

# BPC WEST SEWERSHED PACKAGE 6B PROJECT Solicitation Number: CO-00373 Job No.: 20-4520

### **ADDENDUM 3**

July 23, 2021

## To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

## **CHANGES TO THE SPECIFICATIONS**

 Remove SS910 - Manhole Rehabilitation Specification in its entirety and replace with the attached SS910 - Manhole Rehabilitation Specification.

Section 910.4(6) has been revised to remove ConShield as an approved product on the BPC West Sewershed Package 6B project.

- SAWS Standard Specification 855 Reconstruction of Existing Manholes (2017).
   Delete bullet 855.4.(6)(a)(5) ConShield Biotech Armor
- 3. Remove 05/07/2021 Building Wage Decision in its entirety and replace with the 07/09/2021 Building Wage Decision attached to this addendum.
- 4. Invitation to Bidders. The second sentence of the seventh paragraph is hereby modified to read as follows:

"Bids will be received either Electronically or through Sealed bids, until 2:00 PM (CT), July 29, 2021."

5. Invitation to Bidders. The last paragraph is hereby modified to read as follows:

"If Bidders intend to submit bids electronically, Bidders will need to submit a request by July 28, 2021 2:00 PM (CDT) to receive access to the File Transfer Protocol (FTP) site via email to Janie.Powell@saws.org. Bidder's email requesting access to the FTP site shall provide the legal name of Bidder's company and the intended recipient's email address and phone number. No requests for FTP site access will be accepted after July 28, 2021 2:00 PM (CDT)."

6. Electronic Bid Opening Instructions. The header and first two paragraphs are hereby modified to read as follows:

"BPC WEST SEWERSHED PACKAGE 6B

Solicitation Number: CO-00373

**ELECTRONIC BID OPENING INSTRUCTIONS** 

July 29, 2021 at 2:00 PM (CT)

In order to receive **electronic bids** for this project, SAWS will utilize a SAWS secured File Transfer Protocol (FTP) site. Only Bidders bidding as Prime Contractors will need to submit their request prior to **July 28, 2021** at 2:00 PM (CT) to receive access to the FTP site via email to <u>Janie.Powell@saws.org</u>. Bidder's email shall provide the legal name of the Bidder's company and the intended recipient's email address and phone number. No requests for FTP site access will be accepted after **July 28, 2021** at 2:00 PM (CT). Once a Bidder is approved for access, an email with a hyperlink to the FTP site and a unique password for the Bidder will be provided to the Bidder's email recipient.

Once access is received, Bidders may upload the required documents per the Bid Proposal checklist any time before July 29, 2021 at 2:00 PM (CT). Please ensure to allow sufficient time should Bidder's experience technical difficulties in uploading the required documents. No changes to the Bid can be made once the Bid has been submitted."

### **END OF ADDENDUM**

This Addendum, including these two (2) pages, is fourteen (14) pages in its entirety.

Attachments:

SS910 – Manhole Rehabilitation Specification (4 pages) 07/09/2021 – Building Wage Decision (8 pages)



Steven H. Thai, P.E. BGE, Inc. TBPE Registration No. F-1046

# ITEM SS 910 Manhole Rehabilitation Specification

- 910.1 **DESCRIPTION:** This item shall govern rehabilitation of manholes complete and in place and the materials used therein, including cleaning, interior surface restoration, priming the prepared surface and coating (including bench and invert of the manhole). It shall also include all required by-pass pumping necessary to complete the work.
- 910.2 REFERENCED STANDARDS: Reference standards cited in this Specification Item No. 910 refer to the current reference standard published at the time of the latest revision date logged at the end of this Specification Item No. 910 unless a date is specifically cited.
  - 1. AASHTO American Association of State Highway and Transportation Officials:
    - a. M306: Standard Specification for Drainage, Sewer, Utility, and Related Castings.
  - 2. ASTM American Society for Testing and Materials:
    - a. A536: Standard Specification for Ductile Iron Castings.
    - b. C478: Standard Specification for Circular Precast Reinforced Concrete Manhole Sections.
    - c. D638: Test Method for Tensile Properties of Plastics.
    - d. D648: Standard Test Method for Deflection Temperature of Plastics under Flexural Load in the Edgewise Position.
    - e. D790: Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
    - f. D1238: Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer.
    - g. D1505: Standard Test Method for Density of Plastics by the Density-Gradient Technique.
    - h. D1693: Standard Test Method for Environmental Stress-Cracking of Ethylene Plastics.
    - i. ASTM C 109 Standard Test Method for Compressive Strength of Hydraulic Cement
    - j. Mortars (Using 2-in. or [50-mm] Cube Specimens)
    - k. ASTM C 293 Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Center-Point Loading)
    - 1. ASTM C 490 Standard Practice for Use of Apparatus for the Determination of Length Change of Hardened Cement Paste, Mortar, and Concrete
    - m. ASTM C 496 Standard Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens
    - n. ASTM C 882 Standard Test Method for Bond Strength of Epoxy-Resin Systems Used
    - o. With Concrete By Slant Shear
    - p. ASTM C 1140 Standard Practice for Preparing and Testing Specimens from Shortcrete Test Panels.
  - 3. COSA City of San Antonio:
    - a. Utility Excavation Criteria Manual.
  - 4. TCEQ Texas Commission on Environmental Quality:

