

ADDENDUM NO. 1
(September 6, 2017)

**PROJECT MANUAL & CONTRACT DOCUMENTS
DEP SRF SPECIALIZED FIELD STUDIES 2017
CITY OF GREEN COVE SPRINGS, FLORIDA
MITTAUER & ASSOCIATES, INC. PROJECT NO. 8905-34-2**

SPECIFICATIONS:

SECTION 00111 - ADVERTISEMENT FOR BIDS:

Due to Hurricane Irma, the bid opening has been moved to **September 19, 2017**
at 10:00 a.m.

SECTION 00410 - BID FORM:

Remove and replace the Bid Form with the attached.

SECTION 02753 - SANITARY MANHOLE EVALUATION:

Remove and replace this section with the attached.

DRAWINGS:

None.

END OF ADDENDUM NO. 1

SECTION 00410

BID FORM

DEP SRF SPECIALIZED FIELD STUDIES 2017

SRF LOAN AGREEMENT NO. WW100201

CITY OF GREEN COVE SPRINGS, FLORIDA

SUBMITTED BY: _____ **DATE:** _____

_____ **TELE:** _____

_____ **FAX:** _____

EMAIL ADDRESS: _____

CONTRACTOR'S LICENSE NO.: _____

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ARTICLE 1 - BID RECIPIENT

1.01 This Bid is submitted to:

City of Green Cove Springs
321 Walnut Street
Green Cove Springs, Florida 32043

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder’s safety precautions and programs.

E. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data

are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.

- F. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- G. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- H. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- I. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - 2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 - 4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Item No.	Description	Estimated Quantity	Unit	Unit Price	Bid Price
1.	Mobilization & General Conditions	1	LS	\$	\$
2.	Sewer Line Cleaning				
a.	6-inch (all pipe types)	5,000	LF	\$	\$
b.	8-inch (all pipe types)	152,000	LF	\$	\$
c.	10-inch (all pipe types)	13,500	LF	\$	\$
d.	12-inch (all pipe types)	2,000	LF	\$	\$
e.	15-inch (all pipe types)	1,700	LF	\$	\$
f.	18-inch (all pipe types)	2,500	LF	\$	\$
3.	Sewer Line Televising				
a.	6-inch (all pipe types)	5,000	LF	\$	\$
b.	8-inch (all pipe types)	152,000	LF	\$	\$
c.	10-inch (all pipe types)	13,500	LF	\$	\$
d.	12-inch (all pipe types)	2,000	LF	\$	\$
e.	15-inch (all pipe types)	1,700	LF	\$	\$
f.	18-inch (all pipe types)	2,500	LF	\$	\$
4.	Smoke Testing				
a.	6-inch (all pipe types)	5,000	LF	\$	\$
b.	8-inch (all pipe types)	152,000	LF	\$	\$
c.	10-inch (all pipe types)	13,500	LF	\$	\$
d.	12-inch (all pipe types)	2,000	LF	\$	\$
e.	15-inch (all pipe types)	1,700	LF	\$	\$
f.	18-inch (all pipe types)	2,500	LF	\$	\$
5.	Mechanical Root Removal or Tuberculation				
a.	6-inch (all pipe types)	500	LF	\$	\$
b.	8-inch (all pipe types)	2,500	LF	\$	\$
c.	10-inch (all pipe types)	500	LF	\$	\$
d.	12-inch (all pipe types)	500	LF	\$	\$
e.	15-inch (all pipe types)	500	LF	\$	\$
f.	18-inch (all pipe types)	500	LF	\$	\$
6.	Chemical Root Treatment				
a.	6-inch (all pipe types)	500	LF	\$	\$
b.	8-inch (all pipe types)	2,500	LF	\$	\$
c.	10-inch (all pipe types)	500	LF	\$	\$

Modified per Mittauer & Associates, Inc.

EJCDC® C-410, Bid Form for Construction Contracts.

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Item No.	Description	Estimated Quantity	Unit	Unit Price	Bid Price
d.	12-inch (all pipe types)	500	LF	\$	\$
e.	15-inch (all pipe types)	500	LF	\$	\$
f.	18-inch (all pipe types)	500	LF	\$	\$
7.	Sanitary Manhole Evaluation	600	EA	\$	\$
8.	Lift Station Wetwell Evaluation	8	EA	\$	\$
TOTAL BID AMOUNT					\$
ADDITIVE ALTERNATE NO. 1					
1.	Flow Monitoring				
a.	Number of Flowmeters Installed	6	EA	\$	\$
b.	Weeks in Service Beyond Initial 4 Weeks	208	# x weeks	\$	\$
TOTAL ADDITIVE ALTERNATE NO. 1 AMOUNT					\$

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following document is submitted with and made a condition of this Bid:
- A. Required Bid security;

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 - BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By:

[Signature] _____

[Printed name] _____

(Title) _____

(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:

[Signature] _____

[Printed name] _____

[Title] _____

Bidder's Business License No.: _____

(where applicable)

Affix corporate seal, if applicable.

END OF SECTION

SECTION 02753

SANITARY MANHOLE EVALUATION

PART 1 - GENERAL

1.01 SCOPE OF WORK: The evaluation will consist of visual manhole inspections. The results of the evaluation will be documented in electronic and printed documents in accordance with the National Association of Sewer Service Companies (NASSCO) Pipeline Assessment and Certification Program/Manhole Assessment and Certification Program (PACP®/MACP®) Reporting Format and Coding Standards.

1.02 SUBMITTALS:

- A. A Modified MACP form and tables shall be completed, and all data must be entered into a MACP-compliant database format in accordance with the Manhole Inspection Form provided at the end of this Section. Additional information may be provided, but the form represented the minimum requirements.
- B. A modified MACP database shall be completed and all data must be entered into a MACP-compliant database format based on the inspections of all pipes entering or exiting manholes that are being inspected in accordance with the Manhole Inspection Form.
- C. Perform camera and video inspections in both the upstream and downstream directions of each sewer segment or in one direction when the opposing structure is clearly visible. Digital photographs and/or video of defects and inspection information shall be supplied to the Engineer in digital database format per the specifications described herein.
- D. Inspection and coding of pipeline and manhole conditions, determined based on inspections, shall be performed in accordance with NASSCO PACP/MACP.
- E. Submit a Detailed Work Plan and Schedule to the Engineer which includes schedule of activities and specific working hour time frame.
- F. Submit a Traffic Control Plan to the Engineer, which includes the following items:
 - 1. Outline of permit acquisition procedure for lane closures.
 - 2. Methods for proper signing and barricades which comply with local requirements and the Owner.
 - 3. Site Contractor emergency phone numbers.

- G. Confined space entry plan, certifications, and hazardous atmosphere training certifications for all staff engaged in activities within or near the open structures, if applicable.
- H. The work described in this Scope of Work, including any internal sewer or manhole inspections, shall meet the minimum requirements as presented in the OSHA Standard, Title 29 CFR 1910.146, Permit Required Confined Spaces. Contractor shall demonstrate compliance with these requirements.
- I. Final inspection reports, digital photographs, video clips, and data shall be submitted in accordance with the requirements herein.

1.03 MANHOLE EVALUATION REPORT: The Contractor shall prepare a report summarizing the findings, per NASSCO MACP Coding Standards, of the manhole evaluation and shall submit two (2) hard copies and one (1) electronic copy each to Owner and Engineer. Report shall include the information outlined within the sample 'Manhole Inspection Form' enclosed herein.

PART 2 - PRODUCTS

2.01 CAMERA EQUIPMENT:

- A. Above-ground photographs for Modified Level 1 manhole inspections shall be performed using a digital camera.
- B. The manhole intervals shall be reviewed with video camera, and each manhole report shall include a 10-15 second clip of the interior manhole condition.
- C. Digital clips of the video report and/or digital camera pictures shall be taken of any damaged, corroded, and/or disturbed areas within the manhole.

PART 3 - EXECUTION

3.01 PREPARATION:

- A. Contractor shall insert a measuring rod into the interior of the manhole to verify rim to invert distance measurements of the manhole as well as the invert of each adjoining pipe.
- B. Contractor shall obtain GPS State of Florida state plane coordinate at center of manhole.
- C. Contractor is solely responsible for all damages resulting from operations.

3.02 MODIFIED LEVEL 1 MANHOLE INSPECTION PROCEDURES:

- A. Manhole inspections must meet all requirements of a Modified NASSCO MACP Level 1 inspection, as modified herein. The Owner-provided Manhole Inspection Form and all of its fields must also be completed to meet the requirements of an inspection.
- B. Contractor shall take video of the manhole surface along the manhole interior from ring to bottom. Additional camera shots may supplement the video work.
- C. Camera shots shall be taken for the following:
 - 1. One close-up photograph of the manhole frame and cover to show overall condition. Photograph shall be taken of any indications of previous overflows such as water marks, paper, or other debris typical of sewer overflows.
- D. Video and/or photograph all significant defects and features of the manhole interior.

3.03 CLOSEOUT ACTIVITIES:

- A. Once the inspection is complete, the field crew shall make certain that the frame is clean and does not have any debris preventing a proper cover fit. The manhole lid shall be replaced and any displaced items moved back into place.
- B. Contractor shall submit, in electronic format, photos, inspection reports, and databases to Engineer in accordance with the contract/agreement including these Specifications.
- C. If digital photos are of such poor quality that Engineer is unable to evaluate the condition of the manhole or locate the sewer connections, Contractor shall be required to re-inspect the manhole and provide new digital videos of good quality at no additional cost to Owner.

3.04 MANHOLE AND PIPE INSPECTION REPORTS AND DIGITAL DATA DELIVERY:

- A. Digital data, video, and photos shall be delivered to the Engineer on an external hard drive, DVD, or thumb drive ('Hard Drive') which will become property of the Owner.
- B. If digital photos or video are of such poor quality that Engineer is unable to evaluate the condition of the manholes and pipes, Contractor shall be required to re-inspect, take new photos or video, and provide new digital photos or video of good quality at no additional cost to Owner.

- C. All digital photos and video will become property of the Owner.
- D. Manhole Inspection Forms shall include the manhole identification number, depths, construction material, total survey length, and a photo of all incoming and outgoing pipe diameters and depths. The Contractor shall complete the manhole plan view noting all connecting pipes. Any special observations or notes may be added to the field form. Influent and effluent lines in each manhole shall be compared to the existing map and corrections noted in the field form. Each inspection report shall be provided in PDF format to the Owner.

3.05 DATA DELIVERY REQUIREMENTS:

- A. All data submittals shall include a data transmittal form indicating the manholes inspected and date. The data transmittal form shall be provided electronically on the hard drive submittal and in hard copy attached to the hard drive upon delivery to the Engineer.
- B. Contractor shall provide inspection data on a weekly basis with the database and data on an external hard drive. The Contractor shall provide two hard drives on an alternating weekly basis. The submittals shall be cumulative (i.e., each successive database delivery will include previous deliveries as well). Contractor shall provide Owner with a final external hard drive capable of storing all anticipated data for the project upon completion. The final hard drive shall be submitted on the first weekly submittal with the first week of data loaded and will become property of the Owner upon project completion. Data to be submitted shall include: 1) Modified NASSCO MACP/PACP Database files; 2) JPEG (.jpg) files (still photos and video files); 3) PDF of each Manhole Inspection Form; and 4) exhibits and diagrams demonstrating configuration and connectivity of the pipe system as determined during the inspections.
- C. Each database submittal shall indicate the range of dates for which the database is being submitted as well as a list of new items as of the last submittal referenced by asset ID so that the Owner may separate out and review the newly delivered records from previous submittals in an Excel format.
- D. The databases shall be cumulative, with one database each for Modified MACP Level 1 Inspection. Each subsequent submittal shall be added into these databases. Throughout the duration of the project, should Engineer discover inaccuracies in any of the data, Contractor shall re-inspect those manholes and/or pipes at no additional cost to the Engineer or Owner.

- E. A final, compiled version of the inspection databases must be delivered at the end of the project to the Owner through the Engineer. The final databases must include all inspection records previously delivered in the individual inspections as well as incorporate all requested changes by the Engineer and Owner.

END OF SECTION

Manhole Inspection Form

Node ID:	Type:	City:	Address:
Coordinates from GIS:	Latitude:	Longitude:	
Coordinates from GPS:	Latitude:	Longitude:	Altitude:
Depth:	Manhole type:	Cone material:	
Cover diameter:	Surface cover:	Wall material:	Channel material: Base material:
Barrel diameter: Dist.	Cover type:	Bench material:	Steps material:
to hydrant: Year laid:	Ring material:	Frame type:	<input type="checkbox"/> Metered <input type="checkbox"/> Drop manhole
Start date/time:	Reason:	Weather:	Work order no.:
Comments:	Project name:	Operator:	

Reference point of node observation clock position is outflow pipe at 6 o'clock.

Observations

Depth	Length	Component	Code	Modifier/Severity	From/To	Rating	Comments

- NOTE:**
- 1) Each Report shall include a 10-15 second video of the inspected manhole.
 - 2) Include at least 3 photos of the manhole on the following page.

Photos

