

BID DOCUMENTS FOR

**MPS 321 BYPASS PIPING**

*COLLIER COUNTY, PROJECT # 70206*

*PROJECT MANAGER: LOURDES SANTIAGO/MICHAEL STEVENS*

*CONTRACT 14-6213*



COLLIER COUNTY, FLORIDA

PUBLIC UTILITIES DEPARTMENT

FEBRUARY 2019

**PROJECT SUMMARY:**

MPS 321 is located at Ascot Drive, close to Wildflower Way. The project includes the installation of two bypasses assemblies to enable the pump station to be bypassed of all flows for maintenance and upgrades. Contractor shall supply all labor, equipment, services, and materials, except for those pre- purchased by Collier County.

**WORK REQUESTED:**

The solicitation is for the installation of two bypasses assemblies which include restraint the four existing influent 12-inch force mains and the two existing effluent force mains. Maintenance of flow including pumper trucks as required to maintain all wastewater flows during work.

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Request for Quotes
Fact Sheet
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Supplemental Project Conditions
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Drawings

**Date:** February 1, 2019  
**From:** Lourdes Santiago, Project Manager  
 239-227-4125, Cellular Number



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[Michael.Stevens@colliercountyfl.gov](mailto:Michael.Stevens@colliercountyfl.gov)

**To:** Potential Quoters

<b>REQUEST FOR QUOTATIONS FOR MULTIPLE PROJECTS UNDER CONTRACT</b>	
<b>14-6213 "Underground Utility Contractors"</b>	
<b>Selected Vendors:</b>	
<b>Mitchell &amp; Stark Construction Co., Inc.</b>	<b>Kyle Construction, Inc.</b>
<b>Douglas N. Higgins Inc.</b>	<b>Haskins, Inc.</b>
<b>Quality Enterprises USA, Inc.</b>	<b>Southwest Utility Systems, Inc.</b>

As provided in the referenced contract, the County Division is soliciting quotes for the referenced project.

<b>Project</b>	
<b>RFQ 14-6213</b>	
<b>MPS 321 Bypass Piping</b>	
RFQ Due Date:	<b>Friday, February 22, 2019 at 3:00 PM</b>
Pre-Quote Meeting:	<b>No Pre-Quote Meeting for this Solicitation</b>
Q&A Deadline:	<b>Monday, February 18, 2019 at 3:00 PM</b>
Number of Days to Final Completion:	<b>90 days to substantial + 30 days final = 120 days total</b>
Scope Provided	<b>Yes</b>
Plans and Specs:	<b>Yes</b>
Liquidated Damages:	<b>\$1,260.00 per day</b>
Payment & Performance Bonds	<b>If over \$200,000.00</b>

Your quotation response for this project is due electronically to the Email address listed above no later than the date and time specified above. We will not accept any quotation responses later than the noted time and date. If your firm is unable to respond electronically, your quotation must be received in the office of the Public Utilities Engineering & Project Management at the below referenced address no later than the time and date specified. We look forward to your participation in this request for information/quotation process.

\_\_\_\_\_  
 Firm's Complete Legal Name

\_\_\_\_\_  
 Telephone Number / Fax Number

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 Print Name

\_\_\_\_\_  
 Date

## **FACT SHEET**

**Project Name:** MPS 321 Bypass Pumping  
**Project Manager Name:** Lourdes Santiago/Michael Stevens  
**Project Manager Department:** EPMD

**Contract #:** 14-6213  
**Contract Title:** Fixed Term Underground Utilities

**Project Number(s):** 70206

### **General Information**

The attached exhibit and specifications, in conjunction with Collier County's Utility Standards, are intended to provide the information by which prospective contractors may understand the requirements of Collier County relative to installing piping, valves, fittings, appurtenances and other items associated with the named project.

### **Project Description**

This project consists of the installation of:

- Installation of two (2) bypass assemblies to enable the pump station to be bypassed of all flows for maintenance and upgrades purposes.

### **Scope of Work**

- Pre-Con photos/video
- Verify if the four (4) existing influent 12-inch force mains and the two (2) effluent force mains are currently restrained
- Installation of restraints in the case that the pipe is not restrained
- Maintenance of flow
- Dewatering
- Installation of pipe, valves assemblies, and site work
- Maintenance of traffic
- Site restoration (sod, irrigation, access drives, etc.)



## **Pricing**

- The contractor shall provide a single proposal based on the attached bid schedule.
- There is a line item for “Allowance” on the bid sheet. This is for Owner directed work and there is no guarantee that the contractor will receive any portion of these additional funds.

## **Liquidated Damages**

Should Contractor fail to complete the Work by the Final Completion date, liquidated damages shall be **\$1,260.00** for each calendar day thereafter until Final Completion is achieved. See table below for calculation summary.

Master Pump Station 321 Bypass Piping

**BID SCHEDULE**

<b>RFQ 14-6213 Collier County EPMD PROJECT No.: 70206</b>					
<b>MPS 321.00 Bypass Piping</b>					
Item No.	QTY	Unit	Item Description	Unit Price	Bid Total
1	1	LS	MOBILIZATION/DEMobilIZATION		
2	1	LS	MAINTAIN/PROVIDE AS-BUILT PLANS		
3	1	LS	PROVIDE CONSTRUCTION SURVEYING AND LAYOUT		
4	1	LS	MAINTENANCE OF TRAFFIC		
5	1	LS	MAINTENANCE OF FLOW		
6	1	LS	BYPASS ASSEMBLIES		
7	1	LS	SITE FENCING		
8	1	LS	ACCESS DRIVE		
9	36	EA	VERIFY PIPE RESTRAINTS		
10	36	EA	INSTALL PIPE RESTRAINTS		
11	100	SY	SOD RESTORATION		
12	1	LS	DEWATERING		
13	1	TBD	Owner-Directed Work: Compensation for unforeseen conditions will be made at the appropriate contract price based on a lump sum, unit price, or time and materials basis depending upon the nature of the work.	\$ 31,400.00	\$ 31,400.00
<b>CONTRACTOR TOTAL BID</b>					

Notes:

1. All utility work shall conform to Collier County standards.
2. The County retains the right to award all or any portion of the above
3. All excavation shall be unclassified with no additional payment to be made for rock, muck or other materials. Contractor will be responsible for all replacement fill material.
4. Pre-Construction Video recording in accordance with the County Specification (022200) shall be completed.
5. The Contractor shall designate a representative, such as their Superintendent who will be on-site during all work to assist the County in responding to customer questions or needs.
6. The Contractor is responsible for preparation of a safety program/risk management program. This document should not only address daily activities but also required actions for tropical storms and hurricanes.
7. All quotes to be per the Utility Underground Contract, details, standards, specifications and all documentation provided within the Bid Package.

## Master Pump Station 321 Bypass Piping

### SUPPLEMENTAL PROJECT CONDITIONS

#### Maintenance of Flow Plan

Contractor shall be responsible for preventing overflows and/or spills at MPS 321.00, as well as the upstream wastewater collection system during shut downs. **Figure SC-1** illustrates the wastewater system served by MPS 321.00. Four separate incoming force mains will require individual shut downs. Furthermore, connections to the active 12-inch force main conveying flows from MPS 321.00 will also be required. Contractor shall provide all equipment, labor, materials, and services (including pumper trucks), as required to maintain all wastewater flows during work. **Table SC-1** lists the contributing pump stations for each incoming force main. All shut downs shall be performed between the hours 11:00 PM to 5:00 AM. The Contractor is limited to performing at most two shutdowns per night. **Table SC-2** lists the estimated volume of wastewater that the Contractor shall maintain during each force main shutdown.

**Table SC- 1** Contributing Pump Stations Per Force Main

FORCE MAIN #1	FORCE MAIN #2	FORCE MAIN #3	FORCE MAIN #4
200.01	321.05	321.02	321.13
321.20	321.06	321.03	321.14
321.23	321.07	321.04	321.21
321.24	321.08	321.09	321.22
321.26	321.11	321.10	321.27
321.30	321.12	321.15	321.28
321.31		321.16	
		321.18	
		321.19	

**Table SC- 2** Estimated Volume At 6 Hour Duration

	Estimated Volume to be maintained during shutdown (gal)
FORCE MAIN #1	36,294
FORCE MAIN #2	54,605
FORCE MAIN #3	34,354
FORCE MAIN #4	34,552

Contractor shall provide a maintenance of flow plan within 10 ten (10) days of issuance of Notice to Proceed. After the plan has been reviewed by the County, Contractor shall attend a Maintenance of Flow Plan Workshop to confirm all details and coordinate sequence of the Work. The Maintenance of Flow plan shall include, at a minimum, the quantity and location of trucks anticipated to be required, as well as pumping and discharge locations. However, Collier County will ultimately determine the number of pumper trucks required and pumping and discharge locations. Additionally, if bypass pumps are an anticipated component of the Contractor’s maintenance of flow plan then it shall also include the quantity, capacity, and location of bypass pumps anticipated. Acceptance of Maintenance of Flow plan is contingent on OWNER acceptance.

SECTION 012000  
MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.1 EXPLANATION AND DEFINITIONS

- A. The following explanation of the Measurement and Payment for the bid form items is made for information and guidance. The omission of reference to any item in this description shall not, however, alter the intent of the bid form, project intention, or relieve the CONTRACTOR of the necessity of furnishing such as a part of the completed Contract work.

1.2 MEASUREMENT

- A. The quantities set forth in the bid form are approximate and are given to establish a uniform basis for the comparison of bids. The COUNTY reserves the right to increase or decrease the quantity of any class or portion of the work during the progress of construction in accord with the terms of the Contract.

1.3 PAYMENT

- A. Payment shall be made for the items listed on the Bid Form on the basis of the work actually performed, and completed. Such work includes but is not limited to, the furnishing of all necessary labor, materials, equipment, transportation, clean up, restoration of disturbed areas, and all other appurtenances to complete the construction and installation of the work as shown on the drawings, and/or as described in the specifications.
- B. Unit prices are used as a means of computing the final figures for bid and Contract purposes, for periodic payments for work performed, for determining value of additions or deletions and wherever else reasonable.
- C. Engineers recommendation for payment will not be issued until redline drawings are provided.

PART 2 – PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 GENERAL

- A. Measurement and Payment shall be made on the basis of work actually performed completing each item in the Bid, such work including, but not limited to, the furnishing of all necessary labor, materials, equipment, transportation, cleanup, and all other appurtenances to complete the construction and installation of the work to the configuration and extent as shown on the drawings and described in the specifications. Payment for each item includes compensation for project layout, cleanup and restorations. Cleanup and surface restorations (including pavement replacement) will be considered as ten percent (10%) of each pay item and complete payment will not be made until cleanup, restorations and as-builts are completed.

3.2 PAY ITEMS

- A. MPS 321.00 Temporary Bypass: Payment for furnishing and installing the WORK, as shown on the plans and specified herein, will be made as follows:
  - 1. Mobilization/Demobilization (Bid Item No. 1): Payment for mobilization and demobilization shall be made at the contract lump sum price, not to exceed 5% of the Contract. This price shall be full compensation for all costs incurred for preparatory work and operations including, but not limited to those necessary for the movement of personnel, equipment and supplies to and from the project site; one (1) Construction Sign; daily cleanup and incidentals to the project site; facilities necessary for work on the project; fees for bonds and insurance; and all other work and



operations including submittals and obtaining construction permits, which must be performed prior to beginning work on the various items. Payment for mobilization will be payable in the first partial payment at 75% of the contract lump sum price for mobilization and the balance payable in the final project close-out payment. Price shall also include the preparation and submission, to the satisfaction of the COUNTY, complete as-built drawings.

2. Maintain/Provide As-Built Plans (Bid Item No. 2): Payment for this Work shall be made at the contract lump sum price for maintaining and providing as-builts as described elsewhere in the Contract Documents and as follows. This item includes providing and maintaining a set of redline mark-ups on the bid plans, in the field, at all times for recording the horizontal and vertical location of work completed along with a description of any changes or deviations to the plans. As-builts will be spot checked periodically throughout the project's duration to ensure they are being updated daily. An up-to-date set of as-builts shall be provided with each application for payment. No applications for payment will be considered for review without up-to-date as-builts
3. Provide Construction Surveying and Layout (Bid Item No. 3): This item includes furnishing all labor, equipment, materials, and services to locate and mark the existing right-of-way along Ascot Drive, as well as any easements within the project work limits. All location markers shall be maintained by the Contractor through the duration of the project. Failure to maintain these markers may or may not result in the ENGINEER being unable to make a recommendation for payment of any completed Work.
4. Maintenance of Traffic (Bid Item No. 4): Payment for this Work shall be made at the contract lump sum price for providing maintenance of traffic (MOT) as required by the Contract Documents. This item includes furnishing all labor, equipment, materials, and services for the development of and MOT plan and as necessary to provide maintenance of traffic (MOT) plan in accordance with FDOT Index 600, as required by Collier County GMD.
5. Maintenance of Flow (Bid Item No. 5): Payment for this Work shall be made at the contract lump sum price for providing maintenance of flow as required by the Contract Documents. CONTRACTOR shall coordinate with OWNER to confirm service area affected by the work, and determine the number of shut downs and pumper trucks required to complete the work. The work includes, but is not limited to, providing all equipment, labor, material, and services as required to maintain wastewater flows at all times during execution of the work. Additional information is provided in Supplemental Conditions.
6. Bypass Assemblies (Bid Item No. 6): This item includes all the necessary labor, equipment, materials (other than those furnished by Collier County), poly-wrapping, pipe bedding material, initial backfill material, backfill material, rock removal, services, formwork, concrete, pipe appurtenances, pressure testing, and all work necessary for the construction, testing and commissioning (in trouble-free operation) the bypass assemblies shown on the plans, as acceptable by the OWNER and ENGINEER. Work shall include but not be limited to providing all necessary tools, labor, equipment, material testing, and materials for demolition, cleanup, removal and disposal (or transport, as directed, to Collier County inventory) of designated items shown on the drawings. Also included shall be the cost of any hauling and/or disposal fees, as well as, all backfill material and compaction as required for the existing grade conditions to meet the proposed grade conditions including required ground cover shown in the Contract Documents.
7. Site Fencing (Bid Item No. 7): Payment for this Work shall be made at the contract lump sum price for providing all the necessary labor, equipment, materials for installation of new site fencing for area shown on the on the Contract Documents.
8. Access Drive (Bid Item No.8): Payment for this Work shall be made at the contract lump

