGNS. The rest of the section products and plans support a LCD type model. Please confirm that the VMS required for the project are LCD Type and not LED Type.	The VMS required for this contract are to be LCD. The heading of Section 275116, Part 2.5 is incorrectly titled LED VARIABLE MESSAGE SIGNS (VMS). This answer shall supersede the language in Appendix A.

Q #	Question	Answer
1	Regarding Section 275116 AUDIO/VISUAL PUBLIC ANNOUNCEMENT SYSTEMS; please confirm that the VMS are to be installed indoors and not outdoors.	All VMS in this contract are to be installed indoors, per sheet 150.