

Pre-bid questions and answers for:

FPN: 256890-1-52-01

Contract #: T7151

Let Date: 03/28/12

Below are the pre-bid questions and answers. We appreciate your patience and look forward to your favorable bids.

Submitted 03/01/12:

1. Question: Typical section 1 of 5 on sheet 17 has a detail for the asphalt curb pad with a note new construction, type 12.5 only. Could you confirm that this is simply a detail showing the asphalt curb pad where the new base is B12.5 only is to be constructed, and the note does not imply that all of the new construction is B12.5 only.

Response: (3/23/12): You are correct, the detail is for Asphalt Curb pad where there is B12.5 and does NOT imply all new construction is B12.5.

Submitted 03/05/12:

2. Question: Are the computation books available for all FPN projects associated with this contract?

Response: (3/23/12): The Department does not guarantee the details or computations contained within the computation book. The computation book is provided for informational purposes only and is not part of the contract documents. The bidder shall make independent calculations and base the bid solely on these calculations. The bidder's submission of a proposal is prima facie evidence that the bidder has not relied on the computation book. No claim for compensation may be based on an inaccuracy contained within the computation book. The computation book is available for download from your order history in online ordering. URL:

<https://www3.dot.state.fl.us/ContractProposalProcessingOnlineOrdering/>

Submitted 03/06/12:

3. Question: Per Note 30.2 Sheet 47, please provide lab analytical results of the ground water sampling performed by the Department.

Response: (3/23/12): The requested information is available for download at the following URL: <ftp://ftp.dot.state.fl.us/LTS/D7/d7bidquestions/256890-1/>

Submitted 3/12/12:

4. Question: Sheet 25, Summary of Gravity Wall and Steel Handrail calls for Steel Handrail and Steel Ped/Bike Rail. However, your quantities does not match your plan sheet. On sheet 51 at station 2027+91 is not showing in your Summary. At Station # 3040+61, are we to install per Index 880 or are we to install according to the Summary which calls for Steel Ped/Bike Rail? And lastly, at station 3053+72, no hand rail can be found. Is it the Department intent to install handrail at this location?

Response: (3/23/12): The intent is to include the 10 LF of handrail between Sta. 2027+91.00 to Sta. 2028+01.00 on the Summary sheet. At Station 3040+61.00 the handrail is to be installed according to the Summary which calls for Steel Ped/Bike railing. At Station 3053+72, it is the intent to install handrail from Sta. 3053+72.27 to Sta. 3053+83.73

Submitted 3/14/12:

5. Question: Plan sheet 30 indicates that S-104A and S-104B are to be partial P8 manholes. Plan sheet 149 seems to depict S-104B as a J manhole and both S-104A and S-104B on sheet 149 have pipe sizes and configurations which would seem to require J manholes. Are these partials called out properly on sheet 30 or should they be J-8 partials instead?

Response: (3/2! 3/12): The intent is to use the P-8 Partial Item Number to pay for the modification of the manhole top and top slab of these existing structures as shown in the Drainage Details sheet.

6. Question: Why are S-106, S-118, S-119, S-127, S-214, S-229, S-233, S-251, S-252, S-260, S-280, S-287, S-288, S-513, S-512 called out as (CAST-IN-PLACE)? (If the requirement is that the top (and throat on curb inlets) have to be cast in place but the bottom can be precast that, please make that clear.)

Response: (3/23/12): These structures are called out as cast-in-place because they do not meet the recommended minimum distances from the inlet elevation to the pipe flow line for the Department's standard inlets, as established in the 2010 FDOT Storm Drain Handbook. For strength reasons, it is best to maintain a minimum amount of precast concrete section above the pipe. Where pipes are placed high in a structure, the structure has little if any, strength above the pipe. This can result in breakage during shipping or handling. However, the contractor has the option to pre-cast structures, and will be required to provide shop drawings with all the appropriate dimensions, to assure that no conflict will exist between pipes and the structure.

7. Question: Why are S-127 and S-222 called out in the drainage structure drawings as cast in place yet the summary of drainage gives no such remark? Do they need to be cast in place?

Response: (3/23/12) S-127 is correctly called out as cast-in-place in the drainage structure drawings, per the methodology described above in response to the question above. S-222 can be pre-cast.

8. Question: S-125 calls for a concrete jacket in the plan sheet (52) but not in the summary of drainage; please confirm that a jacket is required at S-125.

Response: (3/23/12): The concrete jacket is required at S-125, the plan sheet (52) drawing is correct and the summary of drainage structures also indicates within the remarks that the structure requires a concrete collar.

9. Question: On plan sheet 153, you depict the storm run (30") from S-110 to S-109 along with depicting a nearby power structure. You indicate "NO MACHINE EXCAVATION WITHIN 5.0' OF FOOTING OR LEG. TRENCH TO REMAIN OPEN A MAXIMUM OF 3 DAYS". On plan sheet 50, you show this same line being installed in a 54" casing by jacking and boring. First, why does this jack and bore casing not show on plan sheet 50? Second, this casing will be approximately 3.25' away from this footer, which of course will mean the boring machine augers will excavate within 5' of the footing. How are we supposed to comply with both the requirement to not machine excavate and the requirement to jack and bore when they clearly contradict each other?

Response: (3/23/12): We do not show the jack and bore casing in plan view, typically only in profile view when there is a horizontal crossing. The intent of the note is to prohibit machine operation excavating above ground to come within 5 feet.

10. Question: On plan sheet 55, it appears that the new storm line from S-508 to S-510 is at least partially shown to be installed beyond the limits of construction. Can the limits of construction in this area be adjusted to accommodate this proposed pipe? It would appear there is adequate room within the shown easement to accomplish this.