sum price for providing all the necessary labor, equipment, materials for installation of a new access drive with stone ground cover and filter fabric, consisting of elliptical reinforced concrete culvert pipe, formwork, concrete, mitered end sections, rip-rap, stone and filter fabric as shown on the Contract Documents or described herein.

9. Verify Pipe Restraints (Bid Item No. 9): Payment will be made at the Contract unit price for verifying the existing force main is fully restrained for the required lengths shown on the plans. This item includes furnishing all equipment, labor, materials, initial backfill material, backfill material, and rock removal as required for verification of bell restraints on the existing 12-inch force mains. The OWNER's representative must be present to observe this work.
10. Install Pipe Restraints (Bid Item No. 10): Payment will be made at the Contract unit price for each restraint acceptably installed. This item includes furnishing all equipment, labor, materials (other than those furnished by Collier County, see Appendix B), poly-wrapping, pipe bedding material, initial backfill material, backfill material, and rock removal as required for a complete installation of bell restraints on the existing 12-inch force mains, as shown on the Contract Documents. The OWNER's representative must be present to observe this work.
11. Sod Restoration (Bid Item No. 11): Payment for this Work shall be made at the Contract unit price for sod placed. This item includes furnishing all equipment, labor, and material to place sod and watering until it has established roots to the underlying soil. The item also includes all fertilization, pest control, and mowing until the work has been accepted and turned over to Collier County. Contractor shall provide all water at no additional cost to the County.
12. Dewatering (Bid Item No. 12): Payment for this work will be made at the contract unit price for furnishing and installing all equipment, labor, material, monitoring and services, and for procuring all necessary permits and appurtenances required to dewater all excavations during execution of the work. This work shall also include payment of all fees associated with the dewatering permit and NPDES permitting. CONTRACTOR shall satisfy all permit conditions and requirements including, but not limited to, closing out all permits and providing proof of permit close out to the OWNER and ENGINEER. It is anticipated that a SFWMD dewatering and NPDES generic permit will be required at a minimum.
13. Owner Directed Allowance (Bid Item No. 13): Include within bid an allowance for unforeseen conditions. This allowance shall be owner directed for unforeseen conditions, as directed by the COUNTY.

END OF SECTION

Master Pump Station 321 Bypass Piping

**OWNER PROVIDED MATERIAL**

Description	Quantity	Unit
<b>BELOW GROUND DISCHARGE PIPING</b>		
12 MJ C153 P-401 LONG SLV L/A	2	EA
12 C900 DR18 PVC GJ GREE PIPE	20	FT
3X1000 DET TAPE - FORCE MAIN GREE	1	EA
OMNI MRKR GREE F/ SANITARY	8	EA
12 MJ C153 P-401 45 BEND L/A	4	EA
12 MJ C153 P-401 90 BEND L/A	4	EA
12 PVC WDG REST GLND *ONELOK	12	EA
12 DI MJ WDG REST GLND *ONELOK	4	EA
12 MJ C153 BLT GSKT PK L/ GLAND	16	EA
12 SIGMA FOSTER ADPT W/ MJ ACC KIT	4	EA
SUBTOTAL		
<b>ABOVE GROUND DISCHARGE PIPING</b>		
12X8'0 FLGXPE EPOX DI SPL	4	EA
12 DI 125# FLG P-401 90 BEND	2	EA
12 DI 125# FLG P-401 TEE	3	EA
12X11'0 FLGXFLG EPOX DI SPL	2	EA
12 DI 125# FLG P-401 CRS	1	EA
12 PEF FLG PV E/L GSHW 316 SS HDWR	6	EA
12X1 DI FILL FLG	2	EA
12X6 P-401 DI C110 THRD COMP FLG	1	EA
6 SS QCK COUP B	1	EA
6 SS DUST PLUG	1	EA
12 316 SS 150# RR FF 1/8 FLG PKG	22	EA
SS PIPE SUPP F/ 12 PIPE	7	EA
12X2 316 SS TAP BLND FLG	2	EA
2X3 S40 316L WLD NIP TBE	6	EA
2 SS 1000# THRD 2PC FP BV LL	2	EA
2 SS 316 150# THRD TEE	2	EA
2X1 SS 316 150# THRD BUSH	2	EA
1X3 S40 316L WLD NIP TBE	4	EA
1 SS 1000# THRD 2PC FP BV LL	2	EA
1 SS 316 150# THRD 90 ELL	2	EA
1X1/4 SS 316 150# THRD BUSH	2	EA
*NP 2-1/2 SS / BR LIQ FILL GA 0-100	2	EA
2 FIP 316 SS AIR VAC VLV 986 *Z	2	EA
CONE CHK VLV ASSY F/ 986 ARV *Z	2	EA

SUBTOTAL		
<b>BELOW GROUND INLET PIPING</b>		
12 MJ C153 P-401 LONG SLV L/A	4	EA
12 C900 DR18 PVC GJ GREE PIPE	20	FT
12 MJ C153 P-401 TEE L/A	4	EA
12 PVC WDG REST GLND *ONELOK	16	EA
12 DI MJ WDG REST GLND *ONELOK	4	EA
12 MJ C153 BLT GSKT PK L/ GLAND	20	EA
12 SIGMA FOSTER ADPT W/ MJ ACC KIT	4	EA
OMNI MRKR GREE F/ SANITARY	4	EA
12 100% P PEF MJ PV EL GBNT 316SS H	4	EA
2PC SC CI VLV BX 19-22 SWR	4	EA
3 BRS PLUG VLV ID - 12	4	EA
SUBTOTAL		
<b>ABOVE GROUND INLET PIPING</b>		
12X8'0 FLGXPE EPOX DI SPL	4	EA
12 PEF FLG PV E/L GSHW 316 SS HDWR	5	EA
12 DI 125# FLG P-401 90 BEND	5	EA
12 DI 125# FLG P-401 TEE	2	EA
12X10'0 FLGXFLG EPOX DI SPL	1	EA
12"X9'7-1/2" FXF P-401		
12X8'0 FLGXFLG EPOX DI SPL	1	EA
12"X7'-1-1/2" FXF P-401		
12X5'0 FLGXFLG EPOX DI SPL	1	EA
12"X4'-8" FXF P-401		
12X3'0 FLGXFLG EPOX DI SPL	1	EA
12"X2'-1" FXF P-401		
12X3'0 FLGXFLG EPOX DI SPL	3	EA
SS PIPE SUPP F/ 12 PIPE	8	EA
12 316 SS 150# RR FF 1/8 FLG PKG	24	EA
12X6 P-401 DI C110 THRD COMP FLG	1	EA
6 SS QCK COUP B	1	EA
6 SS DUST PLUG	1	EA
12 DI 125# FLG P-401 TEE W/2" TAP	1	EA
2X3 S40 316L WLD NIP TBE	2	EA
2 SS 1000# THRD 2PC FP BV LL	1	EA
2 SS 316 150# THRD TEE	1	EA
2X1 SS 316 150# THRD BUSH	1	EA
1X3 S40 316L WLD NIP TBE	2	EA

1 SS 1000# THRD 2PC FP BV LL	1	EA
1 SS 316 150# THRD 90 ELL	1	EA
1X1/4 SS 316 150# THRD BUSH	1	EA
*NP 2-1/2 SS / BR LIQ FILL GA 0-100	1	EA
2 FIP 316 SS AIR VAC VLV 986 *Z	1	EA
CONE CHK VLV ASSY F/ 986 ARV *Z	1	EA
SUBTOTAL		
<b>BI-10</b>		
12 SIGMA BELL REST F/ C900 *PVLOK	36	EA
SUBTOTAL		