



Package 8 – Small Diameter Under Major Highways

Solicitation Number: CO-00538

Job No.: 18-4521

ADDENDUM #1

July 18, 2022

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specification and 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

1. Remove and Replace the SPECIAL CONDITIONS with the attached revised SPECIAL CONDITIONS. Special Condition SC12. Phasing has been updated to place the S. Presa site last in the phasing and Special Condition SC13. Right-of-Entries to Construct and Construction Easements has been updated to provide direction regarding the Temporary Construction Easement to be acquired for the S. Presa site.
2. Remove and Replace the Building Wage Rate General Decision Number: TX20220231 dated 06/17/2022 with the attached updated Building Wage Rate General Decision Number: TX20220231 dated 07/08/2022.

CHANGES TO PLANS

1. Remove and replace Page S8 of the plans with the attached page dated 7/12/2022. The construction phasing order has been updated.
2. Remove and replace Page S28 of the plans with the attached page dated 7/12/2022. The construction phasing order has been updated.
3. Remove and replace Page S34 of the plans with the attached page dated 7/12/2022. The construction phasing order has been updated.
4. Remove and replace Page S40 of the plans with the attached page dated 7/12/2022. The Proposed Right-of-Entry note for 1011 E. White Ave. has been updated to read Proposed Temporary Construction Easement.
5. Remove and replace Page S44 of the plans with the attached page dated 7/12/2022. The construction phasing order has been updated.



6. Remove and replace Page S49 of the plans with the attached page dated 7/12/2022. The construction phasing order has been updated.

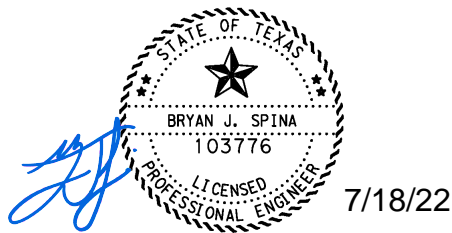
END OF ADDENDUM #1

This Addendum, including these two (2) pages, is twenty-three (23) pages in its entirety.

Attachments: Special Conditions (8 Pages)

Building Wage Rate General Decision Number: TX20220231 07/082022 (7 Pages)

Pages S8, S28, S34, S40, S44, and S49 (6 pages)



Bryan J. Spina, P.E., CFM
LNV, LLC
TBPLES Firm No. F-366

Special Conditions

SC1. GEOTECHNICAL DATA

A Geotechnical Data Report has been developed for SAWS on this project and has been made available for Contractors for informational purposes only. SAWS will require the execution of a SAWS disclaimer form by the potential Bidder as a condition of and prior to the release of the report. To complete the disclaimer form and obtain the report, please go to the following link on SAWS website: https://www.saws.org/business_center/ContractSol/

Find this project, select ‘More’, then ‘Geotechnical Data Report’.

SC2. ADDITIONAL INSURED

The CONTRACTOR shall, to the extent allowed by law, list a landowner or other person or entity with an insurable interest as an additional insured on the Commercial General Liability (CGL) and Commercial/Business Automobile Liability (AL) policy(s) of insurance that CONTRACTOR is required to maintain under this Contract. Landowner shall be added as an additional insured if indicated in the landowner’s easement agreement and upon request as needed.

- A. Union Pacific Railroad shall be added as additional insured.
 - B. Other entities upon request.
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SC3. UPRR/RAILPROS

The OWNER has entered into pipeline encroachment and crossing agreements with the Union Pacific Railroad Company (UPRR) for installation of sewer improvements located within the UPRR right-of-way between Sunset Road and Wetmore Road (Folder #3190-03), the downstream manhole at Walzem and IH-35 (Folder #3217-65), crossing UPRR right-of-way at S. Presa and VFW Boulevard (Folder #3209-09) and crossing UPRR right-of-way at Emil Street and IH-10 (Folder #3217-76). Contractor shall comply with all requirements of the executed agreements between SAWS and UPRR, including but not limited to insurance requirements, settlement monitoring (per Special Specification 5000), and on-site observation and/or inspection through UPRR authorized representatives name in the agreement during all construction and installation work. Copies of the railroad agreements are provided as an attachment to the Special Conditions.

Per the Union Pacific Railroad agreements, the Contractor is required to have On-Site Observation of Construction while working on the sanitary sewer within or crossing UPRR right-of-way. The Contractor shall contact the following RailPros contacts and provide them with the required Work Plan Form, Observation Agreement, and all other forms required prior to construction:

- Jason Murray, Director (jason.murray@railpros.com or 248-974-3362) for any questions.
- Bao Doan, Review Engineer (bao.doan@railpros.com or 346-719-7035) for Work Plan questions.
- Marianne O'Bagy, Project Manager (marianne.obagy@railpros.com or 801-815-2884) for Construction Observation requirement questions.

The contractor shall follow UPRR agreement permit requirements and there will be no separate pay item for coordinating with UPRR. SAWS will reimburse the Contractor at-cost per a provided invoice for the required UPRR/RailPros flaggers from the included allowance provided in the contract documents.

As part of the executed agreements, the following forms and/or items will need to be completed by the Contractor with UPRR/RailPros prior to beginning work on each permitted section:

- Complete the Project and Billing Form (to be provided) and email to utilities.office.staff@railpros.com and the Observer Agreement and Flagger Quote and Services Agreement will be sent for processing.
- Email the UPRR representative (contact info found in the fully executed UPRR Agreement for each location) to inform them of construction in their region. Include the fully executed agreement in the email.
- Complete the Work Plan Form (to be provided) and submit to utilities.office.staff@railpros.com.
- Email the UP Manager Signal Maintenance (contact info found in the fully executed UPRR Agreement for each location) and give the depth of the casing, the MP and Subdivision given in the Exhibit A of the executed UPRR Agreement, so they can locate the UPRR Signal Cables. Ask them to reply to your email with any instructions.
- Call 1-800-336-9193 to generate an active ticket or to renew an existing ticket to locate all UPRR telecommunication cables. Forward the CBUD Ticket to utilities.office.staff@railpros.com. Each contractor digging or drilling on the UPRR property must be named on the ticket.

Also, please make sure to review the UPRR PPE Requirements at the following location:

https://www.up.com/cs/groups/public/@uprr/@suppliers/documents/up_pdf_natedocuments/pdf_up_supplier_safety_req.pdf

For the Maintenance Agreement for Walzem and IH-35, the Contractor will be responsible for completing the Maintenance Agreement (Folder 3217-65) and paying the applicable permit fees. The permit fee will not be reimbursable and will not be paid for separately and should be considered subsidiary to the work at Walzem and IH-35

The UPRR permits for this project are:

Permit Location	Permit Type	Folder #	Status	Expiration Date
UPRR ROW Main and W Sunset Rd.	Encroachment	03190-03	Acquired by SAWS	October 13, 2022
S. Presa	Crossing	03209-09	Acquired by SAWS	September 28, 2022
Walzem Rd.	Maintenance Agreement	03217-65	To be completed by Contractor	TBD
Emil St.	Crossing	03217-76	Acquired by SAWS	September 28, 2022

All fully executed permits received to date by SAWS are attached at the end of the contract documents and have all permits have already been extended by one year with the expiration dates provided above.

SAWS and the Engineer will work to get a one-year additional extension for each location prior to the above Expiration Date.

If for any reason a permit extension or new permit is needed due to a delay created by the Contractor, the Contractor shall pay the permit extension fee or new permit fee at no cost to SAWS or the Engineer.

SC4. TXDOT

The CONTRACTOR shall notify the SAWS Inspector and the Engineer of Record of anticipated work within TXDOT right-of-way at least one (1) month prior to any work within that TXDOT right-of-way. The CONTRACTOR must comply with the approved TXDOT permit for each location.

SC5. COSA RIGHT-OF-WAY

Portions of the project lie within the City of San Antonio Right-Of-Way and require a permit from the City. The Contractor is responsible for obtaining the permit and paying the applicable fees before starting work at each applicable location, which includes: Wetmore Rd., Sunset Rd., S. Presa, VFW Blvd., Riverside Rd., and Emil St. (west of UPRR ROW). The permit work to obtain the permit and the permit fees will not be reimbursed or paid for separately, but will be considered subsidiary to the work for each location.

The pavement and concrete curb, driveway and/or sidewalk replacement in the plans is based on current conditions at the time of design and the City of San Antonio (COSA) Right-Of-Way Inspector may require additional pavement or concrete work. If the additional work is based on the Contractor damaging the pavement or concrete curb, driveway and/or sidewalks in the area, the additional work to comply with the permit will not be paid for separately and will be at the Contractor's cost. If additional work is based on a revision to the Pavement Condition Index or Inspector's decision and the work requested was not due to damage caused by the Contractor, SAWS will review the requested items from the City and allow a change order based on approved bid items.

SC6. SUGGESTED ACCESSIBLE ROUTES

The Suggested Accessible Route shown within the plans for the UPRR ROW Main section and Sunset Road section denotes the route suggested to be used to access all manholes and sewer segments to be improved along and within the UPRR right-of-way. The Suggested Accessible Route can be accessed from Sunset Road or from the approved Construction Right-of-Entry for 8526 Vidor Avenue.

The CONTRACTOR shall clear shrubs and brush along the Suggested Accessible Route and, if needed due to sloped, unstable, or uneven ground, provide a temporary drivable service to access each sewer improvement along and within the UPRR right-of-way. Both the clearing of brush and any temporary drivable surface (flexible base, steel plates, etc.) installed for access, if needed will not be paid for separately and will be considered subsidiary to Item 101 "Preparing Right-of-Way." Any temporary drivable surface used will need to completely removed upon completion of the UPRR ROW Main section of the project, unless directed by UPRR and SAWS that the temporary surface may remain.

Any temporary drivable surface used within UPRR Right-of-Way cannot be placed within twenty (20) feet of the active Union Pacific Railroad tracks.

SC7. EPIC CONSOLIDATED GAS MAIN

At the intersection of Emil Street and the IH-10 turnaround, EPIC Consolidated has a 4" natural gas main running parallel to the Union Pacific Railroad tracks and the IH-10 turnaround under the western curb of the IH-10 turnaround. EPIC Consolidated has adjusted the gas main below the proposed sewer main as shown on Sheet S53 of the plans. Based on coordination with EPIC Consolidated, the existing main does not currently carry any product, but will need to be protected during construction. Please contact Dustin Overstreet, (830) 879-5795, at least 48 hours before beginning the bore under the Union Pacific Railroad tracks to inform EPIC Consolidated that construction has begun and coordinate on if an EPIC Consolidated inspector will be required.

This coordination will not be paid for separately but will be considered subsidiary to the work in the area.

SC8. POLE BRACING

The CONTRACTOR shall coordinate and pay for the bracing of utility poles with CPS Energy. There will be no separate pay item for coordinating with CPS Energy. SAWS will reimburse the Contractor at-cost per a provided invoice for the required CPS Pole Bracing from the included allowance provided in the contract document.

SC9. SPECIFICATIONS

All work performed shall be in accordance with the Contract Documents and the San Antonio Water System Specifications for Water and Sanitary Sewer Construction (February 2017), these Special Conditions, the current Texas Department of Transportation Standard Specification for Construction of Highways, Streets, and Bridges, the current City of San Antonio Standard Specifications for Public Work Construction, City of San Antonio Utility Excavation Criterial Manual, or specifications and requirements of any other governing jurisdiction that may apply.

SC10. CPS ENERGY GAS MAIN

The CONTRACTOR shall be aware that there are locations where open cut sanitary sewer work will cross a 24" CPS Energy Gas Mains. The CONTRACTOR may not use mechanical digging equipment to dig within 5' of the gas main and may only dig using hydro-excavation equipment or hand digging. Also before digging within 5' of the 24" gas main, the CONTRACTOR shall contact the CPS Energy Locate Office at (210) 353-3575 to have an NRI Inspector on-site to monitor digging within 5' of the 24" gas main.

SC11. PAYMENT

- A. As specified in the Contract Documents unit price cost for the items bid shall include all the necessary and incidental work as subsidiary to the bid item, unless specifically called out in the plans or approved by SAWS. Pay items indicating no separate or additional pay for incidental, related, associated or other work will take precedence if in conflict with other pay provisions. If no pay item is included for any stipulated item, it will be considered as subsidiary to other pay items.

- B. The Tree Preservation Protection Permit(s) are obtained by the Engineer during final design. The contractor shall follow permit requirements and there will be no measurement or payment associated with the Tree Permit or associated tree protection and/or pruning required by the approved Tree Permit and shown in the plans, unless otherwise noted. All trees within the work zone shall be protected using appropriate City of San Antonio approved tree protection and shall be considered subsidiary to Item 101 – Preparing Right-of-Way.

- C. There will be no separate payment for temporary fencing, with all related costs included in the item to which it pertains. Clearing and grubbing or tree pruning will be paid under Item 101 – Preparing Right-of-Way, as noted in the contract documents.

SC12. PHASING

The CONTRACTOR shall construct the UPRR ROW Main site first, followed by Sunset, Emil, Walzem and S. Presa sites. Two sites can be worked on at a time.

SC13. RIGHT-OF-ENTRIES TO CONSTRUCT AND CONSTRUCTION EASEMENTS

SAWS will provide all executed Right-of-Entries to Construct (ROEC) and Temporary Construction Easements (TCE) to the CONTRACTOR after the Notice to Proceed (NTP) for construction has been issued. The following is a list of all Right-of-Entries to Construct either obtained or being obtained by SAWS along with the deadline for each location to complete all work, including restoration

UPRR ROW Main

Address	Deadline Date	Type
8526 Vidor Ave.	6/30/2023	ROEC
1442 Park Ridge Dr.	6/30/2023	ROEC
8446 Country Village St.	Contract End Date	TCE

S. Presa

Address	Deadline Date	Type
1011 E. White Ave.	Contract End Date	TCE

SAWS is in the process of obtaining Right-of-Entry to Construct (RoEC) or Temporary Construction Easement (TCE) for access and/or use of the following Site(s): S. Presa. Completion of this agreement is anticipated on or before August 31, 2023. As these contract documents are notifying the CONTRACTOR of this scheduling consideration, the CONTRACTOR shall be required to complete all work by the deadlines provided for each site in compliance with Right-of-Entry documents and other relevant aspects of these contract documents with all work being completed prior to the contract end date based on the original duration provided in these contract documents.

In the event that the access agreement for S. Presa is not executed by August 31, 2023, then the work associated with the site(s) in question may, at the OWNER's discretion, be removed from the project via change order. Alternatively, at the OWNER's discretion, a time extension may be issued in which the CONTRACTOR is granted additional days to perform work at the affected site(s) based on the time allotted to those sites in the baseline schedule. If the OWNER elects this latter option and all sites are entirely complete except for the S. Presa site, then the OWNER will compensate the CONTRACTOR for said delay by means of Special Specification 102 "Intermediate Demobilization and Remobilization" contained in these construction documents.

SC14. SANITARY SEWER MANHOLES

APM Permacast MS-10,000 with ConShield coating will not be allowed.

SC15. CONSENT DECREE NOTICE PROVISION

The San Antonio Water System ("SAWS"), the United States of America and the State of Texas have entered into a Consent Decree in Civil Action No. 5:13-cv-00666- DAE, United States of America and State of Texas v. San Antonio Water System, in the United States District Court for the Western District of Texas, San Antonio Division (the "Consent Decree"). A copy of the Consent Decree is available at

<http://www.saws.org/Infrastructure/EPA/download.cfm>

Work performed pursuant to this contract is work that SAWS is required to perform pursuant to the terms of the Consent Decree. In the event of any conflict between the terms and provisions of this Consent Decree Notice Provision and any other terms and provisions of this Contract or the Contract Documents, the terms and provisions of this Consent Decree Notice Provision shall prevail.

A. Retention of documents.

Contractor shall retain and preserve all non-identical copies of all documents, reports, research, analytical or other data, records or other information of any kind or character (including documents, records, or other information in electronic form including, but not limited to e-mails) in its or its sub-contractors' or agents' possession or control, or that come into its or its sub-contractors' or agents' possession or control, and that relate in any manner to this contract, or the performance of any work described in this contract (the "Information"). This retention requirement shall apply regardless of any contrary corporate or institutional policy or procedure or legal requirement. Contractor, Contractor's sub-contractors and agents shall retain and shall not destroy any of the Information until such time as Contractor has received written approval from the General Counsel of SAWS that the Information or any part of the Information may be destroyed. Contractor shall, within 30 days after receipt of a written request by SAWS, deliver the Information to SAWS. Contractor shall instruct and require its agents and sub-contractors performing any part of the work described in this contract to comply with the requirements of this paragraph.

B. Notification of events that may cause delay.

If any event occurs that may delay performance by Contractor, or Contractor's agents or sub-contractors of any work or obligation of any kind under this contract, Contractor shall provide notice in accordance with the Notice Provisions of this contract to SAWS within two (2) business days of the date Contractor or Contractor's agents or sub-contractors first knew that the event might cause a delay. Contractor shall provide a written explanation and description of the reasons for the delay, the anticipated duration of the delay, all actions taken or to be taken to prevent or minimize the delay, and a schedule for implementation of any measures to be taken to prevent or mitigate the delay or the effect of the delay. **TIME IS OF THE ESSENCE** in the performance of the requirements of this paragraph and of any work to be performed by the Contractor in this contract.

C. Liability for stipulated penalties.

The Consent Decree provides that the United States of America, the United States Environmental Protection Agency and the State of Texas may assess stipulated penalties against SAWS upon the occurrence of certain events. To the extent that Contractor or Contractor's agents or sub-contractors cause or contribute to, in whole or in part, the assessment of any stipulated penalty against SAWS, Contractor agrees that it shall pay to SAWS the full amount of any stipulated penalty assessed against and paid by SAWS that is caused or contributed to in whole or in part by any action, failure to act, or failure to act within the time required by any provision of this contract. Contractor shall also pay to SAWS all costs, attorney fees, expert witness fees and all other fees and expenses incurred by SAWS in connection with the assessment or payment of any such stipulated penalties, or in contesting the assessment or payment of any such stipulated penalties. In addition to any and all other remedies to which SAWS may be entitled at law or in equity, Contractor expressly authorizes SAWS to withhold all amounts assessed and paid as stipulated penalties, and all associated costs, fees, or expenses from any amount unpaid to Contractor under the terms of this contract, or from any retainage provided in the contract.

"General Decision Number: TX20220231 07/08/2022

Superseded General Decision Number: TX20210231

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: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	. Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$15.00 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 2022.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	. Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$11.25 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	02/18/2022

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2 02/25/2022
 3 04/15/2022
 4 06/17/2022
 5 07/08/2022

ASBE0087-014 06/07/2021

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR (Duct, Pipe and Mechanical System Insulation)....	\$ 25.22	10.17

BOIL0074-003 01/01/2021

	Rates	Fringes
BOILERMAKER.....	\$ 29.47	24.10

* ELEC0060-003 06/01/2022

	Rates	Fringes
ELECTRICIAN (Communication Technician Only).....	\$ 31.95	15%+6.41

* ELEC0060-004 06/01/2022

	Rates	Fringes
ELECTRICIAN (Excludes Low Voltage Wiring).....	\$ 31.95	15%+6.41

ELEV0081-001 01/01/2022

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 44.80	36.885+a+b

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 06/01/2022

	Rates	Fringes
IRONWORKER, STRUCTURAL.....	\$ 25.25	7.28

IRON0084-011 06/01/2021

Rates Fringes

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IRONWORKER, ORNAMENTAL.....\$ 26.01 7.56

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	13.76
PLUMBER (Excludes HVAC Pipe Installation).....	\$ 31.90	13.76
Excludes HVAC Pipe Installation		

 SFTX0669-002 04/01/2021

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 31.68	22.50

 SHEE0067-004 04/01/2022

	Rates	Fringes
Sheet metal worker Excludes HVAC Duct Installation.....	\$ 27.89	16.25
HVAC Duct Installation Only.....	\$ 27.89	16.25

 * 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.....	\$ 16.86	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

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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.....	\$ 14.50 **	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
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 16.03	0.00
OPERATOR: Roller.....	\$ 12.00 **	0.00
PAINTER (Brush, Roller and Spray), Excludes Drywall Finishing/Taping.....	\$ 13.07 **	0.00
ROOFER.....	\$ 12.00 **	0.00
TILE FINISHER.....	\$ 11.32 **	0.00
TILE SETTER.....	\$ 14.94 **	0.00
TRUCK DRIVER: Dump Truck.....	\$ 12.39 **	1.18
TRUCK DRIVER: Flatbed Truck.....	\$ 19.65	8.57
TRUCK DRIVER: Semi-Trailer Truck.....	\$ 12.50 **	0.00
TRUCK DRIVER: Water Truck.....	\$ 12.00 **	4.11

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

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$15.00) or 13658

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(\$11.25). Please see the Note at the top of the wage determination for more information.

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 <https://www.dol.gov/agencies/whd/government-contracts>.

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)).

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

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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.

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 National Office because National Office has 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

UPDATED PER ADDENDUM #1

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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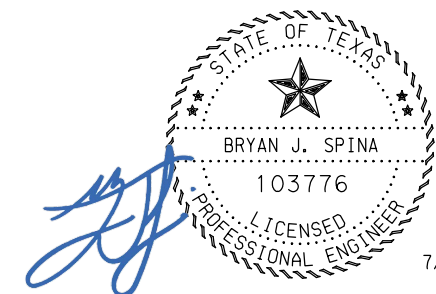
END OF GENERAL DECISIO"

TRAFFIC CONTROL NOTES

1. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SEE THAT ALL TRAFFIC CONTROL DEVICES ARE PROPERLY INSTALLED AND MAINTAINED AT THE JOB SITE IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND RELATED INDUSTRY STANDARDS AND REGULATIONS. THESE NOTES, DO NOT, IN AND OF THEMSELVES, CONSTITUTE A TRAFFIC CONTROL PLAN. IN THE EVENT THAT THESE PLANS DO NOT INCLUDE TRAFFIC CONTROL, OR THAT THE CONTRACTOR WISHES TO VARY FROM TRAFFIC CONTROL INCLUDED WITH THESE PLANS, HE SHALL SUBMIT FOR REVIEW A TRAFFIC CONTROL PLAN SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF TEXAS, INCLUDING A SIGN AND BARRICADE PLAN CONFORMING TO THE REQUIREMENTS OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CITY'S CONSTRUCTION OBSERVER /INSPECTOR (COI) AND THE TRAFFIC ENGINEERING REPRESENTATIVE WILL ONLY BE RESPONSIBLE TO INSPECT THE TRAFFIC CONTROL DEVICES BEING DEPLOYED. IF, IN THE OPINION OF THE TRAFFIC ENGINEERING REPRESENTATIVE AND THE COI, THE TRAFFIC CONTROL DEVICES DO NOT CONFORM TO ESTABLISHED STANDARDS OR ARE INCORRECTLY PLACED OR ARE INSUFFICIENT IN QUANTITY TO PROTECT THE GENERAL PUBLIC, THE COI SHALL HAVE THE OPTION TO STOP CONSTRUCTION OPERATIONS AT NO EXPENSE TO THE CITY UNTIL SUCH TIME AS THE CONDITIONS ARE CORRECTED BY THE CONTRACTOR.
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5. AS WORK PROGRESSES, LOCATION OF TEMPORARY TRAFFIC CONTROL DEVICES WILL BE ADJUSTED AND MODIFIED, AS NECESSARY BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
6. IF THE NEED ARISES, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES, SPECIAL DIRECTIONAL DEVICES, AND/OR BUSINESS NAME SIGNS MAY BE ORDERED BY THE TRAFFIC ENGINEERING REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
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8. THE CONTRACTOR MUST MAINTAIN ALL STREETS WITHIN PROJECT LIMITS OPEN TO THROUGH TRAFFIC BY REPAIRING TRENCHES, POTHOLES, LEVELING UP WITH ASPHALT, ETC. AT NO DIRECT PAYMENT, WITH THE COST TO BE INCLUDED IN OTHER ITEMS.
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10. THE CONTRACTOR SHALL PROVIDE ACCESS FOR DELIVERY OF MAIL BY THE U.S. POSTAL SERVICE.
11. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO RESIDENCES AND ALL BUSINESSES AT ALL TIMES WITHIN ALL THE PHASES OF THE WORK.
12. WHEN CONSTRUCTION WORK NECESSITATES THE UTILIZATION OF VEHICLE PATHS OTHER THAN THE LANES NORMALLY USED, TRAFFIC CONTROL MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED AND APPROVED TEMPORARY PAVEMENT MARKINGS AND SIGNS INSTALLED IN ACCORDANCE WITH PART VI-D OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. AFTER CONSTRUCTION IS COMPLETED AND TRAFFIC IS REROUTED BACK TO THE ORIGINAL LANES, THE TRAFFIC CONTROL MARKINGS AND/OR RAISED BUTTONS THAT WERE ORIGINALLY REMOVED FROM THE EXISTING PAVEMENT MUST BE REPLACED. IN ADDITION, TEMPORARY MARKINGS MUST BE REMOVED. ALL OF THIS IS TO BE DONE AT NO DIRECT PAYMENT; COST SHOULD BE INCLUDED IN OTHER ITEMS.
13. PERMANENT PAVEMENT MARKINGS SHALL BE APPLIED PRIOR TO THE OPENING OF THE COMPLETED STREET TO TRAFFIC. TEMPORARY ADDITIONAL SHORT-TERM EXPENDABLE PAVEMENT MARKINGS MAY BE PROVIDED PRIOR TO THE APPLICATION OF PERMANENT MARKINGS IN MINIMUM LENGTHS OF 36", OR RAISED PAVEMENT MARKINGS TO DELINEATE CONTINUITY UNTIL SUCH TIME AS STANDARD PAVEMENT MARKINGS IN NORMAL LENGTHS CAN BE PLACED AT NO DIRECT PAYMENT.
14. ALL TEMPORARY TRAFFIC CONTROL DEVICES, ETC. SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT DIRECT PAYMENT, UNLESS OTHERWISE NOTED OR STATED.
15. THE COI WILL MONITOR THE CONTRACTOR'S TRAFFIC CONTROL DEVICES AND WILL BE RESPONSIBLE TO FURNISH ALL RESIDENTS AND BUSINESSES WITH AN INFORMATION FLYER ON ALL JOBS DURING CONSTRUCTION.
16. ANY DAMAGE TO PERMANENT TRAFFIC SIGNALS, THE CONTROLLER BOX, LOOPS OR CONDUITS DURING OR UPON COMPLETION OF THE PROJECT SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE DECISION TO REPAIR, AS OPPOSED TO REPLACE, THE DAMAGED EQUIPMENT SHALL BE MADE BY THE CITY'S TRAFFIC ENGINEER.
17. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL STREETS OUTSIDE OF THE PROJECT LIMITS WHICH ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES. THE REPLACED SECTION MUST BE APPROVED BY THE CITY'S STREET ENGINEER. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK. THE COST IS TO BE INCLUDED IN OTHER ITEMS.
18. OFF-DUTY POLICE OFFICERS WILL BE REQUIRED AS DIRECTED BY THE TRAFFIC ENGINEER AT NO DIRECT PAYMENT, COST TO BE INCLUDED IN OTHER BID ITEMS. THIS WILL BE A REQUIREMENT WHERE TWO-WAY TRAFFIC IS TO BE MAINTAINED.
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CONSTRUCTION PHASING

1. THE LOCATIONS SHALL BE CONSTRUCTED IN THE FOLLOWING ORDER: UPRR ROW MAIN, SUNSET, EMIL, WALZEM, S. PRESA. TWO SITES SHOULD BE WORKED ON AT A TIME AND ALL WORK SHALL BE FORM DOWNSTREAM TO UPSTREAM, UNLESS DIRECTED OTHERWISE. S. PRESA SITE REQUIRES A TEMPORARY CONSTRUCTION EASEMENT BEFORE WORK MAY BEGIN ON THE SITE. SAWS WILL PROVIDE EASEMENT ONCE ACQUIRED.
2. FOLLOW THE SEPARATE TRAFFIC CONTROL PLAN OR APPLICABLE STANDARDS FOR EACH SECTION AS LISTED BELOW:
 - A. UPRR ROW MAIN: MAJORITY OF WORK IS NOT WITHIN STREET ROW EXCEPT FOR THE SECTION AT WETMORE AND THE UPSTREAM MANHOLE FOR UPRR CROSSING 1 AT WALDO AND EMPIRE.
 - 1) FOR THE WETMORE SECTION CLOSE DOWN THE CURB RETURN AREA USING THE WETMORE TCP LAYOUT ON SHEET S13 AND APPLICABLE TXDOT BC & TCP STANDARDS.
 - 2) FOR UPRR CROSSING 1, USE APPLICABLE TXDOT BC, WZ, & TCP STANDARDS TO CLOSE DOWN THE INTERSECTION.
 - 3) FOR THE REMAINDER OF THE UPRR ROW MAIN SECTION, COORDINATE WITH UPRR TO PROVIDE REQUIRED FLAGMEN AND CONSTRUCTION OBSERVATION.



7/12/2022

LNV TBPE FIRM NO. F-366
TBPLS FIRM NO. 10126502

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PACKAGE 8 - SMALL DIAMETER UNDER MAJOR HIGHWAYS

UPRR ROW MAIN TRAFFIC CONTROL NOTES AND PHASING

SCALE : NTS

SAWS PROJECT NO. 18-4521			DATE: 7/12/2022
MAP No.			
SECT. NO.			S8
DRAWN BY:	DSGN BY:	CHKD BY:	

▲ REVISED BY ADDENDUM #1

7/12/2022 Plotted by: avicung S:\Projects\SAWS\170204 Pipelines Eng Services Cond\010 8 Small Diameter Under Highways\20-Drawings\170204010*TCP*NTS*ROW*MAIN.dgn

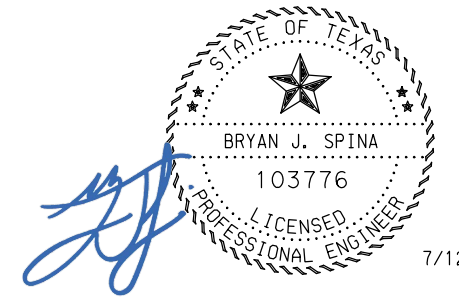
TRAFFIC CONTROL NOTES

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2. FOLLOW THE SEPARATE TRAFFIC CONTROL PLAN OR APPLICABLE STANDARDS FOR EACH SECTION AS LISTED BELOW:
 - A. SUNSET: USE THE SUNSET TCP LAYOUT ON SHEET S29-S30 AND APPLICABLE TXDOT BC, WZ, & TCP STANDARDS TO CLOSE STREET AT IMPROVEMENTS. CONDUCT WORK OVER NIGHT OR DAY AS APPROVED BY COSA.

7/12/2022 Plotted by: avicung S:\Projects\SAWS\170204 Pipelines Eng Services Cond\010 8 Small Diameter Under Highways\20-Drawings\Plan\170204010*TCP*NTS*WSUNSET.dgn



LNV TBPE FIRM NO. F-366
TBPLS FIRM NO. 10126502

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SAN ANTONIO WATER SYSTEM

PACKAGE 8 - SMALL DIAMETER UNDER MAJOR HIGHWAYS

W SUNSET BLVD TRAFFIC CONTROL NOTES AND PHASING

SCALE : NTS

SAWS PROJECT NO. 18-4521		DATE: 7/12/2022
MAP No.		
SECT. NO.		S28
DRAWN BY:	DSGN BY:	CHKD BY:

▲ REVISED BY ADDENDUM #1

TRAFFIC CONTROL NOTES

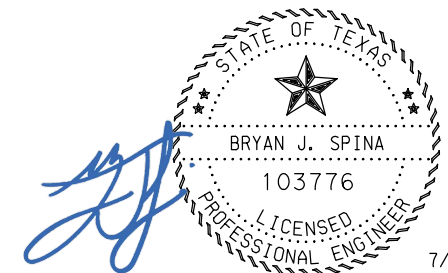
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9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUITABLE ACCESS ACCOMMODATIONS FOR SCHOOL CHILDREN AND PEDESTRIANS.
10. THE CONTRACTOR SHALL PROVIDE ACCESS FOR DELIVERY OF MAIL BY THE U.S. POSTAL SERVICE.
11. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO RESIDENCES AND ALL BUSINESSES AT ALL TIMES WITHIN ALL THE PHASES OF THE WORK.
12. WHEN CONSTRUCTION WORK NECESSITATES THE UTILIZATION OF VEHICLE PATHS OTHER THAN THE LANES NORMALLY USED, TRAFFIC CONTROL MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED AND APPROVED TEMPORARY PAVEMENT MARKINGS AND SIGNS INSTALLED IN ACCORDANCE WITH PART VI-D OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. AFTER CONSTRUCTION IS COMPLETED AND TRAFFIC IS REROUTED BACK TO THE ORIGINAL LANES, THE TRAFFIC CONTROL MARKINGS AND/OR RAISED BUTTONS THAT WERE ORIGINALLY REMOVED FROM THE EXISTING PAVEMENT MUST BE REPLACED. IN ADDITION, TEMPORARY MARKINGS MUST BE REMOVED. ALL OF THIS IS TO BE DONE AT NO DIRECT PAYMENT; COST SHOULD BE INCLUDED IN OTHER ITEMS.
13. PERMANENT PAVEMENT MARKINGS SHALL BE APPLIED PRIOR TO THE OPENING OF THE COMPLETED STREET TO TRAFFIC. TEMPORARY ADDITIONAL SHORT-TERM EXPENDABLE PAVEMENT MARKINGS MAY BE PROVIDED PRIOR TO THE APPLICATION OF PERMANENT MARKINGS IN MINIMUM LENGTHS OF 36", OR RAISED PAVEMENT MARKINGS TO DELINEATE CONTINUITY UNTIL SUCH TIME AS STANDARD PAVEMENT MARKINGS IN NORMAL LENGTHS CAN BE PLACED AT NO DIRECT PAYMENT.
14. ALL TEMPORARY TRAFFIC CONTROL DEVICES, ETC. SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT DIRECT PAYMENT, UNLESS OTHERWISE NOTED OR STATED.
15. THE COI WILL MONITOR THE CONTRACTOR'S TRAFFIC CONTROL DEVICES AND WILL BE RESPONSIBLE TO FURNISH ALL RESIDENTS AND BUSINESSES WITH AN INFORMATION FLYER ON ALL JOBS DURING CONSTRUCTION.
16. ANY DAMAGE TO PERMANENT TRAFFIC SIGNALS, THE CONTROLLER BOX, LOOPS OR CONDUITS DURING OR UPON COMPLETION OF THE PROJECT SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE DECISION TO REPAIR, AS OPPOSED TO REPLACE, THE DAMAGED EQUIPMENT SHALL BE MADE BY THE CITY'S TRAFFIC ENGINEER.
17. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL STREETS OUTSIDE OF THE PROJECT LIMITS WHICH ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES. THE REPLACED SECTION MUST BE APPROVED BY THE CITY'S STREET ENGINEER. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK. THE COST IS TO BE INCLUDED IN OTHER ITEMS.
18. OFF-DUTY POLICE OFFICERS WILL BE REQUIRED AS DIRECTED BY THE TRAFFIC ENGINEER AT NO DIRECT PAYMENT, COST TO BE INCLUDED IN OTHER BID ITEMS. THIS WILL BE A REQUIREMENT WHERE TWO-WAY TRAFFIC IS TO BE MAINTAINED.
19. THE CONTRACTOR SHALL PROVIDE THE CITY AN EMERGENCY TELEPHONE NUMBER FOR EVENINGS, WEEKENDS, AND HOLIDAYS BY THE FIRST WORKING DAY OF THE PROJECT. THIS TELEPHONE NUMBER MUST BE A COMMERCIAL ANSWERING SERVICE. THE ANSWERING SERVICE MUST BE ABLE TO CONTACT THE CONTRACTOR AND HAVE THE CONTRACTOR RESPOND TO THE CITY STAFF WITHIN TWO HOURS OF THE INITIAL CONTACT.
20. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS TO ALL INTERSECTING STREETS UNLESS OTHERWISE SHOWN ON THESE PLANS. WHEN CONTINUOUS ACCESS IS SCHEDULED TO BE BLOCKED, THE CONTRACTOR SHALL CONTACT THE DISPATCHERS FOR THE FIRE DEPARTMENT AND EMS AT (210) 227-8341 AND THE POLICE DEPARTMENT AT (210) 207-2257, TO APPRISE THEM OF THE PENDING STREET CLOSURE AT LEAST FORTY-EIGHT HOURS IN ADVANCE. IF THE CLOSURE FALLS ALONG A BUS ROUTE, THE CONTRACTOR SHALL ALSO CONTACT VIA AT (210) 362-5220.
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22. REMOVAL OF PAVEMENT MARKINGS ARE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
23. ALL OPEN TRENCHES AND PITS SHALL BE BACKFILLED AND PLATED BEFORE THE CONTRACTOR CAN LEAVE AN AREA. NO TRENCHES AND/OR PITS SHALL BE LEFT UNBACKFILLED AND PLATED OVERNIGHT AND/OR DURING NON-WORK HOURS.

CONSTRUCTION PHASING

1. THE LOCATIONS SHALL BE CONSTRUCTED IN THE FOLLOWING ORDER:
UPRR ROW MAIN, SUNSET, EMIL, WALZEM, S. PRESA. TWO SITES SHOULD BE WORKED ON AT A TIME AND ALL WORK SHALL BE FROM DOWNSTREAM TO UPSTREAM, UNLESS DIRECTED OTHERWISE. S. PRESA SITE REQUIRES A TEMPORARY CONSTRUCTION EASEMENT BEFORE WORK MAY BEGIN ON THE SITE. SAWS WILL PROVIDE EASEMENT ONCE ACQUIRED.
2. SOUTH PRESA: WORK SHALL BE COMPLETED IN TWO PHASES.

PHASE 1 - CONSTRUCT SEWER MAIN FROM STA 51+55.00 TO STA 53+40.00 USING OPEN CUT AND BORING CASING UNDER S. PRESA AND THE UPRR TRACKS. USE VFW BLVD. PHASE 1 TRAFFIC CONTROL LAYOUT, VFW BLVD. PHASE 1 DETOUR LAYOUT AND APPLICABLE TXDOT BC, WZ & TCP STANDARDS TO CLOSE VFW BLVD. BETWEEN RIVERSIDE DR. AND S. PRESA AND THE OUTSIDE NORTHBOUND LANE ON S. PRESA.

PHASE 2 - CONSTRUCT SEWER MAIN FROM STA 50+00.00 TO STA 51+55.00, STA 53+40.00 TO STA 54+25.24, AND STA 0+00.00 TO STA 0+87.07. USE VFW BLVD. PHASE 1 TRAFFIC CONTROL LAYOUT TO CLOSE DOWN THE OUTSIDE NORTHBOUND LANE OR S. PRESA AND VFW BLVD. PHASE 2 TRAFFIC CONTROL LAYOUT, VFW BLVD. PHASE 2 DETOUR LAYOUT AND APPLICABLE TXDOT BC, WZ & TCP STANDARDS TO CLOSE DOWN VFW BLVD. FROM RIVERSIDE DR. TO S. PRESA AND THE VFW BLVD. & S. PRESA INTERSECTION.



LNV TBPE FIRM NO. F-366
TBPLS FIRM NO. 10126502

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PACKAGE 8 - SMALL DIAMETER UNDER MAJOR HIGHWAYS

S PRESA TRAFFIC CONTROL NOTES AND PHASING

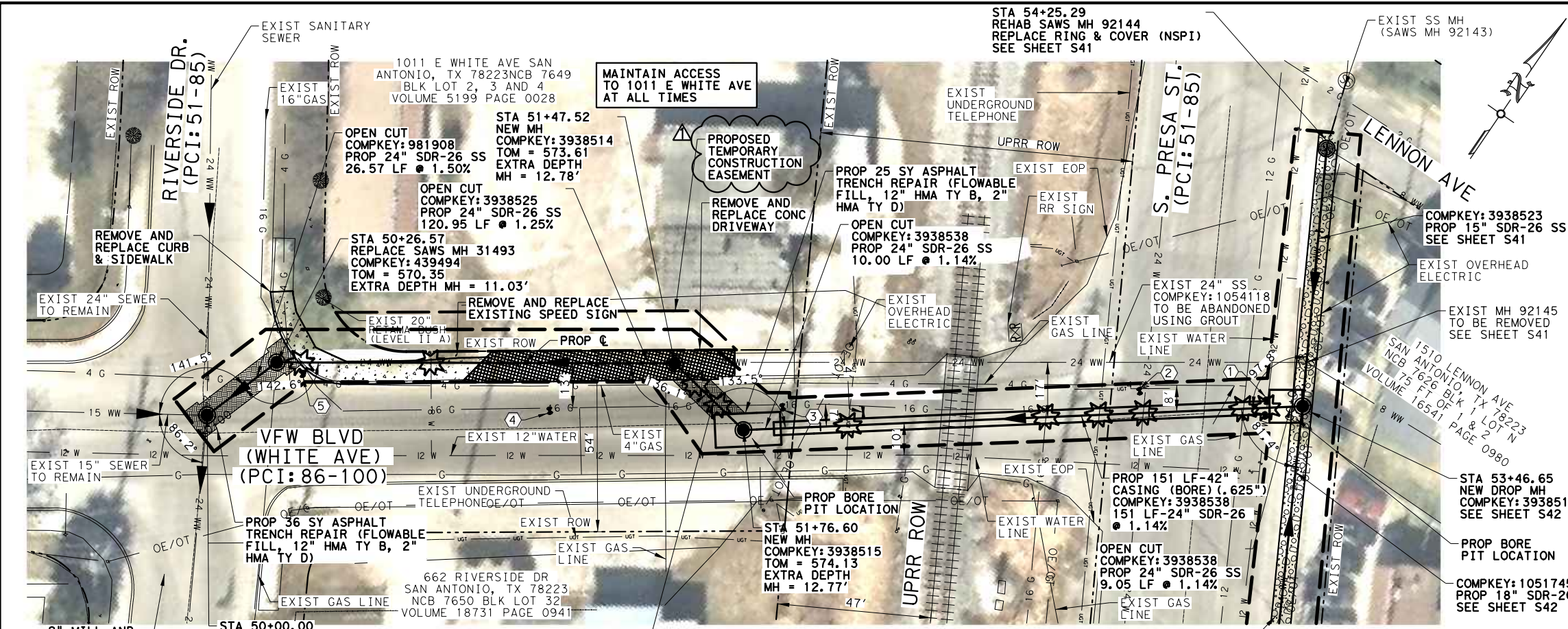
SCALE : NTS

SAWS PROJECT NO. 18-4521		DATE: 7/12/2022
MAP No.		
SECT. NO.		S34
DRAWN BY:	DSGN BY:	CHKD BY:

▲ REVISED BY ADDENDUM #1

7/12/2022 Plotted by: avicung S:\Projects\SAWS\170204 Pipelines Eng Services Cond\010 8 Small Diameter Under Highways\20-Drawings\Plans\Civil\170204010*TCP*NTS*SPRESA.dgn

7/12/2022 Plotted by: avicung S:\Projects\SAWS170204 Pipeline Eng Services Cond\010 & Small Diameter Under Highways\20-Drawings\170204010*P&P*SPRESA*01.dgn



ITEM NO.	ITEM	UNIT	QUANTITY
100.1	MOBILIZATION (S PRESA)	LS	1
101	PREPARATION OF RIGHT-OF-WAY (S PRESA)	LS	1
103.1	REMOVE CONCRETE CURB	LF	75
103.3	REMOVE CONCRETE SIDEWALK & DRIVEWAY	SF	1,245
203.1	TACK COAT	GAL	124
205.2	HOT MIX ASPHALTIC CONCRETE PAVEMENT (12" TYPE B)	SY	61
205.4	HOT MIX ASPHALTIC CONCRETE PAVEMENT (2" TYPE D)	SY	1,240
208.1	SALVAGING, HAULING & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2"	SY	1,240
413.1	FLOWABLE FILL	CY	300
500.1	CONCRETE CURB	LF	75
502.1	CONCRETE SIDEWALK	SY	60
503.1	PORTLAND CEMENT CONCRETE DRIVEWAY	SY	96
530	BARRICADES, SIGNS & TRAFFIC HANDLING (S PRESA)	LS	1
531	REMOVE AND REPLACE EXISTING SIGN	EA	1
550	TRENCH EXCAVATION SAFETY PROTECTION	LF	195.7
848	24" PVC SANITARY SEWER LINE (SDR-26), (ALL DEPTHS)	LF	195.7
852.1	SANITARY SEWER MANHOLE (0'-6')	EA	4
852.3	EXTRA DEPTH MANHOLE (>6')	VF	47.71
856.1	JACKING, BORING 42"	LF	151
856.2	SEWER MAIN (24" CARRIER PIPE)	LF	151
856.3	SEWER MAIN (42" CASING) (BORE)	LF	151
858	CONCRETE ENCASMENT, CRADLES, SADDLES & COLLARS	CY	5.00
862	ABANDONMENT OF SANITARY SEWER MAIN (8"-24") (GROUT FILL)	LF	192
864-S2	BYPASS PUMPING, LARGE DIAMETER SANITARY SEWER (S PRESA)	LS	1
866	PRE-CONSTRUCTION SANITARY SEWER MAIN TELEVISION INSPECTION (>15" MAIN)	LF	346.7
866	POST-CONSTRUCTION SANITARY SEWER MAIN TELEVISION INSPECTION (>15" MAIN)	LF	346.7

CONTRACTOR MUST USE FLOWABLE FILL FOR SECONDARY BACKFILL

CONTRACTOR TO EXPOSE ANY UTILITY CROSSING IF THE CROSSING SEPARATION DISTANCE IS LESS THAN TWO(2) PIPE DIAMETERS

CONTRACTOR TO AVOID UPRR DURING CONSTRUCTION

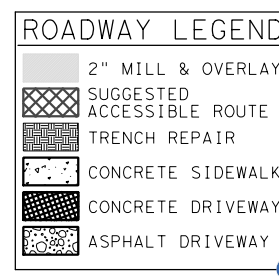
CPS ENERGY NOTES:
THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREAS.

WORK DONE NEAR SUPPLY GAS MAINS WILL NEED TO BE COORDINATED THROUGH AN NRI INSPECTOR. TO ENSURE NRI INSPECTION, PLEASE CALL 210-353-3575.

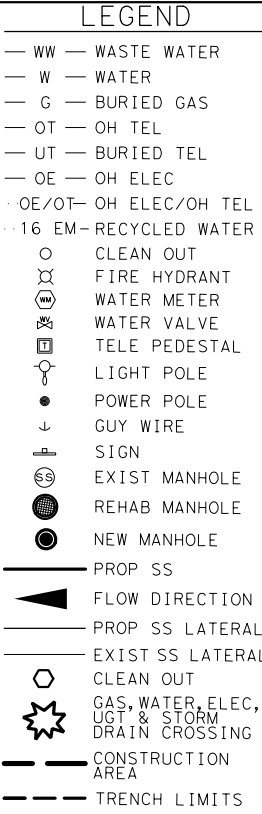
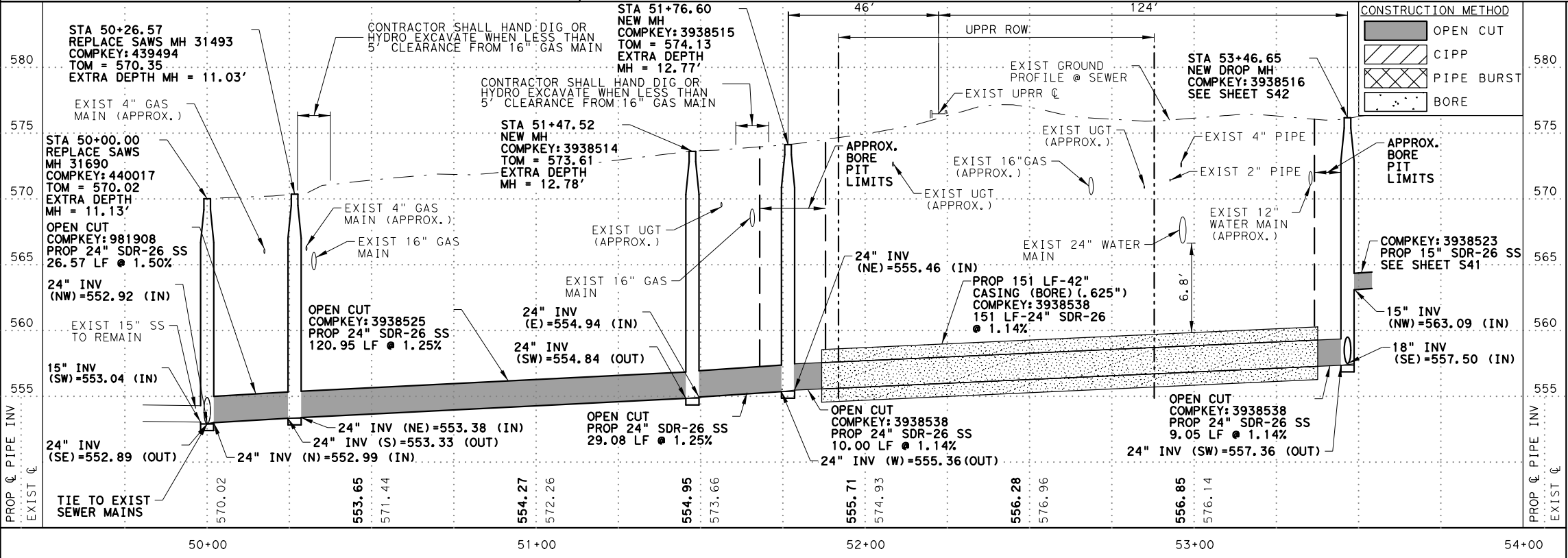
REVISOR: [Signature] DATE: 7/12/2022
REVISOR'S NAME: [Signature]
REVISOR'S TITLE: [Signature]
REVISOR'S LICENSE NO: 103776
REVISOR'S EXPIRES: 7/12/2022

TEST HOLE	UTILITY	TOP ELEVATION
1	12" DI WATER	UNKNOWN
2	24" CSC WATER	568.63
3	16" STEEL GAS	569.83
4	16" STEEL GAS	567.70
5	16" STEEL GAS	565.94

SUE TEST HOLE DATA TO BE PROVIDED UPON REQUEST. LEVEL B SUE WAS CONDUCTED BETWEEN RIVERSIDE DR. AND S. PRESA TO LOCATE ALL UTILITIES.



STATE OF TEXAS
 BRYAN J. SPINA
 103776
 LICENSED PROFESSIONAL ENGINEER
 7/12/2022



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 TBPLS FIRM NO. 10126502
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SAN ANTONIO WATER SYSTEM

PACKAGE 8 - SMALL DIAMETER UNDER MAJOR HIGHWAYS
SOUTH PRESA SEWER PLAN & PROFILE
STA 50+00 TO STA 53+46.65
SHEET 1 OF 3

HORIZ. SCALE: 1"=40'
 VERT. SCALE: 1"=10'

0 20 40 0 2 4 6 8 10
 SCALE IN FEET SCALE IN FEET

SAWS PROJECT NO. 18-4521
 MAP No. DATE: 7/12/2022
 SECT. NO. DRAWN BY: DSGN BY: CHKD BY: **S40**

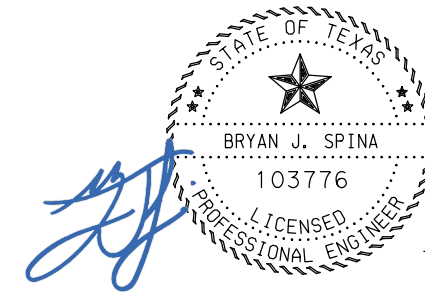
TRAFFIC CONTROL NOTES

1. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SEE THAT ALL TRAFFIC CONTROL DEVICES ARE PROPERLY INSTALLED AND MAINTAINED AT THE JOB SITE IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND RELATED INDUSTRY STANDARDS AND REGULATIONS. THESE NOTES, DO NOT, IN AND OF THEMSELVES, CONSTITUTE A TRAFFIC CONTROL PLAN. IN THE EVENT THAT THESE PLANS DO NOT INCLUDE TRAFFIC CONTROL, OR THAT THE CONTRACTOR WISHES TO VARY FROM TRAFFIC CONTROL INCLUDED WITH THESE PLANS, HE SHALL SUBMIT FOR REVIEW A TRAFFIC CONTROL PLAN SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF TEXAS, INCLUDING A SIGN AND BARRICADE PLAN CONFORMING TO THE REQUIREMENTS OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CITY'S CONSTRUCTION OBSERVER /INSPECTOR (COI) AND THE TRAFFIC ENGINEERING REPRESENTATIVE WILL ONLY BE RESPONSIBLE TO INSPECT THE TRAFFIC CONTROL DEVICES BEING DEPLOYED. IF, IN THE OPINION OF THE TRAFFIC ENGINEERING REPRESENTATIVE AND THE COI, THE TRAFFIC CONTROL DEVICES DO NOT CONFORM TO ESTABLISHED STANDARDS OR ARE INCORRECTLY PLACED OR ARE INSUFFICIENT IN QUANTITY TO PROTECT THE GENERAL PUBLIC, THE COI SHALL HAVE THE OPTION TO STOP CONSTRUCTION OPERATIONS AT NO EXPENSE TO THE CITY UNTIL SUCH TIME AS THE CONDITIONS ARE CORRECTED BY THE CONTRACTOR.
2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY OF SAN ANTONIO TRAFFIC OPERATIONS SECTION AT 207-7765 FOR A TRAFFIC SIGN AND TRAFFIC SIGNAL INVENTORY. PRIOR TO COMPLETION OF THE CONTRACT AND REMOVAL OF THE BARRICADES, THE CONTRACTOR SHALL AGAIN CONTACT THE TRAFFIC OPERATIONS SECTION. THE BARRICADES SHALL NOT BE REMOVED UNTIL ALL APPLICABLE PERMANENT TRAFFIC SIGNS AND SIGNALS ARE IN PLACE.
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4. THE CONTRACTOR MUST CONTACT THE CITY'S COI 48 HOURS IN ADVANCE (INCLUDING WEEKENDS) OF ANY MINOR STREET CLOSURE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADVISE THE COI 10 DAYS IN ADVANCE OF ANY ARTERIAL TOTAL STREET CLOSURE. THIS MUCH TIME IS NECESSARY TO INSTALL ADVISORY SIGNS AND GIVE THE MOTORIST A MINIMUM OF 7 DAYS NOTICE OF THE STREET CLOSURE. THE COI AFTER BEING NOTIFIED WILL CONTACT THE TRAFFIC ENGINEER OFFICE TO MAKE THE NECESSARY ARRANGEMENTS.
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2. WALZEM RD: USE THE WALZEM TCP LAYOUT ON SHEET S45 AND APPLICABLE TXDOT BC, WZ, & TCP STANDARDS.

7/12/2022 Plotted by: avicung S:\Projects\SAWS\170204 Pipelines Eng Services Cond\010 8 Small Diameter Under Highways\20-Drawings\170204010*TCP*NTS*WALZEM.dgn



7/12/2022

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SAN ANTONIO WATER SYSTEM

PACKAGE 8 - SMALL DIAMETER UNDER MAJOR HIGHWAYS

WALZEM RD TRAFFIC CONTROL NOTES AND PHASING

SCALE : NTS

SAWS PROJECT NO. 18-4521		DATE: 7/12/2022
MAP No.		
SECT. NO		S44
DRAWN BY:	DSGN BY:	CHKD BY:

▲ REVISED BY ADDENDUM #1

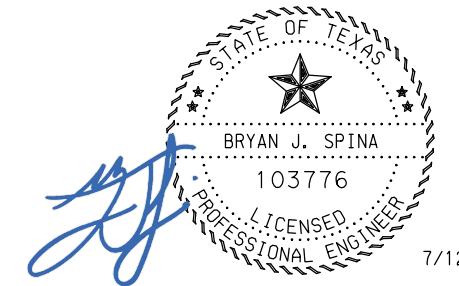
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5. AS WORK PROGRESSES, LOCATION OF TEMPORARY TRAFFIC CONTROL DEVICES WILL BE ADJUSTED AND MODIFIED, AS NECESSARY BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
6. IF THE NEED ARISES, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES, SPECIAL DIRECTIONAL DEVICES, AND/OR BUSINESS NAME SIGNS MAY BE ORDERED BY THE TRAFFIC ENGINEERING REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
7. TEMPORARY TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE CITY'S "TYPICAL SIGN AND BARRICADE STANDARDS" SHEETS AND TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
8. THE CONTRACTOR MUST MAINTAIN ALL STREETS WITHIN PROJECT LIMITS OPEN TO THROUGH TRAFFIC BY REPAIRING TRENCHES, POTHOLES, LEVELING UP WITH ASPHALT, ETC. AT NO DIRECT PAYMENT, WITH THE COST TO BE INCLUDED IN OTHER ITEMS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUITABLE ACCESS ACCOMMODATIONS FOR SCHOOL CHILDREN AND PEDESTRIANS.
10. THE CONTRACTOR SHALL PROVIDE ACCESS FOR DELIVERY OF MAIL BY THE U.S. POSTAL SERVICE.
11. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO RESIDENCES AND ALL BUSINESSES AT ALL TIMES WITHIN ALL THE PHASES OF THE WORK.
12. WHEN CONSTRUCTION WORK NECESSITATES THE UTILIZATION OF VEHICLE PATHS OTHER THAN THE LANES NORMALLY USED, TRAFFIC CONTROL MARKINGS NO LONGER APPLICABLE SHALL BE REMOVED AND APPROVED TEMPORARY PAVEMENT MARKINGS AND SIGNS INSTALLED IN ACCORDANCE WITH PART VI-D OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. AFTER CONSTRUCTION IS COMPLETED AND TRAFFIC IS REROUTED BACK TO THE ORIGINAL LANES, THE TRAFFIC CONTROL MARKINGS AND/OR RAISED BUTTONS THAT WERE ORIGINALLY REMOVED FROM THE EXISTING PAVEMENT MUST BE REPLACED. IN ADDITION, TEMPORARY MARKINGS MUST BE REMOVED. ALL OF THIS IS TO BE DONE AT NO DIRECT PAYMENT; COST SHOULD BE INCLUDED IN OTHER ITEMS.
13. PERMANENT PAVEMENT MARKINGS SHALL BE APPLIED PRIOR TO THE OPENING OF THE COMPLETED STREET TO TRAFFIC. TEMPORARY ADDITIONAL SHORT-TERM EXPENDABLE PAVEMENT MARKINGS MAY BE PROVIDED PRIOR TO THE APPLICATION OF PERMANENT MARKINGS IN MINIMUM LENGTHS OF 36", OR RAISED PAVEMENT MARKINGS TO DELINEATE CONTINUITY UNTIL SUCH TIME AS STANDARD PAVEMENT MARKINGS IN NORMAL LENGTHS CAN BE PLACED AT NO DIRECT PAYMENT.
14. ALL TEMPORARY TRAFFIC CONTROL DEVICES, ETC. SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT DIRECT PAYMENT, UNLESS OTHERWISE NOTED OR STATED.
15. THE COI WILL MONITOR THE CONTRACTOR'S TRAFFIC CONTROL DEVICES AND WILL BE RESPONSIBLE TO FURNISH ALL RESIDENTS AND BUSINESSES WITH AN INFORMATION FLYER ON ALL JOBS DURING CONSTRUCTION.
16. ANY DAMAGE TO PERMANENT TRAFFIC SIGNALS, THE CONTROLLER BOX, LOOPS OR CONDUITS DURING OR UPON COMPLETION OF THE PROJECT SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE DECISION TO REPAIR, AS OPPOSED TO REPLACE, THE DAMAGED EQUIPMENT SHALL BE MADE BY THE CITY'S TRAFFIC ENGINEER.
17. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL STREETS OUTSIDE OF THE PROJECT LIMITS WHICH ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES. THE REPLACED SECTION MUST BE APPROVED BY THE CITY'S STREET ENGINEER. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK. THE COST IS TO BE INCLUDED IN OTHER ITEMS.
18. OFF-DUTY POLICE OFFICERS WILL BE REQUIRED AS DIRECTED BY THE TRAFFIC ENGINEER AT NO DIRECT PAYMENT, COST TO BE INCLUDED IN OTHER BID ITEMS. THIS WILL BE A REQUIREMENT WHERE TWO-WAY TRAFFIC IS TO BE MAINTAINED.
19. THE CONTRACTOR SHALL PROVIDE THE CITY AN EMERGENCY TELEPHONE NUMBER FOR EVENINGS, WEEKENDS, AND HOLIDAYS BY THE FIRST WORKING DAY OF THE PROJECT. THIS TELEPHONE NUMBER MUST BE A COMMERCIAL ANSWERING SERVICE. THE ANSWERING SERVICE MUST BE ABLE TO CONTACT THE CONTRACTOR AND HAVE THE CONTRACTOR RESPOND TO THE CITY STAFF WITHIN TWO HOURS OF THE INITIAL CONTACT.
20. THE CONTRACTOR SHALL MAINTAIN CONTINUOUS ACCESS TO ALL INTERSECTING STREETS UNLESS OTHERWISE SHOWN ON THESE PLANS. WHEN CONTINUOUS ACCESS IS SCHEDULED TO BE BLOCKED, THE CONTRACTOR SHALL CONTACT THE DISPATCHERS FOR THE FIRE DEPARTMENT AND EMS AT (210) 227-8341 AND THE POLICE DEPARTMENT AT (210) 207-2257, TO APPRISE THEM OF THE PENDING STREET CLOSURE AT LEAST FORTY-EIGHT HOURS IN ADVANCE. IF THE CLOSURE FALLS ALONG A BUS ROUTE, THE CONTRACTOR SHALL ALSO CONTACT VIA AT (210) 362-5220.
21. THE CONTRACTOR SHALL MAINTAIN EITHER THE EXISTING OR TEMPORARY STREET NAME SIGNS AT EACH INTERSECTION ONSITE THROUGHOUT CONSTRUCTION. IF THE EXISTING STREET NAME SIGNS ARE USED, THEY MUST BE MAINTAINED IN THE CONDITION ENCOUNTERED PRIOR TO THE BEGINNING OF CONSTRUCTION, AND THEN BE TURNED IN TO THE CITY INSPECTOR AT THE END OF THE PROJECT. IF TEMPORARY SIGNS ARE USED DURING CONSTRUCTION, THEY SHALL HAVE A MINIMUM OF 4-INCH LETTERS, AND MAY BE FABRICATED WITH CONSTRUCTION ZONE MATERIAL (BLACK LEGEND ON ORANGE BACKGROUND, USING PLYWOOD SUBSTRATE, ETC.)
22. REMOVAL OF PAVEMENT MARKINGS ARE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
23. ALL OPEN TRENCHES AND PITS SHALL BE BACKFILLED AND PLATED BEFORE THE CONTRACTOR CAN LEAVE AN AREA. NO TRENCHES AND/OR PITS SHALL BE LEFT UNBACKFILLED AND PLATED OVERNIGHT AND/OR DURING NON-WORK HOURS.

CONSTRUCTION PHASING

1. THE LOCATIONS SHALL BE CONSTRUCTED IN THE FOLLOWING ORDER: UPRR ROW MAIN, SUNSET, EMIL, WALZEM, S. PRESA. TWO SITES SHOULD BE WORKED ON AT A TIME AND ALL WORK SHALL BE FORM DOWNSTREAM TO UPSTREAM, UNLESS DIRECTED OTHERWISE. S. PRESA SITE REQUIRES A TEMPORARY CONSTRUCTION EASEMENT BEFORE WORK MAY BEGIN ON THE SITE. SAWS WILL PROVIDE EASEMENT ONCE ACQUIRED.
2. EMIL ST: CLOSE DOWN SHOULDER AND/OR ONE LANE TO ACCESS MANHOLES AND CONSTRUCT SEWER USING APPLICABLE TXDOT BC, WZ, & TCP STANDARDS. USE FLAGGERS DURING WORKING HOURS TO MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES. TRENCH SHALL BE BACKFILLED AND PLATED DURING NOT WORKING HOURS TO PROVIDE TWO-LANES, TWO-WAY TRAFFIC.
3. ROADWAY SHALL BE OPEN TO TWO-WAY TRAFFIC W/ONE LANE IN EACH DIRECTION DURING NON-WORKING HOURS.

7/12/2022 Plotted by: avicung S:\Projects\SAWS\170204 Pipelines Eng Services Cond\010 8 Small Diameter Under Highways\20-Drawings\Plans\Civil\170204010*TCP*NTS*EMILST.dgn



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SAN ANTONIO WATER SYSTEM

PACKAGE 8 - SMALL DIAMETER UNDER MAJOR HIGHWAYS

EMIL ST TRAFFIC CONTROL NOTES AND PHASING

SCALE : NTS

SAWS PROJECT NO. 18-4521		DATE: 7/12/2022
MAP No.		
SECT. NO		S49
DRAWN BY:	DSGN BY:	CHKD BY:

▲ REVISED BY ADDENDUM #1