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Solicitation Addendum

Addendum No.: 5
Solicitation No.: 24-TA005521JK
Project No.: 6089781
Solicitation Title: Southwest Service Area D Force Main Replacements
Addendum Date: October 30, 2024
Procurement Contact: Julie Kovacs, Procurement Agent III

IFBC No. 24-TA005521JK is amended as set forth herein. Responses to questions posed by prospective bidders are provided below. This Addendum is hereby incorporated in and made a part of IFBC No. 24-TA005521JK.

The deadline to submit all inquiries concerning interpretation, clarification or additional information pertaining to this IFBC was September 18, 2024.

ADD:

SECTION B, APPENDIX L, BID PRICING FORM (FILLABLE)

Add Appendix L, Bid Pricing Form (Fillable) hereby incorporated into the IFBC and available for download as a separate attachment.

REPLACE:

SECTION B, BID FORMS, APPENDIX L, BID PRICING FORM

Replace Appendix L, Bid Pricing Form with Appendix L, Bid Pricing Form Revised attached to this addendum and available for download as a separate attachment.

REPLACE:

SECTION C, BID ATTACHMENTS, BID ATTACHMENT 2, 01150 MEASUREMENT AND PAYMENT

Replace Section C, Bid Attachments, Bid Attachment 2, 01150 – Measurement and Payment in its entirety, attached to this Addendum No. 2 and available for download as a separate attachment.

REPLACE:

SECTION C, BID ATTACHMENTS, BID ATTACHMENT 4 – PLANS / DRAWINGS

Replace Bid Attachment 4 – Plans / Drawings bid set with the revised Bid Attachment 4 – Plans / Drawings with its entirety and available for download as a separate attachment.

QUESTIONS AND RESPONSES:

Q1. Is there an engineer estimate for the work referenced above?

R1. The engineer's estimate opinion of cost for this work is \$2,097,544.85.

Q2. In Section 010101 Summary of Work, approximate quantities for pipeline and their associated Lift Stations area given. Is it the intent of this contract render payment based off of bid form quantities or actual field installed quantities as listed in Section 01150 Measurement & Payment? (Page/Sheet: 42-46, 72, 88-97, Specifications (Bid Form) and Plan Sheet 3 and now addendum #1)

R2. Payment will be based on actual quantities installed. If there is an overage of quantity from the bid form, a field directive or change order will need to be issued per the Project Manager's direction. All quantities are verified by County inspectors prior to pay app submittal.

Q3. Also, could you also provide a bid form which may be populated (PDF or Excel)? Please advise.

R3. Fillable bid form will be posted with this Addendum No. 5 and available for download as a separate attachment.

Q4. Section 01005 General Requirements, Scope and Intent, B Work Included and Section 01030 Special Project Procedures, 1.01 Permits, indicate that the contractor is responsible for obtaining and paying for all permits other than DEP and railroad. What other specific permits are required? Please advise. (Page/Sheet: 61 & 78, Specifications)

R4. A FDEP Wastewater Permit is required (County previously obtained) and a County Right-of-Way Use Permit will be required (Contractor to obtain). The ROW permit is a form that will be submitted to Right-of-Way Supervisor, Matt Merucci, in the Infrastructure Inspections Department along with an MOT plan created by the Contractor for review and approval. There is no fee, since this is a County CIP project.

Q5. Under Section 01005 General Requirements, 1.02 Scope and Intent, F Intent indicates that all work mentioned or intended in the plans and specifications regardless of if it is specifically delineated or described is to be performed by the contractor and as directed by the county. This whole section of the specification requires the contractor to take responsibility for known and unknown conditions and work. Normal prosecution of the work would deem unknown or omitted work as "extra work." However, the way this specification reads, there does not appear to be a condition provided for "extra work" or compensation to the like. How is the contractor to be

used by a contractor is their sole-responsibility to provide and have available to complete the work. Unknown condition should be brought immediately to the attention of the inspector. The condition should be discussed and if an easy method or alternative can be achieved it is handled in the field. If there is a scope/money increase or other staff needs to get involved, then an RFI is submitted for evaluation. Any scope or cost increase/decrease is discussed and if needed a field directive or change order will be processed at the Project Manager's direction for the increase/decrease of scope and/or compensation. All quantities are verified by County inspectors prior to pay app submittal.

- Q6. Under Section 02221 Trenching, Bedding, & Backfill for Pipe, 2.01 Materials, A. General states that materials for use as fill or backfill shall be from and FDOT certified pit. Further in the description under F. Common Fill, the specification for fill is restricted under soil classification and other specific parameters. Under the special provisions, section 40 on PDF pg. 287, as does the detail for Manatee County Trench Restoration, the documents indicate the exclusive use of crushed concrete. Is it the intent for this project to have ALL materials to be from an FDOT certified source, or may onsite materials that qualify under AASHTO (in the same spec) and/or FDOT be able to be used? Is FDOT Certified Crushed Concrete the only base material allowed for roadway restoration and construction? The specification as written appears to allow the use of other materials under AASHTO (shell, lime rock, etc.) other than crushed concrete, but we want to confirm. Please clarify on approved base materials and advise. (Plan/Sheet: 148-149, & 287, Plans)**
- R6. All materials brought from offsite shall be from an FDOT certified pit. All FDOT approved base is acceptable to be used. The special provision #40 is making further clarification about crushed concrete base. Existing excavated base shall not be reused. Common fill excavated from a trench may be reused as long as it meets the specification requirements. Debris, muck, clay, etc cannot be put back into a trench.
- Q7. Asphalt Concrete Paving includes milling as part of the scope within this associated section. The thickness for asphalt is defined as 2". However, a milling depth is not defined. Furthermore, there are differing quantities for "Asphalt" and "Resurface." Are we to assume the asphalt replacement and milling depth to be the same 2" depth? Or, is the "Resurface" depth to be as shown in the Manatee County standard UG-12 on plan sheet 23 at 3/4" Thick? Under the pay item "Resurface," is the milling and asphalt included in this price for "Resurface?" Please clarify and advise. (Plan/Sheet: 161, Specifications & 23 Plan)**
- R7. If I understand the question correctly, the asphalt above the trench shall be considered a full replacement and shall have a min. final thickness of 2 inches for a local urban roadway. Typically we see the base restored, a full depth asphalt (S-I) "patch" installed to existing grade to allow traffic to use the roadway, then near the end of the project the required areas are then milled to a 3/4 inch depth, and then the entire area overlaid with 3/4 inch asphalt (S-III) layer. The boundary areas are coordinated with County inspector.
- Q8. The specifications maintain that the county will provide lines and grades. However, with regard to storm water drainage on roadways and in curb lines, no lines or grades are provided. The plans do not appear to take into account existing standing water after rain events in on this project. Is the county going to provide lines and grades for restoration to facilitate positive drainage? Or are we to restore to existing lines and**

- grades when no proposed lines and grades are provided? Please advise. (Plan/Sheet: General, Specifications and Plans)**
- R8. The existing roadway and curb lines shall be reestablished. The awarded bidder will be provided a CAD file for their surveyors use.
- Q9. The FDEP permit lists 1,347 LF of 8" Dia. Force Main for this project. However, the plans, specifications, and bid form list differing sizes and lengths of vastly differing from this approved FDEP permit. How is this discrepancy going to be reconciled? Please advise. (Plan/Sheet: 263-264, Specifications)**
- R9. The FDEP permit is only required for new pipe in the right-of-way where none existed before. Most of the project is replacement of piping already existing in the right-of-way.
- Q10. "In the technical specifications section, section 35 Earthwork, the specification states..." "Quantities included in the contract plans and bid form represent estimated in-place quantities and do not include shrinkage and expansion factors unless otherwise specified. Payment for Earthwork shall be made based on average end area method calculations or by other methods as approved by the Engineer and Owner. The contractor shall provide supporting survey data (before and after cross-sections) and calculations for payment purposes. "However, there does not appear to be a pay item for "Earthwork" within the bid documents. Will there be a pay item included in a revised bid form? If not, what pay item should be utilized for "Earthwork" in the current bid form? Please advise." (Plan/Sheet: 286, Specifications)**
- R10. There is no earthwork proposed in this project. There is no anticipated fill or excavation beyond trenching and restoration of those trenches.
- Q11. In the technical specifications section, section 36 Subsoil Excavation, the specification states..." "The Contractor shall detect and remove all unsuitable material, such as plastic/organic soil, rock, hard pan, debris, and trash, within project limit, following FDOT Standard Plans Index 120-002. Payment for subsoil excavation shall be included in the subsoil excavation pay items." However, there does not appear to be a pay item for "Subsoil Excavation" within the bid documents. Will there be a pay item included in a revise bid form? If not, what pay item should be utilized for "Earthwork" in the current bid form? Please advise. (Plan/Sheet: 286, Specifications)**
- R11. A bid item (11.06) for trench over-excavation of the trench bottom has been added. Any over-excavation shall be per the Utility Standards Section 1.3, 1.3.5 excavation. Over-excavation shall be brought to the attention of the County Inspector o keep track of removal.
- Q12. The specifications states... "The Contractor shall arrange for all job site facilities required and necessary to enable the Contractor and Architect/Engineer to perform their respective duties and to accommodate any representatives of the Owner which the Owner may choose to have present on the Project Site." Could you please specify what qualifies as a "facility" under this specification? What pay item should this cost fall under? Please advise. (Plan/Sheet: 329, Specifications)**
- R12. There are no job site facilities anticipated or proposed for the use by Architect/Engineer or County employee. The sheet is labeled "Sample", so it may just be part of a document template. The contractor is responsible for the means and methods of how to handle and coordinate the project site and scheduling.

Q13. The plan and profile sheets have a note stating..." Contractor shall locate the top of pipe elevation of the existing sewer lateral(s) and provide record of the existing elevation(s) at the proposed water main crossing to the county prior to installation of force main. Depending on number of conflicts, the water main could be vertically adjusted. When in conflict, contractor shall deflect existing sewer lateral(s) under the proposed water main, per the current Florida plumbing code criteria. If unable to comply, immediately contact county for direction..." Additionally, the plans appear to symbols and call-outs marked at "**" indicating use of the pay item "Excavate & Inspect Existing Main Connections" for the work indicated by this note herein. As the number or "**" symbols can be quantified, this pay item No. 24 Excavate & Inspect Existing Main Connections is a Lump Sum pay item and it states "depending on the number of conflicts. Moreover, as indicated in the plans and specifications, all utilities may or may not be indicated on the plans. Firstly, this note is confusing as we cannot locate any "proposed water main" associated on the plans. Secondly, the note indicates that the "water main" could be vertically adjusted when in conflict. Where is this proposed water main located? How can we quantify this work if the pay item is a lump sum and there may be instances that some lateral(s), mains, etc. may be unknown or if the county has the right to add locations under this work item? Is the note incorrect and we are to deflect the proposed force main, or is there something we're missing? If we are deflecting or adjusting any existing or proposed water main, what pay items will be utilized and/or how with the contractor be compensated for this work? Please clarify with a detailed scope and advise. (Plan/Sheet: 4, 5, 8-16, Plans)**

R13. Apologies for the confusing note. The note has been revised. The overall intent of all the force main designs is to have a flat slope with minimal extreme dips that could trap air and require ARV to be installed. If the sanitary sewer laterals are found to be in conflict, the force main can be slowly lowered/raised to pass under/over the sewer laterals with a gentle slope to allow air to be entrained into the flow and progress down the main. Sheet 2, note 30 requires the contractor to expose all crossing and connection points to existing infrastructure. The provided call outs are a place holder for the contractor to perform the exploratory work and submit for evaluation of the proposed main depth. The contractor shall then joint deflect the force main where possible to avoid unwanted fitting and extreme slope changes. This bid items 24 is to allow compensation for the contractor's exploratory efforts. A bid item 25 has been added for located the sewer laterals horizontal & vertical position.

Q14. Plan sheet 4 calls out the installation of a 6" Plug Valve at the connection point of the existing pump station on 72nd St. NW. However, the bid sheet does not have a pay item for 6" Plug Valve. Will you be revising the bid form to include 6" Plug Valves? Please advise. (Plan/Sheet: 4, Plans & Bid Form)

R14. The bid form #15 has been revised.

Q15. Plan sheet 4 indicates with one leader that the existing 6" force main running under 72nd St. NW is to be protected. That same existing 6" force main also has a leader indicating "Grout & Abandon In Place 6" FM." This is confusing. There does not appear to be any information provide on where to cut and cap the existing force main for grout filling nor does the restoration plan appear to take any inferred cut and cap

areas into account. Are we indeed supposed to grout fill this 6" force main? If so, could you please provide details as to where to cut and cap the existing force main along with any materials and procedures for this action? Please advise. (Plan/Sheet: 4 & 18, Plan)

- R15. The note "to protect" the exiting main is during the construction of the proposed force main where construction may get within proximity of the active existing main. Once the new main is placed into service, the entire old existing force main will need to be completely abandoned in place by grout filling. The abandonment is done by the contractor who will decide their own means & methods on how to completely abandon the main per the requirement in the County Utility Standards Section 1.2.6. In-place Abandonment of Existing Pipe, page U-10. A suggested grout slurry cement that has performed well in past projects may be provided upon request to the awarded contractor.
- Q16. The plans indicate a number of areas where existing force main pipe will be removed and should be remove if it is in conflict with the proposed pipe installation. However, there does not appear to be a pay item for removal of any size of existing force main pipe. Furthermore, under Section 01150 Measurement & Payment (Bid Item No. 10 & No. 11), removal of any size of existing force main does not appear to be an ancillary item. Will a new bid item and quantities be created to include sizes of force main pipe or will you deem this to be an ancillary item with existing pay items? If ancillary, which pay item will cover this work? Please advise. (Plan/Sheet: 89-97 Specifications & Plans)**
- R16: In cases where existing abandoned pipe are in the ground and may be in conflict, section of existing abandoned pipe may be removed if necessary to avoid unnecessary fittings and deflections of the proposed main. Bid item 10 has been modified to provide a bid item for compensation for this possibility. Coordinate with County inspectors prior to cutting into any pipe discovered in the ground.
- Q17. Note number 1 indicates that the scope will be determined by the county following ..."a S.U.E. investigation around 70+40..." Could you please clarify a boundary or area or something more finite? Also, there does not appear to be a bid item nor an ancillary cost associated with this S.U.E. investigation. Will the county be revising the bid sheet to include a new pay item covering the SUE? Or, what existing pay item will be used on the bid form to cover this cost? Please advise. (Plan/Sheet: 16, Plans)**
- R17. At Sta 70+40, in an approximate 20'x10' boundary (btw existing driveway and drainage structure on the western side of the intersection) the contractor shall perform exploratory excavate and coordinate with County inspection to try to determine if the force main from this point back to the lift station has already been replaced with a previous roadway/bridge project as illustrated on Sheet 25. Bid item 24 is to be used for this work.
- Q18. On sheet 6 of the plans, there is a leader indicating that Guardrail will need to be replaced. There are also notes throughout the plans indicating the same situation should the guardrail be in the way of proposed work. However, neither the bid form nor the specifications indicate how the contractor is to be reimbursed for this possible work. Is the county going to provide a new bid form including this work? Is there an existing pay item to which this work would be ancillary? Or would this work be considered extra work and priced during construction accordingly? Who will**

determine to what extents the guardrail will or will not be removed and replaced? Please advise. (Plan/Sheet: 89-97 Specification, 6 Plans)

- R18. A bid item #26 has been added. However, in all cases, the section of guardrail are called out to be removed/reinstalled only if the contractor is unable to install the force main due to conflicts with the railing. Coordinate with County inspection as to the extent of removal. The intent is to remove the railing sections as needed to create a workable space between two guardrail posts for the force main to pass through. No rails shall be removed until the MOT has been put into place.
- Q19. On plan sheet 23, the standard Manatee County detail for roadway restoration regarding utility trenches exhibits a roadway section comprised of 3/4" Type S-III asphalt, on top of 1 1/4" Type S-1 asphalt, on top of 8" of Crushed Concrete Base. The bid form exhibits a pay item "2.02 Asphalt, S-III, , 2" Thick." There is a discrepancy in asphalt type and thickness. Could you please clarify which roadway section to follow regarding 2" of Type S-III as in the bid form or 3/4" of Type S-III and 1/1/4" of Type S-I as in the county standard? If the county standard is chosen, will the county be providing a new bid form representing the new asphalt types and thicknesses? Please advise. (Plan/Sheet: 23 Plans & Bid Form)**
- R19. The bid form #2 has been revised.
- Q20. The plans exhibit a number of areas for Driveway Restoration including existing shell, asphalt, and paver brick driveways. Under Section 01150 Measurement and Payment, Bid Item No. 5 Driveway Restoration also addresses these three materials. The specification indicates to utilize the "Manatee County Transportation Department Highway Standards." Both the plans and the standards only indicate reinforced 6" concrete restoration materials for restoration of driveways. Shell, asphalt, and paver brick are not covered. As the pay items are intending a restoration method, to what designed thickness should the shell, asphalt, and paver brick driveway sections be restored? Could you please clarify with a detail or section for these three driveway restoration areas? Please clarify and advise. (Plan/Sheet: 89-97 Specifications & Plans)**
- R20. The driveway restorations typically match existing, once you have trenched through you will have an existing cross-section. Shell driveways will have a compacted subbase with 4-6 inches of shell on top. Asphalt and paver brick driveways shall have a compacted subbase, a base layer restored to a min. 6" thick with approved materials. Asphalt shall match existing but have a min. of 2 inches. The existing paver bricks shall be carefully removed and reinstalled over a bedding sand.
- Q21. The plans exhibit a number of locations where existing mailboxes are within the impacted area for the proposed work. The bid form exhibits two separate pay items addressing mailboxes. One, 8.01 Remove & Reinstall, and two, 8.02 New (mailbox installation). However, there does not appear to be designations assigned to the mailboxes to which pay item is to be utilized. Could you please clarify which mailboxes are to be removed and reset and which mailboxes are to be removed and provided as new per the specifications? Please advise. (Plan/Sheet: 89-97 Specifications & Plans)**

- R21. It is anticipated the Contractor shall carefully remove and reinstall all existing mailboxes as necessary. The “new” line item was provided for a place to account for older mailboxes /posts that might deteriorate during the relocation process and cannot be easily reinstalled.
- Q22. The proposed path for the work appears to exhibit conflicts with existing street signs. These signs will at the very least need to be removed and reset. However, the specifications do not cover these sign conflicts with a bid item or as an ancillary cost. Will the county be providing a new bid for the existing signs in conflict with quantities? If not, what bid item is to be utilized to cover the cost of this anticipated work? Please advise. (Plan/Sheet: 89-97 Specifications & Plans)**
- R22. It is anticipated the Contractor shall remove and reinstall all existing street signage as necessary. A bid item #27 has been added.
- Q23. Along with the 6" force main on plan sheet no. 4, several other plan sheets indicating "Grout & Abandon" both existing 4" & 8" force main pipe. However, there does not appear to be any information provided on where to cut and cap the existing force main for grout filling nor does the restoration plan appear to take any inferred cut and cap areas into account. Additionally, some of the lengths of pipe to be grout filled are long which could require many points to which grout injections would be necessary. Could you please provide details as to where to cut and cap and/or the number of injection points for grout is to be installed into the existing force main along with any materials and procedures for this action? Please advise. (Plan/Sheet: Plans)**
- R23. The entire length of the force main being replaced will need to be completely abandoned in place by grout filling. The abandonment is done by the contractor who will decide their own means & methods on how to completely abandon the main per the requirement in the County Utility Standards Section 1.2.6. In-place Abandonment of Existing Pipe, page U-10. A suggested grout slurry cement that has performed well in past projects may be provided upon request to the awarded contractor.
- Q24. A number of work areas on site have large decorative rocks conflicting with the proposed work. The current bid form and specifications do not address this work. Will the county be providing a revised bid form including large decorative rock removal? If not, what pay item is to be utilized for this work? Please advise. (Plan/Sheet: Site Investigation)**
- R24. A bid item #28 has been added to address the relocation and reinstallation of these decorative items.
- Q25. During a site investigation, we discovered an existing item not rendered on the plans (plan sheet 5). An existing decorative wall including a domestic streetlight is in conflict with the proposed work at the residence just south of the bridge on Riverview Blvd. from approximately STA 98+30 RT to 98+75 RT from the guardrail to the residential asphalt driveway. Comparing with plan sheet no. 5 and the proposed pipeline layout, this wall and vegetation behind it is in the ROW. The current plan would not allow the contractor to maintain the wall. A save/avoid this wall at all, a redesign of the pipe path would be necessary. For now, there does not appear to be a pay item associated with this conflict. Will the county be redesigning this area and providing revised plans to avoid the existing wall as much as possible? Should you not be redesigning, will the**

county be providing a revised bid form including large decorative rock removal? If not, what pay item is to be utilized for this work? Please advise. (Plan/Sheet: Site Investigation)

- R25. The wall is illustrated on the plan at the right-of-way line, however the label was inadvertently turned off. The label has been "added" to identify the wall linework. The wall is setback approximately 12 feet from the proposed excavation point. There appears to be plenty of room for excavation to expose the existing pipe.
- Q26. On the bid form, pay item 3.03 Double Yellow, 6" is given a lineal foot measurement. Does this measurement represent the lineal footage of Double Yellow lines or does the lineal footage represent individual lengths of double yellow lines for replacement? Please clarify and advise. (Plan/Sheet: Bid Form)**
- R26. The bid items length represents the length of the item as described, i.e. bid item 3.02 edge of pavement line requires a single 6" line to be placed, so the lineal footage covers the payment of a single line; bid item 3.03 double yellow line requires two 6" lines to be placed, so the lineal footage covers the payment of two lines to be placed, etc.
- Q27. A few areas within the proposed work area encompass decorative vegetation maintained by the homeowner in the ROW. How is the public relations going to be handled with letting the homeowner know that their gardening efforts will be destroyed? Will we be restoring in-kind through a change order? Or will we be sodding everything regardless within the ROW? Please advise. (Plan/Sheet: General)**
- R27. In general, the vegetation shall be removed with the excavation for the pipe, everything will be sodded, please bid accordingly. In practically, if decorative vegetation must be restored, additional work shall be assigned via a field directive/change order.
- Q28. On sheet 18 of the plans, there is a leader indicating "replacement of thermoplastic stripping within the milled areas." A portion of the existing roadway to be milled and replaced has as pavement markings 6" Yellow Skip then transitioning into 6" Yellow Skip and 6" Yellow, Solid pavement markings before 6" Double Yellow is found and as the plans indicate (for double yellow). However, there does not appear to be a bid item for these two types of pavement markings (6" Yellow Skip and 6" Yellow Solid). Will the county be providing a revised bid form including these types of pavement markings? If not, what pay item is to be utilized for this work? Please advise. (Plan/Sheet: Bid Form and 18, Plans)**
- R28. The two items have been added to Bid Item No 3.
- Q29. The plans and bid form require "Grout Fill Abandoned Pipe (Flowable Fill)." Traditionally used roadway/utility flowable fill tends to have too much sand in it and does not work well with small diameter pipe. While grout is a type of flowable fill, will this work be utilizing grout, and not a traditionally used "flowable fill" as used mainly in roadway construction? Also, could you provide the proposed strength requirements for the grout to be used for this filling application? There are strength requirements in the specifications for grout for the use inside and around structures and pipe to remain and/or are proposed, but not for the application of filling existing pipelines. Please advise. (Plan/Sheet: Plans & Bid Form)**
- R29. A suggested grout slurry cement that has performed well in past projects may be provided upon request to the awarded contractor.

Q30. A number of notes and leaders on the plans indicate "Protect Power Pole." This appears to be due to the proximity of the proposed force main installation. Is the county coordinating and working with the power and communications companies to protect and shore poles and equipment during construction? How will delays from power and utility companies be addressed with regard to project deadlines? Please advise. (Plan/Sheet: General)

R30. If construction gets close to power poles and may compromise/undermine their foundation, it is the contractor responsibility to evaluate, determine, and protect the poles. The contractor will need to coordinate with the appropriate power companies. Any delays produced by the power company can be discussed, evaluated, and if necessary be considered for extra time added to the contract time. A bid item #29 has been added.

Q31. The proposed plan calls for the installation of plug valves in various locations on the new force main. Through experience when attempting to perform pressure tests as specifications dictate, plug valves are sometimes unreliable in gaining clearance. Sometimes the plug valves do not hold up against the pressures required by the test methods. Plug valves are fine for low pressures but testing at higher pressures, even though the valve is rated for these pressures, stresses the valve well above it's normal operating pressures and they tend to leak during testing. Will the county consider changing the plug valves to gate valves or remedy by some other means? Please advise. (Plan/Sheet: General)

R31. No, plug valves shall be used.

Q32. If message boards are not required by MUTCD standards, will the county be requiring any message boards for this project for MOT or public notification for the start of construction? Please advise. (Plan/Sheet: General)

R32. Depends on your MOT needs. Typically, the County only requires message boards when a MOT plan is requiring a road closures and/or detours. If that is the case, then the County must have a minimum of two-week advance notice, and the message boards installed no less than ONE week before hard date. If work can be done to alternate traffic with flaggers, no message boards needed.

However, please be aware it is the County's discretion to use message boards if work is going to be along heavy or busy roadways for simply advertising or messaging about work starting. Please contact Matt Merucci (941.708.7450 x7342) for specifics and questions prior to submitting for Right-of-Way Use Permits and/or MOT plans for review.

Q33. Bid items number 11.02 and 13.04 are zero quantities for all four lift station areas on the bid form. How are we supposed to price an item that is not currently quantified on the plans? Please advise. (Plan/Sheet: 42-46, 72, 88-97, Specifications (Bid Form) and Plan Sheet 3 and now addendum #1)

R33. The bid form has been revised.

Q34. Bid items number 10.01 and 10.02 involve "Removal of Existing Items" related to "Valve" (non-descript), and "ARV & Manhole." The revised quantities provided in addendum #1 differ significantly from the notations indicating where these items are located on the plans. Simply put, we cannot definitively locate 6 EA "Valve(s)" to be

removed nor 6 EA "ARV & Manhole(s)" to be removed? Depending on what is considered a "Valve" vs. something more descriptive and the difference between the take-off quantities could be significant. This is also true of the "ARV & Manhole" description as well. Furthermore, there may be ARV's that need to be removed per plan (could be considered a "valve") and there may be "manholes" that need to be removed per plan, but there is only one location (vs. 6EA) on the plans that is indicated as "ARV & Manhole" removal. This significance in detail is crucial to the pricing of these pay items. Could you please review and clarify what the definitions for these items are? Could you please definitively locate and clarify where "6 EA" for both items on the plans? Please advise. (Plan/Sheet: 42-46, 72, 88-97, Specifications (Bid Form) and Plan Sheet 3 and now addendum #1)

R34. The bid form has been revised.

Q35. SECTION 02223 EXCAVATION BELOW GRADE AND CRUSHED STONE OR SHELL REFILL PART 1 GENERAL

1.01 SCOPE OF WORK states..." A. If in the opinion of the County, the material at or below the normal grade of the bottom of the trench is unsuitable for pipe or structure foundation, it shall be removed to the depth directed by the County and replaced by crushed stone or washed shell." However, previously under Section 01005 General Requirements, states..."The cost of incidental work described in these General Requirements, for which there are no specific Contract Items, shall be considered as part of the general cost of doing the work and shall be included in the prices for the various Contract Items. No additional payment will be made." Direction from the county in a previously unknown condition normally is regarded as "extra work." Is the intent of the project to have the contractor cover all unknown incidentals or will there be consideration for extra work as directed by the county or as a truly unknown quantity encountered? Please advise. (Plan/Sheet: 153, Specifications)

R35. A bid item (11.06) for trench over-excavation of the trench bottom has been added. Any over-excavation shall be per the Utility Standards Section 1.3, 1.3.5 excavation.

Q36. Does the computed area for the pay item "Asphalt, S-III, 2" Thick", include or exclude the area calculated for the pay item "Resurface?" By checking quantities, the calculated area for "Asphalt, S-III, 2" Thick" appears to be included in the calculated area for the pay item "Resurface." Please advise. (Plan/Sheet: Plans & Specifications)

R36. The best answer is, the mill and overlay areas also include the area of the 2" thick asphalt area. The 2" thick asphalt is a complete asphalt patch on the trenched area. Then, the entire area is milled and overlaid to have a uniform sloped, smooth asphalted roadway with no "bump" at the seams.

Q37. On the bid sheet and on the plans, there are areas requiring driveway restoration, brick. However, in the specifications for driveway restoration, the brick portion is omitted. Are the bricks under the measured quantity for driveway restoration to be "remove & reset" or "remove & replace" with new brick? Please advise. (Plan/Sheet: 42-45, & 90, Specifications, Plans)

R37. The bricks are to be removed and reset.

- Q38. Plan sheet 4 calls out the installation of a 6" HDPE Adaptor with the 8"x6" Tapping Sleeve & Valve at 72nd St. NW and 17th Ave. NW. However, the existing FM is 8" in size and the pipe material does not appear to be listed as HDPE. Furthermore, the bid sheet does not have a pay item for 6" HDPE MJ Adaptor as it does for other sizes. Can you confirm that an HDPE adaptor is necessary at this location by confirming the connection pipe material? Can you also confirm that the existing pipe receiving the connection is 6" or 8"? Will you be revising the bid form to include 6" HDPE MJ Adaptors? Please advise. (Plan/Sheet: 4, Plans & Bid Form)**
- R38. The HDPE adapter is not required at this location (5+14) since the proposed force main is PVC. The existing force main on 17th Ave NW is a 10-inch HDPE per the record drawing at this location. The plans have been revised.
- Q39. With this contract having 4 bid forms, will this contract be awarded for the lowest bid for each lift station?**
- R39. No.
- Q40. Plan sheets 6 & 7 Riverview Blvd Force Main 4D calls out 693 LF of 4" HDPE to be installed as direct bury. Shouldn't this be Directional Drill?**
- R40. No. The County wished to use HDPE DR11 in a direct bury application to limit the number of joints and keep the main at the 36-inch minimal cover without worry if frack-out.

NOTE:

Deleted items will be ~~struck through~~, added or modified items will be underlined. All other terms and conditions remain as stated in the IFBC.

INSTRUCTIONS:

Receipt of this Addendum must be acknowledged as instructed in the solicitation document. Failure to acknowledge receipt of this Addendum may result in the response being deemed non-responsive.

END OF ADDENDUM

AUTHORIZED FOR RELEASE

ADDENDUM NO. 5 - APPENDIX L, REVISED BID PRICING FORM							
IFBC NO. 24-TA005521JK							
PROJECT NAME:		Southwest Service Area D Force Main Replacement - Lift Station 7D					
PROJECT NUMBER:		6089781					
Bidders must provide pricing for each available item with quantity for their bid to be considered responsive				BID A 390 CALENDAR DAYS		BID B 330 CALENDAR DAYS	
FORCE MAIN 7-D SERVING LIFT STATION RTU 230							
ITEM NO.	DESCRIPTION	U/M	QTY.	UNIT PRICE (\$)	EXTENDED PRICE (\$)	UNIT PRICE (\$)	EXTENDED PRICE (\$)
1	Curb Replacement	LF	686		-		-
2	Asphalt Pavement Restoration						
2.01	Road Pavment Base	SY	555		-		-
2.02	Asphalt, S-I, 2" thick	SY	917		-		-
2.03	Asphalt, S-III, 2" thick	SY	3396		-		-
2.04	Asphalt Pavement Restoration (Mill)	SY	3396		-		-
3	Thermoplastic Striping						
3.01	Stop Bar, White, 24"	LF	36		-		-
3.02	Edge of Pavment Line, White, 6"	LF	1387		-		-
3.03	Yellow Solid, 6"	LF	1945		-		-
3.04	Yellow 10-30 Skip, 6"	LF	52		-		-
4	Sidewalk Replacement (4" min. thick), concrete	SY	15		-		-
5	Driveway Restoration						
5.01	Concrete	SY	849		-		-
5.02	Asphalt	SY	62		-		-
5.03	Paver Bricks (6" min thick)	SY	65		-		-
5.04	Shell	SY	158		-		-
6	Sodding	SY	1413		-		-
7	Misc. Vegetation & Tree Removal						
7.01	General Removal and/or Trimming Vegetation	LS	1		-		-
7.02	Tree Removal, 4"-6"	EA	1		-		-
7.03	Tree Removal, 6.1"-12"	EA	1		-		-
7.04	Tree Removal, 12.1" & Greater	EA	1		-		-
8	Mailbox, removal/reinstall and new						
8.01	Remove and Reinstall	EA	29		-		-
8.02	New	EA	7		-		-
9	Grout Fill Abandoned Pipe (cement slurry)	CY	47		-		-
10	Remove Existing Items						
10.01	Valve	EA	2		-		-
10.02	Ex. Foremain	LF	10		-		-
10.03	Air Release Valve	EA	1		-		-
10.04	Air Release Valve Manhole (STA: 46+77)	EA	1		-		-
11	Pipe (Wastewater)						
11.01	Intentionally Left Blank						
11.02	PVC (C-900), 4"	LF	10		-		-
11.03	Intentionally Left Blank						
11.04	PVC (C-900), 8"	LF	4308		-		-
11.05	Intentionally Left Blank						
12	HDPE MJ Adapters (Wastewater)						
12.01	Intentionally Left Blank						
13	DI Fittings (Wastewater)						
13.01	Intentionally Left Blank						
13.02	Intentionally Left Blank						
13.03	Tees, 8" x 4"	EA	1		-		-
13.04	Bends <90, 8"	EA	32		-		-
13.05	Intentionally Left Blank						
14	Pipe Joint Restraints						
14.01	4"	EA	1		-		-
14.02							
14.03	8"	EA	33		-		-
15	Valves (Wastewater)						
15.01	Plug, 4"	EA	1		-		-
15.02	Intentionally Left Blank						
15.03	Plug, 8"	EA	2		-		-
15.04	Intentionally Left Blank						
15.05	Tapping Valves, 8"	EA	1		-		-
16	Tapping Sleeves (Wastewater) (316 SS)						
16.01	Intentionally Left Blank						
16.02	20"x 8"	EA	1		-		-
17	Air Release Valves (Wastewater)						
17.01	Above ground	EA	1		-		-
17.02	Fiberglass enclosure	EA	1		-		-
18	Pipeline Connections a Structures						
18.01	Lift Station	EA	1		-		-
18.02	Intentionally Left Blank						
19	Temporary Bypass Pumping	LS	1		-		-
20	Concrete Manhole Bottom / Channel/Bench	VF	11		-		-
21	Repair Existing Liner	SF	45		-		-
22	Erosion Control	LS	1		-		-
22.01	Inlet Protection	EA	27		-		-
22.02	Silt Fencing	LF	765		-		-
23	Traffic Control	LS	1		-		-
24	Excavate and Inspect Existing Main Connections	LS	1		-		-
25	Sewer lateral locate	EA	24		-		-
26	Intentionally Left Blank						
27	Remove / reinstall street signage	EA	5		-		-
28	Intentionally Left Blank						
29	Protect power poles	EA	14		-		-
	SubTotal Construction Cost				-		-
30	Mobilization (10% of Sub Total)		10%		-		-
31	Record Drawings		2%		-		-
32	Contingency (10% of SubTotal)		10%		-		-
	Total Construction Cost				-		-
	To be considered responsive, it is the sole responsibility of the bidder to correctly calculate and manually enter all sub-totals, contingencies, and total bid prices for each lift station.						

ADDENDUM NO. 5 - APPENDIX L, REVISED BID PRICING FORM							
IFBC NO. 24-TA005521JK							
PROJECT NAME:		Southwest Service Area D Force Main Replacement - Lift Station 22D					
PROJECT NUMBER:		6089781					
Bidders must provide pricing for each available item with quantity for their bid to be considered responsive				BID A 390 CALENDAR DAYS		BID B 330 CALENDAR DAYS	
FORCE MAIN 22-D SERVING LIFT STATION RTU 224							
ITEM NO.	DESCRIPTION	U/M	QTY.	UNIT PRICE (\$)	EXTENDED PRICE (\$)	UNIT PRICE (\$)	EXTENDED PRICE (\$)
1	Curb Replacement	LF	120		-		-
2	Asphalt Pavement Restoration						
2.01	Road Pavement Base	SY	28		-		-
2.02	Asphalt, S-I, 2" thick	SY	56		-		-
2.03	Asphalt, S-III, 3/4" thick	SY	279		-		-
2.04	Asphalt Pavement Restoration (Mill)	SY	279		-		-
3	Thermoplastic Striping						
3.01	Intentionally Left Blank						
3.02	Intentionally Left Blank						
3.03	Intentionally Left Blank						
3.04	Intentionally Left Blank						
4	Intentionally Left Blank						
5	Driveway Restoration						
5.01	Concrete	SY	65		-		-
5.02	Intentionally Left Blank						
5.03	Intentionally Left Blank						
5.04	Shell	SY	17		-		-
6	Sodding	SY	248		-		-
7	Misc. Vegetation & Tree Removal						
7.01	General Removal and/or Trimming Vegetation	LS	1		-		-
7.02	Intentionally Left Blank						
7.03	Intentionally Left Blank						
7.04	Intentionally Left Blank						
8	Mailbox, removal/reinstall and new						
8.01	Intentionally Left Blank						
8.02	Intentionally Left Blank						
9	Grout Fill Abandoned Pipe (cement slurry)	CY	5		-		-
10	Remove Existing Items						
10.01	Valve	EA	2		-		-
10.02	Intentionally Left Blank						
10.03	Intentionally Left Blank						
10.04	Intentionally Left Blank						
11	Pipe (Wastewater)						
11.01	Intentionally Left Blank						
11.02	Intentionally Left Blank						
11.03	PVC (C-900), 6"	LF	537		-		-
11.04	Intentionally Left Blank						
11.05	Intentionally Left Blank						
12	HDPE MJ Adapters (Wastewater)						
12.01	Intentionally Left Blank						
13	DI Fittings (Wastewater)						
13.01	Intentionally Left Blank						
13.02	Intentionally Left Blank						
13.03	Intentionally Left Blank						
13.04	Intentionally Left Blank						
13.05	Intentionally Left Blank						
14	Pipe Joint Restraints						
14.01	Intentionally Left Blank						
14.02	6"	EA	6		-		-
14.03	Intentionally Left Blank						
15	Valves (Wastewater)						
15.01	Intentionally Left Blank						
15.02	Plug, 6"	EA	1		-		-
15.03	Intentionally Left Blank						
15.04	Tapping Valves, 6"	EA	1		-		-
15.05	Intentionally Left Blank						
16	Tapping Sleeves (Wastewater) (316 SS)						
16.01	10"x 6"	EA	1		-		-
16.02	Intentionally Left Blank						
17	Air Release Valves (Wastewater)						
17.01	Intentionally Left Blank						
17.02	Intentionally Left Blank						
18	Pipeline Connections a Structures						
18.01	Lift Station	EA	1		-		-
18.02	Intentionally Left Blank						
19	Temporary Bypass Pumping	LS	1		-		-
20	Intentionally Left Blank						
21	Intentionally Left Blank						
22	Erosion Control	LS	1		-		-
22.01	Inlet Protection	EA	1		-		-
22.02	Silt Fencing	LF	95		-		-
23	Traffic Control	LS	1		-		-
24	Excavate and Inspect Existing Main Connections	LS	1		-		-
25	Sewer lateral locate	EA	2		-		-
26	Intentionally Left Blank						
27	Remove / reinstall street signage	EA	3		-		-
28	Relocate decorative items in ROW	EA	1		-		-
29	Protect Power Poles	EA	1		-		-
	SubTotal Construction Cost				-		-
30	Mobilization		10%		-		-
31	Record Drawings		2%		-		-
32	Contingency (10% of SubTotal)		10%		-		-
	Total Construction Cost				-		-
	To be considered responsive, it is the sole responsibility of the bidder to correctly calculate and manually enter all sub-totals, contingencies, and total bid prices for each lift station.						

ADDENDUM NO. 5 - APPENDIX L, REVISED BID PRICING FO							
IFBC NO. 24-TA005521JK							
PROJECT NAME:		Southwest Service Area D Force Main Replacement - Lift Station 21D					
PROJECT NUMBER:		6089781					
Bidders must provide pricing for each available item with quantity for their bid to be considered responsive				BID A 390 CALENDAR DAYS		BID B 330 CALENDAR DAYS	
FORCE MAIN 21-D SERVING LIFT STATION RTU 229							
ITEM NO.	DESCRIPTION	U/M	QTY.	UNIT PRICE (\$)	EXTENDED PRICE (\$)	UNIT PRICE (\$)	EXTENDED PRICE (\$)
1	Curb Replacement	LF	20		-		-
2	Asphalt Pavement Restoration						
2.01	Road Pavement Base	SY	3		-		-
2.02	Asphalt, S-I, 2" thick	SY	7		-		-
2.03	Asphalt, S-III, 3/4" thick	SY	212		-		-
2.04	Asphalt Pavement Restoration (Mill)	SY	212		-		-
3	Thermoplastic Striping						
3.01							
3.02	Edge of Pavement Line, White, 6"	LF	172		-		-
3.03	Yellow Solid, 6"	LF	172		-		-
3.04	Intentionally Left Blank						
4	Intentionally Left Blank						
5	Driveway Restoration						
5.01	Intentionally Left Blank						
5.02	Intentionally Left Blank						
5.03	Intentionally Left Blank						
5.04	Intentionally Left Blank						
6	Sodding	SY	65		-		-
7	Misc. Vegetation & Tree Removal						
7.01	General Removal and/or Trimming Vegetation	LS	1		-		-
7.02	Intentionally Left Blank						
7.03	Intentionally Left Blank						
7.04	Intentionally Left Blank						
8	Mailbox, removal/reinstall and new						
8.01	Intentionally Left Blank						
8.02	Intentionally Left Blank						
9	Intentionally Left Blank						
10	Remove Existing Items						
10.01	Valve	EA	1		-		-
10.02	Ex. Foremain	LF	20		-		-
11	Pipe (Wastewater)						
11.01	Intentionally Left Blank						
11.02	Intentionally Left Blank						
11.03	Intentionally Left Blank						
11.04	Intentionally Left Blank						
11.05	Intentionally Left Blank						
12	HDPE MJ Adapters (Wastewater)						
12.01	4"	EA	2		-		-
13	DI Fittings (Wastewater)						
13.01	Bends, <90, 4"	EA	6		-		-
13.02	Bends, 90, 4"	EA	2		-		-
13.03	Intentionally Left Blank						
13.04	Intentionally Left Blank						
13.05	Sleeves, 4"	EA	2		-		-
14	Pipe Joint Restraints						
14.01	4"	EA	3		-		-
14.02	Intentionally Left Blank						
14.03	Intentionally Left Blank						
15	Valves (Wastewater)						
15.01	Plug, 4"	EA	1		-		-
15.02	Intentionally Left Blank						
15.03	Intentionally Left Blank						
15.04	Intentionally Left Blank						
15.05	Intentionally Left Blank						
16	Tapping Sleeves (Wastewater) (316 SS)						
16.01	Intentionally Left Blank						
16.02	Intentionally Left Blank						
17	Air Release Valves (Wastewater)						
17.01	Above ground	EA	1		-		-
17.02	Fiberglass enclosure	EA	1		-		-
18	Pipeline Connections a Structures						
18.01	Lift Station	EA	1		-		-
18.02	Gravity Manhole (>6')	EA	1		-		-
19	Temporary Bypass Pumping	LS	1		-		-
20	Concrete Manhole Bottom / Channel/Bench	VF	12		-		-
21	Intentionally Left Blank						
22	Erosion Control	LS	1		-		-
22.01	Inlet Protection	EA	2		-		-
22.02	Silt Fencing	LF	10		-		-
23	Traffic Control	LS	1		-		-
24	Excavate and Inspect Existing Main Connections	LS	1		-		-
25	Intentionally Left Blank						
26	Remove / reinstall railing section of guardrail	EA	1		-		-
27	Remove / reinstall street signage	EA	1		-		-
28	Relocate decorative items in ROW	EA	2		-		-
29	Intentionally Left Blank						
	SubTotal Construction Cost				-		-
25	Mobilization		10%		-		-
26	Record Drawings		2%		-		-
27	Contingency (10% of SubTotal)		10%		-		-
	Total Construction Cost				-		-
	To be considered responsive, it is the sole responsibility of the bidder to correctly calculate and manually enter all sub-totals, contingencies, and total bid prices for each lift station.						

ADDENDUM NO. 5 - APPENDIX L, REVISED BID PRICING FORM							
IFBC NO. 24-TA005521JK							
PROJECT NAME:		Southwest Service Area D Force Main Replacement - Lift Station 4D					
PROJECT NUMBER:		6089781					
Bidders must provide pricing for each available item with quantity for their bid to be considered responsive				BID A 390 CALENDAR DAYS		BID B 330 CALENDAR DAYS	
FORCE MAIN 4-D SERVING LIFT STATION RTU 231							
ITEM NO.	DESCRIPTION	U/M	QTY.	UNIT PRICE (\$)	EXTENDED PRICE (\$)	UNIT PRICE (\$)	EXTENDED PRICE (\$)
1	Intentionally Left Blank						
2	Asphalt Pavement Restoration						
2.01	Road Pavement Base	SY	116		-		-
2.02	Asphalt, S-I, 2" thick	SY	162		-		-
2.03	Asphalt, S-III, 3/4" thick	SY	304		-		-
2.04	Asphalt Pavement Restoration (Mill)	SY	304		-		-
3	Thermoplastic Striping						
3.01	Intentionally Left Blank						
3.02	Edge of Pavement Line, White, 6"	LF	239		-		-
3.03	Yellow Solid, 6"	LF	472		-		-
3.04	Intentionally Left Blank						
4	Intentionally Left Blank						
5	Driveway Restoration						
5.01	Concrete	SY	166		-		-
5.02	Intentionally Left Blank						
5.03	Intentionally Left Blank						
5.04	Intentionally Left Blank						
6	Sodding	SY	279		-		-
7	Misc. Vegetation & Tree Removal						
7.01	General Removal and/or Trimming Vegetation	LS	1		-		-
7.02	Intentionally Left Blank						
7.03	Intentionally Left Blank						
7.04	Intentionally Left Blank						
8	Mailbox, removal/reinstall and new						
8.01	Intentionally Left Blank						
8.02	Intentionally Left Blank						
9	Grout Fill Abandoned Pipe (flowable fill)	CY	3		-		-
10	Remove Existing Items						
10.01	Valve	EA	1		-		-
10.02	Ex. Forcemain	LF	30		-		-
10.03	Air Release Valve	EA	1		-		-
10.04	Intentionally Left Blank						
11	Pipe (Wastewater)						
11.01	HDPE (DR 11), 4"	LF	693		-		-
11.02	PVC (C-900), 4"	LF	45		-		-
11.03	Intentionally Left Blank						
11.04	Intentionally Left Blank						
11.05	Intentionally Left Blank						
12	HDPE MJ Adapters (Wastewater)						
12.01	4"	EA	3		-		-
13	DI Fittings (Wastewater)						
13.01	Bends, <90, 4"	EA	8		-		-
13.02	Bends, 90, 4"	EA	2		-		-
13.03	Intentionally Left Blank						
13.04	Intentionally Left Blank						
13.05	Sleeves, 4"	EA	2		-		-
14	Pipe Joint Restraints						
14.01	4"	EA	2		-		-
14.02	Intentionally Left Blank						
14.03	Intentionally Left Blank						
15	Valves (Wastewater)						
15.01	Plug, 4"	EA	2		-		-
15.02	Intentionally Left Blank						
15.03	Intentionally Left Blank						
15.04	Intentionally Left Blank						
15.05	Intentionally Left Blank						
16	Tapping Sleeves (Wastewater) (3/16 SS)						
16.01	Intentionally Left Blank						
16.02	Intentionally Left Blank						
17	Air Release Valves (Wastewater)						
17.01	Above ground	EA	1		-		-
17.02	Fiberglass enclosure	EA	1		-		-
18	Pipeline Connections a Structures						
18.01	Lift Station	EA	1		-		-
18.02	Intentionally Left Blank						
19	Temporary Bypass Pumping	LS	1		-		-
20	Intentionally Left Blank						
21	Intentionally Left Blank						
22	Erosion Control	LS	1		-		-
22.01	Intentionally Left Blank						
22.02	Silt Fencing	LF	131		-		-
23	Traffic Control	LS	1		-		-
24	Excavate and Inspect Existing Main Connections	LS	1		-		-
25	Intentionally Left Blank						
26	Remove / reinstall railing section of guardrail	EA	2		-		-
27	Remove / reinstall street signage	EA	2		-		-
28	Intentionally Left Blank						
29	Intentionally Left Blank						
	SubTotal Construction Cost				-		-
30	Mobilization (% of SubTotal)		10%		-		-
31	Record Drawings		2%		-		-
32	Contingency (10% of SubTotal)		10%		-		-
	Total Construction Cost				-		-
	** To be considered responsive, it is the sole responsibility of the bidder to correctly calculate and manually enter all sub-totals, contingencies, and total bid prices for each lift station.**						

ADDENDUM NO. 5 - APPENDIX L, BID PRICING FORM

IFBC NO. 24-TA005521JK

PROJECT NAME:

Southwest Service Area D Force Main Replacement - Bid Summary

PROJECT NUMBER:

6089781

Bidders must provide pricing for each available item with quantity for their bid to be considered responsive

	BID SUMMARY	BID A 390 CALENDAR DAYS	BID B 330 CALENDAR DAYS
	Lift Station 7D		
	Lift Station 22D		
	Lift Station 21D		
	Lift Station 4D		
	Total Construction Cost	-	-

****To be considered responsive, it is the sole responsibility of the bidder to correctly calculate and manually enter all sub-totals, contingencies, and total**

SECTION 01150 MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 SCOPE

- A. The scope of this section of the Contract Documents is to further define the items included in each Bid Item in the Bid Form section of the Contract Documents. Payment will be made based on the specified items included in the description in this section for each bid item.
- B. All contract prices included in the Bid Form section will be full compensation for all shop drawings, working drawings, labor, materials, tools, equipment and incidentals necessary to complete the construction as shown on the Drawings and/or as specified in the Contract Documents to be performed under this Contract. Actual quantities of each item bid on a unit price basis will be determined upon completion of the construction in the manner set up for each item in this section of the Specifications. Payment for all items listed in the Bid Form will constitute full compensation for all work shown and/or specified to be performed under this Contract.

1.02 ESTIMATED QUANTITIES

The quantities shown are approximate and are given only as a basis of calculation upon which the award of the Contract is to be made. The County does not assume any responsibility for the final quantities, nor shall the Contractor claim misunderstanding because of such estimate of quantities. Final payment will be made only for satisfactorily completed quantity of each item.

1.03 WORK OUTSIDE AUTHORIZED LIMITS

No payment will be made for work constructed outside the authorized limits of work.

1.04 MEASUREMENT STANDARDS

Unless otherwise specified for the particular items involved, all measurements of distance shall be taken horizontally or vertically.

1.05 AREA MEASUREMENTS

In the measurement of items to be paid for on the basis of area of finished work, the lengths and/or widths to be used in the calculations shall be the final dimensions measured along the surface of the completed work within the neat lines shown or designated.

1.06 LUMP SUM ITEMS

Where payment for items is shown to be paid for on a lump sum basis, no separate payment will be made for any item of work required to complete the lump sum items. Lump sum contracts shall be complete, tested and fully operable prior to request for final payment. Contractor may be required to provide a break-down of the lump sum totals.

1.07 UNIT PRICE ITEM

Separate payment will be made for the items of work described herein and listed on the Bid Form. Any related work not specifically listed, but required for satisfactory completion of the work shall

be considered to be included in the scope of the appropriate listed work items.

No separate payment will be made for the following items and the cost of such work shall be included in the applicable pay items of work. Final payments shall not be requested by the Contractor or made by the County until as-built (record) drawings have been submitted and approved by the County.

1. Project signs and photographs.
2. Removal, repair, replacement or relocation of all signs, walls, private irrigation systems and related items.
3. Rubbish and spoil removal.
4. Shop Drawings, Working Drawings.
5. Clearing, grubbing and grading except as hereinafter specified.
6. Trench excavation, including necessary pavement removal and rock removal, except as otherwise specified.
7. Dewatering and disposal of surplus water.
8. Structural fill, backfill, and grading.
9. Replacement of unpaved roadways, and shrubbery plots.
10. Cleanup & miscellaneous work.
11. Foundation and borrow materials, except as hereinafter specified.
12. Testing and placing system in operation.
13. Any material and equipment required to be installed and utilized for the tests.
14. Pipe, structures, pavement replacement, asphalt and shell driveways and/or appurtenances included within the limits of lump sum work, unless otherwise shown.
15. Maintaining the existing quality of service during construction.
16. Appurtenant work as required for a complete and operable system.
17. Seeding and hydromulching.

BID ITEM NO. 1: CURB REPLACEMENT

Measurement shall be per linear feet of curb replacement.

Payment will be for the actual linear feet and type of curbing installed and accepted. Curb replacement shall match the existing curb and shall be constructed in accordance with the latest FDOT Specifications, Section 520, and the latest Manatee County Transportation Department Highway and Drainage Standards. Payment shall represent full compensation for all labor, material and equipment required for the curb replacement.

The unit bid price shall include, but is not limited to, removal, proper disposal, compaction, forming, reinforcement, furnishing, placing the concrete, finishing as specified and all incidentals necessary to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 2: ASPHALT PAVEMENT RESTORATION

Measurement shall be per square yards of asphalt pavement restoration. Payment will be for the actual square yards of pavement restoration installed and accepted.

The unit bid price shall include, but is not limited to, all required items, including base, subbase, milling, asphalt overlay, prime and tack coats, labor, materials and equipment, testing and incidentals necessary to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 3: THERMOPLASTIC STRIPING

Payment for all work included in this Bid Item will be made at the applicable Contract unit price bid per Gross Mile or lineal foot to replace existing thermoplastic striping of the types indicated on the Bid Form to current FDOT standards, as shown on the Drawings or where directed by the Project Representative.

Measurement and Payment shall be according to the Gross Mile or lineal foot as shown on the Bid Form. Payment shall represent full compensation for replacement of existing thermoplastic striping, including but not limited to all labor, material and equipment and all incidentals necessary for completion of this Bid Item, ready for approval and acceptance by the County.

BID ITEM NO. 4: SIDEWALK REPLACEMENT, CONCRETE

Measurement shall be per square yards of concrete sidewalk replacement.

Concrete sidewalk replacement shall be replaced in accordance with the latest Manatee County Transportation Department Highway and Drainage Standards.

Payment will be for the actual square yards of concrete sidewalk installed and accepted.

The unit bid price shall include, but is not limited to, all labor, materials and equipment, cutting joints, reinforcing, finishing, testing and incidentals necessary to complete this bid item, ready for approval and acceptance by the County.

BID ITEM NO. 5: DRIVEWAY RESTORATION

Measurement shall be per square yards of driveway restoration.

Payment will be for the actual square yards of driveway restoration installed and accepted.

Payment for all work included in these Bid Items will be made at the applicable contract unit bid price per square yard of shell, asphaltic concrete, or concrete driveway restoration as listed on the Bid Form. Disturbed driveways shall be replaced or restored in accordance with the latest Manatee County Transportation Department Highway Standards.

The unit bid price shall include, but is not limited to, all labor, materials and equipment for cutting the edges of existing driveways, compacting subgrade, furnishing and installing the shell, asphaltic concrete or concrete and all incidentals necessary to complete these bid items ready for approval and acceptance by the County.

BID ITEM NO. 6: SODDING

Measurement shall be per square yards of sod installed, alive and growing.

Payment will be per actual quantity of square yards of sodding, seeding and mulching installed and accepted.

The unit bid price shall include, but is not limited to, cutting down the existing ground to accept sod, installation, watering, and all labor, materials, necessary equipment, and incidentals necessary to complete this bid item, ready for approval and acceptance by the County.

Sod placed at the edge of the roadway shall not create a "dam" and impede storm water runoff from existing the roadway and entering the stormwater conveyance system.

BID ITEM NO. 7: MISC. VEGETATION & TREE REMOVAL

All removals shall be coordinated with the County Inspector prior to removal to establish the extend of work required. Work done under this bid item completed without County Inspector prior approval shall not be paid.

Misc. Vegetation:

Measurement and Payment will be the trimming and/or removal of vegetation in proximity to the pipeline to be installed and its proper disposal.

Payment shall be the lump sum bid price and shall include, but is not limited to, the trimming of and/or the complete removal of surrounding vegetation, fill dirt; compaction; all labor, supervision, supplies, tools, equipment, sod, and incidentals necessary to complete this bid item, ready for approval and acceptance by the County.

Tree Removal:

Measurement and Payment will be for the complete removal of an existing tree in proximity to the pipeline to be installed and its proper disposal.

Payment shall be per each tree removed and shall include, but is not limited to, the removal of over-head tree branches, the complete removal of the existing tree, fill dirt; compaction; all labor, supervision, supplies, tools, equipment, sod, and incidentals necessary to complete this bid item, ready for approval and acceptance by the County.

This item addresses the necessary removal of trees of the size indicated in the bid item name, including all tree portions above grade and the root ball portion below ground within the work area. Also included is necessary cut and fill to remove the tree and to restore the surface to required grades.

Tree Removal

4.1"-6"

6.1"-12"

12.1"-24" or Cluster Equivalent

BID ITEM NO. 8: MAILBOX, REMOVAL / REINSTALLED OR NEW

Removal/Reinstalled:

Measurement and payment shall be for each mailbox removed and reinstalled.

The unit bid price shall include, but is not limited to, all labor, materials and equipment required to remove and reinstall each mailbox and existing mailbox support back to existing conditions, excavation, concrete, backfill, compaction and incidentals necessary to complete this bid item, ready for approval and acceptance by the County.

New Installations:

Measurement and payment shall be for each new complete mailbox installed.

The unit bid price shall include, but is not limited to, all labor, materials and equipment required to furnish and install all new mailbox and mailbox support that matches existing, excavation,

concrete, backfill, compaction and incidentals necessary to complete this bid item, ready for approval and acceptance by the County.

BID ITEM NO. 9: GROUT FILL ABANDONED PIPE (CEMENT SLURRY)

Measurement shall be per cubic yard of grout fill.

Payment will be per actual quantity of cubic yards of grout fill furnished, installed and accepted in any size of pipe, abandoned and left in place.

The unit bid price shall include, but is not limited to, cleaning (flushing & capture - force mains), labor, materials, sludge removal and disposal, equipment for mixing and placing the grout, end of pipe caps (w/ offset hole at top of cap), grout tubes, and all incidentals necessary to complete this bid item, ready for approval and acceptance by the County. Grout lengths shall not exceed 2,000 LF.

BID ITEM NO. 10: REMOVE EXISTING ITEMS

Measurement shall be per each existing item removed.

Payment will be according to the item removed as listed on the Bid Form.

The unit bid price shall include, but is not limited to, removal and proper disposal of item, as noted to be removed on the plans, all labor, materials and equipment required to complete these bid items ready for approval and acceptance by the County.

BID ITEM NO. 11: PIPE

Measurement for the quantity of pipe to be paid for under these Bid Items shall be the length in linear feet of pipe measured along the centerline of pipe through valves, fittings and manholes, in place, completed and accepted. Installation shall be by open-cut or directional drill.

Payment will be according to the type of pipe installed (PVC, ductile iron or HDPE), diameter of pipe as listed on the Bid Form.

The unit bid price shall include, but is not limited to, furnishing and installing all pipe; temporary blow-offs for disinfecting pipe; and materials above or below ground along pipeline alignment; joints and jointing materials; field layout; bracing, shoring and sheeting; excavation, including rock; dewatering, clearing, grubbing, stripping, and trenching, including exploratory excavation; electronic detectable path marking tape; detector wire; bedding, backfill and compaction; chlorinating; constructing the specified protection and adjusting of existing aboveground and underground utilities and service connections; polyethylene encasement; butt fusion welds; drilling fluid disposal; thrust blocking; disposal of spoil; hydrostatic testing; labor, equipment and materials required and all other related and necessary items required to complete these bid items, ready for approval and acceptance by the County.

No additional compensation shall be made for excavation below the bottom of the pipe, for rock removal or bedding and backfill material, or for repair of any trench settlement. Traffic control, erosion control, services, fittings, joint restraints and pipe adapters paid under separate bid items. Site restoration shall be included in this bid item, unless another bid items has been provided.

BID ITEM NO. 12: HDPE MJ ADAPTORS WITH BACKUP GLAND

Measurement and payment will be according to the number and the size of each HDPE mechanical joint adaptor with backup gland as listed on the Bid Form.

The unit bid price shall include, but is not limited to, furnishing and installing fused HDPE mechanical joint adaptor w/ backup gland and jointing materials; bolts, nuts, washers, gaskets, hydrostatic testing; and all other related and necessary materials, labor and equipment required to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 13: FITTINGS

Measurement and Payment shall be per each type of fitting installed (PVC, DI), diameter, etc. furnished and installed as listed on the Bid Form.

The unit bid price shall include, but is not limited to, furnishing and installing tees, crosses, bends, sleeves, plugs, caps, reducers, increasers, couplings; all fittings and materials above or below ground along the pipeline alignment; restraints, and jointing materials; bolts, nuts, washers, gaskets, coating, lining, excavation, including rock; thrust blocking; bracing, shoring, and sheeting; dewatering, clearing, grubbing, and stripping; trenching, bedding and backfill; constructing the specified protection and adjusting of existing aboveground and underground utilities and service connections; disposal of spoil; hydrostatic testing; and all other related and necessary materials, labor and equipment required to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 14: PIPE JOINT RESTRAINTS

Measurement shall be per each pipe joint restraint used in restraining pipe joints. The quantity to be paid for under these bid items is the number of restraints furnished, installed and accepted.

Payment will be according to the size of the restraint, as listed on the Bid Form.

The unit bid price shall include, but is not limited to, furnishing and installing all restraining devices above or below ground along the pipeline alignment, excavation, bracing, shoring, sheeting, dewatering, clearing, grubbing, stripping, bedding, backfill, disposal of spoil, bolts and nuts, hydrostatic testing, and other related and necessary materials, labor and equipment required to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 15: VALVES

Measurement shall be per each valve, furnished and installed.

Payment will be according to the size and type of valve, as listed on the Bid Form.

The unit bid price shall include, but is not limited to, valves, valve boxes and covers, concrete pad, identification disc, extension stems, cutting, adapters, gaskets, jointing materials, restraints, connectors, pipe sleeves, detector wire, excavation, including rock, backfill, dewatering, sheeting, shoring, and any other related and necessary materials, labor and equipment required to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 16: TAPPING SLEEVE

Measurement shall be per each tapping sleeve furnished and installed.

Payment will be according to the size and type of tapping sleeve, as listed on the Bid Form. Tapping valve shall be paid separately.

The unit bid price shall include, but is not limited to, cutting, adapters, gaskets, jointing materials, connectors, pipe sleeves, excavation, including rock, backfill, dewatering, sheeting, shoring, and any other related and necessary materials, labor and equipment required to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 17: AIR RELEASE VALVE & ENCLOSURE

Air Release Valve:

Measurement shall be per each automatic air release valve furnished and installed.

Payment will be according to the size of the air release valve, as listed on the Bid Form.

The unit bid price shall include, but is not limited to, dewatering, excavation, including rock excavation, valve inclusive of tapping saddle, shutoff valve and nipples, concrete pad, bedding, backfill, compaction, testing, and any other related and necessary materials, labor, and equipment required to complete these bid items, ready for approval and acceptance by the County. Manhole or stainless steel cabinet shall be paid under separate bid item.

Fiberglass Enclosure:

Measurement shall be per each cabinet used on aboveground air release valves.

Payment will be according to the quantity of cabinets installed.

The unit bid price shall include, but is not limited to, all hardware, pad, anchorage, excavation, and any other related and necessary materials, labor, and equipment required to complete this bid item, ready for approval and acceptance by the County.

BID ITEM NO. 18: PIPELINE CONNECTIONS AT STRUCTURES

Measurement and Payment shall be per each incidental repairs required to finish the force main installation at existing structures. This excludes the items already listed as Bid Items, but shall include all other items necessary.

The unit bid price shall include, but is not limited to, excavation, including rock excavation, boot, adapters, seals, plugs, non-shrink hydraulic grout, backfill, compaction, testing; labor, equipment, material and all other items necessary to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 19: TEMPORARY BY-PASS PUMPING SYSTEM

Measurement shall be lump sum for the by-pass pumping system required.

Payment will be according to the maximum flow and maximum head required as listed on the Bid

Form.

The lump sum price shall include, but is not limited to, pumps, piping, temporary lines, vacuum trucks, anchors, barricades, noise abatement procedures, and all other related and necessary materials, labor and equipment required to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 20: CONCRETE MANHOLE BOTTOM / CHANNEL / BENCH

Measurement shall be per cubic yard of concrete installed or removed.

Payment will be according to the Bid Item as listed on the Bid Form.

The unit bid price shall include, but is not limited to, removing, furnishing and installing concrete manhole bottoms; formed channels (elevated as required); bench, reinforcement; proper disposal of spoil; and any other items, materials and incidentals necessary to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 21: REPAIR EXISTING LINER

Measurement and Payment shall be per square foot of existing liner repaired as listed on the Bid Form.

To Be Repaired:

The unit bid price shall include, but is not limited to, liner repair, grout, eliminate water infiltration, spoil removal and disposal; all labor, welds, materials, equipment, etc., and all incidentals necessary to complete these bid items, ready for approval and acceptance by the County.

BID ITEM NO. 22: EROSION AND SEDIMENT CONTROL

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum price bid for furnishing, installing and maintaining erosion and sediment control facilities as required by County and State regulations and as shown on the Contract Drawings or as directed by the Project Representative, excluding silt fence and inlet protection. Silt fence and/or inlet protection shall be paid under separate bid items, as needed.

Payment shall represent full compensation for all labor, materials, equipment, permitting and related costs, documents and compliance, and incidentals necessary to complete the work. Measurement shall be according to the approved Schedule of Values submitted by the Contractor.

Percent of Original Contract Amount:	Percent Allowable Payment of ESC Bid Item Price:
5	25
10	35
25	45
50	50
75	75
100	100

Inlet Protection:

This Bid Item includes all labor, equipment, and materials for the construction and maintenance of all inlet protection devices for erosion and sediment control as shown on the Contract Drawings, acceptably furnished and installed where directed by the Project Representative and as required by State Regulations. Measurement will be per each inlet protected. Payment for all work under this Bid Item shall be made at the applicable Contract unit price bid for protection of each inlet.

Silt Fencing:

Payment for all work included in this Bid Item will be made at the applicable Contract unit price bid per linear foot for furnishing, installing, and maintaining silt fence. This Bid Item includes the construction of staked silt fence as specified acceptably furnished and installed as shown on the Drawings or where directed by the Project Representative. Measurement will be according to the number of linear feet of staked silt fence installed and accepted.

BID ITEM NO. 23: TRAFFIC CONTROL, SIGNING & BARRICADES TO FDOT STDS.

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum price bid for Traffic Control, Signing, and Barricades to FDOT Standards. This item includes but is not limited to furnishing, installing, and maintaining all vehicular and pedestrian traffic control, corridors, detours, temporary signing, MOT devices, barricades, flaggers, coordination with County staff and residents, temporary **concrete safety barriers (FDOT type K Index 415) with end treatment** as required by FDOT standards during trench excavation, restoration of signal detector loops & leads, removal of existing thermoplastic markings and striping as required, temporary lighting, temporary striping and markings, temporary signal re-timing and adjustments, preparation of MOT plans and Detour Plans by an individual with advanced FDOT certification, all as required by FDOT standards and as shown on the Drawings or where directed by the Project Representative. Payment shall represent full compensation for all traffic control, and all associated tasks, including but not limited to all labor, materials and equipment and all incidentals necessary for completion of this Bid Item.

BID ITEM NO. 24: EXCAVATE AND INSPECT EXISTING MAIN CONNECTIONS

Measurement and payment shall be lump sum on the basis for acceptably excavated, located, inspected, and backfilled.

This bid item describes measurement and payment for excavating, locating, and inspection (inspection with Manatee County staff) of the existing main as indicated on the Drawings. During inspection, Manatee County staff will determine if the main (and/or fitting) needs to be replaced.

Payment will be for all materials, labor, and equipment required to perform the work including sheeting, shoring and bracing; dewatering, excavation; bedding and backfill; compaction and testing; protection and adjusting of existing above ground and underground utilities and service connections; disposal of soil; cleaning, protection of culverts and drainage facilities, erosion and sedimentation control, surface restoration, maintenance of traffic and temporary pavement replacement as required, and all other related and necessary materials, work and equipment required to excavate, inspect, and backfill the main connections.

BID ITEM NO. 25: SEWER LATERAL LOCATES

Measurement and payment shall be per existing sewer lateral vertically and horizontally located prior to installation of the proposed force main.

This bid item describes measurement and payment for excavating, locating, measuring the depth or gathering survey quality GPS locations, and providing to County staff for evaluation. The gathered data shall be red-lined (written) on the plans on submitted to the County.

Payment will be for all materials, labor, and equipment required to perform the work including sheeting, shoring and bracing; dewatering, excavation; bedding and backfill; compaction and testing; protection and adjusting of existing above ground and underground utilities and service connections; disposal of soil; cleaning, protection of culverts and drainage facilities, erosion and sedimentation control, surface restoration, maintenance of traffic and temporary pavement replacement as required, and all other related and necessary materials, work and equipment required to excavate, inspect, and backfill the exposed areas.

BID ITEM NO. 26: REMOVE / REINSTALL GUARDRAIL SECTIONS RAILINGS

Measurement and payment shall be per W-Beam panel section of guardrail removed and reinstalled to allow for the installation of pipe between the guardrail posts. Contractor shall coordinate with County inspector prior to commencing work. MOT shall be in-place prior to any modifications to the existing guardrails.

Payment will be for all materials, labor, and equipment required to perform the work ready for approval and acceptance by the County.

BID ITEM NO. 27: REMOVE / REINSTALL STREET SIGNAGE

Measurement and payment shall be per each street signage removed, protected, stored, and re-installed to allow for the installation of pipe in the right-of-way. Contractor shall coordinate with County inspector prior to commencing work. MOT shall be in-place prior to the removal of any street signage.

Payment will be for all materials, labor, and equipment required to perform the work ready for approval and acceptance by the County.

BID ITEM NO. 28: RELOCATE DECORATIVE ROCKS IN ROW

Measurement and payment shall be per each decorative rock with the right-of-way that must be moved by mechanical means. The decorative rocks shall be relocated out of the way, protected, stored, and relocated back to their original position to allow for the installation of pipe in the right-of-way. Contractor shall coordinate with County inspector prior to commencing work.

Payment will be for all materials, labor, and equipment required to perform the work ready for approval and acceptance by the County.

BID ITEM NO. 29: PROTECT POWER POLES

Measurement and payment shall be per each power pole required to be protected by additional supports or be mechanical means as required by the power supply authority. The contractor shall be responsible for coordinating with the power authority and arranging for the power poles to be protected during construction activities. Contractor shall coordinate with County staff as to the status of the discussion and agreements prior to commencing work.

Payment will be for all materials, labor, and equipment required to perform the work ready for approval and acceptance by the County.

BID ITEM NO. 30 MOBILIZATION

Measurement and payment for this Bid Item shall include full compensation for the required 100 percent (100%) Performance Bond, 100 Percent (100%) Payment Bond, all required insurance for the project and the Contractor's mobilization and demobilization costs as shown in the Bid Form. Mobilization includes, but it not limited to: preparation and movement of personnel, equipment, supplies and incidentals such as safety and sanitary supplies/ facilities.

Payment for mobilization shall not exceed 10 percent (10%) of the total Contract cost unless the Contractor can prove to the County that his actual mobilization cost exceeds 10 percent (10%).

Partial payments for this Bid Item will be made in accordance with the following schedule:

Percent of Original Contract Amount:	Percent Allowable Payment of Mobilization/Demobilization Bid Item Price:
5	25
10	35
25	45
50	50
75	75
100	100

These payments will be subject to the standard retainage provided in the Contract. Payment of the retainage will be made after completion of the work and demobilization.

BID ITEM NO. 31: RECORD DRAWINGS

Payment for all work included under this Bid Item shall be made at the Contract lump sum price bid listed in the Bid Form and shall represent full compensation for all labor, materials and equipment required to generate and provide record drawings approved and accepted by the County. Record drawings shall be in strict accordance with Section 1.15 and/or 1.16 of the Manatee County Public Work Utility Standards.

BID ITEM NO. 32: CONTRACT CONTINGENCY

Payment for all work under this Bid Item shall be made only at the County's discretion. This Bid Item shall not exceed 10% of the Bidders Total Base Bid. The Bidder shall calculate and enter a

dollar amount for this Bid Item.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION