# 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, <del>s</del> 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:

- <u>Exhibit 1 Fee Summary</u>. 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. <u>Exhibit A.</u> 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

	DocuSigned by: Lyle Gass EEA9C178F68744E	
(Signature)	(Signature)	
Razi Hosseini, P.E., R.P.L.S.		
Director/City Engineer	Printed Name:	Kyle Gass
Public Works Department	Title:	Division Manager
Date:	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	
<b>70% Design Phase</b> 1. CEC Amendment - TO-03	90	<b>\$</b> \$	<b>146,870.00</b> 110,180.00	Added 90 day for 70% Submittal
4. MAI Amendment - TO-03		\$	36,690.00	
<b>95% Design Phase</b> 1. CEC Amendment - TO-03	60	<b>\$</b> \$	<b>32,120.00</b> 14,065.00	
4. MAI Amendment - TO-03		\$	18,055.00	
Bid Phase 1. CEC Amendment - TO-03	15	<b>\$</b> \$	<b>11,110.00</b> 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 1. CEC Amendment - TO-03	30	<b>\$</b>	<b>850.00</b> 850.00	
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/Personr	nel Title		Principal	Senior Engineer	Project Manager	Project Engineer	EIT I	CADD Lech II/ Eng Tech II		Survey Crew- 2 men	Sr. Survey Tech	Survey Tech	Admin/ Clerial		
Fully-Loaded Ho	ourly 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	S65.00		
-															T . (S) E
Task to be perfo	ormed/Phase Description		Hours	Hours	Hours	Hours	Hours	Hours					Hours	Total Hours	Task/Phase Fee
I													-		
l	Basic Scope of Services														
700/ Dec	·								· · · · ·						
70% Des	sign														\$110,180.00
	Initial Scope Meeting, Preliminary Engineering Report,														
1.	and Project Management Update Design Summary Report (DSR)														\$0.00
1.1.	Update Design Summary Report (DSR)													U	\$0.00
1		rework Title Sheet, Index,													
10	General Sheets – Index, Summaries /Quantities,	Project Summary,						10							00.000.00
1.3.	Notes	General Notes			4	0	4	12						20	\$2,300.00
1		2 hr/ Conf Call/ Mth for 3													
1.4.	Design Review Meeting	mths	1		6	0	6							13	\$1,890.00
1.5.	Prepare Meeting Minutes				0.5	3	2							5.5	\$745.00
1.6.	Prepare Project Schedule		1		1	0	4							6	\$860.00
1.8.	Coordinate with Project Design Team				4	2	1							7	\$1,045.00
	Address 40% Review comments & response for								-						
1.9.	concurrence, and update plans accordingly				2		8	8						18	\$2,040.00
1	Condense PW#1, #2, and #3 comments and provide														
	responses for concurrence, and update plan														
1.9.	accordingly				4		8	16						28	\$3,160.00
L														U	\$0.00
2.	Right of Way Surveying													0	\$0.00
	Acquire Ownership Information														
1															
	Each parcel researched on BCAD, entered into Excel	Properties north of													
2.1.	spreadsheet, and input into .DGN file	Lonestar Bvd			1		4							5	\$620.00
2.2.	Secure Right of Entry Survey ROW								-					0	\$0.00 \$0.00
2.3.2	Apparent ROW only	10+00 to 23+00						5	1	10	2	1		21	\$2,965.00
2.3.2.	Apparent ROW only	10+00 10 23+00						5	'	12	2	1		21	\$2,905.00
3.	Topographic Surveying/ Base Mapping		1										1	2	\$305.00
3.1.	Establish Primary Project Control								1	12	2	1		16	\$2,465.00
3.3.	Set Project centerline or baseline													0	\$0.00
3.3.1.	50' Interval													0	\$0.00
3.4.	Survey topographic features													0	\$0.00
1		From Foundation data times													
2.1.1	From ROW to 5' into roadway from curb; plus 3' into	From Eagleland to UPRR												30	64 400 00
3.4.1.	adjacent properties	overpass (1300')							2	20	6	2		30	\$4,490.00
1	5' into West EOP to CL to 5' into East EOP - Capture														
3.4.2.	crown, surface Utilites, Storm Drain and inverts	Highland to Grove (1000')							2	20	5	2		29	\$4,380.00
3.4.3.	Topo 12 more driveway sites	. ing. aund to erore (1000)							1	8	2	1		12	\$1,805.00

								CADD Lech		Survey					
				Senior	Project	Project		II/ Eng Tech		Crew-2	Sr. Survey		Admin/		
Position/Personne	I Title		Principal	Engineer	Manager	Engineer	EITI	11	Manager	men	Tech	Tech	Clerial		
Fully-Loaded Hour	ly 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		
								70							
	ned/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											5		0	\$0.00
3.7.1.1.	Valve Box elevations													0	\$0.00
3.7.1.2. 3.7.2.	Valve Stem elevations Sanitary Sewer		L	I						2	2	្រ		5	\$655.00 \$0.00
3.7.2.1	Manhole Rings and Covers elevations		<u> </u>											0	\$0.00
3.1.2.1	Invert elevations and details (sizes, configurations,		<u> </u>											0	<b>\$</b> 0.00
3.7.2.2.	flow directions, north arrow)									2	2	1		5	\$655.00
3.7.3.	Natural Gas									2				0	\$0.00
3.7.3.1.	Valve Box elevations		<u> </u>											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	Highland to Grove (1000')												0	\$0.00
3.7.4.3.2	Floor and invert elevations									0.5				0.5	\$82.50
07400	Lateral details (sizes, configurations, flow directions,									0.5				0.5	<b>600 50</b>
3.7.4.3.3	north arrow)		L							0.5				0.5	\$82.50 \$0.00
3.7.5.	Underground Electric		L											0	\$0.00
3.7.5.1. 3.7.7.2	Manhole rings and covers elevations Vault elevations and dimensions		<u> </u>							1.5	2	1		4.5	\$572.50
3.7.7.3.	Conduit elevations at vault		<u> </u>							0.5	2	1		4.5	\$82.50
3.7.6.	Underground Telephone		<u> </u>							0.5				0.5	\$0.00
3.7.6.1.	Manhole rings and covers elevations		<u> </u>											0	\$0.00
3.7.7.2.	Vault elevations and dimensions		<u> </u>							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	Update per new survey			2		4	4						10	\$1,180.00
															1
		Existing utilities to be													1
	Mains and services; to be shown on roadway Plan-Plan	shown on P&P sheets -													
3.7.10.	layouts	update and label			2		4	4						10	\$1,180.00
4.	Roadway and Drainage Design													0	\$0.00
4.1.	Establish Typical Roadway Cross sections showing														
	lane, sidewalk, and clear zone widths, etc. for	rework per new													<b>01 705 55</b>
	Roosevelt Ave	configuration			4		6	4						14	\$1,730.00
	Develop Diversit Diversity for dillop 501	rework per new													
	Develop Plan and Plan sheets for 1" = 50' plans on	configuration													. 1
	Roosevelt Ave from Mission Rd to Steves Ave; No	remove road closure													
4.2.	existing ground profiles at CL or EOP	generate 2 more sheets			4	8	16	20						48	\$5,640.00
4.3.	Establish Horizontal Roadway alignments showing		-											0	\$0.00
	Centerline geometry (centerline bearings, PI, PC, and PT stations, centerline curve data, curb return radii,	Extend Horizontal													
4.3.1.	etc.)	Alignment			4	4	0							18	\$2,025.00
					1		0	0							
4.3.2.	Curb locations and geometry	2 added plan sheets				1	8	8						17	\$1,865.00
4.3.4.	Sidewalk widths and locations	add entire project limits				1	4	8						13	\$1,405.00
														0	\$0.00
4.5.	Establish Roadway profiles													0	\$0.00

Position/Person Fully-Loaded Ho	nel Title ourly Wage Rates * (as defined below)		Principal \$240.00	Senior Engineer \$170.00	Project Manager \$160.00	Project Engineer \$145.00	<b>EIT I</b> \$115.00	CADD Tech II/ Eng Tech II \$100.00	Survey Crew- 2 men \$165.00	Sr. Survey Tech \$110.00	Tech	Admin/ Clerial \$65.00		
Task to be perfo	ormed/Phase Description		Hours	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	Highlands to Grove Profile											0	\$0.00
4.7.	Design storm drainage facilities	for MAI											0	\$0.00
4.7.1.	Roadways	IOI MAI											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 \$0.00
4.8.1	Curb ramp details at Intersections	Deferred to 95% Design Phase											0	\$0.00
100000000		Provided at 40% and												21-10-10-1
4.8.2	Permanent road closure detail (Old Roosevelt Ave)	removed in 70%											0	\$0.00
													0	\$0.00
0	Browers Cross continue												0	\$0.00
6.	Prepare Cross sections								 				0	\$0.00
6.1.2	Roadway cross sections At all driveways	12 new cross sections	<u> </u>			2		10					0	\$0.00 \$2,570.00
0.1.2	At all university	12 new cross sections				۷	0	12					23	\$2,570.00
7	Proposed Utility Plans		l										0	\$0.00
7.1.	Prepare Sanitary Sewer plan and profiles												0	\$0.00
7.1.	Coordinate with SAWS on service history, video results,								 					00.00
7.1.1.	adequacy, etc. Establish extent of sanitary sewer construction (to				1	1	1		 				3	\$420.00
7.1.2.	nearest manhole) (coorindate with roadway design)				4	2	4			I I			10	\$1,390.00
7.2.	Prepare Water line plans									1 1			0	\$0.00
	Coordinate with SAWS on service history, adequacy,													
7.2.1.	etc.				1	1	1						3	\$420.00
	Establish extent of sanitary sewer construction													
7.2.2.	(coorindate 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
-													0	\$0.00
8.	Other Plans					-			 				0	\$0.00
8.1.	Prepare New plan sheet for the Pavement Marking						10	10						07.000.00
	and Signing Layouts	add 6 plan sheets		0	4	4	16	40					64	\$7,060.00 \$0.00
8.2. 8.2.1.	Prepare Traffic Signal Plans At Mission Rd / Roosevelt intersection	update sheets + 1		4	2		20	20	 			-	50	\$0.00
8.2.1.	At Mission Rd / Roosevelt intersection	add 6 plan sheets		4	4	4	40	20	 				128	\$14,880,00
0.2.1.	Temporary Traffic Signals	add 4 plan sheets	I	4	1	10	20	40	 				67	\$7,380.00
	Temporary Tranc Oignais	add 4 plan sheets		2			20	40					0/	\$0.00
8.3.	Prepare Construction Sequencing Plan - Narrative - Typical Sections						10							
		update typicals		4	2	8	10	20				-	44	\$5,310.00
8.4.	Prepare Traffic Control Plan - Review and Seal MAI sheets	add 8 sheets			R	R	л						20	\$2,900.00
8.5.	Prepare SW3P; to be moved from the Roadway	add 5 Sheets			0								20	φ2,000.00
0.0.	sheets to the TCP sheets by MAI												0	\$0.00
0	Meetings and Coordination (including meeting minutes)													\$0.00
9. 9.1.	minutes)								 	<u> </u>			U	\$0.00
9.1.		70% Public Meeting paid as 40% Public meeting												
i i	Public meetings	that was not held											0	\$0.00

								CADD Lech		Survey					
				Senior	Project	Project		II/ Eng Tech		Crew-2	Sr. Survey		Admin/		
osition/Persor			Principal	Engineer	Manager	Engineer	EIT I	S100-00	Manager	men	Tech	Tech	Clerial		
ully-Loaded H	ourly 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 perf	ormed/Phase Description		Hours	Hours	Hours	Hours	Hours	Hours					Hours	Total Hours	Task/Phase Fe
9.2.							-								
	TCI PM team will be responsible for utility-								I I						
	coordination								I I						
									I I						
	CEC To coordinate with SAWS and CPS on Joint Bid	3 Calls/ Meetings per		0.2			500							1.55	
	adjustments	agency (6 total)		3	6		6							15	\$2,160.0
9.2.1	Creating initial Utility Conflict Matrix for TCI PM team's use during utility coordination tasks					2	8							10	\$1.210.0
9.3.	Rescoping meeting	1 meeting	2		4	2	0						1	7	\$1,185.0
9.4.	Complete Streets Public Meeting and Field Analysis								1 1						
	Checklist													0	\$0.0
9.7. 9.12.	70% Plans Review Meeting General Environmental Coordination	1 meeting	2		4		2						1	9	\$1,415.0 \$0.0
9.12.	General Environmental Coordination													0	\$0.0
10.	Cost Estimating													0	\$0.0
10.3.		update with new qty and			10										
	70% Plans Cost Estimate	costs			1		2	4						7	\$790.0
	Rehabilitation of Historic St. Mary's Street UPRR													0	\$0.0
15.	Crossing								I I					0	\$0.0
15.8.	Rehabilitation design coordination and plan														40.0
	incorporation				2	2							1	5	\$675.0
														0	\$0.0
														0	\$0.0
95% Des					_										\$14,065.0
	Initial Scope Meeting, Preliminary Engineering Report,														
1.	and Project Management General Sheets – Index, Summaries /Quantities,	updates to added plan													
1.3.	Notes	sheets				1	2	1	I I					7	\$775.0
1.4.	Design Review Meeting	1 Conf Call/ Mth - 2 mths	1		4	0	4							9	\$1,340.0
1.5.	Prepare Meeting Minutes				1	2	2							5	\$680.0
1.6.	Prepare Project Schedule													0	\$0.0
1.8.	Coordinate with Project Design Team		1		2		2							5	\$790.0
3.7.	Survey Quality Level C locates												-	0	\$0.0 \$0.0
5.7.	Survey Quanty Lever C locates	To incorporate any			-									0	\$0.0
		comments from 70%					08.5								
3.7.8.	Develop Utility Basemap	review					2	4						6	\$630.0
3.7.10.	Mains and services; to be shown on roadway Plan-Plan	Existing utilities to be shown on P&P sheets												0	\$0.0
5.7.10.	layouts	shown on F&F sheets			-									0	\$0.0
4.	Roadway and Drainage Design Establish Typical Roadway Cross sections showing													0	\$0.0
4.1.															
	lane, sidewalk, and clear zone widths, etc. for various														<b>~~</b> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	roadways in project area Develop Plan and Plan sheets for 1" = 50" plans on	2 sheets			-									0	\$0.0
	Roosevelt Ave from Mission Rd to Steves Ave; No	revisions to 2 add'l													
4.2.	existing ground profiles at	layouts	2		1	2	4	4						13	\$1,790.0
4.7.	Design storm drainage facilities	Highlands to Grove												0	\$0.0
4.7.1.	Roadways													0	\$0.0
4.7.1.4.	Identify potential utility conflicts and locations for SUE	Refining Storm Drain DA			4		2								\$390.0
4.7.1.5.	Establish lateral sizes	Maps, Calcs, Plan/ Profiles,			1		2							0	\$390.0
4.7.1.6.	Lateral details [with] [without] underground utilities	Lateral sheets and details												0	\$0.0
					1.									0	\$0.0
4.8.	Miscellaneous Roadway Details													0	\$0.0

