

MEMORANDUM



To: All Interested Bidders
Date: March 25, 2015
Subject: Invitation for Bid #15-0465-OV
53rd Avenue West, 43rd Street West to 75th Street West,
Roadway, Striping & Signal Work (Project#383-6082960)
Force Main 27-A, from 51st Street West to the Southwest
Water Reclamation Facility (SWWRF) Including Reclaimed
Water and Potable Water (Project#406-608298 /
ADDENDUM #3

Bidders are hereby notified that this Addendum shall be acknowledged on page 00300-1 of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without Acknowledgement of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding document, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

The deadline to submit all inquiries concerning interpretation, clarification or additional information pertaining was March 5, 2015 at 5:00 pm. This deadline has been established to maintain fair treatment for all potential bidders, while maintaining the expedited nature of the Economic Stimulus that the contracting of this work may achieve.

Bidders Note 1: Response to questions received at the Information Conference which was held on February 20, 2015 and questions received through the Request for Information period which ended on March 5, 2015.

1. Addendum #2 has revised the Bid Opening date as follows:

FROM: April 3, 2015 @ 3:00 pm

TO: APRIL 10, 2015 @ 3:00 pm

Addendum #3 shall include the following:

2. Roadway and Drainage updated Plan Sheets #61 and #85 (2 total pages)
3. Force Main, Reclaimed Water and Potable Water updated Plan Sheets #U13 and U19 (2 total pages)
4. Traffic, updated Plan Sheets #T-5 and T-6 (2 total pages)

Financial Management
Purchasing Division
1112 Manatee Ave W Suite 803, Bradenton, FL 34205
Phone number: (941)749-3014

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3. Revised Interactive Bid Forms (Bid A & B): (28 total pages)

Roadway and Drainage Bid Items:

- Bid Item #8, Revise description
- Bid Items #24 and 27, Revise quantity
- Bid Items #45 and 46 Revise quantity
- Bid Item #54, Revise quantity
- Bid Item #64, Revise description
- Bid Item #64A, New Bid item
- Bid Item #91, Revise quantity

Force Main, Reclaimed Water and Potable Water Bid Items:

- Bid Item #U5, Revise quantity
- Bid Item #U17, Revise quantity
- Bid Item #U17A, New Bid item
- Bid Item #U21, Revise quantity
- Bid Item #U22, Revise quantity
- Bid Item #U25, Revise description
- Bid Item #U38, Delete item in its entirety
- Bid Item #U39, Delete item in its entirety
- Bid Item #U47, Revise description

Revised Special Provisions dated March 24, 2015 adding Wetland Creation to clarify bid Item #67. (28 total pages)

Bidders Note 2: Contractors are hereby advised that Bright House will be installing underground ducts on the north side of 53rd Ave as shown on the utility adjustment sheets. At the preconstruction meeting, the date of their work, the depths of their proposed and existing ducts, and when they will finish abandoning their existing ducts on the south side will need to be confirmed and coordinated with Bright House.

Responses to Roadway and Drainage

Question 1: Will the contractor be required to perform any testing of the drainage pipelines, both RCP and A2000 PVC? IE: Video inspection and/or laser profiling?

Response 1: Refer to special provisions under Post-Construction Storm Pipe Testing. The Contractor shall inspect & televise all newly constructed storm pipes. Video DVD and report shall be provided for those pipes whose diameters are equal or smaller than 48 in, following FDOT Specifications latest version. Laser profile data shall be included for all non-RCP pipes.

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Question 2: Please provide the size and depth of the existing well shown on plan sheet 65 of 85. This must be known to obtain a price to plug it as indicated.

Response 2: The structure shown at station 73+67 80' Rt. is not a well. The existing well is located approximately 200 feet to the south. The structure in question is a farm irrigation riser that needs to be relocated 40 feet to the south adjacent to relocated agricultural ditch. Work includes removal of 40 LF of 6 inch PVC pipe and relocation of existing irrigation riser. The payment shall be made under bid item # 8, Clearing & Grubbing.

Question 3: The reason I called was regarding the amount of detectable warning panels (truncated domes) that are going to be on the 53rd Ave West, 43rd St. West, to 75th St. West Roadway, Striping & Signal Work Project?

Response 3: The quantity for Bid item Line No. 61 is 5,007 SY, 4" Concrete Sidewalk which include seven (7) detectable warning (truncated domes) panels and are to be included in the bid price.

Question 4: Reference specifications, Section 02223, EXCAVATION BELOW GRADE AND CRUSHED STONE OR SHELL REFILL, there is no bid item for this scope of work, please provide.

Response 4: Bid Item #10, Excavation, Subsoil, can be utilized if unsuitable material is encountered.

Question 5: Reference bid form, Line No. 67, Item No. 570-MC, Wetland Creation, will we be responsible for maintenance and monitoring of this site after planting? If so, please give us the frequency of reporting and for how long to maintain and monitor. What size are the plants to be? It would also be helpful if the scope of work for this bid item be elaborated on in the Special Conditions of the specifications or in the Measurement and Payment section of the specifications. Perhaps separate bid items with quantities for each species of plant, maintenance and monitoring should be incorporated into the bid proposal form. Please provide clarification for this bid item.

Response 5: The Contractor will be responsible for maintenance and monitoring schedule of Wetland Creation until the approval of substantial completion and approval of SWFWMD (Southwest Florida Water Management District) inspection. Contractor warranty / maintenance schedule shall begin at the date of substantial completion and approval of SWFWMD inspection and shall include: 90 day Maintenance period, 18 week Hand watering, one (1) year Warranty period for trees and plant material.

Plant sizes have been added to Plan Sheet# 85 of 85. Revised Special Provisions, dated March 24, 2015, pages 23 through 25 provide for clarification of Bid item No. 67.

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Question 6: Reference bid form, Line No. 29, bid quantity shows 75LF, plans show 108LF, please review.

Response 6: Bid quantity 75 LF is correct. The Bid Plans show the actual length of side drain needed for hydraulic calculations. The bid quantity is the actual length of pipe minus the length of pipe that is included under unit price for mitered end section, i.e. dimension 'F' per FDOT standard drawing index.

Question 7: Reference bid item, Line No. 30, bid quantity shows 22LF, plans show 164LF, please review.

Response 7: Bid Item, Line No. 30, is correct. Please refer to response 6.

Question 8: Reference bid form, Line No. 31, bid quantity shows 26LF, plans show 56LF, please review.

Response 8: Bid item, Line No. 31 is correct. Please refer to response 6.

Question 9: Reference bid form, Line No. 32, bid quantity shows 73LF, plans show 168LF, please review

Response 9: Bid item, Line No. 32 is correct. Please refer to response 6.

Question 10: Reference bid form, Line No. 33, bid quantity shows 167LF, plans show 324LF, please review.

Response 10: Bid item, Line No. 33 is correct. Please refer to response 6.

Question 11: Reference bid form, Line No. 34, bid quantity shows 19LF, plans show 24LF, please review.

Response 11: Bid item, Line No. 34 is correct. Please refer to response 6.

Question 12: Reference bid form, Line No. 38, bid quantity shows 765LF, plans show 838LF, please review.

Response 12: Bid item, Line No. 38 is correct. Please refer to response 6.

Question 13: Reference bid form, Line No. 39, bid quantity shows 719LF, plans show 732LF, please review.

Response 13: Bid item, Line No. 39 is correct. Please refer to response 6.

Question 14: Reference bid form, Line No. 40, bid quantity shows 19LF, plans show 36LF, please review.

Response 14: Bid item, Line No. 40 is correct. Please refer to response 6.

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Question 15: Reference bid form, Line No. 41, bid quantity shows 443LF, plans show 483LF, please review.

Response 15: Bid item, Line No. 41 is correct. Please refer to response 6.

Question 16: Reference bid form, Line No. 42, bid quantity shows 120LF, plans show zero, cannot find any, and please review.

Response 16: The proposed 19" x 30" ERCP cross drain is located at station 87+70. The Bid item, Line No. 42 is correct.

Question 17: Reference bid form, Line No. 43, bid quantity shows 190LF, plans show 208LF, please review.

Response 17: Bid item, Line No. 43 is correct. Please refer to response 6.

Question 18: Reference plan sheet 85 of 85, where exactly is the 0.38 acre Herbaceous Enhancement, the 0.57 acre Forested Enhancement and the 0.15 acre Herbaceous Creation Areas? Can these areas be better defined on the site plan, or are they staked in the field?

Response 18: The wetland limits have been flagged and staked by Surveyor. Approved limits are shown on bid plans. These points can be identified in georeferenced AutoCAD file and re-staked, if necessary.

Question 19: Reference plan sheet 85 of 85, the Herbaceous Enhancement area and the Herbaceous Creation area are to be excavated 12-inches below seasonal high water level in order to do this these areas will have to be cleared and grubbed, we presume that heavy equipment will be allowed to perform this work, please clarify.

Response 19: Small backhoes, bulldozers and hydroaxes are appropriate. Refer to revised Special Provisions dated March 24, 2015, pages 23 through 25, Environmentally Sensitive Mechanical Removal.

Question 20: Reference plan sheet 85 of 85, the Forested Enhancement area will need to be cleared to remove exotics, will heavy equipment be allowed to perform this work?

Response 20: Refer to specification under Environmentally Sensitive Mechanical Removal. Refer to Special Provisions dated March 24, 2015, pages 23 through 25.

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Question 21: Reference plan sheet 85 of 85, is the buffer area around the wetland to be cleared and will heavy equipment be allowed to perform this work prior to planting?

Response 21: All Brazilian pepper and lead tree are to be removed. Trees to be saved will be flagged by an ecologist provided by County. Regarding heavy equipment, refer to Special Provisions dated March 24, 2015, pages 23 through 25, Environmentally Sensitive Mechanical Removal.

Question 22: Reference plan sheet 85 of 85, is anything to be done in the undefined areas outside the wetland buffer along the southern and eastern sides of the wetland and around the 0.148 Upland Island located in the northeastern corner?

Response 22: Nothing is to be done and the Contractor should not enter this area.

Question 23: Reference plan sheet 85 of 85, is the perimeter of the wetland flagged?

Response 23: Yes. This wetland has been flagged by County Environmentalist and approved by SWFWMD. These points can be identified in AutoCAD file and re-staked, if necessary.

Question 24: Reference plan sheet 85 of 85, will the following methods for exotic removal be acceptable: (1) Herbaceous to be treated and left in place? (2) Trees to be stump cut painted with herbicide and debris removed from site? Please clarify.

Response 24: Refer to specification under Environmentally Sensitive Mechanical Removal and under Nuisance and Exotic Removal, reference Special Provisions dated March 24, 2015, pages 23 through 25.

Question 25: Reference bid form, Line No. 45, bid quantity shows 3-Each, plans show one (1) double barrel miter, and two (2) single pipe miters, is the double to be paid as two (2) singles? If the double miter is to be paid as two (2) singles then the bid quantity needs to be changed to four (4). Please review.

Response 25: Please note there are only two (2) single mitered end sections. Bid item, Line No. 45 has been revised from 3 each to 2 each.

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Question 26: Reference bid form, Line No. 48, bid quantity shows four (4), plans show one (1) triple barrel miter and one (1) single pipe miter, is the triple barrel miter to be paid as three (3) singles? The F.D.O.T. would have a separate bid item for two (2) barrel and three (3) barrel mitered ends. Please clarify.

Response26: Yes. The one (1) triple is to be paid for as three (3) singles. The Bid item, Line No. 48 is correct as shown.

Question 27: Reference bid form, Line No. 49, bid quantity shows five (5), plans show two (2) double barrel miters and one (1) single pipe miter, are the double barrel pipe miters being paid as single mitered ends?

Response 27: Yes. The double barrel pipe miters are to be paid for as single miters. The Bid item, Line No. 49 is correct as shown.

Question 28: Reference bid form, Line No. 50, bid quantity shows two (2), plans show one (1) double barrel mitered end, are double barrel pipe miters being paid as single mitered ends?

Response 28: Yes. The double barrel pipe miters are to be paid for as single miters. The Bid item, Line No. 50 is correct as shown.

Question 29: Reference bid form, Line No. 54, bid quantity shows seven (7), plans show two (2) double barrel mitered ends, and four (4) single pipe miters, are the double pipe miters to be paid as singles? If so, the bid quantity should be eight (8). Please review.

Response 29: There are eight (8) mitered end sections for Bid item, Line No. 54. Bid item, Line No. 54 has been revised from 7 each to 8 each.

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Question 30: Reference plan sheet 61 of 85, structures at stations 134+69 and 135+60, there is no bid item for these two (2) structures, please review.

Response 30: The structures at stations 134+69 & 135+60 will be paid for under Bid item, Line No. 27. The Bid Item No. 27 has been revised from 1 each to 3 each concrete block box 4' x 4'.

Question 31: Reference plan sheet 61 of 85, control structure at station 140+46, there is no bid item for this structure, please review.

Response 31: The structure at station 140+46 will be paid for under Bid item, Line No. 24. The Bid Line No. 24 has been revised from 5 each to 6 each, Inlet (Dt. Bot.) (Type D, Modified) (<10').

Question 32: Reference plan sheet 61 of 85, the 24-inch side drain mitered end pipe that discharges into the ditch, does not seem to be included in the bid form, please review.

Response 32: The side drain that discharges into the County ditch will be paid for under Bid item, Line No. 46, MES (Cross Drain) 24". Please note there are also two (2) MES cross drains at station 114+37 Rt. and one (1) at station 87+76 Rt. The Bid Line No. 46 has been revised from 2 each to 4 each, MES (Cross Drain) 24".

Question 33: Reference bid form, Line No. 24, bid quantity shows five (5), plans show two (2) as "Modified" and three (3) as standard Type "D" inlets, what constitutes a "Modified" structure in this case? Please clarify.

Response 33: Please refer to Table on sheet # 83 of 85. All said structures are Ditch Bottom Inlets, Type 'D', Modified. The bid plans were mis-labeled.

Question 34: Existing topography not shown on sheet 61 of 85 for the construction of wet pond, please provide existing grades to be able to do an earthwork takeoff.

Response 34: Please refer to revised Bid Plan Sheet 61 of 85 which now shows existing topography.

Question 35: No detail found for the emergency crossing per sheet 32 Station 71+70 located in the median. Please specify.

Response 35: Please refer to Bid Plan Sheet 80 of 85 showing detail of the proposed emergency crossing located in the median.

Question 36: What permits will be required by Manatee County to be obtained by the contractor?

Response 36: ERP permit and FDEP permit have been included in the bid package. The Contractor will be required to obtain all other permits required to conduct the construction, including but not limited to a dewatering plan (to be approved by SWFWMD), and an Open Burning Permit if Contractor chooses to burn invasive plant species in lieu of hauling off site.

Question 37: Brazilian Pepper Trees were observed during our site visit to the project site. Brazilian Peppers are on the State of Florida Invasive Species List and cannot be transported off site without special treatment. Will the County allow burning on site and will the County add a line item and specification section for treatments/procedures to be able to remove them?

Response 37: A State permit is required for burning on site. The Contractor may contact the Division of Forestry (FDACS) to obtain an Open Burning Permit. The Division of Forestry is located on SR 64 by the fire tower. The phone # is 941-751-7629. No additional bid item will be added.

Please refer to the Revised Special Provisions dated March 24, 2015, pages 23 through 25 where sections on Environmentally Sensitive Mechanical Removal, Products - Nursery Grown Plants and Clearing and Grubbing have been added.

Question 38: There is no bid item for the over-build of asphalt for stations 88+00 to 95+50, please consider adding a bid item or directing us to where the cost should be included? Please also specify asphalt type to be used.

Response 38: The quantity of over-build asphalt will be paid under Bid item, Line No. 18, Type S-I Asphalt Concrete.

Question 39: Why the County does not use a Stormwater Schedule from FDOT showing pipe runs, etc.

Response 39: The County will consider this on future projects.

Question 40: Contractor requested more information on well to be capped.

Response 40: Please refer to response No. 2.

Question 41: Bid item # 60, Emergency Crossing, Plan Sheet 58 does not show detail for this item.

Response 41: Refer to response No. 35.

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Question 42: Bid item 11, Channel Excavation, 4,764 CY. Please check quantities on plan.

