

ADDENDUM NO. 1

PROJECT NAME: FY 2015 – 2016 RECLAMATION AND RECONSTRUCTION TASK ORDER

CONTRACT PACKAGE 4

DATE: 9/9/2014

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.

Formal Invitation for Bid and Contract:

1. General Conditions:

- a. Section 1.2.4 of the General Conditions for the City of San Antonio Construction Contracts is deleted and replaced in its entirety with the following:**

1.2.4 The contract shall commence upon the issuance of the first task order by the City of San Antonio. No Work shall commence any earlier than the issuance date of the first task order and no Work shall be performed by Contractor or any Subcontractor prior to issuance of the first task order Any work commenced prior to Contractor receiving the first task order is performed at Contractor's risk.

- b. Section 11.3.1.1 of the General Conditions for the City of San Antonio Construction Contracts is deleted and replaced in its entirety with the following:**

11.3.1.1 PERFORMANCE BOND. A good and sufficient bond in an amount equal to one hundred percent (100%) of the total Contract Sum or Individual Task Order Amount, guaranteeing the full and faithful execution of the Work and performance of the Contract in accordance with Plans, Specifications and all other Contract Documents, including any extensions thereof, for the protection of Owner. This bond shall also provide for the repair and maintenance of all defects due to faulty materials and workmanship that appear within a period of one (1) year from the date of final Completion or acceptance of the Work by the Owner or lesser or longer periods as may be otherwise designated in the Contract Documents

- c. Section 11.3.1.2 of the General Conditions for the City of San Antonio Construction Contracts is deleted and replaced in its entirety with the following:**

11.3.1.2 PAYMENT BOND. A good and sufficient bond in an amount equal to 100% of the total Contract Sum or Individual Task Order Amount, guaranteeing the full and prompt payment of all claimants supplying labor or materials in the prosecution of the Work provided for in the Contract, and for the use and protection of each claimant.

- d. Section 11.3.2 of the General Conditions for the City of San Antonio Construction Contracts is deleted and replaced in its entirety with the following:**

11.3.2 If the total Contract Sum or Individual Task Order Amount, is greater than \$100,000, Performance and Payment Bonds equaling one hundred percent (100%) of the total Contract Sum or Individual Task Order Amount are mandatory and shall be provided by Contractor. If the total Contract Sum or Individual Task Order Amount is greater than \$25,000 but less than or equal to \$100,000, only a Payment Bond equaling One hundred percent (100%) of the total Contract Sum or Individual Task Order Amount is mandatory; provided, however, that Contractor also may elect to furnish a Performance Bond in the same amount if Contractor so chooses. If the total Contract Sum or Individual Task Order Amount is less than or equal to \$25,000, Contractor may elect not to provide Performance and Payment Bonds; provided that in such event, no money will be paid by Owner to Contractor until Final Completion of all Work. If Contractor elects to provide Performance and Payment Bonds, the Contract Sum or Individual Task Order Amount shall be payable to Contractor through progress payments in accordance with these General Conditions.

- 2. Substitute and utilize the revised “010 FORMAL INVITATION FOR BIDS (IFB) TO CONTRACT SIGNATURE PAGE” attached.**
- 3. Substitute and utilize the revised “025 Unit Pricing Form” attached.**
- 4. Delete the following in their entirety and replace with attached documents:**

General Notes

Item 851-A

Special Provision Item 205

Special Provision Item 230

- 5. Add the Attached Specification for Supplemental Specification 14**

6. The Following information from the pre-submittal conference held on 9/4/14:

I. Project Description – Project Scope

A. Contract information

- a. 730 calendar days
- b. Bids due Tuesday, September 16 @ 2:00 p.m.
- c. Deadline for questions is September 8 @ 4 PM
 - i. Direct to Clayton Hoelscher
- d. Spec books available at LAN office 10101 Reunion Place ste 200, SA 78216
- e. See supplemental conditions and special provisions for additional contract information
- f. \$4.5M Engineers Estimate

B. Reclamation & Reconstruction

- a. Full Depth Reclamation & Full Reconstruction Projects
 - i. Use City of San Antonio standard details

C. No direct payment for the following items:

- a. Mobilization (Item 100)
- b. Insurance & Bond (Item 100)
- c. Preparing Right-of-Way (Item 101)
- d. Barricades, Signs & Traffic Handling (Item 530)

D. No Additional Mobilization for this contract

E. Pay attention to Special Provisions for Items 205 HMAP & 230 Base and Pavement Replacement

- a. Acceptable asphalt ranges
- b. Payment in tons for this contract

F. Miscellaneous work

- a. Curb, sidewalks, driveways, retaining walls & curb ramps
- b. Base & pavement replacement for reclamation projects
- c. Seal coat to go along with Reclamation
- d. Tree removal/replacement and protection
- e. Gate/fence adjustments
- f. Pavement striping and markers
- g. Speed humps and associated signage/striping
- h. Sign/mailbox relocations
- i. Manhole/valve box adjustments and other minor utility adjustments

G. General Notes & Traffic Notes

- a. Traffic control in accordance with MUTCD standards
- b. Accessibility requirements – driveways, post offices
- c. Portable Changeable Message Signs (2) will be required for this contract as a separate pay item. Please refer to SUP 14 Portable Changeable Message Sign.
- d. Contractors must acquire Right-of-Way permits for each project location (no charge)

H. Project requirements

- a. City of San Antonio Traffic Engineering determines final working restrictions

CITY OF SAN ANTONIO

Issued By: Transportation and Capital Improvements
ID NO.: 23-01403-07-05-01

Date Issued: August 20, 2014

(010) FORMAL INVITATION FOR BIDS (IFB) to CONTRACT
FY 2015 – 2016 Reclamation and Reconstruction Task Order Contract Package 4

Sealed bids, subject to the Terms and Conditions of this Invitation for Bids and other contract provisions, will be received at the Office of the City Clerk, City Hall, 100 Military Plaza, 2nd floor San Antonio, Tx 78205 until **2:00 P.M. CST on Tuesday, September 16, 2014** and publicly read aloud in **City Council Chambers at 114 W. Commerce, Municipal Plaza Building**. This is the *solicitation deadline*. Bids must be submitted in a sealed envelope and clearly marked with the due date of bid, bidder name, Project Name and ID NO. The City is not responsible for submissions not clearly and appropriately marked. Late submissions will be rejected and returned to bidder. A Non-Mandatory Pre-bid meeting will be held at 114 W. Commerce, San Antonio, TX 78205 in the 9th fl. conference room on Thursday, September 4, 2014 at 11:00 A.M. **Deadline for questions: 4:00 P.M., September 8, 2014.**

This invitation includes the following Contract Documents:

- | | |
|---|--|
| 010 Invitation for Bids and Contract Signature Page | ■ Subcontractor/Supplier Utilization Commitment Form |
| 020 Bid Form | 060 Supplemental Conditions |
| 025 Unit Pricing Form | 075 Performance Bond |
| 040 Standard Instructions to Respondent | 076 Payment Bond |
| 050.01 SBEDA Guidelines | 081 General Conditions for Construction Contracts |
| ■ Wage Decision | 095 SAWS Special Conditions |

Plans, Specifications and Special Conditions may be purchased at a cost of **\$50.00** per set (tax included) from the office of Lockwood, Andrews & Newnam, Inc., 10101 Reunion Place, Suite 200, San Antonio, Texas, 78216; (210) 499-5082. No refund will be made for plan sets that are returned. Changes to Plans, Specifications and Special Conditions will be included in an addendum and will be posted on the web at www.sanantonio.gov/rfp listings along with this solicitation. Bidder understands and agrees that bidder is responsible for obtaining addenda and adhering to all requirements in addenda. City is not responsible for incorrect information obtained through other sources.

The following documents (fully completed and with original signatures) constitute the required information to be submitted as a part of the bid proposal:

- | | |
|---|--|
| 1.) 010 Invitation for Bids and Contract Signature Page | 4.) Bid Bond |
| 2.) 020 Bid Form | 5.) Subcontractor/Supplier Utilization Commitment Form |
| 3.) 025 Unit Pricing Form | 6.) Signed Addenda Acknowledgement Forms |

It is understood and agreed that the work is to be substantially completed on or before **730** calendar days. This project does not include hazardous environmental work. This project requires 0 project sign(s).

Small Business Economic Development Advocacy (SBEDA) Program Compliance – Respondents shall meet the subcontracting requirements as stated on Form 050.01 and on the Subcontractor/Supplier Utilization Commitment Form posted with this solicitation on the City’s website.

Wage Decision – Respondent shall meet the prevailing wage rate requirements established for this contract and shall reference the wage decision posted with this solicitation on the City’s website.

The undersigned acknowledges that this is a unit price contract; that unit prices established will remain in effect and valid throughout the duration of the contract; the quantities shown are estimated quantities for budgetary purposes only; the award of this contract does not guarantee contractor the entire work shown in this FORMAL INVITATION FOR BID (IFB); the City may order all, some, or none of the work shown in this IFB; and projects will be assigned as they become available.

The undersigned, by his/her signature, represents that he/she is authorized to bind the bidder to fully comply with Contract Documents for the amount(s) shown on the accompanying bid sheet(s). The work proposed to be done shall be accepted when fully completed and finished to the entire satisfaction of the City. The undersigned certifies all prices contained in this bid have been carefully checked and are submitted as correct and final. The bidder by submitting this bid and signing below, acknowledges that he/she has received & read the entire Bid and Contract document and agrees to be bound by the terms therein, has received all Addenda, and agrees to the terms, conditions, and requirements of the bidder’s bid proposal and all documents listed in the tables above and the enabling Ordinance and associated documentation that form the entire Contract upon approval by the City Council.