			Dringing	Senior	Project	Project		CADD Lech	Proj.	Survey Crew- 2	Sr. Survey		Admin/		
Position/Person fully-Loaded He	nnel Title ourly Wage Rates * (as defined below)		Principal \$240.00	Engineer \$170.00	Manager \$160.00	Engineer \$145.00	EIT   \$115.00	\$100.00	Manager \$160.00	men \$165.00	Tech \$110.00	Tech \$105.00	Clerial \$65.00		
,			12 (2)												
			1. Laura	1.1	L La coma	11	1 ferrer	1.1					1.1	Tetel Lieur	T-sk/Dhase F
4.8.1	ormed/Phase Description Curb ramp details at Intersections	2 Add'l layouts	Hours	Hours	Hours	Hours	Hours	Hours					Hours	Total Hours	s Task/Phase Fe 2 \$1,320.0
4.8.2	Permanent road closure detail (Old Roosevelt Ave)	2 Add T layouts					2	0						12	2 31,320.1
1.0.2															0 \$0.0
	Prepare Cross sections													(	D \$0.0
6.1.	Roadway cross sections													(	D \$0.
		update add'l 12 cross													
6.1.2	At all driveways	sections					2	2							4 \$430.
6	Proposed Utility Plans														0 \$0. 0 \$0.
7.1.	Prepare Sanitary Sewer plan and profiles												-	<b>⊢</b> →∂	0 S0.
7.1.	Coordinate with SAWS on service history, video results,														, <del>.</del>
7.1.1.	adequacy, etc.													( (	D SO.
	Establish extent of sanitary sewer construction (to	Coordinate on conflicts													
7.1.2.	nearest manhole) (coorindate with roadway design)	at Storm Drain												(	D SO
7.2.	Prepare Water line plans														) \$0.
7.2.1.	Coordinate with SAWS on service history, adequacy, etc.														) SO.
1.Z.1.	Establish extent of sanitary sewer construction	Coordinate on conflicts												<u> </u>	/ <u> </u>
7.2.2.	(coorindate with roadway design)	at Storm Drain			1	1	1							1 2	\$420
7.3.	Prepare Gas line plans													C C	SO SO
7.3.3.	Establish extent of gas line construction													(	50 \$0
			3		.) 									(	D \$0
	Other Plans				3										D \$0
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													1	
	existing signs not included in Base Fee.	revisions to 6 new sheets		0	1	0	4	8						13	3 \$1,420. 0 \$0.
8.2.	Prepare Traffic Signal Plans	Revisions to 5 new												<u> </u>	50
8.2.1.	At Steves Ave / Roosevelt intersection	sheets		1	2	2	8	8						21	1 \$2,500
8.4.							-								
	Prepare Traffic Control Plan				2		4	8						14	
														(	D SO
Bid Pha	se														\$4,120
														(	) SO
2	Bid Phase Services	6 A W 8	· ·											(	D \$0
10.1	Finalize and Submit 100% Plans including Joint Bid	SAWS added by Change												1 .	
12.1.	Utilities (3 bound sets and PDF) Finalize and Submit 100% Project Specifications	Order SAWS added by Change			1		1	1					4	7	7 \$635
12.2.	Book (1 bound set and PDF)	Order			4		4	1					4		7 \$635
12.2.	Review Utility Conflict Matrix and Address Pending	Ulder			- 1		1	1					4	<u> </u>	050¢
12.4.	Items				1		2							1 3	\$390
12.4.1.	Address Comments from Reviewers	Added Plan sheets			1		2	4						Ť	7 \$790
1000	Incorporate Proposed Joint Bid Utility plan info into	SAWS added by Change													
12.4.2.	Project	Order	-		1		1	2					2	e	6 \$605
10.10	Update Utility Coordination Report (w/Conflict Matrix	increased by Drainage													
12.4.3.	and coordinating documentation)	impacts			1		1	4						e	6 \$675. 3 \$390.
2.5.	Finalize Review comments and resolution form	Added Plan sheets			1		2							<u> </u>	) \$390
onstru	iction Phase														\$12,187
														(	S0.
														(	SO.0

				Senior	Project	Project		CADD Lech II/ Eng Tech	Proj.	Survey Crew- 2	Sr. Survey	Survey	Admin/		
Position/Personne			Principal	Engineer	Manager	Engineer	EIT I	<u> </u>	Manager	men	Tech	Tech	Clerial		
Fully-Loaded Hou	rly 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		
			1												
Task to be perform	med/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 extended limits							1	0	1	4		11	\$1.695.00
11.2.	for utility adjustment prior to the project bid Reestablish project control points for contractor's	for extended limits								0		1		11	\$1,095.00
11.2.	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														
	esumates	3 add'l months for Utility													
	(Does not include meetings with Contractor or	adjustments and													
	Inspectors)	drainage			3									3	\$480.00
11.5.	Assist in preparation and review of change orders	4 Add'I PRNs/CCRs			4	4								8	\$1,220.00
11.6.		additional 10 for Drn and													
	Review shop drawings	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 C	loseout Phase														\$850.00
14.	Project Closeout														
14.1.	Prepare record drawings	additional plan shts			1	2		4						7	\$850.00
T-4-111				10	101.5	110	000	055	0.5	100		10.5		1105 5	
Total Hours:			11	18	161.5	110	292	355	9.5	100	36	18.5	14	1125.5	
Fee Proposal (Not	tto 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
	to Exocour.		φ2,040.00	ψ0,000.00	020,040.00	010,000.00	000,000.00	\$55,500.00	01,020.00	\$ 10,000.00	00,000.00	¢1,042.00	0010.00		0141,402.30