Response 42: Bid item No. 11, Channel Excavation 4,764 CY is correct. Channel Excavation refers to the relocated agricultural ditch from station 133+90, 115.9' Rt. to station 137+29, 653.8' Rt. It also includes the relocated County ditch from station 135+16, 102.0' Rt. to station 141+08, 412.4' Rt.

Question 43: Storm pipe options should be kept open, not to sole source plastic pipe, get competitive bid.

Response 43: A2000 pipe is selected in this project due to hydraulic efficiency gained through the low manning's coefficient of 0.009. If the Contractor proposes an alternative pipe that has a manning's coefficient no higher than 0.010, the County would consider that option.

Question 44: I am confirming on this bid that the materials testing will be done by the county on the 53rd Ave W Project.

Response 44: Yes, the material testing will be provided by County designated lab.

Question 45: How will the County determine basis for award between Bid A and Bid B, i.e. Lowest Responsive Bidder?

Response 45: Please reference Section C, Bid Summary, Article C.02, Basis of Award, page C-1 for detailed information regarding award of project.

Question 46: A fence supplier called this morning regarding pay item #64. What type of fence is required for this "special" fence? We cannot find any information on this. Thanks for your help.

Response 46: Bid item No. 64, 600 LF is for a Chain Link Fence. See FDOT 550-10-910 Basis of Estimate for full description.

END Roadway and Drainage Questions / Responses

Responses to Force Main, Reclaimed Water and Potable

Question 1: Contractor requested pipe pressures and information on existing pipes for which the contract does require thrust blocks to be designed by a licensed engineer hired by the Contractor.

Response 1: Force Main pressures are typically below 20psi, but surges may occur when pumps start up. The Contractor must coordinate with the County and Town of Longboat Key (LBK) pump station operators to ensure valves that could stop the force main flow are not closed when pumps are ON, otherwise pressures could exceed 80psi during construction. Leak testing of the force mains will require pressure of 100psi temporarily. Pipe material types, if shown on the plans, are from existing records. In general, condition of pipes is not known, however no breaks are known by the engineer to have occurred in the past several years within the project site boundaries.

Question 2: Refer to sheets U4 and U16 of 27. Contractor is concerned about condition of Longboat Key force main since 18" tapping sleeves and valves need to be installed on this 20" pipe at 4 locations.

Response 2: The condition of the 20 inch LBK force main is not known. The Contractor shall make his own determination of the pipe condition prior to starting his work.

Question 3: Contractor requested that DI fittings for water and reclaim lines which are concrete lined be a separate bid item from DI fittings for force mains which are epoxy lined and more expensive.

Response 3: This item is hereby broken down into Bid item No. U17 "DI Fittings - Wastewater", estimated Quantity 55,500 LB, and Bid item No. U17A "DI Fittings - Water", estimated Quantity 7,500 LB. Revised Bid Forms (Bid A & B) are hereby made a part of Addendum #2.

Question 4: Contractor asked where they get paid for removal of pipe if they choose to remove pipe instead of grout fill.

Response 4: The only significant pipe that will need to be removed is the 24" dia. Reclaim waterline, and the cost of removal is to be included in Bid item No. U44 "24 inch DIP (CL 350) Reclaim Waterline (Incl. removal)". Where the Contractor grouts the pipe he will be paid at the unit price bid for grout per Cubic Foot, refer to bid item U21 "Grout Fill Abandoned Mains".

Question 5: Contractor requested that pipe restraint types be bid separately and called out or specified, eg. Megalug vs. bell type restraints.

Response 5: For the 18" waterline, restraints in PAY ITEM U51 shall be bell type; for the fittings on force mains, reclaim lines, and 8" potable waterline, in PAY ITEMS U8, U9, U10, U11, and U45 megalugs or equal will be required in most cases, however some bell restraints may also be required near tie-in points.

Question 6: Contractor stated that it appears there is no bid item for the reclaim line work on sheet U-11.

Response 6: Bid item No. U47 includes all reclaim waterline work shown on this plan sheet and all work necessary to complete the meter installations as shown on sheets U07 and U11.

Question 7: Contractor noted there is only one bid item for hydrants, but some are being relocated and some are new (proposed).

Response 7: The potable hydrant Bid item No. U53 Fire Hydrant Assembly includes all wet tapping and other costs, including supply of new hydrants. Only reclaim hydrants are being relocated, and all costs for relocation, including wet tapping, DI piping, etc. are included in Bid item No. U47 "Relocate and Replace Existing Reclaim Meter Assemblies and Hydrants".

Question 8: Contractor requested more information and wiring diagram for Bid item No. U38 for meter panel and appurtenances.

Response 8: Bid item No. U38 and work is hereby deleted from the contract. The meter vault and panel will not be required. In addition, Bid item No. U39 "2 inch HDPE Elect. Conduit DR11" for the power duct is hereby deleted from the contract.

Delete relevant Plan Sheets U21, U26, and related portions of Plan Sheets U22, and U13 are hereby deleted from the contract.

Question 9: Contractor asked if Hyatt Survey can be used for construction stakeout of the project or if there is a conflict of interest.

Response 9: It will be acceptable for the contractor to use Hyatt Survey for construction stakeout and/or collection of as-built information and production of record drawings.

Question 10: Contractor asked if a temporary signal is required.

Response 10: At 51st Street West a temporary signal or other approved means will be necessary to maintain eastbound traffic flow during construction excavation for the force main because the road widens due to left turn lanes and eastbound lane pavement will be removed. During this time, it is envisioned that eastbound traffic will travel eastbound in the current left turn lanes temporarily.

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Question 11: Contractor asked if the Unit of Measure for bid item U51 “ 18” Pipe Restraints for Existing 18” Waterline ” should be EACH or linear feet (LF). Is this quantity and unit correct?

Answer 11: Bid item No. U51 for Pipe Restraints shall be measured per EACH as indicated in the bid form. The quantity and unit of measure is correct.

Question 12: Contractor asked if materials testing will be done by the County on the 53rd Avenue road and force main project.

Answer 12: The Contractor is referred to utility specifications section 01410 for details. The County will pay its testing lab for in-situ (eg. Subgrade) site soils testing for the purposes of classification and backfill, backfill compaction testing, and cast in place concrete strength testing.

Question 13: Refer to sheet U4 of 27, the note pertaining to Deadman Thrust Block requires the Contractor to retain a licensed Professional Engineer to design the thrust blocks. Please remove this note, since Contractors do not carry Error and Omission insurance.

Response 13: The design of the Thrust Blocks in this project will depend in part on the Contractor’s means and methods and soil conditions at the time of his work. For this reason, it is appropriate for the Contractor to retain an engineer to design the Thrust Blocks. The Contractor should require his engineer to have appropriate Errors and Omissions insurance.

Section D, Insurance Requirements have been revised to require the successful Contractor to ensure the Professional Engineer who has been retained to design the Thrust Blocks has Professional Liability coverage for this project. The required limits shall be \$1,000,000 per claim and in the aggregate.

Question 14: Contractor asked if Fiberglass pipe can be bid as an alternate to DIP for the 42” force main.

Response 14: It is too late to allow this alternate pipe material for this project. The County Utility Standards do not currently allow fiberglass pipe for force mains, however we are willing to consider using it in future after some research is done and if our utility operations staff is willing to include it in our next version of the standards.

Question 15: Contractor asked if PVC DR21 pipe can be used for the force mains instead of DIP, in particular for the 42" force main.

Response 15: No. The County allows PVC DR21 pipe for force mains in its standards, however 42" PVC has never been used by the County. There are concerns about large diameter PVC because its ability to resist external loading from traffic and soil depends on adequate side support from well compacted backfill. In areas with high groundwater and fine grained soils, it is difficult and expensive to ensure bedding and sidefill is compacted uniformly to the PVC manufacturer's specifications, which can result in pipe failure if not achieved, particularly for the largest diameter PVC pipe. In addition, in areas of congested piping such as at 65th Street and near plants, frequent extensive excavation for new and replacement piping near PVC pipe tends to increase the risk of accidental PVC pipe breaks, whereas Ductile Iron tends to be less susceptible to lower quality bedding and accidental damage. Based on the soil conditions, adjacent piping and potential for future disturbance and needs in the area, the decision was made to use DIP instead of PVC for force mains and other piping in this project area.

Question 16: Contractor asked how many construction photos will be required at each pay period.

Response 16: It will depend on the amount and type of work done during the pay period, but for an estimate, about 15 photos for each pay period, on average, would be recommended.

Question 17: Contractor asked if a field office is necessary to be supplied by the Contractor.

Response 17: Field office is not required by County.

Question 18: Contractor asked if EPDM gaskets will be required for force mains 16 inch diameter and over, in accordance with specification 2615 Ductile Iron Pipe and Fittings para. 2.01C.

Response 18: No. SBR gaskets will be acceptable for force mains.

Question 19: Contractor asked where 16 inch pipe restraints will be used, referring to Bid item No. U10.

Response 19: It is likely that no 16 inch diameter restraints will be required. There is an existing 16 inch diameter waterline at 51st Street West that we believe will not need to be relocated to clear the 42 inch force main, however if any 16 inch restraints are needed, Bid item No. U10 will be used.

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Question 20: On sheet U04 of 27, note #1 requires Contractor to install restraints on existing 20 inch Longboat Key force main and existing 18 inch water main. Contractor asked if he will get paid under bid item U10 "20", 18" and 16" Pipe Restraints – Not for Potable Water".

Response 20: Restraints for the 20" Longboat Key force main will be paid under Bid item No. U10. Restraints for the 18" potable waterline will be paid under Bid item No. U51 "18" Pipe Restraints for Existing 18" Potable Waterline".

Question 21: Plan sheet U04 note says "Contractor shall maintain Longboat Key Force Main Flows at all Times and Coordinate Work with City of LBK as required." Contractor asked for flows at peak and non-peak times and contact information for the individual to coordinate with at City of LBK.

Response 21: Refer to specs section 01030 Special Project Procedures, Para. 1.025 "Emergency Spill Prevention and Control Plan and Insurance", wherein it states "...Average recorded flows in the Longboat Key force main are typically about 1000 gpm and peak flows can reach up to 2800 gpm or more, particularly during rainfall.". Contact person for Town of Longboat Key is Juan Florensa, Public Works Director, Tel. 941 316 1958, ext. 228.

Question 22: Sheet U19 of 27 at Sta. 75+68 shows a 24 inch cross and two 24 inch gate valves, there is no bid item for gate valves in the reclaimed water part of the bid form. Please review.

Response 22: Plan Sheet U19, at Sta. 75+68 shall callout out two (2) 24" "BUTTERFLY VALVES", not gate valves. The bid quantity of 5 EA for Bid item No. U46 "24 inch Butterfly Valve for RCW" in the reclaim part of the bid form includes these two valves. Revised Plan Sheet U19 is made a part of Addendum #3.

Question 23: Contractor asked County to clarify note on sheet U13 of 27 between Sta. 6+00 and 7+00, which says Longboat Key force main is Cast Iron. Is this correct?

Response 23: The County is not certain whether the Longboat Key force main is Ductile Iron or Cast Iron, or some of each. Based on records available, we believe the underwater portion and south of 53rd Avenue to be Ductile Iron, however north of 53rd Avenue it may transition into Cast Iron at some point, possibly inside the plant boundary at or near Sta. 19+00 on sheet U16.

Question 24: At Sta. 3+68 on sheet U13 the proposed 42 inch valve is indicated to be a gate valve but there is no bid item for a 42 inch gate valve. Contractor asked for clarification.

Response 24: Plan Sheet U13, at Sta. 3+68, shall callout one (1) 42" PLUG VALVE" not gate valve. The bid form quantity of 3 EA for Bid item No. U12 "42 inch Plug Valve for Force Main" is correct and includes this plug valve. Revised Plan Sheet U13 is made a part of Addendum #3.

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Question 25: Contractor asked for Bid Item U18 "Connect to Exist. 42 inch Force Main", quantity 2 EA to be broken down into two bid items, including furnishing a DI plug at the plant if necessary.

Response 25: No further breakdown of the bid item will be provided.

Question 26: Contractor asked for Bid Item U35 "20 inch Line Stop" to be broken down into another bid item to pay Contractor for the daily line stop equipment rental rate.

Response 26: No further breakdown of this bid item will be provided.

Question 27: Contractor asked for bid item U14 "20 inch or 18 inch Gate Valve for Force Main" to be broken down into two items, one for 20" and one for 18".

Response 27: No further breakdown of this bid item will be provided.

Question 28: Contractor asked for bid item U17 "DI Fittings" to be broken down into two items, one for epoxy lined fittings and one for cement lined fittings".

Response 28: This item is hereby broken down into Bid item No. U17 "DI Fittings - Wastewater", estimated Quantity 55,500 LB, and Bid item No. U17A "DI Fittings - Water", estimated Quantity 7,500 LB. Revised Bid Forms (Bid A & B) are hereby made a part of Addendum #3.

Question 29: Contractor referred to Specs section 01150 Measurement & Payment, page 34/274, Bid Item 19 "Connection to Existing 30" Force Main", para. 2, last sentence, which states: "Contractor shall drain the existing 30" force main, provide 30" dia. access and allow the County at least 48 hours to clean and inspect the existing force main as part of the scope of work included in this item". The existing 30" force main is approximate 3,300 LF, how many locations for access by the County will be needed to accommodate their cleaning and inspecting? Are there any inline valves on this main that can be used to isolate sections of the pipe for removal of raw sewage?

Response 29: There are existing valves on this 30" force main and the County will arrange for additional access points for cleaning and inspecting as necessary.

Question 30: Contractor asked how he will be paid for capping the existing 30" force main on sheet U6 at two locations between Sta. 101+00 and 102+00.

Response 30: The Contractor will be paid by the pound for ductile iron caps and fittings utilized. No other payment will be made for capping this pipe.

Question 31: Contractor asked for an additional bid item for 30 inch line stops to allow connection to existing 30 inch force main to be made.

Response 31: No 30 inch line stops should be necessary, since this work shall be done near the end of the project. There are inline valves on this 30 inch force main that can be shut to stop flow. However, the Contractor will need to pump out and dispose sewage from the 30 inch force main after it is shut off, in order to connect to it. The cost of such pumping and disposal shall be included in the cost of bid item U19 "Connect to Exist. 30 inch Force Main".

The County will allow the Contractor to pump sewage into the new 42 inch force main after completion via the 12 inch force main stub which the Contractor will install approx. 200 ft. east of this location, or the Contractor may choose another method if approved by the County.

Question 32: Contractor asked for additional details for bid item U38 "Meter Panel and Appurtenances".

Response 32: Bid item No.U38 and Bid item No. U39 are hereby deleted from the Scope of Work and Bid Form A & B.

Question 33: Contractor asked for additional information on which pipes shall be grouted and paid under Bid Item U21.

Response 33: The Contractor shall grout abandoned pipes as directed by the County. It is anticipated that this will include but not be limited to grouting the deep portion of the existing 24" reclaim line under the 60" RCP pipes at the west side of 65th Street, and some or all of the 8 inch force main and 15" reclaim line along the north side of 53rd Avenue, the 10 inch reclaim line along the south side of 53rd, and possibly portions of the 30 inch force main along 53rd Avenue.

Question 34: Contractor asked if the existing 24" reclaim waterline that is to be removed can be shut down during installation of the new 24 inch reclaim line and removed at the same time.

Response 34: Yes. There are existing valves to shut down the existing 24 inch reclaim line, however the Contractor shall not disrupt flow to reclaim waterline customers for more than 7 days in any 14 day period, and shall notify the County of proposed shutdowns at least 14 days in advance and coordinate shutdowns with the County and reclaim customers. Reclaim water can be discharged to an open ditch provided the discharge rate is limited to ditch capacity and does not cause damage from erosion or violate any FDEP or other regulations.

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Question 35: Contractor asked how he will be paid for restoration of existing asphalt and base on sheet U19 due to removal of existing 24" reclaim waterline and installation of new 24" reclaim waterline.

Response 35: Contractor shall be paid by the square yard for asphalt and base restoration as applicable under Bid item No. U22 "Asphalt Road Restoration (Base and Resurface) Type 1". Revised Plan Sheet U19 Is made a part of Addendum #3.

Question 36: Contractor asked if road asphalt disturbed by installation and removal of the reclaim waterline on sheet U19 will need to be milled and overlaid in each direction and how far?

Response 36: It is not anticipated that any milling will be required in this area because the entire existing road will be milled and resurfaced in this area. It is included in the scope of work in the road plans for this project.

Question 37: Contractor asked if there is a bid item for relocation of a potable water meter shown at Sta. 102+85 on sheet U07.

Response 37: No. This work is incidental to the project and cost shall be included in other bid items.

Question 38: Contractor asked for clarification of scope of work on sheet U12 which shows relocating a reclaim hydrant, 6 inch DIP installation, and installing a 24x6 saddle tap on the existing 24" reclaim line.

Response 38: This work shall be paid under Bid item No. U47 "Relocate AND REPLACE Existing Reclaim Meter Assemblies and Hydrants". The scope of this work is described in detail in Measurement and Payment Item U47. The Contractor is advised to read this description carefully to ensure he understands the full scope of work for this lump sum item. The reclaim hydrants shall be installed in accordance with the standard Manatee County hydrant detail UW5 including all appurtenances shown. All proposed reclaim piping and appurtenances shown on sheet U11 is also included in Bid item No. U47.

Question 39: Contractor asked if FDOT type F or Jersey barrier can be used instead of Type K Index 415 barrier, as required on page 38 of 274 in Measurement & Payment spec section 01150, for Bid Item U34.

Response 39: The County, at its discretion, may allow alternate barrier types depending on trench and traffic conditions at the time, but at this time cannot authorize changes.

Question 40: Contractor asked why bid item U53 "Fire Hydrant Assembly" quantity is 7, if plans only show 4.

Response 40: Potable Fire Hydrant Assemblies to be installed are shown on sheets U5, 7, 8,10,12,19 and Utility Adjustment sheets 63 and 64 for a quantity of 7 for Bid item No. U53.

41. Revise Spec section 01030 Special Project Procedures, Page 24/274, Para. 2.01 A. Plug Valves, to read as follows:

2.01 PLUG VALVES

A. Plug valves for the 30 inch and 42 inch force main pipes shall be 100% full port **and not obstruct the full circular cross section of the pipe area**, suitable for submerged service and shall be bi-directional with horizontal plug shafts, buried gearbox with an operator extension, and with vertical operator shaft. In the open position, the plugs shall be at the top of the valve body, such that the valve shall open in an upward direction. Valve ends shall be MJ. Plug valves shall be installed with the seats facing downstream unless specified otherwise on the plans. All external nuts, bolts, and washers shall be 304 or 316 stainless steel. Refer to current Manatee County Utility Standards for additional requirements. **Plug Valves shall be designed to withstand a test pressure of up to 150 psi. Packing shall be Chevron V ring packing and shall be replaceable and repackable without removing the gear.**

Question 42: Contractor asked for a plan view for stub-out of 24" reclaim waterline at Sta. 75+55 to accurately provide fittings and restraints provided.

Response 42: The plan view as shown on sheet U19 is as accurate as possible, including at least two 45 DI bends. Additional vertical bends may be required to get around existing utilities but the County does not know depths of utilities in this area. Fittings shall be paid by the pound and restraints per each. The existing information is adequate for bidding purposes

Question 43: Contractor asked for plan view of proposed fire hydrant assembly at Sta. 66+06 on sheet U19.

Response 43: Please refer to Utility Adjustments Sheet 64 for plan view of this hydrant, which is included in scope of work.

Question 44: Contractor asked if two 24" butterfly valves are required, at Sta. 75+66 and Sta. 75+57 or just one.

Response 44: Only one 24" butterfly valve is required, at Sta. 75+57 on sheet U19.

Question 45: Contractor asked if he chooses to relocate the 24" reclaim line at Sta. 101+20 instead of protecting the pipe from proposed thrust block, will he be paid by corresponding bid items for pipe, restraints, and DI fittings or will this be a cost incurred by the Contractor?

Response 45: The Contractor shall be paid by the appropriate bid items if he relocates the pipe.

Question 46: Contractor asked where plans call for "relocate", is Contractor to assume they shall remove and reset existing utility to new location, e.g. Fire hydrants, ARV, plus additional pipe and fittings as required?

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Response 46: Yes, unless the Contract documents require otherwise. No existing pipe is to be re-used in this contract, except where specifically required by the Contract documents.

Question 47: Contractor asked in which bid item the relocated ARV's are included.

Response 47: Relocation of ARV's is incidental to the work. The cost shall be included in other bid items, no specific bid item.

Question 48: Contractor asked for limits of grout fill for abandoned 10" and 15" reclaim waterlines shown on sheets U07 and U09.

Response 48: The Contractor shall grout abandoned pipes as directed by the County. It is anticipated that this will include all pipe sections being abandoned under pavement or near enough to cause settlement damage in future.

Question 49: Contractor asked if the County will shut off existing potable waterlines to make connections for the new fire hydrant assemblies, or should the Contractor include a wet tap at each location?

Response 49: The Contractor shall include the cost of wet taps in the unit price under Bid item No. U47 for fire hydrant assemblies.

Question 50: Contractor asked if this project will require W/MBE participation, and if so, what percentage?

Response 50: No, there is no required W/MBE participation in this project.

Question 51: Contractor asked will a 3 year warranty be required for this project.

Response 51: Refer to the Construction Agreement, Article II - Relationship and Responsibilities, Section FF, Contractor's Warranty, page GC 18.