Response: (3/23/12): The limits of construction can be adjusted during construction to accommodate the proposed pipe while staying within the easement.

11. Question: On plan sheet 55 there is a note "LIMITS OF CONST." at +/-Sta 2059+80 L that appears to be pointing at the easement line rather than the limits of construction line as typically drawn on all the other plan sheets. Please clarify that the limit of construction in this area is the easement line and not the line drawn in the style of what is identified as limits of construction everywhere else.

Response: (3/23/12): The Limits of Construction label at approximately Sta. 2059+80 L is NOT at the easement line. The Limits of Construction is the line drawn in the style of what is identified as limits of construction everywhere else.

Submitted 3/14/12:

12. Question: What is the Typical Section for Sta 1168.30(SB),1167+00(NB) to 1171+66.06? Plan sheets indicate overbuild, no Typical Section.

Response: (3/23/12): The Typical Section for this area is found on Sheet 19. The intent is to extend the limits to Sta. 1171+66.06 (NB) / Sta. 1171+70.00 (SB).

Submitted 3/15/12:

13. Question: On plan sheet 25 in the pay item footnotes you list quantities of temporary storm pipe and structures that are to be included in the lump sum MOT pay item. Unfortunately these same items are shown on plan sheet 308 in the summary of temporary drainage structures with different quantities. Can you explain this apparent discrepancy or revise one of these so that they agree on the quantity of temporary storm required?

Response: (3/23/12): The quantities listed on plan sheet 308 are correct. The pay item footnote will be revised to state the following: INCLUDES THE COST OF INSTALLATION AND REMOVAL OF APPROXIMATELY 415 LF OF TEMPORARY PIPES, 67 EA OF TEMPORARY DRAINAGE STRUCTURES, RISERS, AND CONC. SLABS, 24981.6 SY OF TEMPORARY PAVEMENT, PROJECT INFORMATION SIGNS, TEMPORARY TRANSIT LOCATIONS AND OFF-DUTY OFFICER AS DEEMED NECESSARY BY THE CONTRACTOR.

Submitted 03/20/12:

14. Question: Plan sheet 130 has a detail for the trench drain on this project calls for a very specific trench grate, which we understand is available only through a couple of manufacturers. None of the manufacturers that we have found that make this grate manufacture or engineer the concrete onto which it is mounted. Note 3 specifically states that "TRENCH DRAINS SHALL BE PRE-ENGINEERED, MANUFACTURED SYSTEMS THAT CONFORM TO THE DESIGN LOADING REQUIREMENTS OF AASHTO H-20 AND HS-20". We know of no way to meet the requirement that these be a manufactured system as the concrete is cast in place on the job. We also cannot locate any manufacturers that pre-engineer the concrete portion of this system. Please either provide a source for what you are looking for or modify the notes to allow the concrete to be cast in place. It would be our position that the concrete design should also be provided.

Response: (3/23/12): The Trench Drain is to be a pre-engineered, manufactured system that meets the minimum requirements established in the detail on Sheet 130. This does not prohibit the concrete from being cast in place on the job. The concrete mix design is to be provided by the manufacturer along with the chosen system. The grate is one of the optional purchase items with the manufactured systems and can be ordered separately. This is the same type of trench drain that was specified on the project recently constructed to the south of this project from south of Coachman Road to north of Sunset Point Road.

15. Question:

Response: No response required.

16. Question: Can a detail please be provided for the 42" x 8" wet tap and blowoff assembly at Station 2022+75.00

Response: (3/23/12): The 8 inch opening is manufactured in one joint of the Prestressed Concrete Cylinder Pipe (PCCP) and it is not created with a wet tap. The detail for 8 inch opening in the 42 inch PCCP is provided by the manufacturer of the pipe.

Submitted 03/22/12:

17. Question: 1) With respect to the Clearwater Gas JPA work, there are numerous tee's, valves, caps and fittings that do not appear to be included in payment quantities. How are they to be paid? 2) Installation of the 42" concrete water line for Pinellas County Water is to be directly under the existing 42" water line. Plan note indicates service must be maintained. Does this mean that a temporary 42" bypass is to be installed with service connections? 3) Is payment for item 1820-1-70 (remove cables, 2) per LF of cable or LF of pair?

Response: (3/23/12): 1)The Clearwater Gas items are covered within the Technical Specifications Package submitted, Under paragraph 2.6 on page 5 of 16 calls out all materials are to be provided by Clearwater Gas. 2) The 42 inch water transmission main (WTM) along US 19 will be taken out of service during the construction of the lowering of the 42 inch WTM. The maintenance of the service is required before the 42 inch WTM is taken out of service and once the new replacement pipe is back in service. 3) The payment for item 1820-1-70 (remove cables, 2) is per LF of cable.

Submitted 03/23/12:

18. Question: What optional pipe materials we can use if any for the drainage section of the project?

Response: (3/23/12): Optional Pipe requirements for this project can be found on sheet #39 entitled "Optional Materials Tabulation"

19. Question: 18. Also are the fittings for the underground utility section required to be DOMESTIC or will import be accepted?

Response: (3/23/12): Since this contract is federally funded, the Contractor is required to only use steel and iron produced in the United States, in accordance with the Buy America provisions of 23 CFR 635.410, as amended. Please see Section 6-5.2 of the 2010 Standard Specifications for further details.

20. Question: With respect to the temporary drainage structures shown on summary sheet 308; 1) Are grate elevations and inverts available? 2) Are height of risers available? 3) Is there a detail for the slabs and size available?

Response: