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Solicitation Addendum

Addendum No.:	5
Solicitation No.:	19-TA003162CD
Project No.:	6086960 and 6045662
Solicitation Title:	44 th Avenue East Extension Project- from 45 th Street East to I-75
Addendum Date:	December 10, 2019
Procurement Contact:	Chris Daley, CPPO, CPPB- Procurement Manager

IFBC No. 19-TA003162CD 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. 19-TA003162CD.

Change to:

ADVERTISEMENT, DATE, TIME AND PLACE DUE:

The Due Date and Time for submission of Bids in response to this IFBC is **January 15, 2020 at 3:00 P.M. ET**. Bids must be delivered to the following location: Manatee County Administration Building, 1112 Manatee Ave. W., Suite 803, Bradenton, FL 34205 prior to the Due Date and Time.

Change to:

INFORMATION FOR BIDDERS, FIRST PARAGRAPH OF SECTION A.01 BID DUE DATE:

The Due Date and Time for submission of Bids in response to this Invitation for Bid (IFBC) is **January 15, 2020 at 3:00 P.M. ET**. Bids must be delivered to the following location: Manatee County Administration Building, 1112 Manatee Ave. W., Suite 803, Bradenton, FL 34205 and time stamped by a Procurement representative prior to the Due Date and Time.

Change to:

INFORMATION FOR BIDDERS, SECTION A.51 SOLICITATION SCHEDULE

The following schedule has been established for this Solicitation process. Refer to the County's website (www.mymanatee.org > Business > *Bids & Proposals*) for meeting locations and updated information pertaining to any revisions to this schedule.

Scheduled Item	Scheduled Date
Non-Mandatory Information Conference	October 3, 2019 at 9:00 AM
Question and Clarification Deadline	November 13, 2019
Final Addendum Posted	<u>December 18, 2019</u>
Bid Response Due Date and Time	<u>January 15, 2020, 3:00 PM, ET</u>
Due Diligence Review Completed	<u>January 22, 2020</u>
Projected Award	<u>Projected Award February 2020</u>

Replace:

APPENDIX J, BID PRICING FORM, BID PRICING FORM PAGES APPENDIX J-1 THROUGH J-20

Replace Bid Pricing form pages Appendix J-1 through J-20 with the Revised bid Pricing Form pages Appendix J-1 through J-20 that are issued with this Addendum 5.

Replace:

ELECTRONIC BID PRICING FORM

Replace Electronic Bid Pricing Form with the Revised Electronic Bid Pricing Form issued with this Addendum 5.

Add to:

BID ATTACHMENT 2, SPECIAL PROVISION, CLARIFICATION OF SPECIFIC LINE ITEM:

Line Items #21 and #22, [FDOT 110-5 and 110-6] - Plugging Water Wells, shall include all costs associated with the well grouting/abandonment by a Florida licensed water well contractor in accordance with all applicable rules and regulations.

A review of available records indicated that the following wells are located along the project corridor, although the exact locations and the need to be abandoned have not yet been determined. Other unidentified wells may also exist along the project corridor. Discovery of any wells during construction, including those listed below, shall be brought to the attention of the County to determine whether abandonment is required.

Address	Well Information
5907 44 th Ave E	5" diameter well, 48' of black steel casing, and 140' deep
6301 44 th Ave E	4" diameter well, 30' of galvanized steel casing, and 100' deep
4304 65 th St E	4" diameter well, 33' of galvanized steel casing, and 108' deep
4311 52 nd St E	5" diameter well, 116' of galvanized steel casing, and 138' deep
4304 62 nd St E	4" diameter well, 35' of black steel casing, and 100' deep

Survey also located a 4" well south of the corner of Morgan Johnson Rd and 44th Ave E, but no records are available

Replace:

BID ATTACHMENT 12, ROADWAY PLANS-44TH AVENUE PLAZA EAST TO I-75, PLAN SHEET NUMBERS 1, 2C, 3, 12, 13, 16, 41, 44, 45, 46, 64, 65, 66, 68, 69, and 75.

Replace Bid Attachment 12 Plan Sheet numbers 1, 2C, 3, 12, 13, 16, 41, 44, 45, 46, 64, 65, 66, 68, 69, and 75 with the revised Plan Sheet Numbers 1, 2C, 3, 12, 13, 16, 41, 44, 45, 46, 64, 65, 66, 68, 69, and 75 issued with this Addendum 5.

Add:

The following items are issued with this Addendum 5 for informational purposes only:

1. Kmz file for 44th Avenue Plaza East to I-75
2. Attendance Record for Informational Conference held on October 5, 2019
3. Plan holders list for those Bidders that chose to download from DemandStar. Note: Manatee County does not track who downloads from our County website, and therefore cannot provide a complete plan holders list.

Clarifications of Engineer's Changes:

Bid Attachment 12, Roadway Plan Sheets:

Sheet 1 – Updated for Revision 03 sheets / signature sheet numbering change to 2C

Sheet 2C – Signature sheet for Revision 03

Sheet 3 – Quantity Changes:

Sheet 12 – Removed Concrete Class II, Endwalls column, corrected Ditch Pavement column / total

Sheet 13 – Removed Concrete Class II, Endwalls column, corrected Ditch Pavement column / total

Sheet 16 – Driveway radial change and conduit for property owner

Sheet 41 – Modified notes for pay items changes]

Sheet 44 – Added earthwork table for SMF07B and SMF09 [

Sheet 45 – Added wetland buffers per SWFWMD permitting process request

Sheet 46 – Added wetland buffers per SWFWMD permitting process request

Sheet 64 – Driveway change

Sheet 65 – Added wetland lines per SWFWMD permitting process request

Sheet 66 – Added wetland lines and double row of sediment barrier per SWFWMD permitting process request

Sheet 68 – Added wetland lines per SWFWMD permitting process request

Sheet 69 – Added wetland lines per SWFWMD permitting process request

Sheet 75 – Driveway change

QUESTIONS AND RESPONSES:

Q1. Regarding Pay Items #21 & #22, The plugging of the existing wells, the well drillers will need to know the size, depth, location and all other pertinent information in order to properly price the plugging of these wells. Please provide this information as needed.

R1. Clarifications for these pay items have been added to the Special Provisions with this Addendum 5.

Q2. Are there any requirements on the monetary percentage of work to be performed by the prime contractor? Sometimes 51% is required, please confirm.

R2. No.

Q3. Reference Special Provisions page 2, Laboratory Testing, this section states that 'Testing for work shall be performed at no expense to the Contractor', does this include testing necessary for bridge construction, ie. PDA monitoring? Please clarify.

R3. The County will hire a qualified testing firm to perform all project testing.

Q4. We would like to know if an asphalt index applies for this project.

R4. There will be no asphalt indexing applied to this project.

Q5. Reference SPECIAL PROVISIONS of the specifications, pages 10 through 14, FABRIC FORMED CONCRETE REVETMENT MAT, there is no pay item for this product, do not understand why this specification is in the book. Please clarify.

R5. This product is not required for this project.

Q6. Reference plan sheet SQ – 21 summary of railing and plan sheet 3 pay items, call out pay item 515-1-2 which is Index 515-070 (old index 870). However, on the roadway plan sheets 41 and 43 it calls out Index 862 for which the job has no pay item. Which is it?

R6. SQ-21 is correct, use 515-1-2.

Q7. Reference bid form, pay items 21 and 22, first, these wells will have to be logged by Southwest Florida Water Management District (SWFMD), and then with that information the Contractor can solicit to a licensed well driller for pricing to plug them, for now these items need to be removed from the bid form and handled as a change order. Also, SWFMD has in the past reimbursed the Owner, in this case Manatee County, half the cost of plugging the wells. Please remove these items from the bid form.

R7. See response to question 1 above.

Q8. Reference bid form pay item 46, quantity column for Braden River Segment, bid form shows 19, plans show 21, please review and clarify.

Q8. Plans quantity has been rechecked, and the quantity shall be 19.

Q9. Reference bid form, pay item 59, bid quantity shows 3-each, plans show 4-each, please review.

R9. The bid form has been updated.

Q10. Reference bid form pay item 70, according to Braden River Section plans, sheet SQ-20, this item should be elliptical/arch pipe equivalent to 15-inch RCP, not 18-inch RCP, this bid item description needs to be corrected.

R10. The bid form has been updated.

Q11. Reference bid form, pay item 89, bid quantity for Braden River Segment shows 0-0EA, plan sheet 29, SUMMARY OF DRAINAGTE STRUCTURES (8B) shows 1EA, please review.

R11. The bid form has been updated.

Q12. Reference the Braden River Segment plans, plan sheet 15, CROSS DRAIN MES, 42", there is one (1) mitered end for this size pipe, structure no. 100A, but there is no pay item for it. Please add a bid item for this structure.

R12. The bid form has been updated.

Q13. Reference bid form, pay items 109 and 110, we know the separators are to be Type I, but what Option, I or II? Please clarify.

R13. Index 302 Note 2 on Sheet 1 of 4 states " Either Option I or Option II may be used for Types I and IV separators except when a specific option is called for in the plans."

Q14. Reference bid form, pay item 119 and 120, will the Bank and Shore Rip-Rap and the Bedding Stone have to be F.D.O.T. certified material?

R14. Yes, the materials have to be FDOT certified.

Q15. The roadway typical calls out Optional Base Group 9 and 1. Is the contractor permitted to use any FDOT approved optional base?

R15. Yes.

Q16. The project special provision provides detail information related to crushed concrete base. Are we to assume this is Manatee County's requirement for Optional Base group 9 and 1?

R16. The contractor is permitted to use any FDOT approved optional base, however, if crushed concrete base is used, it must also meet the specifications provided in the Special Provisions

Q17. Since this project will require more than 60,000 tons of optional base material it is very likely there is not enough FDOT crushed concrete available at approved mines to provide all the material. Will Manatee County allow limerock base material as a suitable FDOT option in lieu of crushed concrete base?

R17. The contractor is permitted to use any FDOT approved optional base.

Q18. We kindly request the County to reduce the requirement by which the bidder must be registered to do business with the State of Florida since September 2014.

R18. This requirement applies to the prime bidder and will remain unchanged.

Q19. The pay item for the 8" insertion valves indicates 2 EA. Plan sheet U-09 calls out for 3 EA. Will there be quantity adjustments as needed for this and any other items in an upcoming addendum?

R19. The bid form has been updated.

Q20. On project 6086960 plan sheets L-15, L-16 and L-17 show 1 run of 2-2" PVC Sch 80 embedded conduit on the north side of the bridge and 1 run on the south side of the bridge. General Note 21 says to look at the Bridge Structural plans for conduit, pull box, junction box and their locations. On plan sheets B-67 and B-68 they show 2 runs of 2-2" PVC Sch 80 embedded conduit on the north side of the bridge and 2 runs on the south side of the bridge, this would double the quantity of conduit. Is the bid form being updated to show the additional conduit footage on each side of the bridge? If no, how should we proceed?

R20. Two conduits are required per FDOT Standard Index 21210. Their cost is incidental to the barrier. See the Pay Item note 9 on sheet B-6.

Q21. For the Ductile Iron Pipe bid items, do the bid items with "RJ" need to be factory restrained joints such as Flex-Ring manufactured by American Cast Iron Pipe Co. or does the "RJ" just need to be restrained and an external bell restraint like an EBAA Bell Restraint sufficient?

R21. Refer to specification section 02615, Ductile Iron Pipe and Fittings, 2.01, G, for a listing of approved restraining device type: thrust blocks, restraining glands (wedge type), factory restrained joint, and restraining gaskets. For the restraining glands (wedge type), refer to the approved product list for

acceptable manufacturers. The exception is for the above ground piping mounted on the bridge where restrained joints shall be Flex-Ring or equal per the drawings.

Q22. On Sheet U-28 there is 3" Ductile Iron Pipe called out but I don't see a bid item # for it? Where do you want us to include payment for it?

R22. This is Bid Item # UWW-1H 3" DIP RJ.

Q23. On Sheet U-22 there is a 8" 90 degree bend but no bid item # for it. Where do you want us to include payment for it?

R23. This is Bid Item # UW-2X 8" 90 Degree Bend.

Q24. Where do you want us to include the payment for Chlorine Injection Points and Sample Points?

R24. Disinfection of the piping system is identified in the Measurement and Payment section as being included in the price of the pipe. Consequently, all components necessary to perform the disinfection (such as, chlorine injection and sample points) shall be included in the price of the pipe.

Q25. Is this job Federally Funded or have a domestic requirement?

R25. No.

Q26. For Flange Adapters, Sheet U-61 Calls for "Uni-Flange Series 2800" which is a Ford product, however, on your approved materials list it calls out a Ford Series 420. Is this because the Series 420 on your list only goes from 2"-12" and for 36" pipe like on SH U-61 I need to use the Uni-flange Series 2800? Please advise.

R26. Please follow the Approved Products List. For 36" pipe, Starflange Series 3200 and Sigmaflange SFA Series DP are acceptable.

Q27. Please clarify embedded conduit to be installed in traffic railing and concrete parapet as shown on structural plan sheets B-67 & B-68. It appears the quantity provided by the county for conduit open trench (630-2-11), which is to include the embedded conduit quantity will come up short. The bridge measures 1,500 LF in length x 4 rails x 2 conduit per railing.

R27. Two conduits are required per FDOT Standard Index 21210. Their cost is incidental to the barrier. See the Pay Item note 9 on sheet B-6.

Q28. Please clarify under which pay item number the contractor shall be paid for installation of the embedded pull boxes.

R28. Their cost is incidental to the barrier. See the Pay Item note 9 on sheet B-6 and design index 21210 sheet 1 note 9.

Q29. There is not a pay item number for Temporary Signalization & Maintenance of Intersection. How will the contractor be paid for any temporary or maintenance of the existing signalized intersections?

R29. See sheet 3. 102-107-1 is listed in the Summary of Pay Items.

Q30. Please provide an optional materials table for all storm drain.

R30. Pipes will be RCP

Q31. Please provide utility relocation schedules.

R31. Relocations have not been scheduled. Contractor will coordinate with utilities for relocations.

Q32 Please update the bid form to include pay item No. 102-X “Special Detour,” as needed.

R.32 Temporary pavement quantities are already included on the bid form for the areas of temporary pavement shown on the plans. Any other related costs should be included in the MOT line item. A “Special Detour” line item is not needed.

Q33. Please confirm only one cycle of mowing and litter removal will be required for the project duration.

R33. Mowing and litter removal requirements can be found under “Maintenance and Restoration of Job Site” on page 17 of the Special Provisions.

Q34. Is there a .KMZ available for the job?

R34. KMZ files have been provided with this Addendum 5 for informational purposes only. The KMZ files shall not be used in place of the signed and sealed construction drawings.

Q35. Plan sheets T-14 thru T-16 show embedded conduit for the installation of the fiber optic cable. However, there is no footage call out for this conduit. Please clarify how the contractor will be compensated for this conduit.

R35. Two 2” conduits are shown on Typical Sheet B-12 for Bridge No. 134130, and cost is included in the cost of the bridge.

Q36. Please clarify which embedded pull boxes per index 21210 are required?

R36. Two 2” conduits are shown on Typical Sheet B-12 for Bridge No. 134130. Embedded Junction Box EJB “A” for Double Conduit shall be used.

Q37. Reference plan sheet U-23, at approximately station 191+70, plan view, why is the design calling for a 36” Tee that is MJxMJxFlange and a 36” flanged butterfly valve? Installing flanged fittings for direct bury service is not standard practice. Please review.

R37. Due to the pipeline installation phasing requirements, the referenced 36” tee and butterfly valve will be installed, and the pipeline made operational prior to the installation of the proposed 36” piping downstream of the valve. This will result in a temporary dead end in the piping system and requiring restraining the valve to the tee. Given the limited space available and time restraints, the flanged connection was determined to be the best option for providing the required restraint. Bidders are to bid the design as shown. After award of the project, the County and the Engineer of Record will review requests for alternative approaches from the awarded Contractor, if requested, during shop drawing submittals.

Q38. Reference plan sheet U-23, at approximately station 191+70, plan view, the 36” Tee, MJxMJxFL, is going to take approximately 6-months to get and is not a fitting that is normally manufactured, why isn’t this tee an all MJ tee with restrainers?

R38. See response to question 37 above.

Q39. Reference plan sheets U-65 and U-66, unable to determine what fittings are to be paid with regard to the pipe at the bridge, please define the limits of the bridge work with regard to the pipeline work.

R39. Refer to Sheets U-65 & U-66, Section Views. The bridge piping pay time begins and ends between, but not including, the above ground 45 degree vertical bends.

Q40. Reference plan sheet U-49, profile view station 232+09 to 233+03 shows this footage of pipe to be restrained, how much of this pipe is PVC and how much is ductile iron?

R40. The pipe for the offset under the drainage pipe is ductile iron pipe between the 45 degree fittings at approximately Sta 232+23 and Sta 232+50.

Q41. Reference bid form, Pay Item 274, UW-2B 36" 45 Degree Bend, bid quantity shows 25-each, plans show 21-each, two (2) of these are flanged and nineteen (19) of these are restrained mechanical joint, please clarify.

R41. There are twenty-five (25) total 36" 45 degree bends, located as follows:

- Sheet U-20: six (6); Sheet U-21: two (2); Sheet U-22: two (2); Sheet U-23: six (6); Sheet U-24: four (4); Sheet U-26: four (4); Sheet U-27: one (1)

Q42. Reference bid form, Pay Item 281, UW-2I 36"x8" Tee, bid quantity shows 1-each, plans show 2-each, please clarify.

R42. The bid form for this pay item has been updated with this Addendum 5.

Q43. Reference bid form, Pay Item 284, UW-2L 30: 45 Degree Bend, bid quantity shows 12-each, plans show 14-each, please clarify.

R43. There are fourteen (14) total in the project, but only twelve (12) under Pay Item UW-2L:

- Sheet U-20: four (4)
- Sheet U-21: eight (8)

The two (2) on Sheet U-23 are included in Pay Item UW-17B, 51st Street E 30-Inch Interconnection.

Q44. Reference bid form, Pay Item 289, UW-2Q 30" Cap, bid quantity shows 1-each, plan sheet U-61 shows 2-each, please clarify.

R44. The bid form for this pay item has been updated with this Addendum 5.

Q45. Reference bid form, Pay Item 287, UW-2O 30" x 8" Reducer, unable to find a domestic manufacturer that makes this size reducer and am checking to see if it is available from China or India, if foreign fittings are allowed? In the meantime please consider using a larger reducer with a smaller reducer to get to the 8-inch size required.

R45. To achieve the 30" x 8" reduction, use a 30" x 16" RJ reducer, a 12" to 24" (long) PO x PO nipple piece and a 16" x 8" RJ reducer. The cost for this assembly will be paid for under the Pay Item 287, UW-2O 30" x 8" Reducer.

Q46. Reference bid form, Pay Item 295, UW-2W 10"X8" Reducer, bid form shows 3-each, plans show 2-each, please clarify.

R46. There are 3 total 10" x 8" reducers under Pay Item 295, UW-2W:

- Sheet U-29: one (1); Sheet U-41: one (1); Sheet U-39/U-71: one (1)

Q47. Reference bid form, Pay Item 297, UW-2Y 8" 45 Degree Bend, bid quantity shows 18-each, plans show 23-each, please clarify.

R47. There are a total of twenty-three (23) 8" 45 degree bends in the project, but only 19 are under Pay Item 297, UW-2Y: Sheet U-21: two (2); Sheet U-29: four (4); Sheet U-30: four (4); Sheet U-32: two (2); Sheet U-34: two (2); Sheet U-39/U-71: three (3); Sheet U-41: two (2). The bid form for this pay item has been updated with this Addendum 5. The four (4) on Sheet U-23/U-62 are included in Bid Item UW-17A, 51st Street E 36-Inch Interconnection.

Q48. Reference bid form, Pay Item 298, UW-2Z 8" 22.5 Degree Bend, bid quantity shows 5-each, plans show 6-each, please clarify.

R48. The bid form for this pay item has been updated with this Addendum 5.

Q49. Reference bid form, Pay Item 300, UW-2AB 8"x6" Reducer, bid quantity shows 2-each, plans show 1-each, please clarify.

R49. The bid form for this pay item has been updated with this Addendum 5.

Q50. Reference bid form, Pay Item 302, UW-2AD 8"x6" Tee, bid quantity shows 7-each, plans show 8-each, please clarify.

R50. The bid form for this pay item has been updated with this Addendum 5.

Q51. Reference bid form, Pay Item 305, UW-2AG 6" 90 Degree Bend, bid quantity shows 5-each plans show 7-each, please clarify.

R51. There are a total of nine (9) 6" 90 degree bends in the project, but only five (5) are under Pay Item 305, UW-2AG: Sheet U-20: one (1); Sheet U-30: one (1); Sheet U-32: one (1); Sheet U-34: one (1); Sheet U-38/U-70: one (1).

The following four (4) are included in other bid items:

- Sheet U-21: one (1) under Pay Item 331, UW-10 Fire Hydrant Assembly
- Sheet U-29: one (1) under Pay Item 349, UW-17C Braden River Church Interconnection.
- Sheet U-38/U-70: two (2) temporary under Pay Item 321, UW-6 Temporary 6-Inch Water Main

Q52. Reference bid form, Pay Item 311, UW-3 2" PVC Water Main, instead of SDR-21 PVC pipe, can we use SDR-9 HDPE blue pipe?

R52. This is acceptable.

Q53. Reference plan sheets U-27 and U-49, with regard to the 8-inch potable water main, in profile view between stations 219+00 and 221+00, where does the type of pipe change from ductile iron to PVC?

R53. DIP is from 36" x 8" tee to the 2nd 8" 22.5 degree bend at approximately Sta 219+90

Q54. Reference plan sheets U-32 and U-51, with regard to the 8-inch potable water main, in profile view between stations 253+50 to 255+50, where does the type of pipe change from ductile iron to PVC?

R54. The 8" ductile iron pipe is between the 11.25 degree bend at approximately Sta 253+86 to the fire hydrant assembly at approximately Sta 254+72

Q55. With regard to questions above, the areas where ductile iron pipe is to be installed needs to be defined in order to analyze types of accessories for fittings as well as making the transition from ductile to PVC, please review these areas.

R55. In general, ductile iron pipe was used under pavement ending a minimum of 5 feet beyond pavement. However, if a fitting is located nearby, the DIP should be extended to the fitting.

Q56. Reference specifications Section 02615, DUCTILE IRON PIPE AND FITTINGS, page 67 of 153, sub-par G, last paragraph, what grade stainless steel are the bolts, nuts, washers, all thread and hardware supposed to be?

R56. 316 Stainless Steel

Q57. How long can the Elwood Booster Pump Station be shut down?

R57. Refer to sheet U-08, Phase 4, Note A. The shutdown is limited to 12 hours, coordinated with the county, and not during school hours.

Q58. Reference plan sheet U-62, Note #4, what “condition” is the pipe expected to be in, and how is the Contractor expected to determine “condition” upon exposing and visually inspecting, what kind of condition are we looking for?

R58. We do not anticipate any issues with the condition of the pipe. The intent was to ensure that the pipe joints matched the laying schedule.

Q59. Reference plan sheets U-27 – U-33, what type of pipe is the existing 8-inch potable water main that is to be removed as well as connected to?

R59. In discussions with the County during the design phase, there was no concern that the pipe is asbestos cement. However, we are not sure if the pipe is CIP/DIP or PVC.

Q60. Reference plan sheet U-65, the twenty (20) foot lengths of pipe shown on this sheet are not available and the closest to this length available would be 19’-6” and that can only come from one ductile pipe manufacturer. If these long lengths are critical to the design then we are limited to one pipe manufacturer and are sole sourcing the bridge crossing pipe as a result. We will be soliciting to three (3) ductile pipe manufacturers and two (2) of them only make the pipe in eighteen (18) foot lengths. An eighteen (18) foot length of pipe with a flanged end will lay up 17’-6”. At this time we do not know which of the three ductile pipe companies will have the best pricing for the job and need to know how critical it is that the design lengths have to be met. Please comment.

R60. Any pipe manufacturers that meets the specifications can be used. The important element of the detail is that the pipe supports are located on the structural components. The pipe lengths can vary as long as these conditions are met. If the pipe supports need to be shifted, contractor to provide a revised laying schedule for review.

Q61. Reference plan sheet U-64, PIPE SUPPORT detail, Note 3, please provide a detail of the “threaded rods”, not clear on their use with the Hilti Anchor.

R61. The threaded rods are part of the Hilti anchoring system.

Q62. Reference plan sheet U-64, PIPE SUPPORT detail, with regard to the pipe strap, what kind of material, and how wide is the strap for each size pipe?

R62. The strap will be steel, and the width is to be determined by the vendor as part of the overall pipe support shop drawing submittal.

Q63. On project 6086960 Plan Sheet L-4, General Note #8 requires the contractor to verify at final inspection the horizontal foot-candle levels. The designer has provided the pole heights and type of fixtures and data to install the lighting, why would the contractor be responsible for foot-candle levels? Isn’t this an unnecessary cost? (Note: this is not a requirement on the portion of the project from 44th to I-75).

R63. The purpose is to certify that all lighting components were properly installed, not to verify the design.

Q64. Reference HDR plans, 44th Ave. Plaza E. to I-75, sheet 13, existing structures 017, 024 and 025, the remarks column tells us these structures are to be modified, but there is no pay item for this work. Please clarify.

R64. The pay item for Concrete class II has been removed for these drainage structures and a new pay item – 425-11 Modify Existing Drainage Structure has been added to the bid form. Sheet 41 has been updated with notes to clarify all work falls under 425-11.

Q65. Reference HDR plans, regarding the excavation and embankment quantities, there is no excavation and embankment summary for proposed pond SMF07B or the existing pond SMF09 that is to be expanded. Please provide excavation and embankment quantities for these two ponds.

R65. The project excavation and embankment quantities were combined totals. The breakdown of excavation and embankment volumes for SMF07B and SMF09 have been added to Sheet 44.

Q66. Reference HDR plans and bid form, Pay Item No. 20, Removal of Existing Concrete, this bid item does not have a quantity in the 44th Ave. East – 44th Ave. Plaza East to I-75 column and there is a considerable amount of curb and sidewalk on this side of the job to be removed, but no bid item to be compensated for it in. Please review and or explain where we are to be compensated for the removal of these concrete items

R66. The bid form has been updated to show 3,269 SY of 110-4-10 – Removal of Existing Concrete.

Q67. Reference bid form, Pay Item 57, INLETS, DT BOT, LTYPE D, <10', bid form does not include the two inlets shown on the 44th Avenue Plaza to I-75 plans, structures no. 201 and 204, please correct the bid form.

R67. The bid form has been updated to show 2 EA.

NOTE: Items that are ~~struck through~~ are deleted. Items that are underlined have been added or changed. All other terms and conditions remain as stated in the IFBC.

End of Addendum

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.

AUTHORIZED FOR RELEASE Chris Daley

BID FORM

(Submit in Triplicate)

44th Avenue East Extension Project - from 45th Street East to I-75

Based on Completion Time of 900 Calendar Days

PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
ROADWAY & BRIDGE								
1.	0101 1	Mobilization (Includes both projects)			1.00	LS		
2.	0102 1	Maintenance of Traffic (MOT), (Includes both Projects)			1.00	LS		
3.	0102 60	WORK ZONE SIGN	335.00		335.00	ED		
4.	0102 74 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	744.00		744.00	ED		
5.	0102 74 2	CHANNELIZING DEVICE, TYPE III, 6'	203.00		203.00	ED		
6.	0102 76	ARROW BOARD / ADVANCE WARNING ARROW PANEL	400.00		400.00	ED		
7.	0102 78	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	961.00		961.00	EA		
8.	0102 99	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	1,800.00		1,800.00	ED		
9.	0102107 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	200.00		200.00	ED		
10.	0103 1	TEMPORARY WORK STRUCTURE	1.00		1.00	LS		
11.	0104 10 3	SEDIMENT BARRIER	25,889.00	8,307.00	34,196.00	LF		
12.	0104 11	FLOATING TURBIDITY BARRIER	444.00		444.00	LF		
13.	0104 12	STAKED TURBIDITY BARRIER- NYLON REINFORCED PVC	76.00		76.00	LF		
14.	0104-15	SOIL TRACKING PREVENTION DEVICE		2.00	2.00	EA		
15.	0104 18	INLET PROTECTION SYSTEM	120.00	51.00	171.00	EA		
16.	0107 1	LITTER REMOVAL	17.80	5.28	23.08	AC		
17.	0107 2	MOWING	9.34	5.28	14.62	AC		
18.	0108 2	PROTECTION OF EXISTING STRUCTURES- VIBRATION MONITORING	1.00		1.00	LS		
19.	0110 1 1	CLEARING & GRUBBING	40.10	11.12	51.22	AC		
20.	0110 4 10	REMOVAL OF EXISTING CONCRETE	4,041.00	3,269.00	7,310.00	SY		
21.	0110 5	PLUGGING WATER WELLS, ARTESIAN	1.00		1.00	EA		
22.	0110 6	PLUGGING WATER WELLS, NON-ARTESIAN	1.00		1.00	EA		
23.	0120 1	REGULAR EXCAVATION	81,736.00	16,678.00	98,414.00	CY		
24.	0120 4	SUBSOIL EXCAVATION	1,851.00		1,851.00	CY		

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**44th Avenue East Extension Project - from 45th Street East to I-75
 Based on Completion Time of 900 Calendar Days**

PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
25.	0120 6	EMBANKMENT	68,998.00	3,707.00	72,705.00	CY		
26.	0160 4	TYPE B STABILIZATION	101,690.00	23,500.00	125,190.00	SY		
27.	0285701	OPTIONAL BASE, BASE GROUP 01	10,354.00		10,354.00	SY		
28.	0285709	OPTIONAL BASE, BASE GROUP 09	70,797.00	20,874.00	91,671.00	SY		
29.	0327 70 5	MILLING EXIST ASPH PAVT, 2" AVG DEPTH	4,591.00		4,591.00	SY		
30.	0327-70-6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH		15,664.00	15,664.00	SY		
31.	0334 1 12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	647.70		647.70	TN		
32.	0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	10,641.00	4,737.00	15,378.00	TN		
33.	0337 7 83	ASPHALT CONCRETE FRICTION COURSE, Traffic C, FC-12.5, PG 76-22, ARB	9,501.00	3,015.00	12,516.00	TN		
34.	0339 1	MISCELLANEOUS ASPHALT PAVEMENT	85.25		85.25	TN		
35.	0400 0 11	CONCRETE CLASS NS, GRAVITY WALL	58.00	75.00	133.00	CY		
36.	0400 1 2	CONCRETE CLASS I, ENDWALLS	8.00		8.00	CY		
37.	0400 2 2	CONCRETE CLASS II, ENDWALLS	12.50	0.00	12.50	CY		
38.	0400 2 4	CONC CLASS II, SUPERSTRUCTURE	4,851.20		4,851.20	CY		
39.	0400 2 10	CONCRETE CLASS II, APPROACH SLABS	248.60		248.60	CY		
40.	0400 4 5	CONCRETE CLASS IV, SUBSTRUCTURE	920.50		920.50	CY		
41.	0400 9	BRIDGE DECK GROOVING & PLANING, DECK 8.5">	13,368.90		13,368.90	SY		
42.	0400147	COMPOSITE NEOPRENE PADS	142.40		142.40	CF		
43.	0415 1 4	REINFORCING STEEL - SUPERSTRUCTURE	1,268,424.00		1,268,424.00	LB		
44.	0415 1 5	REINFORCING STEEL- SUBSTRUCTURE	220,858.00		220,858.00	LB		
45.	0415 1 9	REINFORCING STEEL- APPROACH SLABS	47,262.00		47,262.00	LB		
46.	0425 11	MODIFY EXISTING DRAINAGE STRUCTURE		3.00	3.00	EA		
47.	0425 1351	INLETS, CURB, TYPE P-5, <10'	19.00	24.00	43.00	EA		
48.	0425 1352	INLETS, CURB, TYPE P-5, >10'	2.00		2.00	EA		
49.	0425-1-355	INLETS, CURB, TYPE P-5, PARTIAL		2.00	2.00	EA		
50.	0425 1361	INLETS, CURB, TYPE P-6, <10'	18.00	2.00	20.00	EA		
51.	0425-1-365	INLETS, CURB, TYPE P-6, PARTIAL		4.00	4.00	EA		
52.	0425 1451	INLETS, CURB, TYPE J-5, <10'	11.00	3.00	14.00	EA		

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44th Avenue East Extension Project - from 45th Street East to I-75

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PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
53.	0425 1452	INLETS, CURB, TYPE J-5, >10'	9.00		9.00	EA		
54.	0425 1461	INLETS, CURB, TYPE J-6, <10'	9.00	3.00	12.00	EA		
55.	0425 1462	INLETS, CURB, TYPE J-6, >10'	2.00		2.00	EA		
56.	0425-1-529	INLETS, DT BOT, TYPE C, MODIFY		1.00	1.00	EA		
57.	0425 1531	INLETS, DITCH BOTTOM, TYPE C MODIFIED- BACK OF SIDEWALK, <10'	20.00		20.00	EA		
58.	0425 1541	INLETS, DT BOT, TYPE D, <10'	3.00	2.00	5.00	EA		
59.	0425-1-549	INLETS, DT BOT, TYPE D, MODIFY		2.00	2.00	EA		
60.	0425 1551	INLETS, DT BOT, TYPE E, <10'	4.00		4.00	EA		
61.	0425 1581	INLETS, DT BOT, TYPE H, <10'	2.00		2.00	EA		
62.	0425 1891	INLETS, BARRIER WALL, <10'	5.00		5.00	EA		
63.	0425 1910	INLETS, CLOSED FLUME	4.00		4.00	EA		
64.	0425 2 41	MANHOLES, P-7, <10'	6.00		6.00	EA		
65.	0425-2-61	MANHOLES, P-8, < 10'		2.00	2.00	EA		
66.	0425-2-63	MANHOLES, P-8, PARTIAL		1.00	1.00	EA		
67.	0425 2 71	MANHOLES, J-7, <10'	9.00		9.00	EA		
68.	0425 2 72	MANHOLES, J-7, >10'	5.00		5.00	EA		
69.	0425-2-91	MANHOLES, J-8, < 10'		2.00	2.00	EA		
70.	0430174115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"SD	63.00		63.00	LF		
71.	0430174215	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 15"SD	68.00		68.00	LF		
72.	0430175112	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 12"S/CD	53.00		53.00	LF		
73.	0430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15" S/CD		141.00	141.00	LF		
74.	0430175118	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD	4,228.00	2,679.00	6,907.00	LF		
75.	0430175124	PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD	2,223.00	636.00	2,859.00	LF		
76.	0430175130	PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD	716.00	99.00	815.00	LF		
77.	0430175136	PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD	1,329.00	360.00	1,689.00	LF		
78.	0430175142	PIPE CULVERT, OPT MATERIAL, ROUND, 42"S/CD	695.00		695.00	LF		
79.	0430175148	PIPE CULVERT, OPT MATERIAL, ROUND, 48"S/CD	1,234.00		1,234.00	LF		

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80.	0430175154	PIPE CULVERT, OPT MATERIAL, ROUND, 54"S/CD	3,056.00		3,056.00	LF		
81.	0430175160	PIPE CULVERT, OPT MATERIAL, ROUND, 60"S/CD	1,516.00		1,516.00	LF		
82.	0430175218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 18"S/CD	226.00	8.00	234.00	LF		
83.	0430175224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE-ELIP/ARCH, 24"S/CD	277.00	4.00	281.00	LF		
84.	0430175230	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 30"S/CD	79.00		79.00	LF		
85.	0430175242	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 42"S/CD	198.00		198.00	LF		
86.	0430175254	PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 54"S/CD	36.00		36.00	LF		
87.	0430982123	MITERED END SECTION, OPTIONAL ROUND, 15" CD		1.00	1.00	EA		
88.	0430982125	MITERED END SECTION, OPTIONAL ROUND, 18" CD	2.00	1.00	3.00	EA		
89.	0430982129	MITERED END SECTION, OPTIONAL ROUND, 24" CD	3.00	2.00	5.00	EA		
90.	0430-982-133	MITERED END SECTION, OPTIONAL ROUND, 30" CD	1	1.00	2.00	EA		
91.	0430-982-138	MITERED END SECTION, OPTIONAL ROUND, 36" CD		1.00	1.00	EA		
92.	430-982-140	MITERED END SECTION, OPTIONAL ROUND, 42" CD	1.00		1.00	EA		
93.	0430982142	MITERED END SECTION, OPTIONAL ROUND, 54" CD	2.00		2.00	EA		
94.	0430982143	MITERED END SECTION, OPTIONAL ROUND, 60" CD	1.00		1.00	EA		
95.	0430982625	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 18" CD	2.00		2.00	EA		
96.	0430982629	MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 24" CD	1.00		1.00	EA		
97.	0430984123	MITERED END SECTION, OPTIONAL ROUND, 15" SD	6.00		6.00	EA		
98.	0430984625	MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 18" SD	4.00		4.00	EA		
99.	0450 2 45	PREST BEAMS: FLORIDA-I BEAM 45"	14,937.90		14,937.90	LF		
100.	0455 34 5	PRESTRESSED CONCRETE PILING, 24" SQ	13,278.90		13,278.90	LF		
101.	0455143 5	TEST PILES-PRESTRESSED CONCRETE, 24" SQ	1,217.00		1,217.00	LF		
102.	0458 1 11	BRIDGE DECK EXPANSION JOINT, NEW CONSTRUCTION, F&I POURED JOINT WITH BACKER ROD	689.00		689.00	LF		
103.	0459 71	PILES, POLYETHYLENE SHEETING	59.40		59.40	SY		

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104.	0515-1-1	PIPE HANDRAIL - GUIDERAIL, STEEL		550.00	550.00	LF		
105.	0515 1 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	1,068.00		1,068.00	LF		
106.	0515 42	PEDESTRIAN/BICYCLE RAILING, ALUMINUM, DOUBLE BULLET RAIL	3,124.80		3,124.80	LF		
107.	0519-78	BOLLARDS	4.00		4.00	EA		
108.	0520 1 10	CONCRETE CURB & GUTTER, TYPE F	16,912.00	4,145.00	21,057.00	LF		
109.	0520 1 11	CONCRETE CURB & GUTTER, VARIABLE HEIGHT TYPE F	7,681.00		7,681.00	LF		
110.	0520-2-2	CONCRETE CURB & GUTTER, TYPE AB		8,515.00	8,515.00	LF		
111.	0520 5 11	TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE	1,386.00		1,386.00	LF		
112.	0520 5 16	TRAFFIC SEPARATOR CONCRETE- TYPE I, 8.5' WIDE	1,401.00		1,401.00	LF		
113.	0521 1	MEDIAN CONCRETE BARRIER WALL	3,557.00		3,557.00	LF		
114.	0521 5 1	CONCRETE TRAFFIC RAILING, BRIDGE 32" F - SHAPE	6,249.70		6,249.70	LF		
115.	0521 6 11	CONCRETE PARAPET, PEDESTRIAN/BICYCLE, 27" HEIGHT	3,124.80		3,124.80	LF		
116.	0521 72 5	SHOULDER CONCRETE BARRIER WALL, RIGID-CURB & GUTTER	3,720.00		3,720.00	LF		
117.	0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	5,901.00	4,484.00	10,385.00	SY		
118.	0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	2,849.00		2,849.00	SY		
119.	0524-1-2	CONCRETE DITCH PAVEMENT, NON-REINFORCED, 4"		11.90	11.90	SY		
120.	0527 2	DETECTABLE WARNINGS	495.00	379.00	874.00	SF		
121.	0530 1	RIPRAP, SAND-CEMENT	55.00		55.00	CY		
122.	0530 3 3	RIPRAP- RUBBLE, BANK AND SHORE	1,558.00		1,558.00	TN		
123.	0530-74	BEDDING STONE	1,440.00		1,440.00	TN		
124.	0536 1 0	GUARDRAIL -ROADWAY, GENERAL/LOW SPEED TL-2	366.80		366.80	LF		
125.	0536 85 24	GUARDRAIL END ANCHORAGE ASSEMBLY- PARALLEL	1.00		1.00	EA		
126.	0536 85 26	GUARDRAIL END ANCHORAGE ASSEMBLY- TYPE CRT	1.00		1.00	EA		
127.	0542-70	BUMPER GUARDS, CONCRETE	11.00		11.00	EA		
128.	0550-10-222	FENCING, TYPE B, 5.1-6.0, W/ VINYL COATING	700.00		700.00	LF		
129.	0570 1 1	PERFORMANCE TURF	26,152.00		26,152.00	SY		

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130.	0570 1 2	PERFORMANCE TURF, SOD	19,369.00	18,550.00	37,919.00	SY		
131.	0710 11101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	3.34	3.11	6.45	GM		
132.	0710 11124	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"	97.80		97.80	LF		
133.	0710 11125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	528.10	183.00	711.10	LF		
134.	0710 11131	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE	52.79		52.79	GM		
135.	0710 11160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	2.00		2.00	EA		
136.	0710 11201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	55.40	2.947	58.347	GM		
137.	0710 11224	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"	680.20		680.20	LF		
SUBTOTAL (ROADWAY & BRIDGE ONLY)								
CONTRACT CONTINGENCY WORK FOR ROADWAY & BRIDGE (USED ONLY WITH COUNTY APPROVAL)							10%	
SIGNING AND PAVEMENT MARKING								
138.	0654 2 21	RECTANGULAR RAPID FLASHING BEACON, F&I- SOLAR POWERED, COMPLETE SIGN ASSEMBLY- SINGLE DIRECTION		2.00	2.00	AS		
139.	0654 2 22	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- BACK TO BACK	2.00	1.00	3.00	AS		
140.	0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	58.00	26.00	84.00	AS		
141.	0700 1 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	6.00	1.00	7.00	AS		
142.	0700 1 13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	1.00	5.00	6.00	AS		
143.	0700 1 50	SINGLE POST SIGN, RELOCATE	4.00	1.00	5.00	AS		
144.	0700 1 60	SINGLE POST SIGN, REMOVE	21.00		21.00	AS		
145.	0700-1-74	SINGLE POST SIGN, F&I CUSTOM, 31+ SF		1.00	1.00	AS		
146.	0700 2 12	MULTI- POST SIGN, F&I GROUND MOUNT, 12-20 SF	1.00		1.00	AS		
147.	0700 2 13	MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF	1.00		1.00	AS		

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148.	0700 2 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	2.00	2.00	4.00	AS		
149.	0700 3601	SIGN PANEL, REMOVE, UP TO 12 SF	3.00	2.00	5.00	EA		
150.	0700 6 60	HIGHLIGHTED SIGN, REMOVE	3.00		3.00	AS		
151.	0705 10 1	OBJECT MARKER, TYPE 1	23.00	17.00	40.00	EA		
152.	0705 10 4	OBJECT MARKER, TYPE 4	6.00	3.00	9.00	EA		
153.	0705-11-1	DELINEATOR, FLEXIBLE TUBULAR, YELLOW - YELLOW		8.00	8.00	EA		
154.	0705 11 3	DELINEATOR, FLEXIBLE HIGH VISABILITY MEDIAN	14.00		14.00	EA		
155.	0706 3	RETRO-REFLECTIVE PAVEMENT MARKERS	1,159.00		1,159.00	EA		
156.	0710 11290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	111.00	124.00	235.00	SF		
157.	0710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE		1.00	1.00	LS		
158.	0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	1,606.00	1,436.00	3,042.00	LF		
159.	0711 11124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	500.00		500.00	LF		
160.	0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	395.00	290.00	685.00	LF		
161.	0711 11141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	0.616	0.502	1.118	GM		
162.	0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	2.00		2.00	EA		
163.	0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROW	74.00	25.00	99.00	EA		
164.	0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	474.00	29.00	503.00	LF		
165.	0711 11241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	0.376	0.186	0.562	GM		
166.	0711 14125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	520.00	526.00	1,046.00	LF		
167.	0711 14160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	35.00	8.00	43.00	EA		
168.	0711 14170	THERMOPLASTIC, PREFORMED, WHITE, ARROWS	35.00	8.00	43.00	EA		
169.	0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	8.653	3.263	11.916	GM		
170.	0711 16102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	0.087		0.087	GM		

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171.	0711 16131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	2.687	1.772	4.459	GM		
172.	0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	4.168	1.831	5.999	GM		
173.	0711 17	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS	44.00		44.00	SF		
174.	0713103101	PERMANENT TAPE, WHITE, SOLID, 6" FOR CONCRETE BRIDGES	1.182		1.182	GM		
175.	0713103131	PERMANENT TAPE, WHITE, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	0.591		0.591	GM		
176.	0713103201	PERMANENT TAPE, YELLOW, SOLID, 6" FOR CONCRETE BRIDGES	0.591		0.591	GM		
177.	0713103331	PERMANENT TAPE, BLACK, SKIP/DOTTED, 6" FOR CONCRETE SURFACES	0.591		0.591	GM		
SUBTOTAL (SIGNING & PAVEMENT MARKING ONLY)								
CONTRACT CONTINGENCY WORK FOR SIGNING & PAVEMENT MARKING (USED ONLY WITH COUNTY APPROVAL)							10%	
SIGNALIZATION & LIGHTING								
178.	0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	23,394.00	11,611.00	35,005.00	LF		
179.	0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	3,697.00	2,544.00	6,241.00	LF		
180.	0630-2-14	CONDUIT, FURNISH & INSTALL, ABOVE GROUND		30.00	30.00	LF		
181.	0632 7 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	2.00	1.00	3.00	PI		
182.	0633 1121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	210.00	220.00	430.00	LF		
183.	633 1 122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS		3,994.00	3,994.00	LF		
184.	0633 1123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	10,926.00		10,926.00	LF		
185.	0633 2 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	56.00	8.00	64.00	EA		
186.	0633 3 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	4.00	2.00	6.00	EA		
187.	0633 3 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	7.00	2.00	9.00	EA		
188.	0633 3 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	36.00		36.00	EA		

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BID FORM

(Submit in Triplicate)

**44th Avenue East Extension Project - from 45th Street East to I-75
 Based on Completion Time of 900 Calendar Days**

PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
189.	633 3 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL		2.00	2.00	EA		
190.	0633 3 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	3.00		3.00	EA		
191.	0633 3 17	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL	3.00		3.00	EA		
192.	0633 3 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	1.00		1.00	EA		
193.	0633 3 52	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE TRAY	1.00		1.00	EA		
194.	0633 8 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	414.00	460.00	874.00	LF		
195.	0634-4600	SPAN WIRE ASSEMBLY, REMOVE- POLES REMAIN	1.00		1.00	PI		
196.	0635 2 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	172.00	72.00	244.00	EA		
197.	0635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	13.00	60.00	73.00	EA		
198.	0635 2 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	5.00	2.00	7.00	EA		
199.	0639 1122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	3.00	1.00	4.00	AS		
200.	0639 2 1	ELECTRICAL SERVICE WIRE	980.00	807.00	1,787.00	LF		
201.	0639 3 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	5.00	1.00	6.00	EA		
202.	639 4 6	EMERGENCY GENERATOR- PORTABLE, INSTALL HOUSING ONLY		1.00	1.00	EA		
203.	0641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	4.00	1.00	5.00	EA		
204.	0641 2 13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	4.00	1.00	5.00	EA		
205.	0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	12.00	6.00	18.00	EA		
206.	649 21 6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50		3.00	3.00	EA		
207.	0649 31207	MAST ARM, F&I, WIND SPEED-130, SINGLE ARM, W/O LUMINAIRE-46	1.00		1.00	EA		
208.	0649 31203	MAST ARM, F&I, WIND SPEED-130, SINGLE ARM, W/O LUMINAIRE-60	1.00		1.00	EA		
209.	0649 31204	MAST ARM, F&I, WIND SPEED-130, SINGLE ARM, W/O LUMINAIRE, ARM LENGTH 70.5	1.00		1.00	EA		

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44th Avenue East Extension Project - from 45th Street East to I-75
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PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
210.	0649 31205	MAST ARM,F&I, WIND SPEED-130,SINGLE ARM,W/O LUMINAIRE, ARM LENGTH 78	1.00		1.00	EA		
211.	0650 1 14	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	9.00	6.00	15.00	AS		
212.	0650 1 16	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	5.00	2.00	7.00	AS		
213.	0650 1 19	TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	5.00		5.00	AS		
214.	0650 1 60	TRAFFIC SIGNAL, REMOVE- POLES TO REMAIN	3.00		3.00	AS		
215.	0650 1 70	TRAFFIC SIGNAL, RELOCATE	2.00		2.00	AS		
216.	0653 1 11	COUNTDOWN, 1 WAY	12.00	6.00	18.00	AS		
217.	0660 3 11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	4.00	2.00	6.00	EA		
218.	0660 3 12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	6.00	4.00	10.00	EA		
219.	0660 4 11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	1.00		1.00	EA		
220.	0660 4 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	4.00		4.00	EA		
221.	0660 4 52	VEHICLE DETECTION SYSTEM- VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	1.00		1.00	EA		
222.	0660 6121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	2.00	1.00	3.00	EA		
223.	0660 6122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	2.00	1.00	3.00	EA		
224.	0663 1 111	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, CABINET ELECTRONICS		1.00	1.00	EA		
225.	0663 1 112	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR		3.00	3.00	EA		
226.	0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	12.00	6.00	18.00	EA		
227.	0670 5112	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 2 PREEMPTION	1.00	1.00	2.00	AS		
228.	0670 5400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	1.00		1.00	AS		
229.	0676 2122	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D	4.00	1.00	5.00	EA		

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**44th Avenue East Extension Project - from 45th Street East to I-75
 Based on Completion Time of 900 Calendar Days**

PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
230.	0682 1113	IT'S CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	4.00	1.00	5.00	EA		
231.	0684 1 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	3.00	2.00	5.00	EA		
232.	0684 2 1	DEVICE SERVER, FURNISH & INSTALL	2.00		2.00	EA		
233.	684 6 11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT		1.00	1.00	EA		
234.	684 6 12	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET SUBSCRIBER UNIT		1.00	1.00	EA		
235.	685 1 11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE		1.00	1.00	EA		
236.	0685112	UNINTERRUPTIBLE POWER SOURCE (F&I) ONLINE/DOUBLE CONVERSION	4.00	1.00	5.00	EA		
237.	0685113	UNINTERRUPTIBLE POWER SOURCE (F&I) LINE INTERACTIVE WITH CABINET	1.00		1.00	EA		
238.	0700 3201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	2.00	2.00	4.00	EA		
239.	0700 5 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	4.00	3.00	7.00	EA		
240.	0700 5 50	INTERNALLY ILLUMINATED SIGN, RELOCATE	1.00		1.00	EA		
241.	0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	90,954.00	34,727.00	125,681.00	LF		
242.	0715 1 13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	987.00	500.00	1,487.00	LF		
243.	0715-4-13	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT		22.00	22.00	EA		
244.	0715 4121	LIGHT POLE COMPLETE, F&I, WIND SPEED 130, POLE HEIGHT 40'	55.00		55.00	EA		
245.	0715-4-23	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE SPECIAL FOUNDATION, 40' MOUNTING HEIGHT		31.00	31.00	EA		
246.	0715 5 12	LUMINAIRE & BRACKET ARM, F&I, GALVANIZED STEEL	1.00		1.00	EA		
247.	0715 7 11	LOAD CENTER, F&I, SECONDARY VOLTAGE	2.00	1.00	3.00	EA		
248.	0715-11-111	LUMINAIRE, F&I, ROADWAY, COBRAHEAD		2.00	2.00	EA		
249.	0715500 1	POLE CABLE DISTRIBUTION SYSTEM, CONVENTIONAL	100.00	53.00	153.00	EA		

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44th Avenue East Extension Project - from 45th Street East to I-75

Based on Completion Time of 900 Calendar Days

PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
250.	0715500 3	POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNT	20.00		20.00	EA		
251.	0715512140	LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I, DOUBLE ARM SHOULDER MOUNT, ALUMINUM, 40'	20.00		20.00	EA		
252.	0715515140	LIGHT POLE COMPLETE- SEPCIAL DESIGN, F&I, SINGLE ARM BRIDGE MOUNT, NON-STD ALUMINUM, 40'	20.00		20.00	EA		
SUBTOTAL (SIGNALIZATION & LIGHTING ONLY)								
CONTRACT CONTINGENCY WORK FOR SIGNALIZATION & LIGHT8ING (USED ONLY WITH COUNTY APPROVAL)							10%	
POTABLE WATER								
GENERAL								
253.	UG1	UG-1 Unsuitable Material Excavation Below Grade	500.00		500.00	CY		
254.	UG2	UG-2 Select Backfill Below Grade	500.00		500.00	CY		
255.	UG3	UG-3 Crushed Stone Pipe Bedding	250.00		250.00	CY		
256.	UG4	UG-4 Permanent Roadway Restoration	500.00		500.00	SY		
257.	UG5	UG-5 Temporary Roadway Restoration	500.00		500.00	SY		
258.	UG6	UG-6 Patch Roadway Impacted by Pipe Restraint Installation	200.00		200.00	SY		
259.	UG7	UG-7 Asphalt Overlay	2,000.00		2,000.00	SY		
260.	UG8	UG-8 Driveway Restoration	100.00		100.00	SY		
261.	UG9	UG-9 Sod Restoration	1,500.00		1,500.00	SY		
262.	UG10	UG-10 Tree Replacement	16.00		16.00	EA		
POTABLE WATER INSTALL								
UW-1 Water Main by Open Cut								
263.		UW-1A 36" DIP PO	1,785.00		1,785.00	LF		
264.		UW-1B 36" DIP RJ	2,685.00		2,685.00	LF		
265.		UW-1C 30" DIP PO	1,000.00		1,000.00	LF		
266.		UW-1D 30" DIP RJ	775.00		775.00	LF		
267.		UW-1E 24" DIP RJ	15.00		15.00	LF		
268.		UW-1F 12" DIP RJ	225.00		225.00	LF		
269.		UW-1G 8" DIP PO	190.00		190.00	LF		
270.		UW-1H 8" DIP RJ	706.00		706.00	LF		

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271.		UW-1I 6" DIP RJ	158.00		158.00	LF		
272.		UW-1J 4" DIP RJ	60.00		60.00	LF		
273.		UW-1K 8" PVC Pipe PO	3,477.00		3,477.00	LF		
274.		UW-1L 8" PVC Pipe RJ	552.00		552.00	LF		
275.		UW-1M 6" PVC Pipe RJ	80.00		80.00	LF		
		UW-2 Ductile Iron Water Main Fittings						
276.		UW-2A 36" 90 Degree Bend	3.00		3.00	EA		
277.		UW-2B 36" 45 Degree Bend	25.00		25.00	EA		
278.		UW-2C 36" 22.5 Degree Bend	19.00		19.00	EA		
279.		UW-2D 36" 11.25 Degree Bend	4.00		4.00	EA		
280.		UW-2E 36" x 36" Tee	2.00		2.00	EA		
281.		UW-2F 36" x 30" Tee	1.00		1.00	EA		
282.		UW-2G 36" x 24" Tee	1.00		1.00	EA		
283.		UW-2H 36" x 12" Tee	1.00		1.00	EA		
284.		UW-2I 36" x 8" Tee	2.00		2.00	EA		
285.		UW-2J 36" x 6" Tee	8.00		8.00	EA		
286.		UW-2K 36" Cap	2.00		2.00	EA		
287.		UW-2L 30" 45 Degree Bend	12.00		12.00	EA		
288.		UW-2M 30" 22.5 Degree Bend	2.00		2.00	EA		
289.		UW-2N 30" 11.25 Degree Bend	2.00		2.00	EA		
290.		UW-2O 30" x 8" Reducer	1.00		1.00	EA		
291.		UW-2P 30" x 30" Tee	1.00		1.00	EA		
292.		UW-2Q 30" Cap	2.00		2.00	EA		
293.		UW-2R 24" Cap	1.00		1.00	EA		
294.		UW-2S 12" 45 Degree Bend	4.00		4.00	EA		
295.		UW-2T 12" 11.25 Degree Bend	1.00		1.00	EA		
296.		UW-2U 12" x 6" Tee	1.00		1.00	EA		
297.		UW-2V 12" Cap	1.00		1.00	EA		
298.		UW-2W 10" x 8" Reducer	3.00		3.00	EA		

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44th Avenue East Extension Project - from 45th Street East to I-75

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299.		UW-2X 8" 90 Degree Bend	2.00		2.00	EA		
300.		UW-2Y 8" 45 Degree Bend	19.00		19.00	EA		
301.		UW-2Z 8" 22.5 Degree Bend	6.00		6.00	EA		
302.		UW-2AA 8" 11.25 Degree Bend	9.00		9.00	EA		
303.		UW-2AB 8" x 6" Reducer	1.00		1.00	EA		
304.		UW-2AC 8" x 8" Tee	5.00		5.00	EA		
305.		UW-2AD 8" x 6" Tee	8.00		8.00	EA		
306.		UW-2AE 8" x 4" Tee	1.00		1.00	EA		
307.		UW-2AF 8" Cap	3.00		3.00	EA		
308.		UW-2AG 6" 90 Degree Bend	5.00		5.00	EA		
309.		UW-2AH 6" 45 Degree Bend	2.00		2.00	EA		
310.		UW-2AI 6" x 2" Reducer	1.00		1.00	EA		
311.		UW-2AJ 6" x 6" Tee	5.00		5.00	EA		
312.		UW-2AK 6" Cap	3.00		3.00	EA		
313.		UW-2AL 4" Cap	1.00		1.00	EA		
314.		UW-3 2" PVC Water Main	170.00		170.00	LF		
		UW-4 36" DIP Water Main on New Bridge						
315.		UW-4A 36" DIP/RJ	1,600.00		1,600.00	LF		
316.		UW-4B 36" Expansion Joint	6.00		6.00	EA		
317.		UW-4C Combination Air Valve	1.00		1.00	EA		
318.		UW-4D 36" Pipe Supports	88.00		88.00	EA		
319.		UW-4E Concrete Piles	840.00		840.00	LF		
320.		UW-4F Gravity Thrust Block	125.00		125.00	CY		
321.		UW-4G Pile Cap	31.00		31.00	CY		
322.		UW-4H Concrete Slab	2.00		2.00	CY		
323.		UW-5 10" HDPE by Horizontal Directional Drill (HDD)	220.00		220.00	LF		
324.		UW-6 Temporary 6" Water Main	1.00		1.00	LS		
		UW-7 Butterfly Valve						
325.		UW-7A 36" Butterfly Valve	7.00		7.00	EA		

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326.		UW-7B 30" Butterfly Valve	3.00		3.00	EA		
327.		UW-7C 24" Butterfly Valve	1.00		1.00	EA		
		UW-8 Gate Valve						
328.		UW-8A 12" Gate Valve	2.00		2.00	EA		
329.		UW-8B 8" Gate Valve	11.00		11.00	EA		
330.		UW-8C 6" Gate Valve	9.00		9.00	EA		
331.		UW-8D 4" Gate Valve	1.00		1.00	EA		
332.		UW-8E 2" Gate Valve	1.00		1.00	EA		
333.		UW-9 8" Insertion Valve	3.00		3.00	EA		
334.		UW-10 Fire Hydrant Assembly	15.00		15.00	EA		
		UW-11 Air Release Valves						
335.		UW-11A Above Ground Air Release Valve Assembly	7.00		7.00	EA		
336.		UW-11B Manual Air Release Valve Connection	1.00		1.00	EA		
		UW-12 Water Services						
337.		UW-12A Long Side on 36" Water Main	2.00		2.00	EA		
338.		UW-12B Long Side on 36" Water Main w/ Meter Box Assembly	2.00		2.00	EA		
339.		UW-12C Short Side on 36" Water Main w/ Meter Box Assembly	4.00		4.00	EA		
340.		UW-12D Short Side on 30" Water Main	1.00		1.00	EA		
341.		UW-12E Long Side Service	10.00		10.00	EA		
342.		UW-12F Short Side Service	1.00		1.00	EA		
343.		UW-12G Short Side Service w/ Meter Box Assembly	7.00		7.00	EA		
344.		UW-12H New Short Side Service on 36" WM with Meter Box Assembly & Backflow Preventer (King Property, Sta 216+32)	1.00		1.00	EA		
345.		UW-12I New Short Side Service on 4" WM with Meter Box Assembly & Backflow Preventer (King Property, Sta 917+80)	1.00		1.00	EA		
346.		UW-13 Backflow Preventer	4.00		4.00	EA		
347.		UW-14 Reconnect Water Services for King Property- Allowance	1.00		1.00	LS	\$ 20,000.00	

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348.		UW-15 Jack & Bore with Steel Casing	75.00		75.00	LF		
349.		UW-16 Elwood I Pump Station Interconnection	1.00		1.00	LS		
		UW-17 Pipeline Interconnections						
350.		UW-17A 51st Street E 36" Interconnection	1.00		1.00	LS		
351.		UW-17B 51st Street E 30" Interconnection	1.00		1.00	LS		
352.		UW-17C Braden River Church Interconnection	1.00		1.00	LS		
		UW-18 Restrain Existing Pipe Joints						
353.		UW-18A Restrain Existing 36" PCCP Pipe Joints	16.00		16.00	EA		
354.		UW-18B Restrain Existing 30" DIP Pipe Joints	11.00		11.00	EA		
355.		UW-18C Restrain Existing 8" Pipe Joints	18.00		18.00	EA		
356.		UW-18D Restrain Existing 6" Pipe Joints	5.00		5.00	EA		
357.		UW-18E Restrain Existing 4" Pipe Joints	3.00		3.00	EA		
		POTABLE WATER REMOVE						
		UWR-1 Remove and Dispose of Existing Pipe						
358.		UWR-1A 36" PCCP	3,020.00		3,020.00	LF		
359.		UWR-1B 36" DIP	67.00		67.00	LF		
360.		UWR-1C 30" DIP	1,705.00		1,705.00	LF		
361.		UWR-1D 8" PVC	5,410.00		5,410.00	LF		
362.		UWR-1E 6" PVC	305.00		305.00	LF		
363.		UWR-1F 4" PVC	250.00		250.00	LF		
364.		UWR-2 Remove and Dispose of Existing Thrust Block at Sta 507+00	100.00		100.00	TON		
365.		UWR-3 Remove and Dispose of Temporary 6" Water Main	1.00		1.00	LS		
366.		UWR-4 Remove and Dispose of Existing Water Services	31.00		31.00	EA		
367.		UWR-5 Remove and Salvage Existing Fire Hydrant Assembly	6.00		6.00	EA		
SUBTOTAL (POTABLE WATER ONLY)								
CONTRACT CONTINGENCY WORK FOR POTABLE WATER (USED ONLY WITH COUNTY APPROVAL)							10%	
WASTEWATER								
WASTEWATER FORCE MAIN INSTALL								

Bidder Name: _____

Authorized Signature: _____

BID FORM

(Submit in Triplicate)

**44th Avenue East Extension Project - from 45th Street East to I-75
 Based on Completion Time of 900 Calendar Days**

PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
		UWW-1 DIP Force Main by Open Cut						
368.		UWW-1A 10" DIP PO	280.00		280.00	LF		
369.		UWW-1B 10" DIP RJ	113.00		113.00	LF		
370.		UWW-1C 8" DIP PO	1,508.00		1,508.00	LF		
371.		UWW-1D 8" DIP RJ	587.00		587.00	LF		
372.		UWW-1E 6" DIP PO	85.00		85.00	LF		
373.		UWW-1F 6" DIP RJ	230.00		230.00	LF		
374.		UWW-1G 4" DIP RJ	233.00		233.00	LF		
375.		UWW-1H 3" DIP RJ	10.00		10.00	LF		
376.		UWW-1I 10" PVC PO	790.00		790.00	LF		
377.		UWW-1J 10" PVC RJ	75.00		75.00	LF		
378.		UWW-1K 8" PVC PO	1,049.00		1,049.00	LF		
379.		UWW-1L 8" PVC RJ	626.00		626.00	LF		
380.		UWW-1M 2" PVC	125.00		125.00	LF		
		UWW-2 Ductile Iron Force Main Fittings						
381.		UWW-2A 10" 45 Degree Bend	5.00		5.00	EA		
382.		UWW-2B 10" x 8" Reducer	1.00		1.00	EA		
383.		UWW-2C 10" x 8" Wye	1.00		1.00	EA		
384.		UWW-2D 10" x 4" Tee	1.00		1.00	EA		
385.		UWW-2E 8" 45 Degree Bend	37.00		37.00	EA		
386.		UWW-2F 8" 22.5 Degree Bend	2.00		2.00	EA		
387.		UWW-2G 8" 11.25 Degree Bend	1.00		1.00	EA		
388.		UWW-2H 8" x 8" Tee	1.00		1.00	EA		
389.		UWW-2I 8" x 6" Tee	1.00		1.00	EA		
390.		UWW-2J 8" Cap	2.00		2.00	EA		
391.		UWW-2K 6" 45 Degree Bend	9.00		9.00	EA		
392.		UWW-2L 6" 22.5 Degree Bend	1.00		1.00	EA		
393.		UWW-2M 6" 11.25 Degree Bend	1.00		1.00	EA		
394.		UWW-2N 6" Cap	2.00		2.00	EA		

Bidder Name: _____

Authorized Signature: _____

BID FORM

(Submit in Triplicate)

44th Avenue East Extension Project - from 45th Street East to I-75
Based on Completion Time of 900 Calendar Days

PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
395.		UWW-2O 4" 90 Degree Bend	2.00		2.00	EA		
396.		UWW-2P 4" 45 Degree Bend	8.00		8.00	EA		
397.		UWW-2Q 4" x 3" Reducer	1.00		1.00	EA		
398.		UWW-2R 4" Cap	2.00		2.00	EA		
399.		UWW-2S 3" 90 Degree Bend	2.00		2.00	EA		
		UWW-3 8" DIP Dry Force Main on New Bridge						
400.		UWW-3A 8" DIP/RJ	1,600.00		1,600.00	LF		
401.		UWW-3B 8" Expansion Joint	6.00		6.00	EA		
402.		UWW-3C Combination Air Valve	1.00		1.00	EA		
403.		UWW-3D 8" Pipe Supports	88.00		88.00	EA		
404.		UWW-4 2" HDPE Force Main by HDD	205.00		205.00	LF		
		UWW-5 Gate Valve						
405.		UWW-5A 8" Gate Valve	6.00		6.00	EA		
406.		UWW-5B 6" Gate Valve	1.00		1.00	EA		
407.		UWW-5C 4" Gate Valve	1.00		1.00	EA		
408.		UWW-6 8" Force Main Bypass Assembly	2.00		2.00	EA		
409.		UWW-7 8" Force Main Pigging Port Assembly	2.00		2.00	EA		
410.		UWW-8 8" Force Main Check Valve Assembly	1.00		1.00	EA		
		UWW-9 Air Release Valves						
411.		UWW-9A Above Ground Air Release Valve	2.00		2.00	EA		
412.		UWW-9B Below Grade Air Release Valve	1.00		1.00	EA		
		UWW-10 Tapping Sleeve and Valve						
413.		UWW-10A 20" x 10" Tapping Sleeve and Valve	1.00		1.00	EA		
414.		UWW-10B 20" x 4" Tapping Sleeve and Valve	2.00		2.00	EA		
415.		UWW-11 Cap 8" Force Main at Old Caruso Road	1.00		1.00	LS		
416.		UWW-12 Offset Existing 20" DIP Force Main	2.00		2.00	EA		
417.		UWW-13 Concrete Encasement of Existing 20" DIP Force	8.00		8.00	EA		
418.		UWW-14 Reset Manhole Frame and Cover	1.00		1.00	EA		
419.		UWW-15 Grinder Lift Station at Elwood I PS	1.00		1.00	LS		

Bidder Name: _____

Authorized Signature: _____

BID FORM

(Submit in Triplicate)

44th Avenue East Extension Project - from 45th Street East to I-75

Based on Completion Time of 900 Calendar Days

PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
		UWW-16 Restrain Existing Pipe Joints						
420.		UWW-16A Restrain Existing 8" Pipe Joints	2.00		2.00	EA		
421.		UWW-16B Restrain Existing 3" Pipe Joints	1.00		1.00	EA		
		WASTEWATER GRAVITY SEWER INSTALL						
		UWW-17 Connect to Existing Manhole						
422.		UWW-17A 8" Sanitary Connection	1.00		1.00	EA		
423.		UWW-17B 2" Force Main Connection	1.00		1.00	EA		
424.		UWW-18 8" PVC Gravity Sewer Pipe by Open Cut	565.00		565.00	LF		
425.		UWW-19 Sanitary Sewer Manhole & Cover	1.00		1.00	EA		
426.		UWW-20 Apply Spray Liner to Existing Manhole	3.00		3.00	EA		
		WASTEWATER REMOVE						
		UWWR-1 Remove and Dispose of Existing Force Main						
427.		UWWR-1A 8" PVC	1,320.00		1,320.00	LF		
428.		UWWR-1B 6" PVC	140.00		140.00	LF		
429.		UWWR-1C 3" PVC	10.00		10.00	LF		
430.		UWWR-2 Remove and Dispose of Manhole with CV & AR	1.00		1.00	EA		
431.		UWWR-3 Remove and Dispose of Septic System at Elwoo	1.00		1.00	EA		
SUBTOTAL (WASTEWATER ONLY)								
CONTRACT CONTINGENCY WORK FOR WASTEWATER (USED ONLY WITH COUNTY APPROVAL)							10%	
RECLAIMED WATER								
		URW-1 Reclaimed Water Main by Open Cut						
432.		URW-1A 12" DIP RJ	80.00		80.00	LF		
433.		URW-1B 8" DIP RJ	130.00		130.00	LF		
434.		URW-1C 6" DIP RJ	90.00		90.00	LF		
		URW-2 Ductile Iron Reclaimed Water Main Fittings						
435.		URW-2A 12" 45 Degree Bend	3.00		3.00	EA		
436.		URW-2B 12" x 6" Reducer	1.00		1.00	EA		
437.		URW-2C 12" x 12" Tee	1.00		1.00	EA		
438.		URW-2D 12" Cap	1.00		1.00	EA		

Bidder Name: _____

Authorized Signature: _____

BID FORM

(Submit in Triplicate)

44th Avenue East Extension Project - from 45th Street East to I-75
Based on Completion Time of 900 Calendar Days

PAY ITEM NO.	FDOT ITEM NUMBER	DESCRIPTION	44th Ave. East Braden River Segment QTY.	44th Ave. East- 44th Ave. Plaza East to I-75 QTY	TOTAL PROJECT QTY.	UNITS	BID PRICE PER UNIT (\$)	TOTAL BID PRICE (\$)
439.		URW-2E 8" 45 Degree Bend	6.00		6.00	EA		
440.		URW-2F 8" Cap	2.00		2.00	EA		
441.		URW-2G 6" 45 Degree Bend	4.00		4.00	EA		
442.		URW-2H 6" Cap	2.00		2.00	EA		
		URW-3 Gate Valve						
443.		URW-3A 12" Gate Valve	1.00		1.00	EA		
444.		URW-3B 6" Gate Valve	1.00		1.00	EA		
445.		URW-4 Reclaimed Water Fire Hydrant Assembly	5.00		5.00	EA		
		URW-5 Reclaimed Water Services						
446.		URW-5A Single RW Service - Replace Service Line	4.00		4.00	EA		
447.		URW-5B Single RW Service - Replace Service Line & Meter Box	4.00		4.00	EA		
448.		URW-5C Double RW Service - Replace Service Line	4.00		4.00	EA		
449.		URW-5D Double RW Service - Replace Service Line & Meter Box	1.00		1.00	EA		
		RECLAIMED WATER REMOVE						
450.		URWR-1 Remove and Dispose of Existing Reclaimed Water Services	13.00		13.00	EA		
451.		URWR-2 Remove and Salvage Existing Reclaimed water FHA	1.00		1.00	EA		
SUBTOTAL (RECLAIMED WATER ONLY)								
CONTRACT CONTINGENCY WORK FOR RECLAIMED WATER (USED ONLY WITH COUNTY APPROVAL)							10%	
TOTAL BASE BID - Based on Completion Time of <u>900</u> Calendar Days								
CONTRACT CONTINGENCY WORK (USED ONLY WITH COUNTY APPROVAL)							10%	
TOTAL OFFER FOR BID with Contract Contingency - Based on Completion Time of <u>900</u> Calendar Days								

Bidder Name: _____

Authorized Signature: _____

**ATTENDANCE RECORD for IFBC 19-TA003162CD – 44th AVENUE EAST
EXTENSION PROJECT- FROM 45TH STREET EAST TO I-75
NON-MANDATORY INFORMATION CONFERENCE**

Location: Public Works Complex
1022 26th Avenue East- Conference Room"1-2"
Bradenton, FL

Date/Time: October 3, 2019 @ 9:00AM

Attendee Name	Company	Phone and Email Address
Chris Daley- CPPO CPPB Procurement Manager	Manatee County Procurement	941-749-3048 Chris.daley@mymanatee.org
MICHAEL BOWMAN	RANGER CONSTRUCTION	305-360-0314 MICHAEL.BOWMAN@RANGERCONSTRUCTION.COM 817 455 0814
Cody Crouch	Holland Pump	codyc@hollandpump.com 941-756-1871
Dennis Holt	Woodruff & Sons, Inc	dennis@woodruffandsons.com 941-756-1871
Rick Hoffman	Woodruff & Sons, Inc	rick@woodruffandsons.com 941-756-1871
Blair Johnson	Watson Civil	904-297-1800 estimating@watsoncivil.com
Chris Tolson	Prince Contracting	813-924-7407 ctolson@princecontracting.com 941-708-7450
Eric Shroyer	MCPW	eric.shroyer@mymanatee.org 352-787-1616
Bob Eison	LEWARE CONST. Co.	BEISON@LEWAREC.COM 941-355-8575
GATOR GRADER	FREDERICK DYER & Co, Inc	gator@frederickdyercompany.com 941-751-3900
Tom Lightcap	Gator Grading & Paving LLC	lightcap@gatorgap.com
Jacqueline Adams	GLF Construction Corp.	jadamse@glfusa.com
Denize Dizon	Preferred materials inc.	813-416-6308 denize.dizon@preferredmaterials.com
Mike Beukema	Westra Const. Corp	941-725-1100 Mike@westraconst.com

User: Daley, Chris

Organization: Manatee County - Purchasing Division

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Planholders List

Member Name Manatee County - Purchasing Division

Bid Number IFB-19-TA003162CD-0-2019/CD

Bid Name 44th AVENUE EAST EXTENSION PROJECT- FROM 45TH STREET EAST TO I-75

19 Document(s) found for this bid

48 Planholder(s) found.

Add Planholder

Supplier Name ▲	Phone	Fax	Doc Count	Attributes	Programs	Actions
Ajax Paving Industries of Florida, LLC	9414863600	9414863500	19			Documents
American Boring & Trenching Inc	2396939900	2396931667	6	1. Small Business		Documents
American Infrastructure Services	2392064411		8			Documents
Andrew Sitework	2392261606	2392261605	18			Documents
Anticus Engineering	8136423965	8136423965	2			Documents
AREHNA Engineering, Inc.	8139443464	8139444959	1	1. Small Business 2. Woman Owned		Documents
BlackRock Milling LLC	8132516455	8132511188	6			Documents
Bob's Barricades	9544232627	9544738737	14			Documents
C-Squared CGC, Inc.	9413453093	9417463703	15			Documents
C. Slagter Construction, Inc.	4073949415	6163509694	11	1. Small Business 2. Woman Owned		Documents
Castco construction, Inc.	7275854714	7275855091	4	1. Hispanic Owned 2. Small Business		Documents
Consolidated Pipe and Supply, Inc.	4072932001	4072936522	1			Documents
Crisdel Group Inc	8137342272	8133479762	2			Documents
Dodge Data	4133767032		19			Documents
Ferguson Enterprises	8502162951	8508779732	17			Documents
Fortiline - Julie Cline	7047889813	7047889896	19			Documents
Frederick Derr & Company, Inc.	9413558575	9413518854	11	1. Veteran Owned		Documents
Gator Grading & Paving LLC	9417513900	9417513949	19	1. Small Business		Documents
Gibbs & Register Inc	4076546133	4076546134	2			Documents
Gosalia Concrete Constructors, Inc.	8134430984		7			Documents
GT General Contractors LLC	9542253391		1			Documents
Hayes Pipe Supply, Inc.	8132414040	8132414041	8			Documents
Highway Safety Devices, Inc.	8137591559	8137570924	12			Documents
Hubbard	4076455500	4076233865	1			Documents
Hyatt Survey Services, Inc. (WBE)	9417484693	9417441643	10	1. Small Business 2. Woman Owned		Documents

Lanzo Construction Company	9549790802	9549799897	2			Documents
M J Construction Company Anchor Construction	7279386478	7279344665	2			Documents
McWane Ductile	2399896298	2399896298	18			Documents
Oldcastle Precast	9418093569	8662700338	9			Documents
PowerCore, Inc.	3212531402	1112223456	11	1. Small Business		Documents
Precision Contracting Services, Inc.	5617439737	5611111111	14	1. Woman Owned		Documents
Preferred Materials, Inc.	8136125740	8136648526	19			Documents
Prime Construction Group, Inc.	4078568180	4078568182	11			Documents
Prince Contracting, LLC	8136995900	8136995901	19			Documents
Ranger Construction	4076569255	4076563188	13			Documents
Russell Engineering, Inc.	9417570080	9417570085	19			Documents
Southeastern Surveying and Mapping Corporation	4072928580	4072920141	1			Documents
Spectrum Underground, Inc.	9413426708	9413426710	16			Documents
SUPERIOR ASPHALT, INC.	9417552850	9417275980	7			Documents
Terra Firma Environmental Inc	3527961039		7			Documents
Traffic Control Devices, Inc.	4078695300	4076820076	19			Documents
Traffic Control Products of Florida, Inc.	8136218484		17	1. Woman Owned		Documents
TURTLE SOUTHEAST LLC	7275180962		16			Documents
West Coast Winsupply	8136066778		10			Documents
Westra Construction Corp.	9417231611	9417298365	19			Documents
Woodruff & Sons, Inc.	9417561871	9417551379	19			Documents
Wright Construction Group, Inc.	2394815000	2394812448	5			Documents
Zep Construction, Inc.	2392678778	2392677907	2			Documents

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