- a. Design Criteria for Sewage Systems (30 TCEQ § 217).
- b. Edwards Aquifer Recharge Zone (30 TCEQ § 213).
- **910.3 SUBMITTALS:** Contractor shall submit manufacturer's product data, instructions, recommendations, shop drawings, and certifications. All submittals shall be in accordance with Engineer's requirements and submittals shall be approved by the Engineer prior to delivery.
  - Submit proposed methods, equipment, materials and sequence of operations for sewer construction.
  - 2 Plan operations so as to minimize disruption of utilities to occupied facilities or adjacent property.
  - 3 Submit test reports.
  - 4 Submit pre and post construction videos.
  - 5 Videos become property of SAWS.
  - 6 Manufacturer shall certify that Applicator has been trained and approved in the handling, mixing and application of the products to be used.
  - Figure 7 Equipment to be used for applying the products by the Applicator shall be certified and approved by the Manufacturer.
  - 8. Only manhole rehabilitation products approved by the SAWS Standards Committee shall be used.
  - 9. The Contractor shall submit descriptive information including technical data sheets and ASTM test results on each product proposed indicating that the product conforms to and it is suitable for its intended use per these specifications.

### 910.4 MATERIALS:

- 1. Concrete: Concrete shall conform to City of San Antonio (CoSA) Standard Specifications for Public Works Constructed. Item 300- Concrete (concrete class "A").
- 2. Mortar shall be composed of one part Portland Cement, one part masonry cement (or ½ part hydrated lime) and masonry sand equal to 2-1/2 to 3 times the sum of the volumes of the cements and lime used.
- 3. Unless otherwise specified, all grouting shall be done with non-shrinking grout.
  - a. Non-shrinking grout shall be furnished factory premixed so only water is added at the job site.
  - b. Grout shall be mixed in a mechanical mixer.
  - c. No more water shall be used than is necessary to produce a flowable grout.
  - d. All proportioning and mixing of the components shall be in accordance with manufacturer's recommendations.
- 4. Reinforcement: Reinforcing steel shall conform to the requirements of COSA Item 301- Reinforcing Steel.
- 5. Replacement brick for ring adjustment courses shall be of first quality, sound, kiln fired, new unbroken brick
- 6. For rehabilitation of existing manholes; first, apply a combination of cementitious coatings followed by an approved epoxy coating. SewperCoat 2000 HS and PG is the only product approved which does not require a subsequent epoxy coating. ConShield is not an approved product for use on the BPC West Sewershed Package 6B Project.