Question 52: Contractor asked if any pipe to be removed is asbestos cement and for limits and location.

Response 52: The County is only aware of some 8" asbestos waterline to be removed on sheet U13 at approximate Sta.3+00 to 4+00. The AC pipe is often allowed to be crushed and remain buried in place. Contractor shall follow current OSHA rule for this type of pipe removal.

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Question 53: Contractor asked if all DIP needs to be wrapped and for poly wrap requirements.

Response 53: Yes. All ductile iron pipe shall be poly wrapped in accordance with AWWA C105 and spec 02615 para. 2.02B.

Question 54: Contractor asked why Bid Item U25 requires a minimum of 6" Optional Base Group 4, whereas the plans require a minimum of 8" Optional Base Group 6.

Response 54: The plans are correct. The Bid Form and specs are hereby revised to require 8" of Optional Base Group 6 for Bid item No. U25.

Question 55: Contractor asked if the temporary road along 65th St will be required to have any asphalt pavement or just base.

Response 55: No asphalt will be required for the temporary road.

Question 56: Contractor asked County to add bid items for the following: a) 6" DIP water main relocated at Sta. 19+60, b) 24" gate valve for reclaim main at Sta. 75+68, c) 24" reclaim main fittings, d) asphalt road restoration for reclaim main, e) Air Release Valve with Manhole for reclaim main, f) 8" DIP reclaim watermain relocated at Sta. 117+40.

Response 56: a) 6" DIP is incidental, DI fittings paid per pound by new bid item 17A. "DI Fittings - Water", b) No gate valve is required at Sta. 75+66, c) 24" reclaim main fittings are paid per pound by new bid item 17A., d) road restoration for reclaim main is paid by bid item U22. e) ARV with Manhole for reclaim is paid by bid item U32, f) 8" DIP reclaim main relocation is paid by bid item U50 for pipe and new bid item U17A for fittings. HDPE adapter, if required, is incidental.

Question 57: Reference Special Provisions, page 10, MAINTENANCE OF TRAFFIC, third paragraph, last sentence, road closures will have to be allowed at the intersections of 53rd Ave. W. and 66th Street W. and 53rd Ave. W. and 65th Street W. in order to install reclaimed water main and force main piping. Detours will have to be setup in order to complete the work at these two (2) intersections. Please review.

Response 57: No closure of 53rd Ave. or 66th Street W. will be allowed. The contractor will need to phase his work and provide MOT to install pipes on south side of 53rd Ave., then route traffic to south of existing lanes and install pipes under existing lanes. Closure of 65th Street W. will likely be allowed for a limited time since the plant traffic can access the plant from the north.

Question 58: Reference bid form Line No. U4, bid quantity shows 345 LF, plans show 315LF, please review.

Response 58: Vertical bends and sections will add some additional footage to horizontal measurements.

Question 59. Reference bid form Line No. U5, bid quantity shows 350LF, plans show 285 LF, please review.

Response 59: Vertical bends and sections will add some additional footage to horizontal measurements. Deletion of the valve vault from the scope of work has reduced the quantity by about 40 LF.

Question 60. Reference plan sheet U04, station 86+37, connect to existing force main: there is no pay item for this connection, please review.

Response 60: This force main connection is not a major cost item. The cost should be included in Bid item No. U7 and / or other items.

Question 61: Reference plan sheet U04 and U13, the El Conquistador force main: where is the nearest valve on this force main that is west of 65th Street West?

Response 61: The nearest valve is approximately 250ft west of 65th Street West. If this does not work, there is another valve at about 950ft west of 65th.

Question 62: Reference plan sheet U04, station 86+37: the note tells us to connect to the existing force main with an HDPE MJ Adapter, plan sheets U04 and U13 shows this force main as being PVC, if the existing line is PVC why are we using an HDPE MJ Adapter? Please clarify.

Response 62: This force main transitions from PVC to HDPE a couple hundred feet west of 65th Street W., therefore, an HDPE adapter is required.

Question 63: What comprises Type 1 Asphalt Road Restoration? Thickness of sub base, base and asphalt?

Response 63: Bid form Line No. U22, Asphalt Road Restoration (Base & Resurface) type 1. Refer to the Utility Technical Specifications for Force Main 27-A, Measurement and Payment Section, page 35/271.

END Utilities Questions / Responses

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Response to Traffic Questions

Question 1: If it was a mistake having 3ea 660-4-11 per intersection being as that number is for the camera cabinet and usually has 1 per intersection?

Response 1: The plans show quantities of 3 EA on both sheets T-5 and T-6. The correct quantities should be 1 EA on sheet T-5 and 1EA for T-6, resulting in a project total of 2 EA for pay item 660-4-11. Revised Plan Sheets T5 and T-6 are made a part of Addendum #3.

END Traffic Questions / Responses

If you have submitted a bid prior to receiving this addendum, you may request in writing that your original sealed bid be returned to your firm. All sealed bids received will be opened on the date stated.

Bids will be received at Manatee County Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205 on **April 10, 2015 at 3:00 PM.**

Sincerely,



Melissa M. Wendel, CPPO, Purchasing Official
Manatee County Purchasing Division

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Attachments:

- 6 Plan Sheets (#61, 85, U13, U19, T-5 and T-6) (6 sheets via PDF)
- 28 pages Interactive Excel Bid Forms (Bid A and B)
- 28 pages Revised Special Provisions dated March 24, 2015 (via PDF)
- 7 pages Revised Section D, Insurance Requirements