

**CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS**

RECEIPT OF ADDENDUM NUMBER(S) #1 IS HEREBY ACKNOWLEDGED FOR PLANS AND

SPECIFICATIONS FOR CONSTRUCTION OF WEST AVENUE LOW WATER CROSSING

FOR WHICH BIDS WILL BE OPENED ON 05/05/15

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID PACKAGE.

Company Name: _____

Address: _____

City/State/Zip Code: _____

Date: _____

Signature

Print Name/Title

ADDENDUM NO. 1

**CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS**

**PROJECT NAME:
WEST AVENUE LOW WATER CROSSING**

DATE: APRIL 23, 2015



ADDENDUM NO. 1

This addendum should be included in and be considered part of the plans and specifications for the name of the project. The contractor shall be required to sign an acknowledgement of the receipt of this addendum and submit with their bid. Where provisions of the following supplementary data differ from those of the original Construction Documents, the Addendum shall govern and take precedence.

CIMS PROJECT NO.: 40-00033

CHANGES TO BID DOCUMENTS:

1. Substitute and utilize the attached City of San Antonio Standard Specifications for Construction "General Conditions"
2. Substitute and utilize the revised "List of Governing Specifications, Special Provisions and Special Specifications"
 - a. Revised the list of City of San Antonio Special Provisions to include Item 001-001, "Notice to Proceed and Commencement of Contract Times" (Page 2 of 4)
 - b. Revised the list of SAWS Special Conditions and Provisions to include SAWS Special Provision 864, "Special Provision to SAWS Item 864 Bypass Pumping" (Page 4 of 4)
3. Substitute and utilize the attached Special Provision 001-001, "Notice to Proceed and Commencement of Contract Times"
4. Substitute and utilize the attached Special Provision 864, "Special Provision to SAWS Item 864 Bypass Pumping"

GENERAL CONDITIONS

General Conditions:

- a. Section 1.1.11 of the General Conditions for City of San Antonio Construction Contracts is deleted and replaced in its entirety with the following:
 - 1.1.11. "DAY" as used in the Contract Documents shall mean Calendar Day, unless otherwise specifically defined. A Calendar Day is a day of 24 hours, measured from midnight to the next midnight, unless otherwise specifically stipulated. A Working Day is measured from sunrise to sundown Monday through Saturday, except legal holidays, or the hours during which Contractor has been authorized to work by Owner.

- b. Section 3.10.5 of the General Conditions for City of San Antonio Construction Contracts will be modified to include in its entirety the following:
 - 3.10.5.4. Contactor shall perform work Six (6) days each week, Monday through Saturday, from sunrise to sundown, unless otherwise directed by the City.

- c. Section 3.10.6.3 of the General Conditions for City of San Antonio Construction Contracts is deleted and replaced in its entirety with the following:
 - 3.10.6.3. Work shall be scheduled based upon Contractor's six (6) day work week, utilizing the appropriate calendar assignments and using compatible Project Scheduling software.

ITEM NO.	DESCRIPTION
536	PREFORMED PAVEMENT MARKINGS
537	RAISED PAVEMENT MARKERS
540	TEMPORARY EROSION, SEDIMENTATION AND WATER POLLUTION PREVENTION AND CONTROL
550	TRENCH EXCAVATION SAFETY PROTECTION
554	EROSION CONTROL MATTING
618	CONDUIT
620	ELECTRICAL CONDUCTORS
624	GROUND BOXES
628	ELECTRICAL SERVICES
633	BATTERY BACKUP SYSTEM FOR TRAFFIC SIGNAL
655	CONTROLLER FOUNDATION AND PEDESTAL POSTS
680	INSTALLATION OF HIGHWAY TRAFFIC SIGNALS
681	TEMPORARY TRAFFIC SIGNALS
682	VEHICLE AND PEDESTRIAN SIGNAL HEADS
684	TRAFFIC SIGNAL CABLES
686	TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL)
687	PEDESTAL POLE ASSEMBLIES
688	PEDESTRIAN DETECTORS AND VEHICLE LOOP DETECTORS
695	EMERGENCY VEHICLE TRAFFIC SIGNAL PRIORITY CONTROL SYSTEM
696	RADAR DETECTION DEVICE
700	COST LOADED PROJECT SCHEDULES
1000	WEB PORTAL

SECTION 2

SPECIAL PROVISIONS: Special provisions will govern and take precedence over the specifications enumerated heron wherever in conflict therewith.

ITEM NO.	DESCRIPTION
001-001	NOTICE TO PROCEED AND COMMENCEMENT OF CONTRACT TIMES
401	REINFORCED CONCRETE PIPE
403	STORM SEWER JUNCTION BOXEX AND INLETS
502	CONCRETE SIDEWALKS
503	ASPHALTIC CONCRETE, PORTLAND CEMENT CONCRETE AND GRAVEL DRIVEWAYS
505	CONCRETE RIPRAP
520	HYDROMULCHING
526	FIELD OFFICE
700	COST LOADED PROJECT SCHEDULES
800	PROJECT SIGN
804	NEW TREE & SHRUB PLANTING AND MAINTENANCE

SECTION 3

SPECIAL SPECIFICATIONS

ITEM NO.	DESCRIPTION
SS16800	SOLAR POWERED ALERT EARLY FLOOD WARNING SYSTEM FOR RAIN AND STREAM LEVEL
SS5935	TEMPORARY PORTABLE TRAFFIC SIGNAL

ITEM NO.	DESCRIPTION
841	HYDROSTATIC TESTING OPERATIONS
844	BLOW-OFF ASSEMBLIES
846	AIR RELEASE ASSEMBLIES
848	SANITARY SEWER
849	AIR AND DEFLECTION TESTING (SANITARY SEWER)
852	SANITARY SEWER MANHOLES
854	SANITARY SEWER LATERALS
855	RECONSTRUCTION OF EXISTING MANHOLES
856	JACKING, BORING OR TUNNELING PIPE
858	CONCRETE ENCASMENT, CRADLES, SADDLES, AND COLLARS
862	ABANDONMENT OF SANITARY SEWER MAINS AND MANHOLES
864**	BYPASS PUMPING
866	SEWER MAIN TELEVISION INSPECTION
1015	SERVICE LINE BREAKS/LEAK REPAIRS
1020	WATER MAIN BREAKS/LEAK REPAIRS, ALL TYPES
3000	HANDLING ASBESTOS CEMENT PIPE

* Requires revision to specification through special conditions so construction method, measurement, and payment refer to "Sanitary Sewers", Item No. 848 in place of "Water Main Installation", Item No. 812.

** Requires supplemental information through special provision. Refer to Special Provision 864 "Special Provision to SAWS Item 864 Bypass Pumping"

SAWS SPECIAL CONDITIONS AND PROVISIONS (Note that the referenced special conditions are printed in Section 5.)

ITEM NO.	DESCRIPTION
SAWS	SAWS WATERWORKS AND SANITARY SEWER CONSTRUCTION SPECIAL CONDITIONS
SAWS	SPECIFICATIONS FOR USING HYDRA-STOP, OR APPROVED EQUAL, TO ISOLATE AN ACTIVE WATER MAIN
864	SPECIAL PROVISION TO SAWS ITEM 864 BYPASS PUMPING

SECTION 6

CPS ENERGY REQUIREMENTS AND SPECIFICATIONS FOR CONSTRUCTION OF NATURAL GAS DISTRIBUTION FACILITIES

ITEM NO.	DESCRIPTION
GAS-1	ADDITIONS TO THE PROJECT BID DOCUMENTS
GAS-2	SPECIFICATIONS FOR CONSTRUCTION OF NATURAL GAS DISTRIBUTION FACILITIES
GAS-3	DESIGN STANDARDS FOR STEEL GAS PIPING
GAS-4	DESIGN STANDARDS FOR POLYETHYLENE GAS PIPING
GAS-7	COVERED TASKS REGULATED BY 49 CFR PART 192

**SPECIAL PROVISION
001---001**

Notice to Proceed and Commencement of Contract Times

For this project, Article I “General Provisions” of the General Conditions for City of San Antonio Heavy Highway Construction Contracts, is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Article are waived or changed hereby.

Article 1.2.3 Notice to proceed and Commencement of Contract Times. This article will be amended to include the following sentence:

The City may delay issuance of the Notice to Proceed by up to 90 days after the contract is awarded. This possible delay start shall not be the basis for any claim by the contractor for additional time or compensation.

**SPECIAL PROVISION TO SAWS ITEM 864
BYPASS PUMPING -DRAFT**

The following information is supplemental to SAWS ITEM NO. 864.

864.1 DESCRIPTION: The work covered in this item is for the use of inflatable and mechanical pipe plugs. The use of inflatable / mechanical plugs in the water and sewer industry is the standard method to temporarily plug a pipe where permanent flow control devices are not available or are not operating as designed.

An inherent danger exists with all inflatable products. If any conditions with this equipment exist that may jeopardize the safety of workers or others, do not use it.

864.2 SUBMITTALS

For all projects requiring the use of pipe plugs on pipes the Contractor shall furnish a submittal containing manufacturer's product data, instructions, recommendations and a project Plug Use Plan (PUP). The PUP shall be submitted a minimum of two weeks prior to commencing any portion of the proposed scope of work.

The following shall be submitted with the PUP:

1. A cover letter containing the following information;
 - a. The project name and job number;
 - b. The name and address of the Contractor
 - c. Contact information of the Contractor's project manager, superintendent, foreman/supervisor, safety professional, etc.
 - d. Emergency (24/7) contact information for the staff responsible for operating and maintaining the plug. Include the name, phone number, email address and the person(s) onsite who is responsible for the project.
 - e. The name and contact information for the PUP preparer.

2. A Plug Plan
 - a. The plan shall show where on the project site the contractor intends to use pipe plugs, including:
 - b. manhole numbers;
 - c. the upstream and downstream pipe diameters and pipe materials;
 - d. pipe slopes;
 - e. pipe depth;
 - f. pipe flow direction;
 - g. known peak or surcharge flow data;
 - h. types of plugs to be used;
 - i. types of restraint used;
 - j. type of radio transmitting device.

3. Calculations
 - a. Provide calculations of the maximum anticipated head pressure on the plug and the resultant tensile force required to restrain the plug prior to plug inflation and during plug removal.
 - b. Provide calculations of the required inflation pressure of the plug.
 - c. Calculations shall be sealed and signed by a professional engineer licensed in the state of Texas in civil or mechanical engineering.
4. Plug selection
 - a. Detail the plug selection for each installation including given conditions, pipe size and anticipated pressure requirements. Include in this plan whether sleeves will be used.
5. Plug inspection:
 - a. Provide an inspection form detailing manufacturer's recommendations for plug inspection of plug condition before and after use; form to be signed by contractor staff responsible for plug installation prior to and after plug installation.
6. Monitoring plan
 - a. Provide a monitoring plan for observing the plug inflation pressure gauge and hoses. Monitoring shall be for 24-hours per day during the plug use duration.
 - b. Provide a written response plan for when the plug loses pressure.
 - c. Provide a plug retrieval plan.
7. Plug restraint details
 - a. Provide means and methods for anchoring, support and bracing appropriate for anticipated operating pressure conditions
 - b. Size restraint (cable or chain) based on calculated loads using a safety factor of 4.
 - c. Provide multiple tie-off locations for chain or wire cable restraint.
 - d. Rope of any kind is not an acceptable material for plug restraint.
8. Manufacturer's Literature
 - a. Provide manufacturer's literature on proper plug use and safety precautions, including available on-line training.

864.3 MATERIALS

1. Plugs
 - a. The Contractor shall provide all necessary equipment, plugs, hoses, gauges and necessary appurtenances to install the plug, maintain the plug during use and remove the plug at completion.

- b. All plugs must be in good condition, and shall not have visible damage such as cracks, holes, tears, cuts, punctures, abrasions, loose or damaged fittings, cracks in castings and excessive wear.
- c. All plugs 15-inches and larger shall have an air release valve for rupture protection.
- d. All plugs 24-inches in diameter and larger shall be equipped with a radio transmitter locating device that is activated by the plug losing air pressure. The locating transmitter device shall be effective to a depth of 65 feet, and have a battery life of 1,000 hours when operated in pulse mode after activation.
- e. All plugs 24-inches in diameter and larger shall have a protective sleeve.
- f. If the plug is damaged, do not use the plug and remove it from the job site.
- g. Contractor must be aware of the limitations associated with plugs.

864.4 INSTALLATION

1. Safety

- a. The Contractor shall be solely responsible for the safe and effective use of plugs, including the proper combination of inflatable/mechanical plugs to block the sewer flow at both the upstream and downstream ends of a sewer bypass.
- b. Inflatable plugs should be used only after receiving training as recommended by the manufacturer.
- c. An inherent danger exists with all inflatable products. If any conditions with this equipment exist that may jeopardize the safety of workers or others corrective actions should be taken prior to the equipment use.

2. Plugs

- a. Plugs must be selected and installed in accordance with the manufacturers recommendations.
- b. Plugs must also be selected and installed according to the size of the line to be plugged.
- c. Spare plugs – Provide spare plugs on-site ready to be installed in the event a plug fails or becomes dislodged.
- d. Plugs will be in good condition and reviewed by the Contractor for defects that might lead to failure prior to being installed. The Contractor shall sign the Plug Inspection form.
- e. Plugs must be removed from the system upon completion of the work.
- f. Testing – plugs shall be tested prior to use. The inflatable plug shall be placed inside of a structurally sound pipe or conduit and inflated to its operating pressure and monitored for 24 hours to observe it holds the required pressure. This testing shall be performed in accordance with the manufacturer’s recommendations. Inflating a plug when it is not constrained or overinflating the plug creates a risk of being injured by pieces of the plug exploding if it fails.
- g. Damages – The Contractor will be responsible for damages due to plugs being left in place or dislodged, including but not limited to:

- i. Damages to SAWS infrastructure or private property.
- ii. Costs associated with sanitary sewer overflows including: regulatory fines; sewage and debris cleanup; debris disposal at an appropriate landfill; disinfection of all surfaces which have come in contact with the sewage.
- iii. Costs associated with locating and retrieving lost or dislodged plugs.

864.5 MEASUREMENT AND PAYMENT: Measurement of the work for pipe plugs shall be incidental to the work and will not have a separate pay item.

End of Special Provision