- 7. Only SAWS approved manhole rehabilitation products shall be used. Other approved materials are located on SAWS website under SAWS Approved Products List. The list is periodically updated. Contractors should check the list prior to starting construction.
- **910.5 CONSTRUCTION**: Proper surface preparation procedures must be followed to ensure adequate bond strength to any surface to be coated.
  - 1. Applicator shall inspect all surfaces specified to receive a liner prior to surface preparation.
  - 2. Applicator shall notify Engineer of any noticeable disparity in the surfaces which may interfere with the proper preparation or application of the repair mortar and/or liner(s).
  - 3. Concrete that is not sound or has been damaged by chemical exposure shall be removed to a sound, concrete surface.
  - 4. All contaminants including: all oils, grease, incompatible existing coatings, waxes, form release, curing compounds, efflorescence, sealers, salts, or other contaminants shall be removed.
  - 5. Surface preparation methods(s) should be based upon the conditions of the substrate and the requirements of the liner to be applied.
  - 6. Surface to receive liner shall be cleaned and abraded to produce a sound concrete surface with adequate profile and porosity to provide a strong bond between the protective coating and substrate.
  - 7. High pressure cleaning with a <u>minimum</u> of 4,000 psi, and 4 gallons per minute using a rotating pencil nozzle, shall be used to clean and free all foreign material within the manhole.
  - 8. Detergent water and cleaning or muratic acid shall be used when grease and oil are present.
  - 9. All materials resulting from the cleaning of the manhole shall be removed prior to application of coating.
  - 10. Active water infiltration shall be stopped by using a cementitious water plug or hydroactive grout which is compatible with the specified coating.
  - 11. Prepared surfaces should be tested after cleaning but prior to application of the coating, if a specific pH or moisture content of the concrete is required according to manufacturer's recommendations.
  - 12. Protective-coating materials are to be handled according to their material safety data sheets. Materials are to be kept dry, protected from weather and stored under cover.
  - 13. Repair/under-coat materials must be accepted and approved by the protective coating manufacturer\_for compatibility with the specified liner and shall be used to fill voids, structurally reinforce and/or rebuild surfaces, etc. as determined necessary by the engineer and liner applicator.
  - 14. Application procedures shall conform to the recommendations of the liner manufacturer, including material handling, mixing, environmental controls during application, safety, and equipment.
  - 15. The liner application equipment shall be specifically designed to accurately apply the specified liner materials and shall be regularly maintained and proper working order.
  - 16. The liner material must be applied by a Certified Applicator of the liner manufacturer.

- 17. The liner shall be applied to minimum thickness or as specified by the Engineer manufacturer's recommendations.
- 910.6 TESTING: Contractor maybe required perform testing for manhole rehabilitation
  - 1. Visually verify the absence of leaks.
  - 2. Contractor maybe required to perform either a hydrostatic test or vacuum test on every manhole that is rehabilitated.
    - 1. Test to be coordinated with SAWS Inspector.
    - 2 Test to be performed as outline in Specification Item 852 Sanitary Sewer Manholes.
  - 3. Every manhole that is rehabilitated shall be inspected using high-voltage holiday detection equipment.
    - 1. All detected holidays shall be marked and repaired by abrading the coating surface with grit disk paper or other hand tooling method.
    - After abrading and cleaning, additional protective coating material shall be applied to the repair area.
    - 3. All touch-up repair procedures shall follow the protective coating manufacturer's recommendations.
  - 4. If a manhole fails to pass one of the above tests, it shall be repaired in accordance with the manufacturer's recommendation and re-tested.
  - 5. It shall not be accepted until it passes all tests.
  - 6. All repairs and re-testing shall be at no additional cost to SAWS.
- **910.7 MEASUREMENT:** Manhole Rehabilitation shall be measured by vertical feet of manhole depth. Sewer Structure Rehabilitation (Noncircular Manholes, and Manholes Greater than 4 ft. in Diameter) shall be measured by the square feet of area to be rehabilitated.
  - 1. The bench area of the manhole or manhole structure is considered to be subsidiary to the measurement of the rehabilitated manhole or manhole structure, and, shall be rehabilitated as necessary.
- **910.8 PAYMENT:** This item shall be paid for by square foot at the unit price bid or by the vertical foot of depth for the unit price bid for "Manhole Rehabilitation." Payment shall be full compensation for materials, labor, equipment, tools, testing, and any incidentals necessary to complete the work including the bench, invert, and all interior surfaces of the manhole. Payment will be made under the following:

Pay Item (SS910.1): Manhole Rehabilitation (Standard Manholes 4 ft diameter) per Vertical Feet.

Pay Item (SS910.2): Sewer Structure Rehabilitation (Noncircular Manholes, and Manholes Greater than 4 ft. in Diameter) – per Square Feet.

# **End Specification**

"General Decision Number: TX20210231 07/09/2021

Superseded General Decision Number: TX20200231

State: Texas

Construction Type: Building

County: Bexar County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/01/2021
1	03/12/2021
2	05/07/2021
3	07/09/2021

ASBE0087-014 03/02/2020

Rates Fringes

ASBESTOS WORKER/HEAT & FROST INSULATOR (Duct, Pipe and Mechanical System Insulation)\$ 23.97 10.79					
BOIL0074-003 01/01/2017					
	Rates	Fringes			
BOILERMAKER	\$ 28.00	22.35			
ELEC0060-003 07/27/2020					
	Rates	Fringes			
ELECTRICIAN (Communication Technician Only)	\$ 29.60	15%+5.45			
ELEC0060-004 07/27/2020					
	Rates	Fringes			
ELECTRICIAN (Excludes Low Voltage Wiring)	\$ 29.60	18%+5.45			
ELEV0081-001 01/01/2021					
	Rates	Fringes			
ELEVATOR MECHANIC	\$ 43.31	36.365			
FOOTNOTES:  A. 6% under 5 years based on regular hourly rate for all hours worked. 8% over 5 years based on regular hourly rate for all hours worked.					
B. Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Friday after Thanksgiving Day; Christmas Day; and Veterans Day.					
ENGI0450-002 04/01/2014					
	Rates	Fringes			
POWER EQUIPMENT OPERATOR Cranes	\$ 34.85	9.85			
IRON0066-013 06/01/2020					

Rates	Fringes
IRONWORKER, STRUCTURAL\$ 23.45	
IRON0084-011 06/01/2020	
Rates	Fringes
IRONWORKER, ORNAMENTAL\$ 25.26	7.13
PLUM0142-009 07/01/2020	
Rates	Fringes
HVAC MECHANIC (HVAC	
Electrical Temperature Control Installation Only)\$ 30.25	13.36
HVAC MECHANIC (HVAC Unit Installation Only)\$ 30.25	13.36
PIPEFITTER (Including HVAC Pipe Installation)\$ 31.90 Including HVAC Pipe Installation	13.76
PLUMBER (Excludes HVAC Pipe Installation)\$ 31.90 Excludes HVAC Pipe Installation	13.76
SFTX0669-002 04/01/2021	
Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers)\$ 31.68	22.50
SHEE0067-004 04/01/2021	
Rates	Fringes
Sheet metal worker Excludes HVAC Duct Installation\$ 27.58	15.76
HVAC Duct Installation Only.\$ 27.58	15.76
SUTX2014-006 07/21/2014	
Rates	Fringes
BRICKLAYER\$ 22.15	0.00

CARPENTER (Acoustical Ceiling Installation Only)\$ 17.83	0.00
CARPENTER (Form Work Only)\$ 13.63	0.00
CARPENTER, Excludes Acoustical Ceiling Installation, Drywall Hanging, Form Work, and Metal Stud Installation	4.17
CAULKER\$ 15.00	0.00
CEMENT MASON/CONCRETE FINISHER\$ 22.27	5.30
DRYWALL FINISHER/TAPER 13.81	0.00
DRYWALL HANGER AND METAL STUD INSTALLER\$ 15.18	0.00
ELECTRICIAN (Low Voltage Wiring Only)\$ 20.39	3.04
IRONWORKER, REINFORCING\$ 12.27	0.00
LABORER: Common or General\$ 10.75	0.00
LABORER: Mason Tender - Brick\$ 11.88	0.00
LABORER: Mason Tender - Cement/Concrete\$ 12.00	0.00
LABORER: Pipelayer \$ 11.00	0.00
LABORER: Roof Tearoff\$ 11.28	0.00
LABORER: Landscape and Irrigation\$ 8.00	0.00
OPERATOR: Backhoe/Excavator/Trackhoe\$ 15.98	0.00
OPERATOR: Bobcat/Skid Steer/Skid Loader\$ 14.00	0.00
OPERATOR: Bulldozer \$ 14.00	0.00
OPERATOR: Drill	0.00

OPERATOR:	Forklift\$ 12.50	0.00		
OPERATOR:	Grader/Blade\$ 23.00	5.07		
OPERATOR:	Loader \$ 12.79	0.00		
OPERATOR:	Mechanic \$ 18.75	5.12		
	Paver (Asphalt, and Concrete)\$ 16.03	0.00		
OPERATOR:	Roller \$ 12.00	0.00		
PAINTER (Brush, Roller and Spray), Excludes Drywall				
	Taping\$ 13.07	0.00		
ROOFER	\$ 12.00	0.00		
TILE FINIS	HER\$ 11.32	0.00		
TILE SETTE	R\$ 14.94	0.00		
TRUCK DRIV	ER: Dump Truck\$ 12.39	1.18		
TRUCK DRIV	ER: Flatbed Truck\$ 19.65	8.57		
	ER: Semi-Trailer \$ 12.50	0.00		
	ER: Water Truck\$ 12.00	4.11		

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other

health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

## Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and

the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

- 1.) Has there been an initial decision in the matter? This can be:
- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on
  - a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests

for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations Wage and Hour Division U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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