

**AMENDMENT #1
TO
CIVIL ENGINEERING DESIGN SERVICES
ROOSEVELT CORRIDOR IMPROVEMENTS PROJECT
PROJECT NUMBER: 23-01605**

This amendment to the Civil Engineering Design Services Agreement for the Roosevelt Corridor Improvements Project authorized by **Ordinance No. 2017-10-05-0742**, is entered into by and between the **City of San Antonio ("City")**, a home rule municipal corporation, and **Don Durden, Inc. dba Civil Engineering Consultants ("Consultant")**, referred to collectively herein as the "Parties".

WHEREAS, in October 2017 through **Ordinance No.2017-10-05-0742**, the City authorized the negotiation and execution of 48 professional services contracts for civil engineering services; and

WHEREAS, pursuant to the aforementioned ordinance City and Consultant entered into the Civil Engineering Design Services Agreement for the Roosevelt Corridor Improvements Project in an amount not to exceed **\$283,572.00** ("Original Agreement"); and

WHEREAS, the project has been modified to eliminate the design of the closure of Old Roosevelt from the scope of services, convert the existing 4-lane roadway to a 3-lane- roadway with bike amenities, implement public involvement findings, upgrade the traffic signal at Roosevelt Ave. and Steves Ave. intersection, add a storm drain system at Roosevelt Ave. and Highlands Blvd., and include sidewalks throughout the project limits; and

WHEREAS, it is necessary to amend the Original Agreement to add additional engineering design, bid, construction phase, and close out phase services for the project modifications; and

WHEREAS, this amendment increases the total contract capacity by **\$208,197.50** to provide for the cost of the additional services;

NOW THEREFORE, in consideration of the terms, covenants, agreements and demises herein contained each to the other given, the sufficiency and receipt of which are hereby acknowledged, the Original Agreement, as previously amended, is amended as follows:

1. **Exhibit 1 - Fee Summary.** The not-to-exceed contract amount set out in Exhibit 1 – Fee Summary of the Original Agreement is hereby increased by **TWO HUNDRED EIGHT THOUSAND ONE HUNDRED NINETY-SEVEN AND 50/100 DOLLARS (\$208,197.50)** for a total not-to-exceed contract amount of **FOUR HUNDRED NINETY-ONE THOUSAND SEVEN HUNDRED SIXTY-NINE AND 50/100 DOLLARS (\$491,769.50)**.
2. **Exhibit A.** The Scope of Services/Schedule of Project Services/Fee Summary attached hereto as Attachment 1 is hereby incorporated into and made a part of Exhibit A of the Original Agreement.

Except as amended hereby, all other provisions of the Agreement are hereby retained in their entirety and remain unchanged.

EXECUTED and **AGREED** to as of the dates indicated below.

CITY OF SAN ANTONIO

**DON DURDEN, INC.
DBA
CIVIL ENGINEERING CONSULTANTS**

(Signature)

Razi Hosseini, P.E., R.P.L.S.
Director/City Engineer

Public Works Department

Date: _____

DocuSigned by:

Kyle Gass

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(Signature)

Printed Name: Kyle Gass

Title: Division Manager

Date: 7/13/2020

Approved as to Form:

Assistant City Attorney

ATTACHMENT 1

SCOPE OF SERVICES/SCHEDULE OF PROJECT SERVICES/FEE SUMMARY

FEE SUMMARY AND TIMELINE FOR PROFESSIONAL SERVICES

Project: **Roosevelt Ave (South St. Mary's Street/UPRR Crossing to Steves Ave)**

Prime Consultant: **Civil Engineering Consultants**

Subconsultant: **CNG Engineering
Fisher Heck Architects
Maestas & Associates Inc.**

Proposal Date: **6/12/2020**

Prepared By: **Kristina Saenz, P.E.**

Original Bond Scope

Roosevelt Ave (South St Mary's Street/UPRR Underpass to Steves Ave) – Corridor improvements to include sidewalks and ADA access between Mission Rd and Steves Ave, and rehabilitation of the St. Mary's Street UPRR underpass.

Original Bond Goals

- Rehabilitate the St. Mary's Street UPRR underpass and provide pedestrian ramps.
- Close access to Old Roosevelt.
- Enhance improvements at the Mission Rd / Roosevelt Ave intersection (south of 'Old' Groves St).
- Provide pedestrian connectivity to include the installation of sidewalk, curb and driveway approaches as needed.
- Upgrade traffic signal at the Roosevelt Ave / Mission Rd intersection.

New/ Additional Bond Goals

- Eliminate the design of the closure of Old Roosevelt from the scope of services
- Add Bike Lanes throughout and extend to existing Bike amenities at Roosevelt and Eagleland/ Carolina intersection.
- Add 70% Submittal phase to capture the Public Involvement findings
- Convert to 3-Lane (Road Diet) with Mill & Overlay
- Add upgrade to Traffic Signal at the Roosevelt Ave / Steves Ave. intersection.
- Add Storm drain system at Roosevelt Ave and Highlands Blvd.
- Revise to include new sidewalk throughout the project limits for continuity.

ACTIVITY	TIMELINE	FEE	
70% Design Phase	90	\$ 146,870.00	Added 90 day for 70% Submittal
1. CEC Amendment - TO-03		\$ 110,180.00	
4. MAI Amendment - TO-03		\$ 36,690.00	
95% Design Phase	60	\$ 32,120.00	
1. CEC Amendment - TO-03		\$ 14,065.00	
4. MAI Amendment - TO-03		\$ 18,055.00	
Bid Phase	15	\$ 11,110.00	
1. CEC Amendment - TO-03		\$ 4,120.00	
4. MAI Amendment - TO-03		\$ 6,990.00	
Construction Phase	305	\$ 17,247.50	Was 213 Days - Added 3 mths for Util Adj + Stormdrain
1. CEC Amendment - TO-03		\$ 12,187.50	
4. MAI Amendment - TO-03		\$ 5,060.00	
Project Closeout	30	\$ 850.00	
1. CEC Amendment - TO-03		\$ 850.00	
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TO-03 Rescoping Fee Total	500	\$ 208,197.50	

**City of San Antonio
Transportation and Capital Improvements**

Fee/Price Proposal Breakdown for Professional Services

Project Name:	Roosevelt Ave (South St. Mary's Street/UPRR Crossing to Steves Ave)
Name of Firm/Subconsultant:	Civil Engineering Consultants
Date Proposal Submitted:	6/12/2020
Project Manager:	Kristina Saenz, P.E.

Position/Personnel Title	Principal	Senior Engineer	Project Manager	Project Engineer	EIT I	CADD Tech II/ Eng Tech II	Survey Proj. Manager	Survey Crew- 2 men	Sr. Survey Tech	Survey Tech	Admin/ Clerial	Hours	Total Hours	Task/Phase Fee	
Fully-Loaded Hourly Wage Rates * (as defined below)	\$240.00	\$170.00	\$160.00	\$145.00	\$115.00	\$100.00	\$160.00	\$165.00	\$110.00	\$105.00	\$65.00				
Task to be performed/Phase Description	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Total Hours	Task/Phase Fee	
Basic Scope of Services															
70% Design															
														\$110,180.00	
1.	Initial Scope Meeting, Preliminary Engineering Report, and Project Management														
1.1.	Update Design Summary Report (DSR)													0	\$0.00
1.3.	General Sheets – Index, Summaries /Quantities, Notes													20	\$2,300.00
1.3.	rework Title Sheet, Index, Project Summary, General Notes														
1.4.	2 hr/ Conf Call/ Mth for 3 mths													1	
1.4.	Design Review Meeting													6	\$1,890.00
1.5.	Prepare Meeting Minutes													0.5	\$745.00
1.6.	Prepare Project Schedule													1	\$860.00
1.8.	Coordinate with Project Design Team													4	\$1,045.00
1.9.	Address 40% Review comments & response for concurrence, and update plans accordingly													2	\$2,040.00
1.9.	Condense PW#1, #2, and #3 comments and provide responses for concurrence, and update plan accordingly													4	\$3,160.00
													0	\$0.00	
2.	Right of Way Surveying														
Acquire Ownersmp information														\$0.00	
2.1.	Each parcel researched on BCAD, entered into Excel spreadsheet, and input into .DGN file													1	\$620.00
2.2.	Secure Right of Entry														\$0.00
2.3.	Survey ROW														\$0.00
2.3.2.	Apparent ROW only													5	\$2,965.00
													0	\$0.00	
3.	Topographic Surveying/ Base Mapping													1	\$305.00
3.1.	Establish Primary Project Control													1	\$2,465.00
3.3.	Set Project centerline or baseline														\$0.00
3.3.1.	50' Interval														\$0.00
3.4.	Survey topographic features														\$0.00
3.4.1.	From ROW to 5' into roadway from curb; plus 3' into adjacent properties													2	\$4,490.00
3.4.2.	5' into West EOP to CL to 5' into East EOP - Capture crown, surface Utilites, Storm Drain and inverts													2	\$4,360.00
3.4.3.	Topo 12 more driveway sites													1	\$1,805.00
3.4.4.	Update Topo Basemap													1	\$590.00

Position/Personnel Title Fully-Loaded Hourly Wage Rates * (as defined below)		Principal	Senior Engineer	Project Manager	Project Engineer	EIT I	CADD I/Eng Tech II	Survey Proj. Manager	Survey Crew- 2 men	Sr. Survey Tech	Survey Tech	Admin/ Clerial			
		\$240.00	\$170.00	\$160.00	\$145.00	\$115.00	\$100.00	\$160.00	\$165.00	\$110.00	\$105.00	\$65.00			
Task to be performed/Phase Description		Hours	Hours	Hours	Hours	Hours	Hours						Hours	Total Hours	Task/Phase Fee
3.7.	Survey Quality Level C locates													0	\$0.00
3.7.1.	Water													0	\$0.00
3.7.1.1.	Valve Box elevations													0	\$0.00
3.7.1.2.	Valve Stem elevations								2	2	1			5	\$655.00
3.7.2.	Sanitary Sewer													0	\$0.00
3.7.2.1	Manhole Rings and Covers elevations													0	\$0.00
3.7.2.2.	Invert elevations and details (sizes, configurations, flow directions, north arrow)								2	2	1			5	\$655.00
3.7.3	Natural Gas													0	\$0.00
3.7.3.1.	Valve Box elevations													0	\$0.00
3.7.3.2.	Valve Stem elevations								2	2	1			5	\$655.00
3.7.3.3.	Test box elevations								1	1	1			3	\$380.00
3.7.4.	Storm Drainage													0	\$0.00
3.7.4.1.	Manhole rings and covers elevations													0	\$0.00
3.7.4.2	Invert elevations and details								2	2	1			5	\$655.00
3.7.4.3	Curb inlets													0	\$0.00
3.7.4.3.1	Top elevations													0	\$0.00
3.7.4.3.2	Floor and invert elevations								0.5					0.5	\$82.50
3.7.4.3.3	Lateral details (sizes, configurations, flow directions, north arrow)								0.5					0.5	\$82.50
3.7.5	Underground Electric													0	\$0.00
3.7.5.1.	Manhole rings and covers elevations													0	\$0.00
3.7.7.2.	Vault elevations and dimensions								1.5	2	1			4.5	\$572.50
3.7.7.3.	Conduit elevations at vault								0.5					0.5	\$82.50
3.7.6.	Underground Telephone													0	\$0.00
3.7.6.1.	Manhole rings and covers elevations													0	\$0.00
3.7.7.2.	Vault elevations and dimensions								1.5	2	1			4.5	\$572.50
3.7.7.3.	Conduit elevations at vault								0.5					0.5	\$82.50
3.7.7.	Underground Cable Television													0	\$0.00
3.7.7.1.	Manhole rings and covers elevations													0	\$0.00
3.7.7.2.	Vault elevations and dimensions								1.5	2	1			4.5	\$572.50
3.7.7.3.	Conduit elevations at vault								0.5					0.5	\$82.50
3.7.8.	Develop Utility Basemap				2		4	4						10	\$1,180.00
3.7.10.	Mains and services; to be shown on roadway Plan-Plan layouts				2		4	4						10	\$1,180.00
														0	\$0.00
4.	Roadway and Drainage Design													0	\$0.00
4.1.	Establish typical Roadway Cross sections showing lane, sidewalk, and clear zone widths, etc. for Roosevelt Ave				4		6	4						14	\$1,730.00
4.2.	Develop Plan and Plan sheets for 1" = 50' plans on Roosevelt Ave from Mission Rd to Steves Ave; No existing ground profiles at CL or EOP				4	8	16	20						48	\$5,640.00
4.3.	Establish Horizontal Roadway alignments showing													0	\$0.00
4.3.1.	Centerline geometry (centerline bearings, PI, PC, and PT stations, centerline curve data, curb return radii, etc.)				1	1	8	8						18	\$2,025.00
4.3.2.	Curb locations and geometry					1	8	8						17	\$1,865.00
4.3.4.	Sidewalk widths and locations					1	4	8						13	\$1,405.00
4.5.	Establish Roadway profiles													0	\$0.00

Position/Personnel Title		Principal	Senior Engineer	Project Manager	Project Engineer	EIT I	CADD Tech III/ Eng Tech II	Survey Proj. Manager	Survey Crew- 2 men	Sr. Survey Tech	Survey Tech	Admin/ Clerial		
Fully-Loaded Hourly Wage Rates * (as defined below)		\$240.00	\$170.00	\$160.00	\$145.00	\$115.00	\$100.00	\$160.00	\$165.00	\$110.00	\$105.00	\$85.00		
Task to be performed/Phase Description		Hours	Hours	Hours	Hours	Hours	Hours						Total Hours	Task/Phase Fee
4.5.1.	Estimate storm drainage velocities			4	2	4							10	\$1,390.00
4.5.2.	Establish maximum flow capacity												0	\$0.00
4.7.	Design storm drainage facilities												0	\$0.00
4.7.1.	Roadways												0	\$0.00
4.7.1.4.	Identify potential utility conflicts and locations for SUE			2		2							4	\$550.00
4.8.	Miscellaneous Roadway Details												0	\$0.00
4.8.1	Curb ramp details at Intersections												0	\$0.00
4.8.2	Permanent road closure detail (Old Roosevelt Ave)												0	\$0.00
6.	Prepare Cross sections												0	\$0.00
6.1.	Roadway cross sections												0	\$0.00
6.1.2	At all driveways			1	2	8	12						23	\$2,570.00
7.	Proposed Utility Plans												0	\$0.00
7.1.	Prepare Sanitary Sewer plan and profiles												0	\$0.00
7.1.1.	Coordinate with SAWS on service history, video results, adequacy, etc.			1	1	1							3	\$420.00
7.1.2.	Establish extent of sanitary sewer construction (to nearest manhole) (coordinate with roadway design)			4	2	4							10	\$1,390.00
7.2.	Prepare Water line plans												0	\$0.00
7.2.1.	Coordinate with SAWS on service history, adequacy, etc.			1	1	1							3	\$420.00
7.2.2.	Establish extent of sanitary sewer construction (coordinate with roadway design)			4	2	4							10	\$1,390.00
7.3.	Prepare Gas line plans												0	\$0.00
7.3.3.	Establish extent of gas line construction			4	2	4							10	\$1,390.00
8.	Other Plans												0	\$0.00
8.1.	Prepare New plan sheet for the Pavement Marking and Signing Layouts			0	4	4	16	40					64	\$7,060.00
8.2.	Prepare Traffic Signal Plans												0	\$0.00
8.2.1.	At Mission Rd / Roosevelt intersection			4	2	4	20	20					50	\$5,880.00
8.2.1.	At Steves Ave / Roosevelt intersection			4	8	16	40	60					128	\$14,880.00
	Temporary Traffic Signals			2	1	4	20	40					67	\$7,380.00
8.3.	Prepare Construction Sequencing Plan - Narrative - Typical Sections												0	\$0.00
	update typicals			4	2	8	10	20					44	\$5,310.00
8.4.	Prepare Traffic Control Plan - Review and Seal MAI sheets												0	\$0.00
8.5.	Prepare SW3P; to be moved from the roadway sheets to the TCP sheets by MAI				8	8	4						20	\$2,900.00
9.	Meetings and Coordination (including meeting minutes)												0	\$0.00
9.1.	Public meetings												0	\$0.00
													0	\$0.00

Position/Personnel Title		Principal	Senior Engineer	Project Manager	Project Engineer	EIT I	CADD I/II Eng Tech	Survey Proj. Manager	Survey Crew- 2 men	Sr. Survey Tech	Survey Tech	Admin/ Clerial	Hours	Total Hours	Task/Phase Fee
Fully-Loaded Hourly Wage Rates * (as defined below)		\$240.00	\$170.00	\$160.00	\$145.00	\$115.00	\$100.00	\$160.00	\$185.00	\$110.00	\$105.00	\$65.00			
Task to be performed/Phase Description		Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Task/Phase Fee
9.2.	TCI PM team will be responsible for utility-coordination														
	CEC To coordinate with SAWS and CPS on Joint Bid adjustments		3	6		6								15	\$2,160.00
9.2.1	Creating initial Utility Conflict Matrix for TCI PM team's use during utility coordination tasks				2	8							1	10	\$1,210.00
9.3.	Rescoping meeting		2	4										7	\$1,185.00
9.4.	Complete Streets Public Meeting and Field Analysis Checklist													0	\$0.00
9.7.	70% Plans Review Meeting		2	4		2							1	9	\$1,415.00
9.12.	General Environmental Coordination													0	\$0.00
10.	Cost Estimating													0	\$0.00
10.3.	70% Plans Cost Estimate			1		2	4							7	\$790.00
														0	\$0.00
15.	Rehabilitation of Historic St. Mary's Street UPRR Crossing													0	\$0.00
15.8.	Rehabilitation design coordination and plan incorporation			2	2								1	5	\$675.00
														0	\$0.00
														0	\$0.00
95% Design															\$14,065.00
1.	Initial Scope Meeting, Preliminary Engineering Report, and Project Management														
1.3.	General Sheets – Index, Summaries /Quantities, Notes				1	2	4							7	\$775.00
1.4.	Design Review Meeting		1	4	0	4								9	\$1,340.00
1.5.	Prepare Meeting Minutes			1	2	2								5	\$680.00
1.6.	Prepare Project Schedule													0	\$0.00
1.8.	Coordinate with Project Design Team		1	2		2								5	\$790.00
3.7.	Survey Quality Level C locates													0	\$0.00
3.7.8.	Develop Utility Basemap					2	4							6	\$630.00
3.7.10.	Mains and services, to be shown on roadway Plan-Plan layouts													0	\$0.00
														0	\$0.00
4.	Roadway and Drainage Design													0	\$0.00
4.1.	Establish Typical Roadway Cross sections showing lane, sidewalk, and clear zone widths, etc. for various roadways in project area													0	\$0.00
	Develop Plan and Plan sheets for 1" = 50' plans on Roosevelt Ave from Mission Rd to Steves Ave; No existing ground profiles at													0	\$0.00
4.2.			2	1	2	4	4							13	\$1,790.00
4.7.	Design storm drainage facilities													0	\$0.00
4.7.1.	Roadways													0	\$0.00
4.7.1.4.	Identify potential utility conflicts and locations for SUE				1	2								3	\$390.00
4.7.1.5.	Establish lateral sizes													0	\$0.00
4.7.1.6.	Lateral details [with] [without] underground utilities													0	\$0.00
														0	\$0.00
4.8.	Miscellaneous Roadway Details													0	\$0.00

Position/Personnel Title		Principal	Senior Engineer	Project Manager	Project Engineer	EIT I	CADD I	Tech III/ Eng Tech II	Survey Proj. Manager	Survey Crew- 2 men	Sr. Survey Tech	Survey Tech	Admin/ Clerial	Hours	Total Hours	Task/Phase Fee
Fully-Loaded Hourly Wage Rates * (as defined below)		\$240.00	\$170.00	\$160.00	\$145.00	\$115.00	\$100.00	\$160.00	\$165.00	\$110.00	\$105.00	\$65.00				
Task to be performed/Phase Description		Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Task/Phase Fee
4.8.1	Curb ramp details at Intersections				2		2		8						12	\$1,320.00
4.8.2	Permanent road closure detail (Old Roosevelt Ave)														0	\$0.00
6.	Prepare Cross sections														0	\$0.00
6.1.	Roadway cross sections														0	\$0.00
6.1.2	At all driveways						2		2						4	\$430.00
7.	Proposed Utility Plans														0	\$0.00
7.1.	Prepare Sanitary Sewer plan and profiles														0	\$0.00
7.1.1.	Coordinate with SAWS on service history, video results, adequacy, etc.														0	\$0.00
7.1.2.	Establish extent of sanitary sewer construction (to nearest manhole) (coordinate with roadway design)														0	\$0.00
7.2.	Prepare Water line plans														0	\$0.00
7.2.1.	Coordinate with SAWS on service history, adequacy, etc.														0	\$0.00
7.2.2.	Establish extent of sanitary sewer construction (coordinate with roadway design)				1		1		1						3	\$420.00
7.3.	Prepare Gas line plans														0	\$0.00
7.3.3.	Establish extent of gas line construction														0	\$0.00
8.	Other Plans														0	\$0.00
8.1.	cross walks at Mission Rd traffic signal and relocation of existing signs; to be shown on roadway Plan-Plan layouts															
	Additional signs or replacement/upgrading of existing signs not included in Base Fee.														13	\$1,420.00
8.2.	Prepare Traffic Signal Plans														0	\$0.00
8.2.1.	At Steves Ave / Roosevelt intersection				1		2		2						8	\$2,500.00
8.4.	Prepare Traffic Control Plan														14	\$1,580.00
															0	\$0.00
Bid Phase																\$4,120.00
12	Bid Phase Services														0	\$0.00
12.1.	Finalize and Submit 100% Plans including Joint Bid Utilities (3 bound sets and PDF)														4	\$635.00
12.2.	Finalize and Submit 100% Project Specifications Book (1 bound set and PDF)														4	\$635.00
12.4.	Review Utility Conflict Matrix and Address Pending Items														3	\$390.00
12.4.1.	Address Comments from Reviewers														2	\$790.00
12.4.2.	Incorporate Proposed Joint Bid Utility plan info into Project														1	\$605.00
12.4.3.	Update Utility Coordination Report (w/Conflict Matrix and coordinating documentation)														2	\$675.00
12.5.	Finalize Review comments and resolution form														1	\$390.00
Construction Phase																\$12,187.50
11	Construction Phase														0	\$0.00

Position/Personnel Title			Principal	Senior Engineer	Project Manager	Project Engineer	EIT I	CADD Tech II/ Eng Tech II	Survey Proj. Manager	Survey Crew- 2 men	Sr. Survey Tech	Survey Tech	Admin/ Clerical		
Fully-Loaded Hourly Wage Rates * (as defined below)			\$240.00	\$170.00	\$160.00	\$145.00	\$115.00	\$100.00	\$160.00	\$165.00	\$110.00	\$105.00	\$65.00		
Task to be performed/Phase Description			Hours	Hours	Hours	Hours	Hours	Hours					Hours	Total Hours	Task/Phase Fee
11.1.	Stake center line (or ROW) of roadway and/or channel for utility adjustment prior to the project bid	for extended limits							1	8	1	1		11	\$1,695.00
11.2.	Reestablish project control points for contractor's use before construction	for extended limits							0.5	4	1	0.5		6	\$902.50
11.4.	Assist in preparation and review of the monthly pay estimates (Does not include meetings with Contractor or Inspectors)	3 add'l months for Utility adjustments and drainage			3									3	\$480.00
11.5.	Assist in preparation and review of change orders	4 Add'l PRNs/CCRs			4	4								8	\$1,220.00
11.6.	Review shop drawings	additional 10 for Dm and PM's			5	10								15	\$2,250.00
11.7.	Respond to request for information	4 Add'l RFIs			4	8								12	\$1,800.00
11.8.	Perform a minimum of two (2) project site visits per month and prepare a report for each visit to the City regarding progress of construction	Add'l 3 months = 6 meetings, 4 hr/meeting			24									24	\$3,840.00
Project Closeout Phase															\$850.00
14.	Project Closeout														
14.1.	Prepare record drawings	additional plan shts			1	2		4						7	\$850.00
Total Hours:			11	18	161.5	110	292	355	9.5	100	36	18.5	14	1125.5	
Fee Proposal (Not to Exceed):			\$2,640.00	\$3,060.00	\$25,840.00	\$15,950.00	\$33,580.00	\$35,500.00	\$1,520.00	\$16,500.00	\$3,960.00	\$1,942.50	\$910.00		\$141,402.50

* A fully-loaded Hourly Wage Rate is defined as an employee's base hourly rate plus labor overhead (including fringe benefits), general and administrative (indirect) expenses, profit and escalation (if applicable).

City of San Antonio
Transportation and Capital Improvements
 Design Guidance Manual
PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: **Roosevelt Ave - North**
 Prime Consultant: **Maestas & Associates, LLC**
 Proposal Date: **6/12/2020**
 Prepared By: **Jose L. Reyes, P.E., CFM**

Work Classification	Project Manager	Project Engineer	EIT II	CADD Tech II / Eng Tech II	Admin/ Clerical
Hourly Rate	\$165.00	\$155.00	\$115.00	\$105.00	\$75.00

TASK CODE AND DESCRIPTION		HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
70% Design		30	50	116	100	2	298	\$ 36,690.00
1	Initial Scoping Meeting, Preliminary Engineering Report and Project Management							
1.5	Project Invoicing and Progress Report	2				2	4	\$ 490.00
1.6	Team meetings and Coordination (2 meetings)	4					4	\$ 660.00
4	Roadway and Drainage Design (Excluding Downstream Impacts)							
4.2	Develop Drainage Plan sheets for 1" = 50' horizontal	2	8	18	20		48	\$ 5,740.00
4.6	Establish Design Discharges (Atlas 14) (25-YR Per C.O.S.A SWDCM)							
4.6.1	Develop drainage areas and establish flow patterns	1	2	8			11	\$ 1,395.00
4.6.2	Develop runoff coefficients		1	4			5	\$ 615.00
4.6.3	Develop times of concentration and related intensities		1	4			5	\$ 615.00
4.7	Design and Drainage Design							
4.7.1	Roadway Storm Sewer System							
4.7.1.1	Develop and model Storm Sewer Conduit System using CEC's roadway geometry	1	2	8			11	\$ 1,395.00
4.7.1.2	Establish inlet locations		1	2			3	\$ 385.00
4.7.1.3	Identify potential utility conflicts and locations for SUE		2	2			4	\$ 540.00
4.7.1.4	Develop miscellaneous drainage details	1	1	6	8		16	\$ 1,850.00
7.	SW3P Plan							
7.3	Develop SW3P Narrative	1	2	4			7	\$ 935.00
7.4	Develop SW3P Layouts	1	8	16	20		45	\$ 5,345.00
8.	Traffic Control Plan							
8.3	Develop Construction Phasing Layouts (CEC to review, sign and seal) - TCP/ SW3P - Plan sheets, qtys, summary, estimate, and standards/ specs	8	10	24	46		88	\$ 10,460.00
9.	Meetings and Coordination							
9.4	70% Plans CoSA Review Meeting	2	2				4	\$ 640.00
10	Cost Estimating							
10.3	Prepare Cost Estimate and calculate quantities	2	6	8			16	\$ 2,180.00
12	Milestone Plan Submittals							
12.2	Assemble Milestone Plan Submittals/Deliverables							
12.2.3	Prepare written responses to all Comments	1	2	6			9	\$ 1,165.00
12.2.4	Perform QA/QC and complete Certification Forms	4	2	6	6		18	\$ 2,290.00

95% Design				15	29	51	49	1	145	\$ 18,055.00
1	Initial Scoping Meeting, Preliminary Engineering Report and Project Management									
1.2	Finalize list of sheets for project Sheet Index									
1.3	Finalize Drainage General Sheets – Summaries /Quantities, Notes									
1.4	Project Invoicing and Progress Report									
1.5	Team meetings and Coordination (1 meeting)									
4	Roadway and Drainage Design (Excluding Downstream Impacts)									
4.2	Finalize Plan & Profile shts for 1" = 50' (Horiz.) & 1"=10' (Vert.) plans									
4.7	Design and Drainage Design									
4.7.1	Roadway Storm Sewer System									
4.7.1.1	Update and model Storm Sewer Conduit System using CEC's roadway geometry									
4.7.1.2	Update inlet locations									
4.7.1.3	Update potential utility conflicts and locations for SUE									
4.7.1.4	Update micellaneous drainage details									
7.	SW3P Plan									
7.3	Update SW3P Narrative									
7.4	Update SW3P Layouts									
8.	Traffic Control Plan									
8.3	Update Construction Phasing Layouts (CEC to review, sign and seal)									
9.	Meetings and Coordination									
9.3	Utility coordination meetings									
9.5	95% Plans CoSA Review Meeting									
10	Cost Estimating									
10.4	Prepare Cost Estimate and calculate qualities									
12	Milestone Plan Submittals									
12.2	Assemble Milestone Plan Submittals/Deliverables									
12.2.3	Prepare written responses to all Comments									
12.2.4	Perform QA/QC and complete Certification Forms									
11	Bid Phase									
1.2	Finalize list of sheets for project Sheet Index									
1.3	Finalize Drainage General Sheets – Summaries /Quantities, Notes									
1.4	Project Invoicing and Progress Report									
4	Roadway and Drainage Design (Excluding Downstream Impacts)									
4.7.1	Roadway Storm Sewer System									
4.7.1.1	Seal and model Storm Sewer Conduit System using CEC's roadway geometry									
4.7.1.4	Seal micellaneous drainage details									
7.	SW3P Plan									
7.3	Seal SW3P Narrative									
7.4	Seal SW3P Layouts									
8.	Traffic Control Plan									
8.3	Update Construction Phasing Layouts (CEC to review, sign and seal)									
10	Cost Estimating									
10.5	Prepare Final Cost Estimate and calculate final qualities									
12	Milestone Plan Submittals									

12.2	Assemble Milestone Plan Submittals/Deliverables							
12.2.3	Prepare written responses to all Comments	1	1	2			4	\$ 550.00
12.2.4	Perform QA/QC and complete Certification Forms	2	2	4			8	\$ 1,100.00
11	Construction Phase	12	8	16	0	0	36	\$ 5,080.00
11.1	Review / Negotiate Change Orders	4	2	4			10	\$ 1,430.00
11.2	Review Shop Drawings		2	6			8	\$ 1,000.00
11.3	Respond to RFIs	4	4	6			14	\$ 1,970.00
11.5	Final Walkthrough and Punchlist Review	4					4	\$ 660.00
TOTAL BASE FEE WITH HOUR BREAKDOWN		68	101	206	151	5	531	\$ 66,795.00

City of San Antonio Design Guidance Manual
 Scope Exclusions and Modifications

Exclusion / Modifications	Reason for Exclusion / Modifications
10.3. 70% Plans Cost Estimate	Scope does not require service. TO-03 included to capture for the 70% phase
10.4. 95% Plans Cost Estimate	
10.5. Evaluate bids and recommend award, etc	
11. Construction Phase	
11.1. Stake center line (or ROW) of roadway and/or channel for utility adjustment prior to the project bid	TO-03 included to capture the 30% increase in project limits
11.2. Reestablish project control points for contractor's use before construction	TO-03 included to capture the 30% increase in project limits
11.3. Attend citizen meeting(s) at the start of construction	
11.4. Assist in preparation and review of the monthly pay estimates	TO-03 added an estimated 3 months of construction - 3 Payment Requests
11.5. Assist in preparation and review of change orders	TO-03 added 2 add'l CCR for review
11.6. Review shop drawings	TO-03 added 6 add'l submittals for review
11.7. Respond to request for information	TO-03 added 2 add'l RFI's for review
11.8. Perform a minimum of two (2) project site visits per month and prepare a report for	TO-03 added an estimated 3 months of construction - 10 project inspections
11.9. Participate in final inspection of project	
11.10. Prepare over and under quantities for project closeout	Scope does not require service.
11.11. Prepare project record drawings	Service will be provided as 14.010. Prepare Record Drawings
11.12. Participate in one-year warranty inspection of project each visit to the City regarding progress of construction	Service will be provided as 14.020. Final Warranty Inspection

City of San Antonio Design Guidance Manual
 Scope Exclusions and Modifications

Exclusion / Modifications	Reason for Exclusion / Modifications
8. Other Plans	
8.1. Prepare Pavement Marking and Signing Plan for new cross-walks at Mission Rd traffic signal and relocation of existing signs; to be shown on roadway Plan Plan layouts Additional signs or replacement/upgrading of existing signs not included in Base Fee.	Modified to define scope of Pavement Markings and Signing Plans— TO-03 added Pvmt Mrking and Signing sheets
8.2. Prepare Traffic Signal Plans at Mission Rd / Roosevelt intersection	Defined location where traffic signal will be upgraded. TO-03 added the Steves Ave/ Roosevelt intersection to the project limits
8.3. Prepare Construction Sequencing Plan	TO-03 updated this item to include Storm Drain and phasing changes
8.4. Prepare Traffic Control Plan	TO-03 updated this item to include Storm Drain and phasing changes
8.5. Prepare SW3P; to be shown on roadway Plan Plan layouts	SW3P will be shown on P&P sheets. There will be not separate layouts. TO-03 SW3P will be moved from the P&P Sheets to the new TCP Sheets.
8.6. Prepare Driveway Plats	Scope does not require service.
9. Meetings and Coordination (including meeting minutes)	
9.1. Public meetings; one meeting during the 40% Design Phase	Modified to define number of meetings. TO-03 40% Public Meeting will be shifted to happen after the 70% Submittal.
9.2. Utility coordination meetings	Scope does not require service. Will be included in proposal as an Optional Service. TO-03 PM will need to coordinate with Utilities between Grove and Highland for Drainage impacts.
9.3. Initial scope meeting	TO-03 included to capture the rescoping meeting
9.4. Complete Streets Public Meeting and Field Analysis Checklist	
9.5. Preliminary Engineering Report Review	Scope does not require service.
9.6. 40% Plans Review Meeting	
9.7. 70% Plans Review Meeting	Scope does not require service. TO-03 included to capture for the 70% phase
9.8. 95% Plans Review Meeting	
9.9. 100% Plan Review Meeting	
9.10. Pre bid Meeting	
9.11. Pre-Construction meeting	
10. Cost Estimating	
10.1. Preliminary Engineering Report Cost Estimate (if required)	Scope does not require service.
10.2. 40% Plans Cost Estimate	

City of San Antonio Design Guidance Manual
 Scope Exclusions and Modifications

Exclusion / Modifications	Reason for Exclusion / Modifications
4.8 Miscellaneous Roadway Details	Service added to Original Base Fee.
4.8.1 Curb ramp details at intersections with side streets	Service added to Original Base Fee.
4.8.2 Permanent road closure detail for Old Roosevelt Ave	Service added to Original Base Fee.
5. Pavement Design	Scope does not require service.
5.1 Design pavement sections using CoSA Pavement Design Standards – Appendix 10-A	Scope does not require service.
6. Prepare Cross sections	
6.1. Roadway cross sections at driveways only	Modified to define locations where cross sections will be prepared. TO-03 added driveway qtys to project limits
6.2. Channel cross sections	Scope does not require service.
6.3. Box culvert excavation cross sections	Scope does not require service.
7. Proposed Utility Plans	
7.1. Prepare Sanitary Sewer plan and profiles	
7.1.1. Coordinate with SAWS on service history, video results, adequacy, etc.	The Scope of Work for SAWS reconstruction has not yet been established. TO-03 Coordination added.
7.1.2. Establish extent of sanitary sewer construction (to nearest manhole) (coordinate with roadway design)	The Scope of Work for SAWS reconstruction has not yet been established. TO-03 Coordination added.
7.2. Prepare Water line plans	
7.2.1. Coordinate with SAWS on service history, adequacy, etc.	The Scope of Work for SAWS reconstruction has not yet been established. TO-03 Coordination added.
7.2.2. Establish extent of water construction (coordinate with roadway design)	The Scope of Work for SAWS reconstruction has not yet been established. TO-03 Coordination added.
7.3. Prepare Gas line plans	
7.3.1. Probe main	Scope does not require service.
7.3.2. Probe services	Scope does not require service.
7.3.3. Establish extent of gas line construction	The Scope of Work for CPS reconstruction has not yet been established. TO-03 Coordination only.

City of San Antonio Design Guidance Manual
Scope Exclusions and Modifications

Exclusion / Modifications	Reason for Exclusion / Modifications
4.6.4. Calculate preliminary design discharges	Scope does not require service. TO-03 updated to include Drainage Design.
4.7. Design storm drainage facilities	
4.7.1. Roadways	
4.7.1.1. Establish inlet locations and design discharges	Scope does not require service. TO-03 updated to include Drainage Design.
4.7.1.2. Develop storm drainage facility sizes, incremental times of concentration, effective drainage areas, design discharges, friction and junctions losses, etc	Scope does not require service. TO-03 updated to include Drainage Design.
4.7.1.3. Establish preliminary horizontal and vertical alignments of storm drainage facilities (Max EGL is 1.3 feet below top of curb)	Scope does not require service. TO-03 updated to include Drainage Design.
4.7.1.4. Identify potential utility conflicts and locations for SUE	Scope does not require service. TO-03 updated to include Drainage Design.
4.7.1.5. Establish lateral sizes	Scope does not require service. TO-03 updated to include Drainage Design.
4.7.1.6. Lateral details [with] without underground utilities	Scope does not require service. TO-03 updated to include Drainage Design.
4.7.2. Channels	Scope does not require service.
4.7.2.1. Model existing drainage channel	Scope does not require service.
4.7.2.2. Establish analysis nodes	Scope does not require service.
4.7.2.3. Develop channel sizes, slopes, velocities, incremental times of concentration,	Scope does not require service.
effective drainage areas, design discharges, friction and structure losses, etc.	Scope does not require service.
4.7.2.4. Develop pre-project and post-project water surface profiles	Scope does not require service.
4.7.2.5. Identify and design energy dissipation facilities	Scope does not require service.
4.7.2.6. Establish channel armoring and erosion control areas	Scope does not require service.
4.7.3. Bridges	Scope does not require service.
4.7.3.1. Model bridges and bridge class structures pre-project and post project	Scope does not require service.
4.7.4. Regulatory Coordination	Scope does not require service.
4.7.4.1. Tie to FEMA models	Scope does not require service.
4.7.4.2. Secure CLOMR	Scope does not require service.
4.7.4.3. Secure LOMR	Scope does not require service.

City of San Antonio Design Guidance Manual
 Scope Exclusions and Modifications

Exclusion / Modifications	Reason for Exclusion / Modifications
4.3.3. Lane widths	
4.3.4. Sidewalk widths and locations on Roosevelt Ave from Mission Rd to Steves Ave. Roadway improvements will not be designed at the following locations, where recent COSA projects have reconstructed curb. (1) The western side of Roosevelt Ave between Mission Rd and 250' north of Yellowstone St (2) The western side of Roosevelt Ave between Alamosa Ave and 240' south of Wilkins Ave (3) The western side of Roosevelt Ave between IH 10 and McKinley Rd (4) Both sides of Roosevelt Ave between McKinley Rd and Steves Ave Existing sidewalks will not be reconstructed at the historic St. Mary's Street UPRR underpass.	Modified to define limits of sidewalk construction. TO-03 update to include the north side of the UPRR Overpass through Steves Ave for new sidewalk and curb ramps.
4.3.5. Transitions and extent of construction of intersecting streets (coordinate with SAWS)	
4.3.6. Prepare Retaining wall plans for all retaining walls in excess of 3'	Scope does not require service.
4.4. Establish Horizontal Channel alignments showing	Scope does not require service.
4.4.1. Centerline geometry (centerline bearings, PI, PC, and PT stations, centerline curve data, etc.)	Scope does not require service.
4.4.2. Bottom width, horizontal distance to top of design section slope, etc	Scope does not require service.
4.5. Establish Roadway profiles	Scope does not require service. TO-03 updated to include Drainage Design.
4.5.1. Estimate storm drainage velocities	Scope does not require service. TO-03 updated to include Drainage Design.
4.5.2. Establish maximum flow capacity	Scope does not require service. TO-03 updated to include Drainage Design.
4.6. Establish Design Discharges	Scope does not require service. TO-03 updated to include Drainage Design.
4.6.1. Delineate drainage areas and establish flow patterns	Scope does not require service. TO-03 updated to include Drainage Design.
4.6.2. Develop runoff coefficients	Scope does not require service. TO-03 updated to include Drainage Design.
4.6.3. Develop times of concentration and related intensities	Scope does not require service. TO-03 updated to include Drainage Design.

City of San Antonio Design Guidance Manual
 Scope Exclusions and Modifications

Exclusion / Modifications	Reason for Exclusion / Modifications
3.9.3.3. Curblines	Scope does not require service. Information on bridge deck is not pertinent to project.
4. Roadway and Drainage Design	
4.1. Establish Typical Roadway Cross sections showing lane, sidewalk, and clear zone widths, etc. for <i>Roosevelt Ave</i>	Modified to define where typical sections will be defined TO-03 rework per Public Involvement findings
4.2. Develop Plan-Plan sheets for 1" = 50' plans on <i>Roosevelt Ave</i> from <i>Mission Rd</i> to <i>Steves Ave</i> . <i>No existing ground profiles will be provided, but spot elevations will be provided at regular intervals along the gutters.</i>	Modified to define scale of sheets and limits of curb and sidewalk construction. TO-03 update to extended sidewalk and Mill & Overlay work from Eagleland through Steves Ave. No profiles, just labels at regular intervals and the begin, end, and tie-in limits of project
4.2.1. Centerline	Scope does not require service.
4.2.2. At gutter left of centerline	Scope does not require service.
4.2.3. At gutter right of centerline	Scope does not require service.
4.3. Establish Horizontal Roadway alignments showing	
4.3.1. Centerline geometry (centerline bearings, PI, PC, and PT stations, centerline curve data, curb return radii, etc.)	Assumed that all horizontal curves meet design criteria. CEC will not propose new alignments to address any substandard curve radii. TO-03 update to extend alignment to Eagleland
4.3.2. Curb locations and geometry on <i>Roosevelt Ave</i> from <i>Mission Rd</i> to <i>Steves Ave</i> . Roadway improvements will not be designed at the following locations, where recent GOSA projects have reconstructed curb. (1) The western side of Roosevelt Ave between Mission Rd and 250' north of Yellowstone St (2) The western side of Roosevelt Ave between Alamosa Ave and 240' south of Wilkins Ave (3) The western side of Roosevelt Ave between IH 10 and McKinley Rd (4) Both sides of Roosevelt Ave between McKinley Rd and Steves Ave	Modified to define limits of curb construction. TO-03 update to include the north side of the UPRR Overpass through Steves Ave for new sidewalk and curb ramps.

City of San Antonio Design Guidance Manual
 Scope Exclusions and Modifications

Exclusion / Modifications	Reason for Exclusion / Modifications
3.7.6.1.Manhole rings and covers elevations	
3.7.6.2.Vault elevations and dimensions	Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only. AT&T @ Grove;
3.7.6.3.Conduit elevations at Vaults	Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only. AT&T @ Grove;
3.7.7. Underground Cable Television	
3.7.7.1.Manhole rings and covers elevations	
3.7.7.2.Vault elevations and dimensions	Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only. Spectrum from Highlands to Mission
3.7.7.3.Conduit elevations at Vaults	Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only. Spectrum from Highlands to Mission
3.7.8. Develop Utility Basemap	Original Contract & TO-03 update
3.7.9. Mains only	Scope does not require service.
3.7.10. Mains and services	Original Contract & TO-03 update
3.8. Survey Trees	
3.8.1. All trees	
3.8.2. All trees with trunk diameter > 4"	
3.8.3. Show	
3.8.3.1.Species	
3.8.3.2.Trunk diameter	
3.8.3.3.Spread	
3.9. Survey Bridges and Structures	
3.9.1. Full measure up (secure all relevant measurements needed)	
3.9.2. Locate Columns, abutments, and bridge deck only	Scope does not require service. Full measure up will not be performed.
3.9.3. Profile grade lines	Scope does not require service. Information on bridge deck is not pertinent to project.
3.9.3.1.Centerline	Scope does not require service. Information on bridge deck is not pertinent to project.
3.9.3.2.Break back line(s)	Scope does not require service. Information on bridge deck is not pertinent to project.

City of San Antonio Design Guidance Manual
 Scope Exclusions and Modifications

Exclusion / Modifications	Reason for Exclusion / Modifications
3.7.2. Sanitary Sewer	
3.7.2.1. Manhole Rings and Covers elevations	
3.7.2.2. Invert elevations and details (sizes, configurations, flow directions, north arrow)	Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.
3.7.3. Natural Gas	
3.7.3.1. Valve Box elevations	
3.7.3.2. Valve Stem elevations	Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only
3.7.3.3. Test box elevations	Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only
3.7.4. Storm Drainage	
3.7.4.1. Manhole rings and covers elevations	
3.7.4.2. Invert elevations and details	Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.
3.7.4.3. Curb inlets	
3.7.4.3.1. Top elevations	
3.7.4.3.2. Floor and invert elevations	Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.
3.7.4.3.3. Lateral details (sizes, configurations, flow directions, north arrow)	Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.
3.7.4.4. Outfall elevations	Scope does not require service. There are no outfalls within the project limits.
3.7.4.5. Culvert and headwall dimensions and elevations	Scope does not require service. There are no culverts within the project limits.
3.7.5. Underground Electric	
3.7.5.1. Manhole rings and covers elevations	
3.7.5.2. Vault elevations and dimensions	Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.
3.7.5.3. Conduit elevations at Vaults	Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.
3.7.6. Underground Telephone	

City of San Antonio Design Guidance Manual
 Scope Exclusions and Modifications

Project Name: Roosevelt Ave (Steves Ave to St. Mary's St UPRR Crossing)	
Project Number (WBS):	
Consultant: Civil Engineering Consultants	
COSA Project Manager: Amy Ramirez, P.E.	
Exclusion / Modifications	Reason for Exclusion / Modifications
1. Initial Scope Meeting	
1.1. Complete DSR, Meeting and minutes	
1.2. Prepare Preliminary Engineering Report (if required)	Scope does not require service.
2. Right of Way Surveying	
2.1. Acquire Ownership information	Original Contract & TO-03 Rescope update
2.2. Secure Right of Entry	
2.3. Survey ROW	
2.3.1. Boundary	Scope does not require service.
2.3.2. Apparent ROW only	Original Contract & TO-03 Rescope update
2.4. Monument ROW	Scope does not require service.
2.5. Prepare ROW Map	Scope does not require service.
2.6. Prepare plats and field notes of parcels to be acquired	Scope does not require service.
2.7. Flag existing corners, set new corners, etc.	Scope does not require service.
3. Topographic Surveying/ Base Mapping	
3.1. Establish Primary Project Control	Original Contract & TO-03 Rescope update
3.2. Establish Secondary Project Control	Scope does not require service.
3.3. Set Project centerline or baseline	
3.3.1. Interval 50'	Modified to define interval in original contract
3.4. Survey topographic features	Original Contract & TO-03 Rescope update
3.5. Survey Cross sections / spot elevations to develop DTM/cross sections	
3.5.1. To ROW only	
3.5.2. _____ feet into adjacent property [everywhere] [where required] [only where ROE can be secured]	Scope does not require service.
3.6. Secure utility maps	
3.6.1. Water	
3.6.2. Sanitary Sewer	
3.6.3. Natural Gas	
3.6.4. Underground Electric	
3.6.5. Overhead Electric	
3.6.6. Underground Telephone	
3.6.7. Overhead Telephone	
3.6.8. Underground Cable Television	
3.6.9. Overhead Cable Television	
3.7. Survey Quality Level C locates	
3.7.1. Water	
3.7.1.1. Valve Box elevations	
3.7.1.2. Valve Stem elevations	Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only

Rev: 06/08/2020

Reasons for Exclusion/
 Modifications Legend

"Blank"- included in Orig Scope

"Scope does not require service" remains from the Original Scope

"Original Contract & TO-03 Rescope update" indicates that the scope of this work has been **MODIFIED** by the Rescoping (TO-03)

"TO-03 addition" and indicates that this item of work has been **ADDED** by the Rescoping or CCR-1 - SAWS Water or CCR-2 - SAWS Sewer

Appendix 2 City of San Antonio Capital Improvement Projects Generalized Scope of Services

Table 2C- 2: Composition of Plan Sets at Designated Milestones (continued)				
40%	70%	95%	100%	Milestone
Landscaping and Design Enhancement Sheets				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Landscaping plans and details
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Enhancement plans and details
(Enhancement plans developed by others to be incorporated into PS&E)				
Cross Sections				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Street Cross Sections (Driveways only)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drainage Cross sections
Utility Sheets				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[Joint bid utility] plans and details
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	[Joint bid utility] plans and details Adding JB Water shts
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	[Joint bid utility] plans and details Adding JB Sewer shts
Miscellaneous Stand Detail Sheets				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Rehabilitation plans for UPRR crossing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40% plans will be resubmitted for 70% submittal
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Appendix 2 City of San Antonio Capital Improvement Projects Generalized Scope of Services

Table 2C- 2: Composition of Plan Sets at Designated Milestones (continued)				
40%	70%	95%	100%	Milestone
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Environmental Waste Management Plan, Specifications, Quantities and Plan Details
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Transite Pipes Removal Plan, Specifications, Quantities and Plan Details
Roadway Sheets				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Roadway plan and profile sheets
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Intersection grading sheets
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Roadway detail sheets
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Retaining Wall Layouts
Drainage Sheets				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Drainage Overall
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Drainage Area Map and Table
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Hydraulic Calculations
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Storm Drainage plan and profile sheets
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Lateral details and cross sections
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Drainage details
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Channel Plan and Profile
Bridge Sheets				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bridge layouts
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Bridge details
Pavement Markings and Signing Sheets				
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Pavement markings and signing details
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Traffic signal layouts
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Traffic signal details
(Adding Signing and pavement markings plan sheets for 70%)				
Illumination Sheets				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Illumination plans and conduit layouts
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Illumination details

(No additional roadway lighting; plans are only for aesthetic lighting at UPRR crossing)

40% plans will be resubmitted for 70% submittal