\* 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	TASK HOURS		SK / 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	\$	480.00
1.6	Team meetings and Coordination (2 meetings)	4				<u> </u>	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 COSA 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 micellaneous drainage details	1	1	6	8		16	\$	1,850.00
7.	SW3P Plan					l		├──	
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								
0.	Develop Construction Phasing Layouts (CEC to review, sign and seal)							⊢	
8.3	- TCP/ SW3P - Plan sheets, gtys, summary, estimate, and standards/ specs	8	10	24	46		88	\$	10,460.00
8.3	- TCP/ SWSP - Plan sneets, dtys, summary, esumate, and standards/ specs	• •	10	24	40		00	φ	10,400.00
9.	Meetings and Coordination								
9.4	70% Plans CoSA Review Meeting	2	2				4	\$	640.00
10	Cost Estimating	<u> </u>						├──	
10.3	Prepare Cost Estimate and calculate quantities	2	6	8			16	\$	2,180.00
12	Milestone Plan Submittals					L		⊢	
12.2	Assemble Milestone Plan Submittals/Deliverables	+		l		l	+	⊢	
12.2.3	Prepare written responses to all Comments	1 1	2	6			9	\$	1,165.00
12.2.3	Prepare written responses to all Comments Perform QA/QC and complete Certification Forms	4	2	6	6		18	⊅ \$	2,290.00
12.2.4	Perform GAVGC and complete Certification Porms	4	2	- °	0	<u> </u>	18	\$	2,290.00

		I	1	1	1	1	1	1
95% Design		15	29	51	49	1	145	\$ 18,055.
1	Initial Scoping Meeting, Preliminary Engineering Report and Project Management							
1.2	Finalize list of sheets for project Sheet Index		1	1			2	\$ 270.
1.3	Finalize Drainage General Sheets – Summaries /Quantities, Notes		1	1	1		3	\$ 375.
1.4	Project Invoicing and Progress Report	1				1	2	\$ 240.
1.5	Team meetings and Coordination (1 meeting)	2	2				4	\$ 640.
4	Roadway and Drainage Design (Excluding Downstream Impacts)							
4.2	Finalize Plan & Profile shts for 1" = 50' (Horiz.) & 1"=10' (Vert.) plans	. 1	4	10	18		33	\$ 3,825.
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	1	1	8			10	\$ 1,240.
4.7.1.2	Update inlet locations		1	2			3	\$ 385.
4.7.1.3	Update potential utility conflicts and locations for SUE		1	2			3	\$ 385.
4.7.1.4	Update micellaneous drainage details	1	1	2	4		8	\$ 970.
7								
7.0	SW3P Plan			1			2	¢ 070
7.3 7.4	Update SW3P Narrative Update SW3P Layouts		1 4	8	12		2	\$ 270. \$ 2,800.
7.4	Opdate SvvSP Layouts		4	8	12		24	\$ 2,800.
0	Traffic Control Plan	-						
o. 8.3	Update Construction Phasing Layouts (CEC to review, sign and seal)	2	4	6	10	-	22	\$ 2,690.
0.5	optate construction Phasing Layouts (CEC to review, sign and sear)			°	10	-	~~~~	φ 2,000.
9	Meetings and Coordination					-		
9.3	Utility coordination meetings	1	1			-	2	\$ 320.
9.5	95% Plans CoSA Review Meeting	2	2			-	4	\$ 640.
0.0	SOM Flairs COOK Review Meeting							\$ 040.
10	Cost Estimating							
10.4	Prepare Cost Estimate and calculate qualities	1	2	4	l	-	7	\$ 935.
			_					
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.
12.2.4	Perform QA/QC and complete Certification Forms	2	2	4	4		12	\$ 1,520.
11	Bid Phase	11	14	23	2	2	52	\$ 6,990.
1.2	Finalize list of sheets for project Sheet Index		1	1			2	\$ 270.
1.3	Finalize Drainage General Sheets – Summaries /Quantities, Notes		1	1	2		4	\$ 480.
1.4	Project Invoicing and Progress Report	2				2	4	\$ 480.
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	. 1	2	4			7	\$ 935.
4.7.1.4	Seal micellaneous drainage details	1	1	2			4	\$ 550.
7.	SW3P Plan							
7.3	Seal SW3P Narrative		1	1			2	\$ 270.
7.4	Seal SW3P Layouts	1	1	2			4	\$ 550.
8.	Traffic Control Plan							
8.3	Update Construction Phasing Layouts (CEC to review, sign and seal)	2	2	2			6	\$ 870.
10	Cost Estimating							
10.5	Prepare Final Cost Estimate and calculate final qualities	1	2	4			7	\$ 935.
12	Milestone Plan Submittals							

12.2	Assemble Milestone Plan Submittals/Deliverables									
12.2.3			nses 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	Constructio	n Phase		12	8	16	0	0	36	\$ 5,060.00
	11.1	Review / Nego	otiate Change Orders	4	2	4			10	\$ 1,430.00
		Review Shop			2	6			8	\$ 1,000.00
		Respond to R		4	4	6			14	\$ 1,970.00
	11.5	Final Walkthro	bugh and Punchlist Review	4					4	\$ 660.00
						1				
TOTAL BASE	FEE WITH I	HOUR BREA	KDOWN	68	101	206	151	5	531	\$ 66,795.00

Exclusion / Modifications	Reason for Exclusion / Modifications
10.3. 70% Plans Cost Estimate	Scope does not require service.
	TO 02 included to contract for the 70% phase
10.4. 95% Plans Cost Estimate	TO-03 included to capture for the 70% phase
10.5. Evaluate bids and recommend	
award, etc	
11. Construction Phase	
11.1. Stake center line (or ROW) of	TO-03 included to capture the 30% increase in project
roadway and/or channel for utility	limits
adjustment prior to the project bid	innits
11.2. Reestablish project control	TO-03 included to capture the 30% increase in project
points for contractor's use before	limits
construction	Intitus
11.3. Attend citizen meeting(s) at the	
start of construction	
11.4. Assist in preparation and review	TO-03 added an estimated 3 months of construction -
of the monthly pay estimates	3 Payment Requests
11.5. Assist in preparation and review	TO-03 added 2 add'I CCR for review
of change orders	10-00 added 2 add 1 COR IOI Teview
11.6. Review shop drawings	TO-03 added 6 add'l submittals for review
1. A.	
11.7. Respond to request for	TO-03 added 2 add'l RFI's for review
information	
11.8. Perform a minimum of two (2)	TO-03 added an estimated 3 months of construction -
project site visits per month and	10 project inspections
prepare a report for	
11.9. Participate in final inspection of	
project	
11.10. Prepare over and under	Scope does not require service.
quantities for project closeout	
11.11. Prepare project record	Service will be provided as 14.010. Prepare Record
drawings	Drawings
11.12. Participate in one-year	Service will be provided as 14.020. Final Warranty
warranty inspection of project each	Inspection
visit to the City regarding progress of	
construction	

Exclusion / Modifications	Reason for Exclusion / Modifications
8. Other Plans	
8.1. Prepare Pavement Marking and	Modified to define scope of Pavement Markings and
Signing Plan for new cross walks at	Signing Plans
Mission Rd traffic signal and	
relocation of existing signs: to be	TO-03 added Pvmt Mrking and Signing sheets
5 5 7	10-00 added 1 which which gaind origining sheets
shown on roadway Plan Plan layouts	
Additional signs or	
replacement/upgrading of existing	
signs not included in Base Fee.	
8.2. Prepare Traffic Signal Plans at	Defined location where traffic signal will be upgraded.
Mission Rd / Roosevelt intersection	TO-03 added the Steves Ave/ Roosevelt intersection
	to the project limits
8.3. Prepare Construction Sequencing	TO-03 updated this item to include Storm Drain and
Plan	phasing changes
8.4. Prepare Traffic Control Plan	TO-03 updated this item to include Storm Drain and
	phasing changes
8.5. Prepare SW3P;	SW3P will be shown on P&P sheets. There will be not-
0.5. Flepale SWOF,	separate layouts.
ta ha ahawa ay ay dugu Diay Diay	<del>coparato layouto.</del>
to be shown on roadway Plan Plan	
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	Modified to define number of meetings.
during the 40% Design Phase	
	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-
o.z. ounty coordination meetings	proposal as an Optional Service.
	proposar as an optional service.
	TO 00 DM will see all to see all sets with 1 Million
	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	Come dans not convine convine
9.5. Preliminary Engineering Report	Scope does not require service.
Review	
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	Scope does not require service.
Cost Estimate (if required)	Scope does not require service.
Cost Estimate (if required) 10.2. 40% Plans Cost Estimate	
10.2. 40% Flans Cost Estimate	

Exclusion / Modifications	Reason for Exclusion / Modifications
4.8 Miscellaneous Roadway Details	Service added to Original Base Fee.
4.8.1 Curb ramp details at	Service added to Original Base Fee.
intersections with side streets	
4.8.2 Permanent road closure detail	Service added to Original Base Fee.
for Old Roosevelt Ave	
5. Pavement Design	Scope does not require service.
5.1 Design pavement sections using	Scope does not require service.
CoSA Pavement Design Standards -	
Appendix 10-A	
6. Prepare Cross sections	
6.1. Roadway cross sections at	Modified to define locations where cross sections will
driveways only	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	Scope does not require service.
sections	
<ol><li>Proposed Utility Plans</li></ol>	
7.1. Prepare Sanitary Sewer plan and	
profiles	
7.1.1. Coordinate with SAWS on	The Scope of Work for SAWS reconstruction has not
service history, video results,	yet been established.
adequacy, etc.	
	TO-03 Coordination added.
7.1.2. Establish extent of sanitary	The Scope of Work for SAWS reconstruction has not
sewer construction (to nearest	vet been established.
manhole) (coordinate with roadway	·
design)	TO-03 Coordination added.
7.2. Prepare Water line plans	
7.2.1. Coordinate with SAWS on	The Scope of Work for SAWS reconstruction has not
service history, adequacy, etc.	vet been established.
	,
	TO-03 Coordination added.
7.2.2. Establish extent of water	The Scope of Work for SAWS reconstruction has not
construction (coordinate with roadway	yet been established.
design)	
	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	The Scope of Work for CPS reconstruction has not yet
construction	been established.
	TO-03 Coordination only.

Exclusion / Modifications	Reason for Exclusion / Modifications
4.6.4. Calculate preliminary design	Scope does not require service.
discharges	
and a second sec	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	Scope does not require service.
design discharges	
	TO-03 updated to include Drainage Design.
4.7.1.2.Develop storm drainage facility	Scope does not require service.
sizes, incremental times of	
concentration, effective drainage	TO-03 updated to include Drainage Design.
areas, design discharges, friction and	
junctions losses, etc	
4.7.1.3.Establish preliminary	Scope does not require service.
horizontal and vertical alignments of	
storm drainage facilities (Max EGL is	TO-03 updated to include Drainage Design.
1.3 feet below top of curb)	
4.7.1.4.Identify potential utility	Scope does not require service.
conflicts and locations for SUE	
	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]	TO-03 updated to include Drainage Design. Scope does not require service.
underground utilities	
	TO-03 updated to include Drainage Design.
4.7.2. Channels	Scope does not require service.
4.7.2.1.Model existing drainage	Scope does not require service.
channel	
4.7.2.2.Establish analysis nodes	Scope does not require service.
4.7.2.3.Develop channel sizes,	Scope does not require service.
slopes, velocities, incremental times	
of concentration,	
effective drainage areas, design	Scope does not require service.
discharges, friction and structure	
losses, etc.	
4.7.2.4.Develop pre-project and post-	Scope does not require service.
project water surface profiles	COLOR REAL THE RECEIPTION OF THE
4.7.2.5.Identify and design energy	Scope does not require service.
dissipation facilities	
4.7.2.6.Establish channel armoring	Scope does not require service.
and erosion control areas	G A
4.7.3. Bridges	Scope does not require service.
4.7.3.1.Model bridges and bridge	Scope does not require service.
class structures pre-project and post	18 A.
project	
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.

Exclusion / Modifications	Reason for Exclusion / Modifications
4.3.3. Lane widths	
4.3.4. Sidewalk widths and locations	Modified to define limits of sidewalk construction.
on Roosevelt Ave from Mission Rd to	
Steves Ave. Roadway improvements-	TO-03 update to include the north side of the UPRR
will not be designed at the following	Overpass through Steves Ave for new sidewalk and
locations, where recent COSA-	curb ramps.
projects have reconstructed curb.	ouro rampo.
(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.	
and a statement and all a statements	
4.3.5. Transitions and extent of	
construction of intersecting streets	
(coordinate with SAWS)	
4.3.6. Prepare Retaining wall plans for	Scope does not require service.
all retaining walls in excess of 3'	
4.4. Establish Horizontal Channel	Scope does not require service.
alignments showing	
4.4.1. Centerline geometry (centerline	Scope does not require service.
bearings, PI, PC, and PT stations,	
centerline curve data, etc.)	
4.4.2. Bottom width, horizontal	Scope does not require service.
distance to top of design section	
slope, etc	
4.5. Establish Roadway profiles	Scope does not require service.
4.0. Establish reducing promos	
	TO-03 updated to include Drainage Design.
4.5.1. Estimate storm drainage	Scope does not require service.
velocities	oupo aboo nor require convice.
relocities	TO 03 undated to include Drainage Design
4.5.2. Establish maximum flow	TO-03 updated to include Drainage Design. Scope does not require service.
	Scope does not require service.
capacity	TO 02 undeted to include Decisions Decision
4.6 Establish Design Discharge	TO-03 updated to include Drainage Design. Scope does not require corvice.
4.6. Establish Design Discharges	ecope uses not require cervice
	TO 00 we determine the first of a Decision of Decision
	TO-03 updated to include Drainage Design.
4.6.1. Delineate drainage areas and	Scope does not require service
establish flow patterns	
	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	Scope does not require service.
and related intensities	
	TO-03 updated to include Drainage Design.

Exclusion / Modifications	Reason for Exclusion / Modifications
3.9.3.3.Curbline	Scope does not require service.
	Information on bridge deck is not pertinent to project.
4 Deadway and Desirons Desire	
4. Roadway and Drainage Design 4.1. Establish Typical Roadway Cross	Modified to define where typical sections will be
sections showing lane, sidewalk, and	defined
clear zone widths, etc. for <i>Roosevelt</i>	aonnoa
Ave	TO-03 rework per Public Involvement findings
200.0	, ,
4.2. Develop Plan-Plan sheets for 1" =	Modified to define scale of sheets and limits of curb-
50' plans on Roosevelt Ave from	and sidewalk construction.
Mission Rd to Steves Ave.	
	TO-03 update to extended sidewalk and Mill &Overlay
No existing ground profiles will be	work from Eagleland through Steves Ave. No profiles,
provided, but spot elevations will be	just labels at regular intervals and the begin, end, and
provided at regular intervals along the	tie-in limits of project
autters.	Orașe deste est escuire escuire
4.2.1. Centerline 4.2.2. At gutter left of centerline	Scope does not require service.
	Scope does not require service.
4.2.3. At gutter right of centerline 4.3. Establish Horizontal Roadway	Scope does not require service.
alignments showing	
4.3.1. Centerline geometry (centerline	Assumed that all horizontal curves meet design
bearings, PI, PC, and PT stations,	criteria. CEC will not propose new alignments to
centerline curve data, curb return	address any substandard curve radii.
radii, etc.)	address arry substandard curve radii.
radii, etc.)	TO-03 update to extend alignment to Eagleland
4.3.2. Curb locations and geometry	Modified to define limits of curb construction.
on Roosevelt Ave from Mission Rd to-	
Steves Ave. Roadway improvements	TO-03 update to include the north side of the UPRR
will not be designed at the following-	Overpass through Steves Ave for new sidewalk and
locations, where recent COSA-	curb ramps.
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	

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Exclusion / Modifications	Reason for Exclusion / Modifications
3.7.6.1.Manhole rings and covers	
elevations	
3.7.6.2.Vault elevations and	Scope does not require service.
dimensions	No underground improvements or paving operations.
	TO-03 update from Highlands to Grove only.
	AT&T @ Grove;
	One of the second se
3.7.6.3.Conduit elevations at Vaults	Scope does not require service.
	No underground improvements or paving operations.
	TO 02 undate from Highlands to Group only
	TO-03 update from Highlands to Grove only. AT&T @ Grove;
	Arar @ Glove,
3.7.7. Underground Cable Television	
3.7.7.1.Manhole rings and covers	
elevations	
3.7.7.2. Vault elevations and	Scope does not require service.
dimensions	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
278 Davalan Utility Deceman	Original Contract & TO 02 undate
3.7.8. Develop Utility Basemap 3.7.9. Mains only	Original Contract & TO-03 update
3.7.10. Mains and services	Scope does not require service. Original Contract & TO-03 update
3.8. Survey Trees	Original Contract & TO-05 update
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,	Scope does not require service.
and bridge deck only	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.
	in strage deer is not permitted to project.
3.9.3.2.Break back line(s)	Scope does not require service.
	Information on bridge deck is not pertinent to project.

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3.7.2.1.Manhole Rings and Covers elevations         3.7.2.1.Manhole Rings and Covers elevations         3.7.2.2.1.more flevations and details (sizes, configurations, flow directions, north arrow)         7.0.3. Natural Gas         3.7.3.1.Varial Gas         3.7.4.1.Varial Gas         3.7.4.2.Invert elevations         Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only         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.         3.7.4.3.1. Top elevations         3.7.4.3.2. Floor and invert elevations         Scope does not require service.         No underground improvements or paving o	Exclusion / Modifications	Reason for Exclusion / Modifications
elevations         Scope does not require service.           3.7.2.2. Invert elevations and details (sizes, configurations, flow directions, north arrow)         Scope does not require service.           3.7.3.1.Valve Box elevations         TO-03 update from Highlands to Grove only.           3.7.3.1.Valve Stem elevations         Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only           3.7.3.1.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         Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.           3.7.4.2. Invert elevations         Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.           3.7.4.3.2. Floor and invert elevations         Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.           3.7.4.3.2. Floor and invert elevations         Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.           3.7.4.4.Outfall elevations         Scope does not require service. There are no outfalls within the project limits.           3.7.5.1.Underground Electric         Scope does not require service. No underground	3.7.2. Sanitary Sewer	
3.7.2.2.Invert elevations and details (sizes, configurations, flow directions, north arrow)       Seepe data not require service. No underground Improvements or paving operations. TO-03 update from Highlands to Grove only.         3.7.3. Natural Gas       TO-03 update from Highlands to Grove only.         3.7.3. Natural Gas       Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only         3.7.3. Valve Stem elevations       Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only         3.7.4. Storm Drainage       Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only         3.7.4. Storm Drainage       Seepe dates not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         3.7.4.3.1. Top elevations       Scepe dates not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         3.7.4.3.2. Floor and invert elevations       Scepe dates not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         3.7.4.3.1. Lateral details (sizes, configurations, flow directions, north arrow)       Scope does not require service. No underground Electric         3.7.5.4.4.Outfall elevations       Scope does not require service. There are no outfalls within the project limits.         3.7.5.1. Underground Electric       Scope does not require service. No underground improvements or paving operations. To-03 update from Highlands to Grove only.	3.7.2.1.Manhole Rings and Covers	
(sizes, configurations, flow directions, north arrow)       No-underground improvements or paving operations.         TO-03 update from Highlands to Grove only.       3.7.3. Natural Gas         3.7.3. Natural Gas       Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only         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. Test box elevations       Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only         3.7.4. Storm Drainage       Scope does not require cervice.         3.7.4.1.Manhole rings and covers elevations       Scope does not require cervice.         3.7.4.2. Invert elevations and details       Scope does not require cervice.         3.7.4.3.1. Top elevations       Scope does not require cervice.         3.7.4.3.2. Floor and invert elevations       Scope does not require cervice.         3.7.4.3.3. Lateral details (sizes, configurations, flow directions, north arrow)       Scope does not require service.         3.7.4.4.Outfall elevations       Scope does not require service.         3.7.4.4.Outfall elevations       Scope does not require service.         3.7.4.5.Culvert and headwall dimensions and elevations       Scope does not require service.         3.7.5.1.Manhole rings and covers elevations       Scope does not require service.         3.7.5.2.Vauit elevations an		
north arrow)       TO-03 update from Highlands to Grove only.         3.7.3. Natural Gas		
TO-03 update from Highlands to Grove only.         3.7.3. Natural Gas         3.7.3.1 Valve Box elevations         Only surface features were included in Original Fee.         TO-03 update from Highlands to Grove only         3.7.3.2.Valve Stem elevations         Only surface features were included in Original Fee.         TO-03 update from Highlands to Grove only         3.7.4.5.torm Drainage         3.7.4.1.Manhole rings and covers elevations         S.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         Scope does not require service.         No underground improvements or paving operations.         TO-03 update from Highlands to Grove only.         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.         3.7.4.4.Outfall elevations       Scope does not require service.         No underground improvements or paving operations.         TO-03 update from Highlands to Grove only.         3.7.4.2.Outfall elevations         Scope does not require servic		No underground improvements or paving operations.
3.7.3. Natural Gas     3.7.3.1.Valve Box elevations       3.7.3.1.Valve Stem elevations     Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only       3.7.3.2.Valve Stem elevations     Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only       3.7.4.1.Manhole rings and covers elevations     Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.       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     Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.       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.       3.7.4.3.2.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.Lateral details (sizes, configurations, flow directions, north arrow)     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.       3.7.5.1.Manhole rings and covers elevations     Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.       3.7.5.2.Vault	north arrow)	
3.7.3.1.Valve Box 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       Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only         3.7.4.Storm Drainage       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       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       Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         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.         3.7.4.4.Outfall elevations       Scope does not require service. There are no outfalls within the project limits.         3.7.5.Underground Electric       Scope does not require service. There are no culverts within the project limits.         3.7.5.Underground Electric       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 and dimensions       Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only. <td></td> <td>TO-03 update from Highlands to Grove only.</td>		TO-03 update from Highlands to Grove only.
3.7.3.1.Valve Box 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       Only surface features were included in Original Fee. TO-03 update from Highlands to Grove only         3.7.4.Storm Drainage       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       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       Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         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.         3.7.4.4.Outfall elevations       Scope does not require service. There are no outfalls within the project limits.         3.7.5.Underground Electric       Scope does not require service. There are no culverts within the project limits.         3.7.5.Underground Electric       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 and dimensions       Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only. <td>3.7.3 Natural Cas</td> <td></td>	3.7.3 Natural Cas	
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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       Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         3.7.4.3.1. Top 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.         3.7.4.5.Culvert and headwall dimensions and elevations       Scope does not require service. There are no outfalls within the project limits.         3.7.5.1.Manhole rings and covers elevations       Scope does not require service. There are no culverts within the project limits.         3.7.5.2.Vault elevations and dimensions       Scope does not require service. There are no culverts within the project limits.         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 op		
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.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)         3.7.4.4.Outfall elevations         Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         3.7.4.5.Culvert and headwall dimensions and elevations         Scope does not require service. There are no outfalls within the project limits.         3.7.5.1.Manhole rings and covers elevations         3.7.5.2.Vault elevations and dimensions         Scope does not require service. There are no culverts within the project limits.         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 p		, , ,
3.7.4. Storm Drainage       3.7.4.1.Manhole rings and covers elevations         3.7.4.1.Manhole rings and covers       Scope does not require corvice.         No underground improvements or paving operations.       TO-03 update from Highlands to Grove only.         3.7.4.3.Curb inlets       Scope does not require service.         3.7.4.3.1. Top elevations       Scope does not require service.         3.7.4.3.2. Floor and invert elevations       Scope does not require service.         3.7.4.3.3. Lateral details (sizes, configurations, flow directions, north arrow)       Scope does not require service.         3.7.4.0utfall elevations       Scope does not require service.         3.7.5.1.Manhole rings and covers elevations       Scope does not require service.         3.7.5.2.Vault elevations and dimensions       Scope does not require service.         3.7.5.2.Vault elevations and dimensions       Scope does not require service.         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.         3.7.5.2.Vault elevations and dimensions       Scope does not require service.	3.7.3.3.Test box elevations	Only surface features were included in Original Fee.
3.7.4.1.Manhole rings and covers       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.Curb inlets         3.7.4.3.1. Top elevations         3.7.4.3.2. Floor and invert elevations         3.7.4.3.3. Lateral details (sizes, configurations, flow directions, north arrow)         3.7.4.3.3. Lateral details (sizes, configurations, flow directions, north arrow)         3.7.4.5.Culvert and headwall dimensions and elevations         3.7.4.5.Culvert and headwall dimensions and elevations         3.7.5.1.Manhole rings and covers elevations         3.7.5.2. Vault elevations and dimensions         3.7.5.2. Vault elevations and dimensions         3.7.5.3.Conduit elevations at Vaults         Scope does not require service.         Number are no culverts within the project limits.         3.7.5.1.Manhole rings and covers elevations         3.7.5.2.Vault elevations and dimensions         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.         3.7.5.1.Manhole rings and covers         elevations         3.7.5.2.Vault elevations and dimensions         Scope		TO-03 update from Highlands to Grove only
3.7.4.1.Manhole rings and covers       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.Curb inlets         3.7.4.3.1. Top elevations         3.7.4.3.2. Floor and invert elevations         3.7.4.3.3. Lateral details (sizes, configurations, flow directions, north arrow)         3.7.4.3.3. Lateral details (sizes, configurations, flow directions, north arrow)         3.7.4.5.Culvert and headwall dimensions and elevations         3.7.4.5.Culvert and headwall dimensions and elevations         3.7.5.1.Manhole rings and covers elevations         3.7.5.2. Vault elevations and dimensions         3.7.5.2. Vault elevations and dimensions         3.7.5.3.Conduit elevations at Vaults         Scope does not require service.         Number are no culverts within the project limits.         3.7.5.1.Manhole rings and covers elevations         3.7.5.2.Vault elevations and dimensions         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.         3.7.5.1.Manhole rings and covers         elevations         3.7.5.2.Vault elevations and dimensions         Scope		
elevations       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       Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         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.         3.7.5. Underground Electric       Scope does not require service. There are no culverts within the project limits.         3.7.5.1.Manhole rings and covers elevations       Scope does not require service. There are no culverts within the project limits.         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.		
3.7.4.2.Invert elevations and details       Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         3.7.4.3.1. Top elevations       Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         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.         3.7.5.1.Manhole rings and covers elevations       Scope does not require service. There are no culverts within the project limits.         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.		
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         3.7.4.3.3. Lateral details (sizes, configurations, flow directions, north arrow)         3.7.4.3.3. Lateral details (sizes, configurations, flow directions, north arrow)         3.7.4.4.Outfall elevations         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         3.7.5.1.Manhole rings and covers elevations         3.7.5.2.Vault elevations and dimensions         Scope does not require cervice. 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 cervice. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.		Scope does not require service
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         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       Scope does not require service. There are no culverts within the project limits.         3.7.5.2.Vault elevations and dimensions       Scope does not require cervice. 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 cervice. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.	5.7.4.2. Invert elevations and details	
3.7.4.3.Curb inlets       3.7.4.3.1. Top elevations         3.7.4.3.1. Top 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.         3.7.5.1.Manhole rings and covers elevations       Scope does not require service. No underground improvements or paving operations. TO-03 update from Highlands to Grove only.         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.		no underground improvemente or paving operatione.
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		ive underground improvements or paving operations.
		TO-03 undate from Highlands to Grove only
3.7.6. Underground Telephone		to so aparte non rightands to Grove only.
	3.7.6. Underground Telephone	

Project Name: Roosevelt A	ve (Steves Ave to St. Mary's St UPRR Crossing)	Rev: 06/08/2020
Project Number (WBS):		
	ering Consultants	
COSA Project Manager: Amy Ramin		
COSA Project Manager. Any Ramin	ez, F.E.	Reasons for Exclusion/
Exclusion / Modifications	Reason for Exclusion / Modifications	
	Reason for Exclusion / Modifications	Modifications Legend
1. Initial Scope Meeting		"Disald", included in Orig Course
1.1. Complete DSR, Meeting and		"Blank"- included in Orig Scope
minutes		4
1.2. Prepare Preliminary Engineering	Scope does not require service.	"Scope does not require service"
Report (if required)		remains from the Original Scope
2. Right of Way Surveying		
2.1. Acquire Ownership information	Original Contract & TO-03 Rescope update	"Original Contract & TO-03
2.2. Secure Right of Entry		Rescope update" indicates that the
2.3. Survey ROW		scope of this work has been
2.3.1. Boundary	Scope does not require service.	MODIFIED by the Rescoping
2.3.2. Apparent ROW only	Original Contract & TO-03 Rescope update	(TO-03)
2.4. Monument ROW	Scope does not require service.	l
2.5. Prepare ROW Map	Scope does not require service.	
2.6. Prepare plats and field notes of	Scope does not require service.	"TO-03 addition" and indicates
parcels to be acquired		that this item of work has been
2.7. Flag existing corners, set new	Scope does not require service.	ADDED by the Rescoping or
corners, etc.		CCR-1 - SAWS Water or
3. Topographic Surveying/ Base		CCR-2 - SAWS Sewer
Mapping		
3.1. Establish Primary Project Control	Original Contract & TO-03 Rescope update	
3.2. Establish Secondary Project	Scope does not require service.	1
Control	CONSTRUCTION AND ADDRESS FOR AND PERSONNELLES AND	
3.3. Set Project centerline or baseline		1
an anna a' fhairte ann - fhairtean an ann an ann an an ann an ann an ann an a		
3.3.1. Interval _ <i>50'</i> _	Modified to define interval in original contract	1
3.4. Survey topographic features	Original Contract & TO-03 Rescope update	1
3.5. Survey Cross sections / spot		1
elevations to develop DTM/cross		
sections		
3.5.1. To ROW only		1
3.5.2. feet into adjacent	Scope does not require service.	1
property [everywhere] [where	Convertieurs auf de la terration de la convertieur de la fait de la convertieur de la fait de la convertieur de	
required] [only where ROE can be		
secured]		
3.6. Secure utility maps		1
3.6.1. Water		1
3.6.2. Sanitary Sewer		1
3.6.3. Natural Gas		1
3.6.4. Underground Electric		1
3.6.5. Overhead Electric		1
3.6.6. Underground Telephone		1
3.6.7. Overhead Telephone		1
3.6.8. Underground Cable Television		1
3.6.9. Overhead Cable Television		1
3.7. Survey Quality Level C locates		1
3.7.1. Water		1
		4
3.7.1.1.Valve Box elevations	Only on food food was a way in the table Onitian 15	4
3.7.1.2.Valve Stem elevations	Only surface features were included in Original Fee.	
	TO-03 update from Highlands to Grove only	

## Appendix 2CCity 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			
Lands	caping	g and D	esign E	Enhancement Sheets			
				Landscaping plans and details			
				Enhancement plans and details			
(Enhar	ncemer	nt plans	develop	ped by others to be incorporated into PS&E)			
Cross	Sectio	ons					
2		2	X	Street Cross Sections (Driveways only)			
				Drainage Cross sections			
Utility	Sheet	\$					
				[Joint bid utility] plans and details			
	Z		2	[Joint bid utility] plans and details Adding JB Water shts			
		☑	4	[Joint bid utility] plans and details Adding JB Sewer shts			
Misce	llaneo	us Stan	d Detai	il Sheets			
₹		2	₹	Rehabilitation plans for UPRR crossing			
				40% plans will be resubmitted			
				for 70% submittal			

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## Appendix 2CCity of San Antonio Capital Improvement Projects Generalized Scope of Services

0%	70%	95%	100%	Milestone		
				Environmental Waste Management Plan Quantities and Plan Details	, Specifications,	
				Transite Pipes Removal Plan, Specificat and Plan Details	ions, Quantities	
Roadv	vay Sh	eets				
<b>1</b>	. 🟹	<b>1</b>	V	Roadway plan and profile sheets		
				Intersection grading sheets		
<b>X</b>	2	<b>K</b>	Δ	Roadway detail sheets		
				Retaining Wall Layouts		
Draina	age Sh	eets				
				Drainage Overall		
		-				
				Storm Drainage plan and profile sheets		
				Lateral details and cross sections		
	2			Drainage details		
				Channel Plan and Profile		
Bridge	e Shee	ts				
				Bridge layouts		
				Bridge details		
Paven	nent M		and Si	gning Sheets		
				Pavement markings and signing details		
<b>V</b>		<b>1</b>	4	Traffic signal layouts		
<b>1</b>		<b>1</b>		Traffic signal details		
			paveme	ent markings plan sheets for 70%)		
		Sheets				
<b>1</b>			4	Illumination plans and conduit layouts	40% plans will be	
<b>V</b>			V	Illumination details ng; plans are only for aesthetic lighting at	for 70% submittal	

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