Official Name of Company (legal): _____

_____/_____/_____ Signer’s Name: _____
Original Signature of Person Authorized to Sign Bid/Contract Date (Please Print or Type)

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

PROJECT NAME: FY 2015-2016 Reclamation and Reconstruction Task Order Contract Package 4
PROJECT NO. 23-01403-07-05-01

ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT
BASE BID							
103.1			REMOVE CONCRETE CURB	LF	10,800		
103.3			REMOVE SIDEWALKS AND DRIVEWAYS	SF	24,750		
103.4			REMOVE MISCELLANEOUS CONCRETE	SF	2,500		
104.1			STREET EXCAVATION	CY	12,250		
105.1			CHANNEL EXCAVATION	CY	1,250		
107.1			EMBANKMENT (FINAL) (ORDINARY COMPACTION) (TY B)	CY	500		
108.1			LIME TREATED SUBGRADE (6.0-INCH COMPACTED DEPTH)	SY	13,850		
108.2			LIME	TON	200		
200.1			FLEXIBLE BASE (6 INCH COMPACTED DEPTH)	SY	4,000		
200.2			FLEXIBLE BASE (6 INCH LOOSE DEPTH)	SY	7,500		
202.1			PRIME COAT	GAL	3,600		
203.1			TACK COAT	GAL	1,800		
205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (6-INCH COMPACTED DEPTH)	TON	2,250		
205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (8-INCH COMPACTED DEPTH)	TON	1,650		
205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (10-INCH COMPACTED DEPTH)	TON	800		
205.4			HOT MIX ASPHALTIC PAVEMENT, TYPE D (2-INCH COMPACTED DEPTH)	TON	6,100		
208.1			SALVAGING, HAULING, & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2 INCH DEPTH)	SY	2,500		
209.1			BUS STOP CONCRETE PAVEMENT (10" DEPTH)	SY	1,250		
230.3			REPLACING BASE & PAVEMENT WITH TYPE B PVMT (6-INCH COMPACTED DEPTH)	TON	820		
230.3			REPLACING BASE & PAVEMENT WITH TYPE B PVMT (8-INCH COMPACTED DEPTH)	TON	720		
234.1			BASE REINFORCEMENT (TX 5)	SY	5,000		
236.1			EMULSION (CSS-1H)	GAL	84,500		
236.2			EMULSION TREATMENT (EXISTING BASE) (6-INCH COMPACTED DEPTH)	SY	44,900		
236.3			EMULSION TREATMENT (MIXING EXISTING MATERIAL AND NEW BASE) (6-INCH COMPACTED DEPTH)	SY	5,300		

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ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT
250			SEAL COAT	SY	52,000		
307.1			CONCRETE STRUCTURE (HEADWALLS OR OUTFALL STRUCTURES)	CY	25		
401.1			REINFORCED CONCRETE PIPE (CLASS III)(18" DIA)	LF	100		
401.1			REINFORCED CONCRETE PIPE (CLASS III)(24" DIA)	LF	350		
401.1			REINFORCED CONCRETE PIPE (CLASS III)(30" DIA)	LF	250		
403.1			JUNCTION BOX 4'X4'X4'	EA	6		
403.1			JUNCTION BOX 5'X5'X5'	EA	6		
403.7			INLET TYPE I (COMPLETE)(10FT)	EA	8		
403.8			INLET TYPE II (COMPLETE)(10FT)	EA	6		
407.4			CONCRETE COLLARS	CY	25		
410.2			GRAVEL SUBGRADE FILLER (100 CY < X < 1,000 CY)	CY	250		
413.2			FLOWABLE FILL (HIGH STRENGTH)	CY	125		
500.1			CONCRETE CURB, GUTTER AND CONCRETE CURB AND GUTTER	LF	14,500		
502.1			CONCRETE SIDEWALKS	SY	7,500		
502.1A			CURB RAMPS	EA	100		
503.1			PORTLAND CEMENT CONCRETE DRIVEWAY	SY	3,500		
503.2			PORTLAND CEMENT CONCRETE DRIVEWAY - COMMERCIAL	SY	2,915		
505.1			CONCRETE RIPRAP (5" THICK)	SY	750		
506.1			CONCRETE RETAINING WALLS - COMBINATION TYPE	CY	60		
507.1			CHAIN LINK FENCE - 4 FT HIGH	LF	150		
507.2			CHAIN LINK FENCE - 6 FT HIGH	LF	100		
507.4			GATES-PEDESTRIAN	EA	4		
507.5			GATES-VEHICULAR	OPEN	6		
508.1			RELOCATING WIRE FENCE	LF	120		
508.2A			RELOCATING WROUGHT IRON FENCE	LF	80		
510.1			TIMBER GUARD POSTS (< 50 UNITS)	EA	40		
512.1A			ADJUSTING EXISTING MANHOLES (STORM SEWER)	EA	8		
512.1B			ADJUSTING EXISTING MANHOLES (AT&T)	EA	8		
512.3			VALVE BOX ADJUSTMENT (NON-SAWS)	EA	20		
513.1			REMOVING AND RELOCATING MAIL BOXES	EA	150		
515.1			TOPSOIL	CY	800		
516.1			BERMUDA SODDING	SY	4,000		
516.2			ST. AUGUSTINE SODDING	SY	4,000		
520.1			HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	1,200		

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PROJECT NO. 23-01403-07-05-01

ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT
522.1			SIDEWALK PIPE RAILING	LF	250		
523.1			ADJUSTING CHAIN LINK VEHICULAR GATE	EA	15		
523.3			ADJUSTING CHAIN LINK PEDESTRIAN GATE	EA	10		
523.4			ADJUSTING WROUGHT IRON VEHICULAR GATE	EA	8		
523.5			ADJUSTING WROUGHT IRON VEHICULAR GATE (MOTORIZED)	EA	3		
523.6			ADJUSTING WROUGHT IRON PEDESTRIAN GATE	EA	4		
524.1			CONCRETE STEPS	CY	45		
531.3			R1-1 STOP (30")(HIGH DENSITY)	EA	8		
531.5			R1-4 ALL WAY PLATE (18"X6")(HIGH DENSITY)	EA	8		
531.21			R7-1 NO PARKING ANYTIME (18"X24")(HIGH DENSITY)	EA	8		
531.52			W13-1 ADVISORY SPEED SIGN (20 MPH)	EA	24		
531.57			9 INCH [229MM] STREET NAME, BLOCK NUMBER (VARIES X 9") (HIGH DENSITY)	EA	8		
531.59			W17-3 SPECIAL SIGN (HUMP AHEAD SYMBOL SIGN)	EA	24		
531.59			W17-3 SPECIAL SIGN (HUMP SYMBOL SIGN)	EA	24		
535.1			4-INCH WIDE YELLOW LINE	LF	4,000		
535.2			4-INCH WIDE WHITE LINE	LF	3,200		
535.4			8-INCH WIDE WHITE LINE	LF	600		
535.5			12-INCH WIDE WHITE LINE	LF	450		
535.7			24-INCH WIDE WHITE LINE	LF	400		
535.7B			24-INCH WIDE YELLOW LINE	LF	100		
535.8			RIGHT WHITE ARROW	EA	8		
535.9			LEFT WHITE ARROW	EA	8		
535.10			COMBINATION THRU/RIGHT WHITE ARROW	EA	8		
535.11			COMBINATION THRU/LEFT WHITE ARROW	EA	8		
535.12			WORD "ONLY"	EA	8		
535.13			STRAIGHT WHITE ARROW	EA	6		
535.14			RAILROAD CROSSING SYMBOL, INCLUDING TWO R'S, CROSSBUCK AND 3 TRANSVERSE BARS	EA	6		
535.16			STRAIGHT WHITE ARROW BICYCLE FACILITY	EA	10		
535.17			BICYCLE RIDER SYMBOL	EA	10		
535.22			WHITE SHARROW (BIKE SHARED LANE)	EA	5		
536.1			4-INCH WIDE YELLOW LINE	LF	280		
536.2			4-INCH WIDE WHITE LINE	LF	275		
536.4			8-INCH WIDE WHITE LINE	LF	50		
536.5			12-INCH WIDE WHITE LINE	LF	80		
536.7			24-INCH WIDE WHITE LINE	LF	100		
537.1			TRAFFIC BUTTON (TYPE W)	EA	80		
537.2			TRAFFIC BUTTON (TYPE Y)	EA	80		

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PROJECT NO. 23-01403-07-05-01

ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT
SAWS Water Bid Items							
826			SAWS VALVE BOX ADJUSTMENT	EA	82		
826A			SAWS VALVE BOX LOCATE & ADJUSTMENT	EA	8		
833			SAWS EXISTING METER & METER BOX RELOCATION	EA	8		
833A			SAWS ADJUSTING EXISTING METER BOX	EA	50		
TOTAL SAWS WATER ITEMS BID AMOUNT:							
SAWS Sewer Bid Items							
851			SAWS ADJUSTING EXISTING MANHOLE	EA	90		
851A			SAWS LOCATING & ADJUSTING EXISTING MANHOLE	EA	8		
854A			SAWS ADJUSTING EXISTING SANITARY SEWER CLEANOUT	EA	8		
TOTAL SAWS SEWER ITEMS BID AMOUNT:							
TOTAL (BASE BID + SAWS Water Items + SAWS Sewer Items) BID AMOUNT:							

In consideration of submitted bids, bidders are required and shall fully complete each unit bid price line on the 025 unit pricing form contained herein. Any unit bid price line left incomplete or determined by the City to be under priced may result in a submitted bid being deemed non-responsive. Bidders agree that the unit bid prices submitted on said 025 form, will be held throughout the duration of this indefinite delivery contract.

_____ certifies that the unit prices shown on this complete computer print-out for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its bid will be tabulated using these unit prices and no other information from this print-out.

_____ Acknowledged and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total bid amount will be determined by multiplying the unit bid prices shown in this print-out by the respective estimated quantities shown in the proposal and then totaling all of the extended amounts. _____ agrees to the terms, conditions, and requirements of the bidder's bid proposal.

Signed: _____ Date: _____

Title: _____

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

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	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT
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CITY OF SAN ANTONIO GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF SAN ANTONIO (COSA) STANDARDS SPECIFICATIONS FOR CONSTRUCTION DATED JUNE 2008, OR LATEST REVISION THERE OF.
2. NO EXTRA PAYMENT SHALL BE ALLOWED FOR WORK CALLED FOR ON THE PLANS, BUT NOT INCLUDED IN THE BID PROPOSAL. THIS INCIDENTAL WORK WILL BE REQUIRED AND SHALL BE INCLUDED IN THE PAY ITEM TO WHICH IT RELATES.
3. THE CONTRACTOR SHALL PROVIDE ACCESS FOR THE DELIVERY OF MAIL BY THE U.S. POSTAL SERVICE AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL OR BETTER CONDITION ANY DAMAGE DONE TO EXISTING FENCES, CONCRETE ISLANDS, STREET PAVING, CURBS, SHRUBS, BUSHES, DRIVEWAYS, OR SIDEWALKS (NO SEPARATE PAY ITEM).
5. CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR TWENTY FOUR (24) HOURS PRIOR TO BACKFILL OF ANY UTILITY TRENCHES TO SCHEDULE FOR DENSITY TEST AS REQUIRED.
6. CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES, MARKS, ETC. IF ANY ARE DESTROYED OR REMOVED BY THE CONTRACTOR OR HIS EMPLOYEES, THEY SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
7. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO EXCAVATION OPERATION:
 - SAN ANTONIO WATER SYSTEM (SAWS) 233-2010,
 - COSA DRAINAGE 207-8048
 - COSA SIGNAL OPERATIONS 207-7720 / 207-7765
 - TEXAS STATE WIDE ONE CALL LOCATOR 1-800-344-8377
 - CITY PUBLIC SERVICE ENERGY
 - TIME WARNER
 - AT&T
 - MCI
8. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM AVAILABLE RECORDS AND ARE NOT GUARANTEED, BUT SHALL BE INVESTIGATED AND VERIFIED BY THE CONTRACTOR BEFORE STARTING WORK. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO AND FOR THE MAINTENANCE AND PROTECTION OF THE EXISTING UTILITIES EVEN IF THEY ARE NOT SHOWN ON THE PLANS. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HERE ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND HE SHALL BE RESPONSIBLE FOR PROTECTION OF SAME DURING CONSTRUCTION.
9. ALL WASTE MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL

BE HIS SOLE REponsibility TO DISPOSE OF THIS MATERIAL OFF THE LIMITS OF THE PROJECT. NO WASTE MATERIAL SHALL BE PLACED IN EXISTING LOWS THAT WILL BLOCK OR ALTER FLOW LIMITS OF EXISTING ARTIFICIAL OR NATURAL DRAINAGE.

10. THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIAL IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN DEVELOPMENT PERMIT.
11. THE CONTRACTOR SHALL MAINTAIN ALL ADJOINING STREETS AND TRAVELED ROUTES FREE FROM SPILLED AND / OR TRACKED CONSTRUCTION MATERIALS AND / OR DEBRIS.
12. IF THE CONTRACTOR ENCOUNTERS ANY ARCHAEOLOGICAL DEPOSITS DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR MUST STOP EXCAVATION IMMEDIATELY, CONTACT THE CITY INSPECTOR, AND CALL THE CITY HISTORIC PRESERVATION OFFICE AT 207-7306 OR 207-3327 FOR AN ARCHAEOLOGICAL INVESTIGATION. THE CONTRACTOR CANNOT BEGIN EXCAVATION AGAIN WITHOUT WRITTEN PERMISSION FROM THE CITY. IF MORE THAN THREE (3) DAYS ARE REQUIRED FOR INVESTIGATION (NOT INCLUDING HOLIDAY AND WEEKENDS) AND IF THE CONTRACTOR IS UNABLE TO WORK IN OTHER AREAS, THEN THE CONTRACTOR WILL BE ALLOWED TO NEGOTIATE FOR ADDITIONAL CONSTRUCTION TIME UPON WRITTEN REQUEST WITHIN TEN (10) DAYS AFTER THE FIRST NOTICE TO THE CITY OF ARCHAEOLOGICAL INVESTIGATION FOR EACH EVENT. IF THE TIME REQUIRED FOR INVESTIGATION IS LESS THAN OR EQUAL TO THREE (3) DAYS FOR EACH EVENT, CONTRACT DURATION WILL NOT BE EXTENDED.
13. IF SUSPECTED CONTAMINATION IS ENCOUNTERED DURING CONSTRUCTION OPERATIONS, COSA SHALL BE NOTIFIED IMMEDIATELY WHEN CONTAMINATED SOILS AND / OR GROUNDWATERS ARE ENCOUNTERED AT LOCATIONS NOT IDENTIFIED IN THE PLANS. THE NOTIFICATION SHOULD INCLUDE THE STATION NUMBER, TYPE OF CONTAMINATED MEDIA, EVIDENCE OF CONTAMINATION AND MEASURES TAKEN TO CONTAIN THE CONTAMINATED, MEDIA AND PREVENT PUBLIC ACCESS. THE CONTAMINATED SOIL AND / OR GROUNDWATER SHALL NOT BE REMOVED FROM THE LOCATION WITHOUT PRIOR COSA APPROVAL. THE CONTRACTOR MUST STOP THE EXCAVATION IMMEDIATELY AND CONTACT THE C.O.S.A. INSPECTOR. THE CONTRACTOR CANNOT BEGIN EXCAVATION ACTIVITIES WITHOUT WRITTEN PERMISSION FROM THE CITY.
14. FOR AREAS WITH SIDEWALK INSTALLATION/REPLACEMENT, CONTRACTOR IS TO INCLUDE A MAILBOX POST BLOCKOUT FOR VACANT LOTS AND ALL RESIDENCES WHICH DO NOT HAVE MAILBOXES AT THE CURB. BLOCKOUTS ARE PROVIDED FOR FUTURE USE BY THE POST OFFICE (NO SEPARATE PAY ITEM).
15. CONTRACTOR SHALL NOT REMOVE OR ADJUST ANY VIA FACILITIES. THE CONTRACTOR MUST CONTACT VIA FOURTEEN DAYS PRIOR, FOR THE REMOVAL OF BENCHES, STOP POLES OR ANY OTHER VIA FACILITIES THAT MAY BE PRESENT. PLEASE PROVIDE THIRTY DAYS PRIOR NOTICE FOR SHELTER REMOVAL (TELEPHONE NOS: (210) 362-2155 OR (210) 362-2096). THE CONTRACTOR WILL BE LIABLE FOR ANY DAMAGES TO VIA FACILITIES NOT REMOVED BY VIA. THE CONTRACTOR IS REQUIRED TO REPLACE ALL FLATWORK REMOVED OR DAMAGED IN THE COURSE OF EXECUTING THE CONTRACT UNLESS OTHERWISE NOTED BY VIA. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING

VIA FACILITIES IF ADJACENT TO WORK AREA.

16. AS DIRECTED BY THE COSA, THE STREET PAVEMENT, ADJACENT DRIVEWAYS, SIDEWALKS, AND WALKWAYS SHALL BE SWEEPED AND ALL DEBRIS REMOVED FROM THE WORK AREA (NO SEPARATE PAY ITEM).
 - SUBSEQUENT TO RECLAMATION/ RECONSTRUCTION OPERATIONS
 - PRIOR TO LAYING A SURFACE COURSE
 - AS OFTEN AS NECESSARY TO REMOVE LOOSE MATERIAL
17. THE CONTRACTOR SHALL PROVIDE THE CITY AN EMERGENCY TELEPHONE NUMBER FOR EVENINGS, WEEKENDS AND HOLIDAYS BY THE FIRST WORKING DAY FOR 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 (2) HOURS OF THE INITIAL CONTACT.
18. IF THE CONTRACTOR WISHES TO WORK WEEKENDS, HE SHALL SUBMIT A REQUEST TO THE ENGINEER AND CITY INSPECTOR FOR APPROVAL SEVENTY TWO (72) HOURS PRIOR TO WORKING THE WEEKEND THEY WISH TO WORK.
19. NIGHT/WEEKEND WORK MAY BE NEEDED FOR THIS CONTRACT. NIGHT WORK IN RESIDENTIAL AREAS WILL BE AVOIDED, UNLESS OTHERWISE DIRECTED BY THE COSA. IN THE EVENT NIGHT WORK IS REQUIRED, WHEN PERFORMING WORK OPERATIONS, THE CONTRACTOR SHALL PROVIDE ADEQUATE LIGHTING TO PERFORM THE NECESSARY OPERATIONS. IN ADDITION ALL VEHICLES MUST BE EQUIPPED WITH ONE OR MORE HIGH INTENSITY YELLOW FLASHING LIGHTS. CONTRACTOR MUST MAINTAIN SATISFACTORY TRAFFIC CONTROL FOR WEEKEND WORK. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR NIGHT & WEEKEND WORK.
20. UPON COMPLETION OF ALL WORK PROVIDED FOR IN THE CONTRACT FOR ANY INDIVIDUAL STREET, THE CITY ENGINEER AND INSPECTOR WILL MAKE AN INSPECTION. IF THE WORK IS FOUND TO BE SATISFACTORY, THE CONTRACTOR WILL BE RELEASED FROM FURTHER MAINTENANCE FOR THAT STREET. A SATISFACTORY INSPECTION WILL BE CONSIDERED A "PARTIAL ACCEPTANCE" OF THE WORK. SAID ACCEPTANCE WILL BE MADE IN WRITING AND SHALL IN NO WAY VOID OR ALTER ANY TERMS OF THE CONTRACT.
21. THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR TWENTY FOUR (24) HOURS IN ADVANCE OF EACH DAY'S WORK. THIS NOTIFICATION SHALL INCLUDE THE MATERIAL SOURCE LOCATION AND THE LOCATION AT WHICH THE MATERIAL WILL BE PLACED. PHONE NUMBERS WILL BE PROVIDED AT THE PRECONSTRUCTION MEETING.
22. ALL COSTS ASSOCIATED WITH THE FOLLOWING ITEMS SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS, AND SHALL NOT BE SEPARATELY COMPENSATED.
 - 100 "MOBILIZATION"
 - 100.1 "INSURANCE AND BOND"
 - 101 "PREPARE RIGHT OF WAY"
 - 530 "BARRICADES, SIGNS & TRAFFIC HANDLING"

23. THE CONTRACTOR SHALL PROVIDE UPDATED CONSTRUCTION SCHEDULES AT THE BEGINNING OF EACH MONTH, VIA E-MAIL FOR THE DURATION OF THE CONTRACT. THE CITY RESERVES THE RIGHT TO DIRECT THE CONTRACTOR WHERE TO WORK WHEN NECESSARY (NO SEPARATE PAY ITEM).
24. THE CONTRACTOR IS RESPONSIBLE FOR OBEYING ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.
25. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CITY RIGHT OF WAY PERMITS FOR CONSTRUCTION. ALL RIGHT OF WAY PERMIT FEES RELATED TO THIS PROJECT WILL BE WAIVED.
26. THE CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER SUCH THAT TRUCKS AND OTHER VEHICLES DO NOT CREATE A DIRT NUISANCE OR SAFETY HAZARD IN ANY STREETS, PUBLIC OR PRIVATE. CLEAN UP OF STREETS SHALL BE DONE DAILY AT A MINIMUM (NO SEPARATE PAY ITEM).
27. THE CONTRACTOR SHALL BE AWARE THAT THE QUANTITIES SHOWN IN THE TASK ORDER MAY CHANGE. THE CITY RESERVES THE RIGHT TO MAKE ADJUSTMENTS IN THE FIELD. PAYMENT FOR PERFORMING THE WORK SHALL BE MADE AT THE ESTABLISHED BID UNIT PRICE IN THE CONTRACT.
28. THE CITY WILL PROVIDE A TEMPLATE/VERBAGE FOR THE DOOR HANGER. CONTRACTOR SHALL PLACE HANGERS ON EVERY BUSINESS OR RESIDENCE WITHIN EACH SEGMENT LIMITS AND ANY OTHER LOCATIONS AS SPECIFIED BY THE INSPECTOR. AN ADDITIONAL DOOR HANGER SHALL BE PLACED AT ALL CORNER LOTS THAT WILL BE RECEIVING CURB RAMPS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE A PREVIEW COPY OF THE DOOR HANGER TO THE CITY SEVEN (7) DAYS PRIOR TO DISTRIBUTION. DOOR HANGERS MUST BE DISTRIBUTED AT LEAST FORTY EIGHT (48) HOURS PRIOR TO EQUIPMENT MOBILIZATION.
29. AS DIRECTED BY THE CITY ENGINEER OR INSPECTOR, "FEATHER" HMAP INTO DRIVEWAYS TO PREVENT SURFACE PONDING. (NO SEPARATE PAY ITEM)
30. ALL CONCRETE SURFACES AND CONSTRUCTION JOINTS THAT WILL CONTACT THE PROPOSED HMAP SHALL BE PAINTED WITH A THIN UNIFORM COAT OF SS-IH TACK COAT. TACK COAT SHALL MEET THE REQUIREMENTS OF ITEM 203.
31. AT INTERSECTIONS WITH SIDEWALKS, THE FOLLOWING GUIDELINES WILL BE USED FOR THE PLACEMENT OF CURB RAMPS:
 - ALL CURB RAMPS SHALL HAVE TRUNCATED DOMES INSTALLED.
 - CURB RAMPS SHALL BE INSTALLED ACCORDING TO THE PLANS OR AT THE DIRECTION OF THE PROJECT MANAGER.
 - REFERENCE SPECIAL PROVISION TO ITEM 502 FOR PAYMENT INFORMATION OF CURB RAMPS
 - DETECTABLE ADA APPROVED WARNINGS, SHALL BE CAST IN PLACE 24 INCHES X 60 INCHES MANUFACTURED BY ARMOR-TILE MODEL NUMBER 465C2460RD UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
32. USE VACUUM OR REGENERATIVE AIR SWEEPERS ONLY WHEN SWEEPING WORK AREA

(NO SEPARATE PAY ITEM).

33. ALL ASPHALT CUTTINGS AND AGGREGATE SHALL BE CONFINED TO THE STREET SURFACE WHERE THEY SHALL BE SWEEPED UP AND REMOVED FROM THE RIGHT-OF-WAY BY THE END OF EACH WORK DAY.
34. CONTRACTOR SHALL TRANSITION PROPOSED CURB TO EXISTING CURB AT A DISTANCE NOT LESS THAN 4 FEET OR NO MORE THAN 8 FEET. CONTRACTOR TO MATCH THE EXISTING CURB ELEVATION AT TIE-IN. CURB CONSTRUCTION SHALL BE PERFORMED BY EQUIPMENT APPROVED BY THE CITY AND SHALL NOT PRESENT A HAZARD TO TRAFFIC. ALL SAW CUTS SHALL BE FULL DEPTH SAWCUTS.
35. ALL QUANTITIES SHALL BE PRE-APPROVED BY THE CITY ENGINEER AND INSPECTOR.
36. AT INTERSECTING STREETS, CURB INLETS, DRIVEWAYS AND RETAINING WALLS, CONTRACTOR SHALL TIE PROPOSED FLATWORK TO EXISTING FLATWORK AND MATCH GRADES AT TIE-IN LOCATION. REFERENCE MISCELLANEOUS CONSTRUCTION STANDARDS FOR ACCEPTABLE TIE-INS.
37. GRAVEL FILTER BAGS SHOULD BE PLACED AT INLET STRUCTURES TO PREVENT MATERIAL FROM ENTERING INLETS AND STORM SEWERS. ALL MATERIAL ENTERING INLETS AND STORM SEWERS SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY.
38. ALL TRUCK TICKETS SHALL HAVE THE NAME OF THE STREET THE MATERIAL WAS PLACED AND BE HANDED TO THE INSPECTOR AT THE END OF EACH DAY'S WORK.
39. THE CONTRACTOR SHALL VIDEO TAPE ALL PROJECTS PRIOR TO ANY CONSTRUCTION. A BACK UP COPY WILL BE SUBMITTED TO THE CITY OF SAN ANTONIO BEFORE PROJECTS COMMENCE IN A FORMAT ACCEPTABLE TO THE COSA. ITEMS TO BE VIDEOTAPED NEED TO BE IDENTIFIED BY ADDRESS (NO SEPARATE PAY ITEM):
 - FENCES
 - MAILBOX FROM ALL SIDES
 - DRIVEWAY ENTRIES
 - CURBS, SIDEWALK, AND PEDESTRIAN WALKWAYS
 - ANY FORM OF LANDSCAPING ON RIGHT OF WAY (TREES, PLANTS, ETC.)
40. THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF WORK FOR THE ENTIRE PROJECT WITHIN FOURTEEN (14) DAYS OF THE NOTICE TO PROCEED (NO SEPARATE PAY ITEM).
41. FOR RECLAMATION PROJECTS THAT ENCOUNTER SUBGRADE DURING TREATMENT, SUBGRADE MUST BE REMOVED AND FLEXIBLE BASE ADDED TO ACHIEVE 6-INCH RECLAMATION. THIS SCENARIO WILL BE PAID UNDER ITEM 236.3 EMULSION TREATMENT (MIXING EXISTING MATERIAL AND NEW BASE) (6- INCH COMPACTED DEPTH). THIS SCENARIO IS IDENTIFIED AS LISTED BELOW:
 - PAVEMENT WIDENING WHERE THE CONTRACTOR EXCAVATES NATURAL SOIL AND/OR SUBGRADE TO UTILIZE EXISTING EXCAVATED BASE/MILLINGS AND/OR INSTALL NEW FLEXIBLE BASE (LOOSE, NONCOMPACTED). WHERE FLEXIBLE BASE IS REQUIRED TO COMPLETE THE PROPOSED 6-INCH RECLAMATION DEPTH, THE CONTRACTOR WILL BE COMPENSATED FOR FLEXIBLE BASE ONLY UNDER ITEM 200.2 – FLEXIBLE BASE (6-INCH

LOOSE DEPTH).

- EXCAVATION IN THE EXISTING ROADWAY WHICH CAUSES REMOVAL OF SUBGRADE AND UTILIZATION OF EXCAVATED BASE/MILLINGS AND/OR INSTALLATION OF NEW FLEXIBLE BASE TO COMPLETE THE PROPOSED 6-INCH RECLAMATION DEPTH. WHERE NEW FLEXIBLE BASE IS REQUIRED TO COMPLETE THIS 6-INCH RECLAMATION SECTION, ONLY FLEXIBLE BASE WILL BE PAID UNDER ITEM 200.2 FLEXIBLE BASE (6-INCH LOOSE DEPTH).
 - ALL EXCAVATION AND HAUL OFF ASSOCIATED WITH THIS SCENARIO WILL BE PAID UNDER ITEM 104.1 STREET EXCAVATION AS A CUBIC YARD MEASUREMENT.
42. BASE REPLACEMENT WILL BE PAID UNDER ITEM 230.3 BASE & PAVEMENT REPLACEMENT WITH TYPE B PAVEMENT AT THE DEPTH SPECIFIED IN THE ASSOCIATED BID ITEM
- LOCATIONS THAT MAY REQUIRE BASE REPLACEMENT WILL BE IDENTIFIED IN THE PLANS THAT WILL BE PROVIDED TO THE CONTRACTOR PRIOR TO ISSUANCE OF THE TASK ORDER.
 - WHERE BASE REPLACEMENT IS SHOWN, THE CONTRACTOR SHALL REMOVE AND HAUL OFF THE EXISTING BASE REQUIRED TO INSTALL A NEW TYPE B COMPACTED DEPTH BASE SECTION (DEPTH CALLED OUT ON PLANS THAT WILL BE PROVIDED TO CONTRACTOR PRIOR TO ISSUANCE OF THE TASK ORDER).
 - ALL EXCAVATION AND HAUL OFF ASSOCIATED WITH BASE & PAVEMENT REPLACEMENT WILL NOT BE PAID FOR DIRECTLY. EXCAVATION IS CONSIDERED SUBSIDIARY TO ITEM 230 BASE & PAVEMENT REPLACEMENT PER CITY OF SAN ANTONIO SPECIFICATIONS.
43. MATERIAL SUBMITTALS SHALL BE PROVIDED TO THE CITY OF SAN ANTONIO PROJECT MANAGER AND QUALITY ASSURANCE MANAGER PRIOR TO STARTING CONSTRUCTION.

TREE PROTECTION AND PRESERVATION GENERAL NOTES

1. NO UTILITY OR STREET EXCAVATION WORK SHALL BEGIN IN AREAS WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED.
2. TREE PROTECTION FENCING SHALL BE REQUIRED AND TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION AS NOTED IN THE PLANS. DURING CONSTRUCTION ACTIVITY, AT LEAST A SIX-INCH LAYER OF COARSE MULCH SHALL BE PLACED AND MAINTAINED OVER THE ROOT PROTECTION ZONE (NO SEPARATE PAY ITEM).
3. THE CONTRACTOR SHALL AVOID CUTTING ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATING NEAR EXISTING TREES. ROOTS OR BRANCHES IN CONFLICT WITH CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. OAK WOUNDS SHALL BE PAINTED OVER WITHIN 20 MINUTES TO PREVENT OAK WILT. EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION. THE CONTRACTOR SHALL CONTACT THE CITY ARBORIST/INSPECTOR FOR GUIDANCE.
4. ROOTS WILL BE CUT WITH A ROCK SAW OR BY HAND, NOT BY AN EXCAVATOR OR OTHER ROAD CONSTRUCTION EQUIPMENT.
5. ALL CURB AND SIDEWALK WORK SHALL USE ALTERNATIVE CONSTRUCTION METHODS TO MINIMIZE EXTENSIVE ROOT DAMAGE TO TREES (REFER TO DETAILS).

6. EXPOSED ROOTS SHALL BE COVERED AT THE END OF THE DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH, OR WET BURLAP (NO SEPARATE PAY ITEM).
7. NO EQUIPMENT, VEHICLES OR MATERIALS SHALL OPERATE OR BE STORED WITHIN THE ROOT PROTECTION ZONE OF ANY TREE NEAR THE PROJECT. ROOT PROTECTION ZONE IS A 1 FOOT RADIUS PER INCH OF TREE'S DIAMETER. A 10-INCH DIAMETER TREE WOULD HAVE A 10 FOOT RADIUS ROOT PROTECTION ZONE AROUND THE TREE. NO CLEAN-OUTS WILL BE CONSTRUCTED SO THAT THE MATERIAL SHALL BE IN OR MIGRATE TO THE ROOT PROTECTION ZONE.
8. SAPLINGS, SHRUBS OR BUSHES TO BE CLEARED FROM THE PROTECTED ROOT ZONE AREA OF A LARGE TREE SHALL BE REMOVED BY HAND AS DESIGNATED BY THE INSPECTOR.
9. NO WIRES, NAILS OR OTHER MATERIAL MAY BE ATTACHED TO PROTECTED TREES.
10. TREES, TREE LIMBS, BUSHES AND SHRUBS LOCATED IN THE CITY STREET OR ALLEY RIGHT-OF-WAY OR PERMANENT EASEMENTS WHICH INTERFERE WITH PROPOSED CONSTRUCTION ACTIVITIES SHALL BE PROPERLY PRUNED FOLLOWING THE ANSI A-300 STANDARDS FOR PRUNING. ALL TREE PRUNING SHALL BE COMPLETED BY A CITY OF SAN ANTONIO TREE MAINTENANCE LICENSED CONTRACTOR (ARTICLE 21-171, CITY CODE) ONLY AFTER APPROVAL FROM THE CAPITAL PROJECTS MANAGEMENT THROUGH THE INSPECTOR.
11. NO EXCESSIVE TREE TRIMMING WILL BE PERMITTED.
12. ALL DEBRIS GENERATED BY THE PRUNING AND TRIMMING OF TREES AND/OR BUSHES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY (NO SEPARATE PAY ITEM).
13. TREES MUST BE MAINTAINED IN GOOD HEALTH THROUGHOUT THE CONSTRUCTION PROCESS. MAINTENANCE MAY INCLUDE, BUT NOT LIMITED TO: WATERING THE ROOT PROTECTION ZONE, WASHING FOLIAGE, FERTILIZATION, PRUNING, ADDITIONAL MULCH APPLICATIONS AND OTHER MAINTENANCE AS NEEDED ON THE PROJECT (NO SEPARATE PAY ITEM).
14. ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY ARBORIST (207-0278).
15. TREES WHICH ARE DAMAGED OR LOST DUE TO THE CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE CITY'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
16. TREE PLANTING FOR MITIGATION OR ENHANCEMENT: ALL PLANTED TREES SHALL BE MAINTAINED IN A HEALTHY CONDITION AT ALL TIMES. THIS INCLUDES IRRIGATION, FERTILIZING, PRUNING AND OTHER MAINTENANCE AS NEEDED ON THE PROJECT. TREES THAT DIE WITHIN TWELVE (12) MONTHS SHALL BE REPLACED WITH A TREE OF EQUAL SIZE AND SPECIES AT NO ADDITIONAL COST TO THE COSA. REERENCE SPECIFICATION 804 NEW TREE & SHRUB PLANTING & MAINTENANCE.

17. NO GRADE CHANGE MORE THAN 3" IS ALLOWED WITHIN THE ROOT PROTECTION ZONE.
18. THE CONTRACTOR SHALL NOTIFY RESIDENCES PRIOR TO REMOVAL OF ANY OF ANY TREE OR SHRUBBERY LOCATED IN THE CONSTRUCTION AREA. CONTRACTOR SHALL SALVAGE REMOVED SHRUB AT RESIDENT'S REQUEST AND PLACE JUST INSIDE THE RIGHT OF WAY ON THE RESIDENT'S PROPERTY. (NO SEPARATE PAY ITEM)

ACCESSIBILITY REQUIREMENTS

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN VEHICULAR AND PEDESTRIAN ACCESS AT ALL TIMES TO LOCAL RESIDENCES AND BUSINESSES.
2. WHEN THE WORK REQUIRES THE EXCAVATION OF THE STREET AND THE REMOVAL THE EXISTING DRIVEWAY APPROACHES AND SIDEWALKS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY ALL-WEATHER ACCESS TO THE BUSINESSES AND RESIDENCES. THE TEMPORARY DRIVEWAY APPROACHES SHALL BE CONSTRUCTED WITH MILLINGS OR ASPHALT AT NO SEPARATE COST TO THE CITY.
3. PRIOR TO INITIATING THE CONSTRUCTION OF NEW DRIVEWAY APPROACHES, THE CONTRACTOR SHALL GIVE ADVANCE WARNING IN PERSON, OR IN WRITING AT LEAST 48 HOURS TO EACH RESIDENCE THAT WILL BE IMMEDIATELY AFFECTED, SO THAT ALTERNATE PLANS MAY BE MADE BY THE RESIDENTS.
4. FOR BUSINESSES WITH MORE THAN ONE DRIVEWAY, AT LEAST ONE DRIVEWAY SHALL REMAIN OPEN WHILE THE OTHER NEW DRIVEWAY APPROACHES ARE CONSTRUCTED. FOR BUSINESSES WITH ONLY ONE DRIVEWAY, THE NEW DRIVEWAY APPROACH SHALL BE CONSTRUCTED IN HALF WIDTHS, UNLESS A TEMPORARY ASPHALT DRIVEWAY IS FIRST INSTALLED AT NO SEPARATE COST TO THE CITY.

TRAFFIC NOTES AND SPECIAL CONDITIONS

1. IT IS THE CONTRACTOR'S 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, 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, 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. FOR THIS CONTRACT, CONTRACTOR WILL NOT RECEIVE COMPENSATION FOR TRAFFIC CONTROL PLANS AND DEVICES; COST INCURRED FOR THESE ITEMS SHALL BE INCLUDED IN VARIOUS OTHER BID ITEMS.

2. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE CITY OF SAN ANTONIO TRAFFIC OPERATIONS DEPARTMENT AT 207-7765 FOR A TRAFFIC SIGN AND TRAFFIC SIGNAL INVENTORY AND TRAFFIC LOOP LOCATES AT ALL SIGNALIZED INTERSECTIONS. PRIOR TO COMPLETION OF THE CONTRACT AND REMOVAL OF THE BARRICADES, THE CONTRACTOR SHALL AGAIN CONTACT THE TRAFFIC OPERATIONS DEPARTMENT. THE BARRICADES SHALL NOT BE REMOVED UNTIL ALL APPLICABLE PERMANENT TRAFFIC SIGNS AND SIGNALS ARE IN PLACE.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND MAINTAIN TEMPORARY STOP SIGNS AND ALL OTHER TRAFFIC CONTROL DEVICES REQUIRED TO PROTECT THE GENERAL PUBLIC. IF THE CITY OF SAN ANTONIO HAS REMOVED PERMANENT STOP SIGNS, THE CONTRACTOR SHALL REQUEST THAT THE SIGNS BE RETURNED TO THE CONSTRUCTION SITE TO BE REINSTALLED BY THE CONTRACTOR. ALL PERMANENT SIGNS OR TRAFFIC CONTROL DEVICES MISSING OR DAMAGED UPON COMPLETION OF CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR MUST CONTACT THE CITY'S COI 48 HOURS IN ADVANCE (NOT INCLUDING WEEKENDS) OF ANY MINOR STREET CLOSURE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADVISE THE COI 10 DAYS IN ADVANCE OF AN ARTERIAL TOTAL STREET CLOSURE. THIS MUCH TIME IS NECESSARY TO INSTALL ADVISORY SIGNS AND GIVE THE MOTORISTS A MINIMUM OF 7 DAYS NOTICE OF THE STREET CLOSURE. AFTER BEING NOTIFIED, THE COI WILL CONTACT THE TRAFFIC ENGINEERING OFFICE TO MAKE THE NECESSARY ARRANGEMENTS.
5. WORK AROUND SCHOOLS SHALL BE SCHEDULED TO ELIMINATE IMPACTS TO THE SCHOOL. LANES SHALL NOT BE CLOSED DURING THE TIME STUDENTS ARE BEING DROPPED OFF AND PICKED UP FROM SCHOOL. WORK WITHIN A SCHOOL ZONE CAN ONLY OCCUR BETWEEN THE HOURS OF 9 AM AND 2 PM. THERE WILL BE SEPARATE PAYMENT FOR REDUCED WORKING TIMES.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL SIGNS AND BARRICADES ARE PROPERLY INSTALLED AND MAINTAINED. ALL LOCATIONS AND DISTANCES WILL BE DECIDED UPON IN THE FIELD BY THE CONTRACTOR, USING THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
 - MULTILANE USE TXDOT TOP'S
 - LOCAL STREET CLOSURES USE CITY STANDARDS
 - UNIQUE SITUATIONS USE TMUTCD, NEED PRIOR APPROVAL
7. FOR STREETS LISTED ON THE CITY OF SAN ANTONIO'S MAJOR THOROUGHFARE PLAN, THE CONTRACTOR SHALL SUBMIT AN ENGINEERED TRAFFIC CONTROL PLAN TO THE CITY OF SAN ANTONIO TWO WEEKS PRIOR TO COMMENCING WORK. (NO SEPARATE PAY ITEM)
8. THE CONTRACTOR SHALL MAINTAIN TRAFFIC ON THE PROJECT STREETS THROUGHOUT CONSTRUCTION. IN THE EVENT THE CONTRACTOR MUST CLOSE A STREET TO TRAFFIC,

HE SHALL OBTAIN PERMISSION FROM THE TRAFFIC ENGINEERING DEPARTMENT AND SHALL PROVIDE A MINIMUM FORTY EIGHT (48) HOURS NOTICE TO THE FIRE DEPARTMENT AND POLICE DEPARTMENT.

9. AS WORK PROGRESSES, LOCATIONS OF TEMPORARY TRAFFIC CONTROL DEVICES WILL BE ADJUSTED AND MODIFIED, AS NECESSARY, BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO PROVIDE CONTINUOUS TRAFFIC FLOW. THE CONTRACTOR SHALL SUPPLY TWO WORKING PORTABLE CHANGEABLE MESSAGE SIGNS FOR USE THROUGHOUT THE CONTRACT.
10. 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.
11. 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.
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. (NO SEPARATE PAY ITEM)
13. PERMANENT PAVEMENT MARKINGS SHALL BE APPLIED PRIOR TO THE OPENING OF THE COMPLETED STREET TO TRAFFIC IF APPLICABLE. TEMPORARY ADDITIONAL SHORT-TERM EXPENDABLE PAVEMENT MARKINGS MAY BE PROVIDED PRIOR TO THE APPLICATION OF PERMANENT MARKINGS, 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, ECT. SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT DIRECT PAYMENT, UNLESS OTHERWISE NOTED OR STATED. 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.
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. UNLESS OTHERWISE DIRECTED BY THE ENGINEER, 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. CONTRACTOR SHALL MAINTAIN AT LEAST ONE LANE OPEN TO TRAFFIC AT ALL TIMES. UNIFORMED OFF-DUTY POLICE OFFICER SHALL BE ON SITE IF ONE LANE CANNOT REMAIN OPEN.

18. OFF-DUTY POLICE OFFICERS WILL BE REQUIRED AS DIRECTED BY THE TRAFFIC ENGINEER. THIS WILL BE A REQUIREMENT WHERE TWO-WAY TRAFFIC IS TO BE MAINTAINED. ALL OFF DUTY OFFICERS AND CONTRACTOR CREWS HANDLING TRAFFIC MUST BE LISTED AS CERTIFIED OR QUALIFIED FLAGGERS BY CONTRACTOR. THERE WILL BE NO DIRECT PAYMENT FOR CERTIFICATIONS.
19. CONTRACTOR SHALL SCHEDULE HIS WORK SUCH THAT EACH STREET WILL BE SUBSTANTIALLY COMPLETE PRIOR TO MOVING HIS CONSTRUCTION OPERATION TO ANOTHER STREET. MORE THAN ONE STREET CAN BE UNDER CONSTRUCTION IF PRIOR APPROVAL IS OBTAINED FROM THE CITY AND EACH STREET HAS CONTINUOUS, ACTIVE AND UNINTERRUPTED CONSTRUCTION OPERATION ON THAT STREET.
20. ALL EXISTING PAVEMENT MARKERS SHALL BE REMOVED BY THE CONTRACTOR ONLY AS THE WORK PROGRESSES AND AS APPROVED BY THE CITY INSPECTOR. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS. MATERIALS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
21. THE CONTRACTOR SHALL NOT COMMENCE WORK ON A STREET PRIOR TO 8 A.M. WHEN APPROVED BY COSA TRAFFIC OPERATIONS DEPARTMENT. THE PLACEMENT AND MOVEMENT OF SIGNS AND BARRICADES CONSTITUTES WORK AND SHALL NOT BE STARTED UNTIL AFTER THE 8 A.M. TIME FRAME.
22. 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 227-8341 AND THE POLICE DEPARTMENT AT 207-2257, TO APPRISE THEM OF THE PENDING STREET CLOSURE AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE. IF THE CLOSURE FALLS ALONG A BUS ROUTE, THE CONTRACTOR SHALL ALSO CONTACT VIA AT 362-5220. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SUITABLE ACCESS ACCOMMODATIONS FOR SCHOOL CHILDREN AND PEDESTRIANS.
23. THE CONTRACTOR SHALL MAINTAIN EITHER THE EXISTING OR TEMPORARY STREET NAME SIGN 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. 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.) (NO SEPARATE ITEM).
24. AFTER MANHOLE AND VALVE BOX ADJUSTMENTS ARE COMPLETED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY BARRICADE AND MAINTAIN THE BARRICADES TO ENSURE THAT THE PUBLIC IS SAFEGUARDED WHILE TRAVELING WITHIN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL CONTACT THE TRAFFIC ENGINEER FOR A REVIEW OF THE ADEQUACY OF THE BARRICADES. THERE WILL BE NO SEPARATE PAYMENT FOR THIS ITEM.
25. ALL TRAFFIC CONTROL DEVICES, PLACEMENT AND ACTIVITIES SHALL BE AS PER THE LATEST EDITION OF THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES

(TMUTCD). IF THERE IS ANY CONFLICT BETWEEN THE TMUTCD AND TRAFFIC CONTROL REQUIREMENTS WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEER IMMEDIATELY.

26. FOR STREETS, WHICH ACCOMMODATE FOUR (4) OR MORE TRAFFIC LANES, THE FOLLOWING RESTRICTIONS WILL APPLY:
 - TWO-WAY TRAFFIC SHALL BE MAINTAINED.
 - A MINIMUM OF TWO LANES SHALL REMAIN OPEN FOR TRAFFIC.
 - NO MORE THAN 1,000 LINEAR FEET OF A ROADWAY LANE MAY BE CLOSED DURING CONSTRUCTION OPERATION, UNLESS PERMITTED BY THE CITY OF SAN ANTONIO.
 - A MINIMUM OF ONE (1) OFF-DUTY POLICE OFFICER MAY BE REQUIRED ON-SITE DURING BASE REPLACEMENT, SLURRY SEALING, MILLING, AND HMAC OVERLAY OPERATIONS.
27. FLASHING WARNING LIGHTS AND/OR FLAGS SHALL BE USED TO CALL ATTENTION TO ALL ADVANCE WARNING SIGNS.
28. SIGNS WHICH READ "FRESH OIL" SHALL BE PLACED AT EACH END OF WORK AREA AND ALL TURNOUTS ADJACENT TO WORK AREAS WHERE ASPHALT WORK IS BEING PERFORMED UNTIL SUCH TIME THAT THE CITY INSPECTOR GIVES PERMISSION FOR THEIR REMOVAL. (NO SEPARATE PAY ITEM)
29. ALL TRAFFIC MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE CITY TRAFFIC ENGINEER. HE SHALL BE GIVEN A MINIMUM OF SEVENTY-TWO (72) HOURS NOTICE PRIOR TO THE APPLICATION OF ANY MARKINGS.
30. THE CITY OF SAN ANTONIO PROJECT MANAGER AND CONTRACTOR SHALL NOTIFY TXDOT PRIOR TO WORKING AT THE INTERSECTION OF ANY STATE OWNED OR MAINTAINED ROADWAY.
31. ALL STREETS, FOR THEIR FULL WIDTH, SHALL BE OPENED TO TRAFFIC AT THE END OF THE WORK PERIOD.
32. AT NO DIRECT PAYMENT, APPROVED TEMPORARY SHORT-TERM EXPENDABLE PAVEMENT MARKINGS, VERTICAL PANELS OR REFLECTIVE ROAD MARKER TABS SHALL BE PROVIDED TO DELINEATE LANE CONTINUITY PRIOR TO THE APPLICATION OF STANDARD MARKINGS. ONCE THE EXISTING STANDARD PAVEMENT MARKINGS HAVE BEEN OBLITERATED, SUCH DEVICES SHALL REMAIN IN PLACE FOR A MAXIMUM OF FOURTEEN (14) DAYS AFTER WHICH TIME STANDARD THERMOPLASTIC MARKINGS MUST BE APPLIED.
33. CONTRACTOR TO CONTACT THE CITY TRAFFIC ENGINEER OFFICE AT 207-7758 FORTY-EIGHT (48) HOURS PRIOR TO SIDEWALK AND CURB CONSTRUCTION WHERE CITY OWNED TRAFFIC FACILITIES EXIST. CONTRACTOR SHALL SECURE APPROVAL FROM THE CITY TRAFFIC ENGINEER PRIOR TO SUCH CONSTRUCTION.
34. LOCATION AND LAYOUTS OF DETECTOR LOOP REPLACEMENTS SHALL BE VERIFIED BY THE CITY ENGINEER PRIOR TO THEIR REMOVAL AND INSTALLATION.
35. CONTRACTOR TO CONTACT CITY TRAFFIC ENGINEERING SEVEN (7) DAYS PRIOR TO

COMMENCING WORK ON STREETS WITH BIKE LANE MARKING. LAYOUT SHALL BE PROVIDED TO THE CONTRACTOR BY THE CITY TRAFFIC ENGINEER.

36. DURING STREET RECLAMATION, THE CONTRACTOR SHALL ALLOW RESIDENTS TRAFFIC ACCESS TO THE STREET WITH PROPER GUIDANCE, DIRECTION, FLAGMEN AND TRAFFIC CONTROL AND ONLY AT SUCH TIME THAT DAMAGE WILL NOT OCCUR TO THE NEW ASPHALT OR TO THE VEHICLES. THIS INCLUDES BUT IS NOT LIMITED TO DAMAGE RESULTING FROM TACK COAT ON THE VEHICLES PAINTED SURFACES.
37. IF POSSIBLE, THE CONTRACTOR SHALL SCHEDULE AND CONDUCT STREET OPERATIONS IN THE INTERSECTIONS AS RAPIDLY AS POSSIBLE TO MINIMIZE THE LENGTH OF TIME THE INTERSECTIONS WILL BE CLOSED TO TRAFFIC.
38. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL STREETS OUTSIDE OF THE PROJECT LIMITS, WHICH ARE DAMAGED DUE TO CONSTRUCTION ACTIVITIES; THE CITY'S STREET ENGINEER MUST APPROVE THE REPLACED SECTION. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK; THE COST IS TO BE INCLUDED IN OTHER ITEMS.
39. IF REQUIRED, THE BARRICADE COMPANY SHALL SUPPLY THE CONTRACTOR WITH A SUFFICIENT NUMBER OF QUALITY STANDARD BARRICADES AND OTHER TRAFFIC CONTROL DEVICES BY M. U. T. C. D. STANDARDS AS NEEDED. THE BARRICADE COMPANY SHALL ALSO SUPPLY THE CONTRACTOR WITH TWO (2) FULL TIME QUALIFIED PERSONNEL WHOSE SOLE RESPONSIBILITIES PERTAINING TO THIS PROJECT ARE TO ESTABLISH AND MAINTAIN PROPER CONSTRUCTION WORK ZONE TRAFFIC CONTROL AND RELATED DEVICES. THESE PERSONS SHALL PROVIDE DOCUMENTED EVIDENCE THEY HAVE RECEIVED SPECIALIZED TRAINING IN CONSTRUCTION WORK ZONE TRAFFIC CONTROL WITHIN TWO YEARS ON THE CONTRACT DATE. ANY AND ALL TRAFFIC CONTROL DEVICES NEEDED AND NECESSARY PERSONNEL WILL BE AT THE CONTRACTOR'S EXPENSE.
40. ALL NEWLY CONSTRUCTED CURBS SHALL BE FREE OF TACK COAT AND CLEANED PRIOR TO PROJECT COMPLETION.

UTILITY GENERAL NOTES

1. CALL THE TEXAS STATE WIDE ONE CALL LOCATOR NUMBER 1-800-344-8377, FORTY-EIGHT (48) HOURS BEFORE BEGINNING EXCAVATION.
2. CALL CPS ENERGY LOCATOR AT 978-3500, FORTY-EIGHT (48) HOURS BEFORE BEGINNING ANY EXCAVATION.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING CPS ENERGY OVERHEAD AND UNDER GROUND ELECTRIC FACILITIES IF ADJACENT TO WORK AREA.
4. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, C. P. S. ENERGY MUST MAINTAIN ACCESS TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS LINES AND VALVES THAT ARE IN THE PROJECT AREA. CONTRACTOR IS NOT PERMITTED TO ADJUST CPS GAS VALVES AND MUST CONTACT CPS FOR FINAL VALVE BOX ADJUSTMENT.

5. THE CONTRACTOR SHALL PROTECT TELEPHONE COMPANY EQUIPMENT AND OPERATIONS DURING CONSTRUCTION.
6. ALL MANHOLES AND OTHER UTILITY STRUCTURES IN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO THE FINISHED GRADE. THIS ADJUSTMENT SHALL BE COMPLETED WITHIN ONE (1) WEEK AFTER PLACEMENT OF ASPHALT INCLUDING CONCRETE COLLAR AROUND THE MANHOLE. ALL PAY ITEMS INCLUDED IN BID PROPOSAL SHALL BE ADJUSTED WITHIN SEVEN (7) DAYS.
7. BUILDING PAPER SHALL BE PLACED OVER ALL MANHOLES, VALVE BOXES, GRATES, ETC., SO AS TO PROTECT THE SURFACES FROM ASPHALTIC MATERIALS DURING APPLICATION OF SEAL COAT OR TACK COAT. ASPHALT MATERIALS SHALL NOT BE PLACED, LAPPED, OR SPLASHED ONTO ADJACENT STRUCTURES OR SURFACES.
8. ALL MANHOLES AND VALVE BOXES SHALL BE ADJUSTED SO THAT THE RING AND COVER ARE WITHIN 6-INCH MAXIMUM OF THE FINISHED GRADE OF THE NEW PAVEMENT. A SINGLE PAYMENT AT THE CONTRACTOR'S UNIT BID PRICE SHALL BE MADE FOR EACH MANHOLE AND VALVE BOX ADJUSTED TO THE FINISHED GRADE OF THE NEW PAVEMENT. ALL UTILITY ADJUSTMENTS SHALL BE PERFORMED WITHIN 24 HOURS OF PAVING. ALL ADJUSTMENTS SHALL CONFORM TO THE "MANHOLE CONCRETE ENCASEMENT DETAIL" INCLUDED IN THE BACK OF THIS SPECIFICATION BOOKLET. DETAIL IS SHOWN TO INSTALL A CIRCULAR CONCRETE COLLAR AROUND THE MANHOLE. CIRCULAR CONCRETE COLLAR TO BE 12-INCHES THICK CENTERED ON MANHOLE WITH FOUR RADIAL ½-INCH SCORE MARKS. COLLAR DIAMETER TO BE O. D. OF RING PLUS 12 INCHES. VALVE BOXES ARE NOT REQUIRED TO HAVE CONCRETE COLLARS AFTER FINAL ADJUSTMENT. CONCRETE COLLARS FOR MANHOLES ARE INCLUSIVE IN MANHOLE ADJUSTMENT AND WILL RECEIVE NO DIRECT PAYMENT.

EROSION CONTROL AND SEDIMENTATION/STORM WATER POLLUTION PREVENTION PLAN

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING, IMPLEMENTING AND MAINTAINING A STORM WATER POLLUTION PREVENTION PLAN (SW3P) FOR THE DURATION OF THE CONSTRUCTION AS DESCRIBED IN ITEM NO. 540. ALL COSTS FOR FURNISHING, IMPLEMENTING AND MAINTAINING ANY ON SITE POLLUTION CONTROL MEASURES REQUIRED BY THE SW3P (EG. SILT FENCING, CONSTRUCTION EXITS, GRAVEL FILTER BAGS, ETC.) SHALL BE PAID FOR IN THE APPROPRIATE BID ITEMS.
2. CONTRACTOR WILL BE RESPONSIBLE FOR COMPLIANCE WITH TCEQ'S TPDES PROGRAM FOR CONTROL OF SILT AND EROSION.
3. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES. THE EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND FUNCTIONAL UNTIL AFTER THE PROPOSED IMPROVEMENTS ARE IN PLACE.
4. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND SIDEWALKS ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM CONSTRUCTION AT ALL TIMES.
5. SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY EMBANKMENT OR

EXCAVATION WORK BEING DONE. WHEN THE PROJECT IS COMPLETE AND THE ENTIRE SITE IS COMPLETELY STABILIZED, THE SEDIMENT CONTROL DEVICES AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER. THE CONTRACTOR HAS THE ULTIMATE RESPONSIBILITY FOR THE EFFECTIVE CONTROL OF EROSION AND SEDIMENTATION.

6. THE CONTRACTOR SHALL SEED OR SOD A COMPLETED EMBANKMENT AS SOON AS PRACTICAL, BUT NO LATER THAN 14 DAYS AFTER AN EMBANKMENT IS COMPLETE. ALL SODDING SHALL BE PAID FOR UNDER ITEM NO. 516. "SODDING" AT THE SINGLE UNIT PRICE AS BID PER THE CONTRACT.
7. THE SITE SHALL BE REVIEWED WEEKLY AND AFTER ANY MAJOR STORM EVENTS; ADJUSTMENTS AND REPAIRS TO THE EROSION CONTROL DEVICES SHALL BE MADE AS NEEDED.

ITEM NO. 851-a

LOCATING AND ADJUSTING EXISTING MANHOLES

851-a 1. DESCRIPTION: This item shall consist of the locating manholes, cutting asphalt, replacing asphalt, and adjustment of all existing manholes to include the replacing of existing manhole covers and rings regardless of type shown on the plans and in conformity with the provisions of these specifications.

851-a 2. CONSTRUCTION: Locate manholes using maps and metal detectors. Cut and replace asphalt as necessary. Manholes shall be lowered below subgrade before placing base materials and openings shall be protected by temporary hatch covers. Existing manhole rings and covers which are determined by the SAWS inspector to be in an unacceptable condition, will be removed and replaced with new rings and cover. Contractor shall take all necessary measures to prevent damage to existing or new rings, covers, or cones from equipment and materials used in, or taken through, the work area. If an existing or new manhole cover, ring, or cone is damaged by the Contractor, it shall be replaced (as directed by SAWS inspector) by the Contractor at his expense. Manholes shall be adjusted after the base material has been laid and before placement of the final surface course. Manholes that are going to be adjusted on an existing surface course (not planned for replacement) will be in accordance with City of San Antonio Utility Excavation Criteria Manual Standard Drawing No. 8.8. All manholes shall then be raised, or lowered a sufficient height so as to be level with the finished surface course. Adjustment in height will be made by the addition or removal of "throat rings" above the manhole cone, where feasible. A minimum of two and a maximum of six "throat rings" shall be used at each adjusted manhole. Material excavation from around the manholes shall be replaced with concrete in accordance with Standard Drawings, and select materials from the excavation (as shown on the plans or specified by the SAWS). All excess materials shall be disposed of by the Contractor at his own expense in an approved location. Contractor shall furnish and install a 5' x 5' x 1" thick steel plate over concrete collars at the discretion of the city inspector or project manager until concrete has reached its ultimate strength. Steel plate shall not be removed until concrete collar around manhole has reached its ultimate strength.

851-a 3. MEASUREMENT: Manholes located and completely adjusted, as prescribed above, will be measured by the unit of each manhole located and adjusted. The excavation, steel plate and the amount of asphalt, concrete or reinforced concrete as necessary to fill the area excavated will not be measured for payment.

851-a 4. PAYMENT: The work performed as prescribed by this item will be paid for at the contract unit price bid per manhole for "Locating and Adjusting Existing Manholes" which price shall be full compensation for all excavation, including saw cutting of surfaces as required, reinforced concrete and disposal of material excavated, 5' x 5' x 1" thick steel plate; for furnishing and placing all materials and for all labor, tools, equipment and incidentals necessary to complete the work.

SPECIAL PROVISION

Item 205 Hot Mix Asphaltic Concrete Pavement

Delete:

Section 205.5 Measurement in its entirety

Section 205.6 Payment 1st paragraph

Section 205.7 Bid Item in its entirety

Add:

Section 205.4 Construction G. Placement 7. Acceptable mat ranges

The thickness type used for Type D Asphalt for this Contract shall be 2.0" Compacted depth. Below are acceptable average ranges for 2.0" thick Type D:

Type D, 2.0" Compacted Depth

Shall be applied at 220 LBS/SY

Minimum Average Rate – 210 LBS/SY

Maximum Average Rate – 230 LBS/SY

Section 205.5 Measurement:

Hot Mix Asphaltic Concrete Pavement shall be measured by the tonnage, complete in place, as per the thickness specified by the plans, Engineer or Project Manager. Limits of payment for Type D will be from face of curb to face of curb. Pavement area shall not exceed the limits shown on the plans without written authorization. In the event the average rate for 2.0" Type D Asphalt falls below the approved ranges as stated in this provision, the newly laid asphalt will not be measured for payment and shall be removed and replaced at the contractor's expense. For situations where the contractor exceeds the maximum average rate for 2.0" Type D Asphalt, the excess asphalt will not be measured for payment.

Section 205.6 Payment:

The work performed and materials furnished, as described by this item and measured as provided in this provision, shall be paid for at the contract unit bid price per ton of "Hot Mix Asphaltic Concrete Pavement," which price shall be full compensation for furnishing and placing all materials, and for all labor, tools, equipment and incidentals necessary to complete the work. The tack coat, when required, shall be paid under the provisions of Item 203.

As specified in the Measurement section of this provision, if the specified thickness is not achieved and falls below the average acceptable rate, the contractor will not be paid and will be required to remove and replace the entire area that did not fall within the acceptable range at his expense. Once the average rate is satisfactorily met, the contractor will be paid at the contract unit bid price per ton of "Hot Mix Asphaltic Concrete Pavement" for the successful surface course mat.

If the contractor exceeds the maximum average rate as specified in this provision for Type D at the depth specified, the amount laid over maximum average rate for the specified thickness will not be paid.

Section 205.7 Bid Item:

Item 205.4 – Hot Mix Asphaltic Pavement, Type D (2.0” Thick) – Per TON

SPECIAL PROVISION

Item 230 Base and Pavement Replacement

Delete:

Section 230.5 Measurement in its entirety

Section 230.6 Payment in its entirety

Section 230.7 Bid Item in its entirety

Add:

Section 230.4 Construction G. Placement & Acceptable Base Repair Ranges

If not indicated on the plans, the Engineer or Project Manager will make the determination on site what thickness is required for each base replacement. The thickness types used for Type B Base and Pavement Replacement for this Contract shall be either 6.0" or 8.0" Compacted depth as specified by the Engineer or Project Manager. Below are acceptable average ranges for 6.0" and 8.0" thick Type B asphalt base replacement layers:

6.0" Compacted Depth (Type B)

Shall be applied at 660 LBS/SY

Minimum Average Rate – 630 LBS/SY

Maximum Average Rate – 690 LBS/SY

8.0" Compacted Depth (Type B)

Shall be applied at 880 LBS/SY

Minimum Average Rate – 870 LBS/SY

Maximum Average Rate – 890 LBS/SY

Section 230.5 Measurement:

Type B Hot Mix Asphaltic Concrete Pavement Base and Pavement Replacement shall be measured by the tonnage, complete in place, as per the thickness specified by the Engineer or Project Manager. Base replacement area shall not exceed the limits discussed and confirmed between the Contractor and Engineer or Project Manager. In the event the average rate for a 6.0" Type B Asphalt base replacement falls below the approved minimum rate as stated in this provision, measurement will not be taken and the Contractor will be required to remove and replace at his expense to meet the acceptable base replacement range for 6.0". For situations where the contractor exceeds the maximum average rate for 6.0" or 8.0" Type B Asphalt for base replacement, the excess asphalt will not be measured for payment.

Section 230.6 Payment:

The work performed and materials furnished, as described by this item and measured as provided in this provision, shall be paid for at the contract unit bid price per ton of "Base and Pavement Replacement," which price shall be full compensation for furnishing and placing all materials, and for all labor, tools, equipment and incidentals necessary to complete the work.

The prime coat, when required, will not be paid for directly, but shall be included in various other bid items.

As specified in the Measurement section of this provision, if the specified thickness for a 6.0” base replacement falls below the average acceptable rate, the contractor will not be paid and will be required to remove and replace the entire area that did not fall within the acceptable range at his expense. Once the average rate for 6.0” is satisfactorily met, the contractor will be paid at the contract unit bid price per ton of “Hot Mix Asphaltic Concrete Pavement” for the successful surface course mat.

If the contractor exceeds the maximum average rate as specified in this provision for 6.0” or 8.0” Type B asphalt base replacement, the amount laid over maximum average rate for the specified thickness will not be paid.

Section 230.7 Bid Item:

Item 230.3 – Replacing Base and Pavement with Type B Pavement (6.0” Thick) – Per TON

Item 230.3 – Replacing Base and Pavement with Type B Pavement (8.0” Thick) – Per TON

SUPPLEMENTAL SPECIFICATION 14

Portable Changeable Message Sign (PCMS) (Electronic Message Board)

SUP 5.1 DESCRIPTION: Provide portable electronic message boards to notify the general public of construction activities for upcoming and ongoing projects.

SUP 5.2 MATERIALS: N/A.

SUP 5.3 EQUIPMENT: Provide equipment necessary to conduct the work specified herein or as directed by the Engineer.

SUP 5.4 CONSTRUCTION: Perform all work in conformance with this section unless otherwise shown on the plans. Provide two (2) portable electronic message boards as directed by Project Manager or Engineer per location. Text for message boards will be provided by Project Manager or Engineer. Not all projects will require portable electronic message boards. Project locations will be determined by the Project Manager or Engineer. Contractor must be able to provide electronic message boards for the duration of specified projects throughout the duration of the contract. Contractor must also have one (1) portable electronic message board on standby in the event one of the message boards in use breaks down.

SUP 5.5 MEASUREMENT: Portable Electronic Message Boards, as prescribed above, will be measured by the unit of each electronic message board required for the duration of the contract. The equipment required to store, relocate and transport the message boards will not be measured for payment. Adjusting messages will also not be measured for payment. The standby electronic message boards will not be measured for payment.

SUP 5.6 PAYMENT: The work performed as prescribed by this item will be paid for at the contract unit price bid per message board for "Portable Electronic Message Boards" which price shall be full compensation for all storage, transportation, set up and maintenance; for stand by electronic message board; for furnishing and placing all materials and for all labor, tools, equipment and incidentals necessary to complete the work.

BID ITEM:

SUP 5 – Portable Changeable Message Sign (Electronic Message Board) – per Each



Note: Addenda Acknowledgement Form for Addendum 1 is attached herein. This form must be signed and submitted with the bid package.

RECEIPT OF ADDENDUM NUMBER(S) 1 IS HEREBY ACKNOWLEDGED FOR PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF THE FY 2015 – 2016 RECLAMATION AND RECONSTRUCTION TASK ORDER CONTRACT PACKAGE 4

FOR WHICH BIDS WILL BE OPENED ON **TUESDAY, SEPTEMBER 16, 2014 AT 2:00 P.M.**

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

Company Name: _____

Address: _____

City/State/Zip Code: _____

Date: _____

Signature

Print Name/Title