



CITY OF TAMPA

Pam Iorio, Mayor

CONTRACT ADMINISTRATION DEPARTMENT

David L. Vaughn, AIA, Director

ADDENDUM NO. 2 DATE: September 24, 2010

Contract 11-C-00001; Wastewater Sewer Rehabilitation by Cured-in-Place Pipe (C.I.P.P.)

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Item 1: Replace Contract Item 102 - MAINTENANCE OF TRAFFIC with the following:

The Contractor shall furnish all materials, equipment, and labor to establish and maintain all traffic maintenance devices and personnel as shown on the Plans, specified, and directed by the Engineer.

The work includes installation of all signs, barricades, cones, and light towers; and the utilization of flagmen, and all appurtenant work complete in place as necessary to control traffic and provide for safety to the public, all in compliance with the Manual on Uniform Traffic Control Devices, "MUTCD", with subsequent revisions and additions, and to the satisfaction of the Engineer.

Flagmen must be FDOT trained personnel and utilized throughout the entire duration of the approved traffic control operation. The use of flagmen must be approved in advance by the City as well as the agency with jurisdiction over the road. Intermittent use of flagmen for incidental work such as temporary access over a manhole or work vehicles entering the work zone shall be considered incidental and no separate payment will be made. Payment for a flagman will be made at the appropriate contract item per day price. Light towers shall include all fuel and all appurtenant items to fully operate, at the appropriate contract item per day price.

Payment for Maintenance of Traffic will be made at the appropriate Contract Item per Day Price. A day will be considered as a 24-hour period and fractional payments will be made if applicable. For example, 12 hour use of a light tower will result in only ½ payment of the contract item price. Any Items not listed as a separate contract item are considered an incidental part of the contract and shall be included in the cost of the cured-in-place pipe with no additional payment to be made.

Item 2: Replace Proposal page P-3 with the attached Proposal page P-3R.

Item 3: Add the attached Section SP-1.30 – SAFETY to the Specific Provisions.

Item 4: Clarification: The attached FY10 Work Order history is provided in response to RFIs and is for informational purposes only, as it might not be indicative of the Work Orders to be issued under Contract 11-C-00001

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to ContractAdministration@tampagov.net.

Jim Greiner

Jim Greiner, P.E., Contract Manager

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Item No.	Description	Unit	Approx. Quantity	Unit Price in Words	Unit Price	Total Computed Price
100	Contingency	LS	1	Fifty Thousand Dollars and No/Cents	\$ 50,000.00	\$ 50,000.00
101.01	Mobilization for Work Order total less than \$15,000	EA	5		\$	\$
101.02	Mobilization for MH Rehab. (if less than 3 manholes)	EA	3		\$	\$
101.03	Emergency Mobilization	EA	3		\$	\$
102-60	Work Zone Signs	E.D.	200		\$	\$
102-74-1	Barricades Type I or II	E.D.	500		\$	\$
102-74-2	Cones	E.D.	2,000		\$	\$
102-75-1	Light Tower	E.D.	50		\$	\$
102-75-2	Flagman	E.D.	50		\$	\$
102-76	Arrow Board	E.D.	50		\$	\$
102-77	Variable Message Board	E.D.	10		\$	\$
0408.2360	Cured in Place Pipe for 8" Dia. Gravity Sewer (.236 inch thick)	LF	1,500		\$	\$
0410.2950	Cured in Place Pipe for 10" Dia. Gravity Sewer (.295 inch thick)	LF	1,500		\$	\$
0412.2950	Cured in Place Pipe for 12" Dia. Gravity Sewer (.295 inch thick)	LF	1,500		\$	\$
0415.2950	Cured in Place Pipe for 15" Dia. Gravity Sewer (.295 inch thick)	LF	1,500		\$	\$
0418.3540	Cured in Place Pipe for 18" Dia. Gravity Sewer (.354 inch thick)	LF	1,000		\$	\$
0421.4130	Cured in Place Pipe for 21" Dia. Gravity Sewer (.413 inch thick)	LF	1,000		\$	\$
0424.4720	Cured in Place Pipe for 24" Dia. Gravity Sewer (.472 inch thick)	LF	600		\$	\$
0427.4720	Cured in Place Pipe for 27" Dia. Gravity Sewer (.472 inch thick)	LF	600		\$	\$
0430.5310	Cured in Place Pipe for 30" Dia. Gravity Sewer (.531 inch thick)	LF	600		\$	\$
0436.7090	Cured in Place Pipe for 36" Dia. Gravity Sewer (.709 inch thick)	LF	600		\$	\$

SP-130 SAFETY:

A. Responsibility: Employees shall immediately report any unsafe work practice or unsafe condition to their supervisor(s). The Contractor is solely responsible for the safety of their workers, and shall comply with all applicable requirements [i.e.: 29 CFR 1910 -Occupational Safety and Health Standards, 29 CFR 1926 - Safety and Health Regulations for Construction, etc] and industry safety standards while at the work site. The fact that City personnel may bring un-safe conditions to the attention of any member of the Contractors work force does not relieve the Contractor of this responsibility.

Suggest, all Contractors employees and sub-contractors be given a copy of SP-130.

The Contractor shall have a designated Safety Officer within his organization. At the Pre-Construction meeting, the Contractor shall provide the name and contact information of the Safety Officer to the Engineer.

At the Pre-Construction meeting, the Contractor will be given pertinent safety related information, necessary forms and instructions (i.e.: AWTP Lockout/Tagout Procedures, AWTP Hot Work Permits, etc) that pertain to any work that might be utilized during the contract. The Contractor shall be responsible to disseminate that information to their employees and sub-contractors. Special care shall be taken by the Contractor to ensure that any new employee or sub-contractor to the work site shall be briefed on these safety instructions.

If warranted by the project and directed by the Engineer, the Contractor shall develop and implement a comprehensive health and safety plan for their employees that will cover all aspects of onsite construction operations and activities associated with the contract. This plan must comply with all applicable health and safety regulations and any project specific requirements that the contract has specified.

B. Incident Reporting: All accidents that result in personal injury, illness or property damage shall be immediately reported and investigated, regardless of the extent of injury, illness or property damage. Employees must report accidents within one hour (or as soon as practical) from the time of occurrence to their immediate supervisor who in turn will report it to the City's inspector. The City inspector will record the incident in their daily report and report it to the Risk Management Division (274-5708).

C. Air-Borne Debris: All personnel in close proximity to drilling, sawing, sanding, scraping, spraying, power-washing or other work being done, either in enclosed spaces or in the open, that creates dust or air-borne debris shall wear eye protection [29 CFR 1910.133] and a respirator [29 CFR 1910.134].

D. Hot Work: All welding, soldering, brazing, acetylene cutting or any other work at the AWTP or any pump station; that produces high temperatures shall require a AWTP "Hot Work Permit" and may require one or more fire watches. The number and location of fire watches (if any) shall be a condition of the Hot Work Permit. A current, portable, fully charged fire extinguisher shall be located with each person performing hot work and each fire watch. The Hot Work Permit shall be signed off by the appropriate personnel and maintained in the project file.

E. Confined Spaces: OSHA defines a confined space as having limited or restricted means for entry or exit, and is not designed for continuous employee occupancy. Confined spaces include, but are not limited to: vaults, tanks, manholes, wet-wells, pipelines, utility tunnels, etc.

The Contractor shall take measures [29 CFR 1910.146 (c)(5)] to ensure that atmospheric conditions in confined spaces are not hazardous to occupants. This can be accomplished by forcing a sufficient amount of clean air through the confined space and testing the atmosphere by using a portable certified, calibrated, atmosphere monitor that meets OSHA requirements [29 CFR 1910.146(c)(5)(ii)(C)]. The atmosphere monitor should record oxygen content, flammable gases and vapors and toxic air contaminants, such as the Industrial Scientific TMX-412.

F. Air-Borne Gases: The AWTP is located in an industrial area and as such there are several different substances, either on or off site, that can escape and become dangerous fumes such as: chlorine, methanol, anhydrous ammonia, etc. The AWTP currently has nine (9) Shelter In Place (SIP) locations that are designated as safe havens in the event of release of hazardous gases. These SIP's are stocked with necessary instructions and supplies to protect City and any Contractor's personnel.

The first day on site, City personnel will show all the Contractor's personnel present where the several closest SIP's are located, explain the alarm signals and provide the current alarm testing schedule. It shall be the Contractor's responsibility to show any future employee and/or sub-contractor that comes on site the location of the SIP's and explain the alarm signals.

In the event of an alarm, the Contractor's personnel shall immediately and hastily proceed to the nearest SIP along with the City personnel and remain there until further notice, taking guidance from and following the instruction of the senior City employee present.

G. Lockout / Tagout Policy: The AWTP Lockout / Tagout program is designed to set standards to help safeguard all employees from hazardous electrical or mechanical energy while they are performing service or maintenance on machines and equipment at the AWTP or any pump station. This program will also identify the practices and procedures to shut down and Lockout or Tagout machines and equipment. The Contractor shall be given a copy of the AWTP "LOCKOUT / TAGOUT POLICY AND PROCEDURES" instruction and shall make all of his employees and sub-contractors aware of this program.

No padlock (lockout) shall be removed except by the individual that installed it or if not available, by a City of Tampa AWTP team leader.

No tag (tagout) shall be removed except by the individual that installed it or if not available, by a City of Tampa AWTP team leader, except in an Emergency and the tag states "Do Not Use Unless in an Emergency". In that event, the Contractor shall notify the City of Tampa AWTP team leader, who will prepare the necessary follow up report.

H. Trench Safety: Any excavation deeper than four (4) feet shall adhere to the requirements contained in 29 CFR 1926.650 thru 652 and the Florida Trench Safety Act [Florida Statutes, ss 553.60 - 553.64].

I. Open Flames: No fires shall be allowed. No open flames necessary for any construction activity shall ever be left un-attended. A current, portable, fully charged fire extinguisher shall be located with each activity requiring an open flame.

J. Sparks: Any activity lasting more than 10 continuous minutes, that creates sparks, such as grinding or chipping shall have a dedicated fire watch in attendance. A current, portable, fully charged fire extinguisher shall be located with each activity creating sparks, regardless if a fire watch is required or not.

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K. First Aid: The Contractor shall furnish appropriate First Aid Kits [29 CFR 1910.151] and shall be responsible to ensure his employees are properly trained to render first aid. If injurious corrosive materials are to be utilized, eye wash and body wash facilities must be provided in the immediate area.

L. Related Costs: All costs associated with these or any safety measures shall be included in the total lump sum contract price or the various contract item unit prices, as applicable, and no separate payment shall be made thereof.

Wastewater Gravity Sewer Rehabilitation by Cured-in-Place Pipe (C.I.P.P.) FY10

Item No.	Description	Unit	Approx. Quantity	SAK Construction, LLC		Insituform Technologies, Inc		Lanzo Lining Services, Inc		Reynolds Inliner, LLC		American Infrastructure Technologies Corp		Southeast Pipe Survey, Inc	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
100	Contingency	LS	1	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00
101.01	Mobilization for Work Order total less than \$15,000	EA	5	\$100.00	\$500.00	\$4,500.00	\$22,500.00	\$1,000.00	\$5,000.00	\$1.00	\$5.00	\$500.00	\$2,500.00	\$4,000.00	\$20,000.00
101.02	Mobilization for MH Rehab. (if less than 3 manholes)	EA	3	\$850.00	\$2,550.00	\$1,500.00	\$4,500.00	\$600.00	\$1,800.00	\$1.00	\$3.00	\$300.00	\$900.00	\$4,000.00	\$12,000.00
101.03	Emergency Mobilization	EA	3	\$2,000.00	\$6,000.00	\$3,500.00	\$10,500.00	\$2,000.00	\$6,000.00	\$1.00	\$3.00	\$1,200.00	\$3,600.00	\$6,000.00	\$18,000.00
102-60	Work Zone Signs	E.D.	200	\$4.25	\$850.00	\$26.00	\$5,200.00	\$21.00	\$4,200.00	\$0.50	\$100.00	\$5.00	\$1,000.00	\$50.00	\$10,000.00
102-74-1	Barricades Type I or II	E.D.	2500	\$2.00	\$5,000.00	\$1.00	\$2,500.00	\$4.00	\$10,000.00	\$0.35	\$875.00	\$0.80	\$2,000.00	\$25.00	\$62,500.00
102-76	Arrow Board	E.D.	50	\$60.00	\$3,000.00	\$77.00	\$3,850.00	\$150.00	\$7,500.00	\$25.00	\$1,250.00	\$40.00	\$2,000.00	\$75.00	\$3,750.00
102-77	Variable Message Board	E.D.	10	\$95.00	\$950.00	\$130.00	\$1,300.00	\$200.00	\$2,000.00	\$50.00	\$500.00	\$110.00	\$1,100.00	\$75.00	\$750.00
0408.2360	Cured in Place Pipe for 8" Dia. Gravity Sewer (236 inch thick)	LF	1500	\$22.75	\$34,125.00	\$26.00	\$39,000.00	\$26.00	\$39,000.00	\$26.50	\$39,750.00	\$32.00	\$48,000.00	\$28.00	\$42,000.00
0410.2950	Cured in Place Pipe for 10" Dia. Gravity Sewer (295 inch thick)	LF	1500	\$24.00	\$36,000.00	\$27.00	\$40,500.00	\$28.00	\$42,000.00	\$30.00	\$45,000.00	\$32.50	\$48,750.00	\$32.00	\$48,000.00
0412.2950	Cured in Place Pipe for 12" Dia. Gravity Sewer (295 inch thick)	LF	1500	\$27.00	\$40,500.00	\$29.00	\$43,500.00	\$34.00	\$51,000.00	\$33.00	\$49,500.00	\$35.00	\$52,500.00	\$42.00	\$63,000.00
0415.2950	Cured in Place Pipe for 15" Dia. Gravity Sewer (295 inch thick)	LF	1500	\$35.00	\$52,500.00	\$38.00	\$57,000.00	\$44.00	\$66,000.00	\$45.00	\$67,500.00	\$50.00	\$75,000.00	\$65.00	\$97,500.00
0418.3540	Cured in Place Pipe for 18" Dia. Gravity Sewer (354 inch thick)	LF	1000	\$55.25	\$55,250.00	\$47.00	\$47,000.00	\$60.00	\$60,000.00	\$52.00	\$52,000.00	\$65.00	\$65,000.00	\$75.00	\$75,000.00
0421.4130	Cured in Place Pipe for 21" Dia. Gravity Sewer (413 inch thick)	LF	1000	\$58.00	\$58,000.00	\$58.00	\$58,000.00	\$70.00	\$70,000.00	\$63.00	\$63,000.00	\$85.00	\$85,000.00	\$85.00	\$85,000.00
0424.4720	Cured in Place Pipe for 24" Dia. Gravity Sewer (472 inch thick)	LF	600	\$84.00	\$50,400.00	\$69.00	\$41,400.00	\$90.00	\$54,000.00	\$75.00	\$45,000.00	\$100.00	\$60,000.00	\$105.00	\$63,000.00
0427.4720	Cured in Place Pipe for 27" Dia. Gravity Sewer (472 inch thick)	LF	600	\$90.00	\$54,000.00	\$70.00	\$42,000.00	\$100.00	\$60,000.00	\$77.00	\$46,200.00	\$105.00	\$63,000.00	\$115.00	\$69,000.00
0430.5310	Cured in Place Pipe for 30" Dia. Gravity Sewer (531 inch thick)	LF	600	\$108.00	\$64,800.00	\$79.00	\$47,400.00	\$140.00	\$84,000.00	\$100.00	\$60,000.00	\$126.00	\$75,600.00	\$135.00	\$81,000.00
0436.7090	Cured in Place Pipe for 36" Dia. Gravity Sewer (709 inch thick)	LF	600	\$146.00	\$87,600.00	\$105.00	\$63,000.00	\$160.00	\$96,000.00	\$125.00	\$75,000.00	\$175.00	\$105,000.00	\$155.00	\$93,000.00
0601	Hydraulic Cleaning & Inspection of Gravity Sewer	LF	5000	\$4.00	\$20,000.00	\$7.10	\$35,500.00	\$3.00	\$15,000.00	\$1.50	\$7,500.00	\$2.00	\$10,000.00	\$10.25	\$51,250.00
0602	Mechanical Cleaning of Gravity Sewer	LF	1000	\$0.50	\$500.00	\$2.00	\$2,000.00	\$5.00	\$5,000.00	\$1.50	\$1,500.00	\$2.00	\$2,000.00	\$12.25	\$12,250.00
0621	Cleaning & Inspection of Tuberculated Cast Iron or Ductile Iron Sewer , less than 15" Dia.	LF	1000	\$15.75	\$15,750.00	\$8.80	\$8,800.00	\$10.00	\$10,000.00	\$10.00	\$10,000.00	\$2.00	\$2,000.00	\$24.00	\$24,000.00
0622	Cleaning & Inspection of Tuberculated Cast Iron or Ductile Iron Sewer , 15" Dia. & greater	LF	1000	\$26.50	\$26,500.00	\$17.50	\$17,500.00	\$20.00	\$20,000.00	\$5.00	\$5,000.00	\$4.00	\$4,000.00	\$37.00	\$37,000.00
0700	Additional Cleaning & Inspection of Gravity Sewer	LF	500	\$2.15	\$1,075.00	\$3.10	\$1,550.00	\$4.00	\$2,000.00	\$1.50	\$750.00	\$3.00	\$1,500.00	\$4.95	\$2,475.00
0700	Disposal of Debris	CY	200	\$100.00	\$20,000.00	\$50.00	\$10,000.00	\$126.00	\$25,200.00	\$125.00	\$25,000.00	\$50.00	\$10,000.00	\$125.50	\$25,100.00
2050	Reconnect Service Connections	EA	300	\$25.00	\$7,500.00	\$75.00	\$22,500.00	\$125.00	\$37,500.00	\$1.00	\$300.00	\$1.00	\$300.00	\$200.00	\$60,000.00
2051	Removal of Protruding Services	EA	5	\$295.00	\$1,475.00	\$205.90	\$1,029.50	\$300.00	\$1,500.00	\$175.00	\$875.00	\$50.00	\$250.00	\$250.00	\$1,250.00
2052	Root Removal	LF	10	\$20.00	\$200.00	\$3.10	\$31.00	\$10.00	\$100.00	\$10.00	\$100.00	\$5.00	\$50.00	\$25.00	\$250.00
4800	Manhole Rehabilitation by Coating System	SF	1000	\$24.25	\$24,250.00	\$25.70	\$25,700.00	\$21.00	\$21,000.00	\$41.00	\$41,000.00	\$35.00	\$35,000.00	\$35.00	\$35,000.00
9000	Sewer Bypass with Tanker Truck	E.D.	10	\$850.00	\$8,500.00	\$823.60	\$8,236.00	\$220.00	\$2,200.00	\$1,300.00	\$13,000.00	\$750.00	\$7,500.00	\$2,000.00	\$20,000.00
9050.08	Sewage Bypass Pumping for 8" Dia. Sewer	LF	1000	\$0.25	\$250.00	\$0.30	\$300.00	\$1.00	\$1,000.00	\$1.98	\$1,980.00	\$0.10	\$100.00	\$3.00	\$3,000.00
9050.10	Sewage Bypass Pumping for 10" Dia. Sewer	LF	1000	\$0.25	\$250.00	\$0.30	\$300.00	\$1.00	\$1,000.00	\$1.98	\$1,980.00	\$0.10	\$100.00	\$4.00	\$4,000.00
9050.12	Sewage Bypass Pumping for 12" Dia. Sewer	LF	1000	\$0.25	\$250.00	\$2.10	\$2,100.00	\$1.00	\$1,000.00	\$1.98	\$1,980.00	\$0.10	\$100.00	\$5.00	\$5,000.00
9050.15	Sewage Bypass Pumping for 15" Dia. Sewer	LF	1000	\$2.00	\$2,000.00	\$4.00	\$4,000.00	\$2.00	\$2,000.00	\$6.00	\$6,000.00	\$1.00	\$1,000.00	\$8.00	\$8,000.00
9050.18	Sewage Bypass Pumping for 18" Dia. Sewer	LF	1000	\$3.00	\$3,000.00	\$8.00	\$8,000.00	\$2.00	\$2,000.00	\$6.00	\$6,000.00	\$2.50	\$2,500.00	\$10.00	\$10,000.00
9050.21	Sewage Bypass Pumping for 21" Dia. Sewer	LF	1000	\$3.00	\$3,000.00	\$9.00	\$9,000.00	\$3.00	\$3,000.00	\$13.00	\$13,000.00	\$3.00	\$3,000.00	\$15.00	\$15,000.00
9050.24	Sewage Bypass Pumping for 24" Dia. Sewer	LF	600	\$7.00	\$4,200.00	\$9.00	\$5,400.00	\$8.00	\$4,800.00	\$15.00	\$9,000.00	\$5.50	\$3,300.00	\$20.00	\$12,000.00
9050.27	Sewage Bypass Pumping for 27" Dia. Sewer	LF	600	\$10.00	\$6,000.00	\$9.00	\$5,400.00	\$8.00	\$4,800.00	\$15.00	\$9,000.00	\$6.00	\$3,600.00	\$25.00	\$15,000.00
9050.30	Sewage Bypass Pumping for 30" Dia. Sewer	LF	600	\$14.00	\$8,400.00	\$15.00	\$9,000.00	\$14.00	\$8,400.00	\$27.00	\$16,200.00	\$8.50	\$5,100.00	\$30.00	\$18,000.00
9050.36	Sewage Bypass Pumping for 36" Dia. Sewer	LF	600	\$18.00	\$10,800.00	\$20.00	\$12,000.00	\$20.00	\$12,000.00	\$27.00	\$16,200.00	\$10.00	\$6,000.00	\$35.00	\$21,000.00
	SUBTOTAL SCHEDULE A				\$765,925.00		\$767,496.50		\$888,000.00		\$782,051.00		\$838,350.00		\$1,273,075.00

