## AN ORDINANCE 2016-05-12-0347

AUTHORIZING AN AMENDMENT TO A PROFESSIONAL SERVICES AGREEMENT IN THE AMOUNT OF \$620,000.00 WITH BAIN MEDINA BAIN, INC. TO PROVIDE DESIGN AND CONSTRUCTION ADMINISTRATION FOR AN ADDITIONAL 3.5-MILE EXTENSION OF THE HOWARD W. PEAK GREENWAY TRAIL SYSTEM, FROM THE 2015 PROPOSITION 2 SALES TAX INITIATIVE.

\* \* \* \* \*

**WHEREAS**, the Greenway Trail System has been funded through a portion of a 1/8-cent voterapproved sales tax since its inception in 2000; and

WHEREAS, the objectives of the program are to acquire and preserve open space along the San Antonio creekways and to develop multi-use hike and bike trails, trailheads, signage and associated amenities for use by San Antonio residents and visitors; and

WHEREAS, on June 12, 2014, City Council approved a professional services agreement with Bain Medina Bain, Inc. in an amount up to \$809,634.00, through Ordinance 2014-06-12-0442; and

WHEREAS, under this agreement, Bain Medina Bain, Inc. has begun design on two trail segments: the Leon Creek Greenway (I-10 to Eisenhower Park) in Council District 8 and Salado Creek Greenway (Huebner Road to Loop 1604) in Council District 9; and

**WHEREAS**, to complete the full connection between the Leon and the Salado Creek Greenway Trail systems, an additional 3.5 mile extension needs to be designed and subsequently constructed along Salado Creek from Loop 1604 to Eisenhower Park; and

WHEREAS, at the time of the original professional services agreement, the City had not acquired the necessary land to perform planning, design and construction for this segment; and

WHEREAS, because the land is now available, the design work on the final necessary segment can proceed; and

WHEREAS, the proposed amendment will increase Bain Medina Bain, Inc.'s base contract value of \$809,634.00 by \$620,000.00 to a total contract amount of \$1,429,634.00, providing for the additional design and construction administration required in order to move forward with the third and final segment of the Leon to Salado Creek connection; NOW THEREFORE:

### BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SAN ANTONIO:

**SECTION 1.** The City Manager or her designee, or the Director of the Parks and Recreation Department or his designee, is authorized to execute an amendment in the amount of \$620,000.00 to a Professional Services Agreement with Bain Medina Bain, Inc. to provide design and construction administration for an additional 3.5-mile extension of the Howard W. Peak Greenway

SW/vv 05/12/16 Item #19

Trail System, from the 2015 proposition 2 sales tax initiative. A copy of the amendment, in substantially final form, is attached hereto and incorporated herein for all purposes as **Attachment I.** 

**SECTION 2.** Payment in the amount of \$620,000.00 in SAP Fund 40005000, Park Improvements, SAP Project Definition 26-0065X, Salado North (1604 to Eisenhower Park), is authorized to be encumbered and made payable to Bain Medina Bain, Inc., for professional service agreements.

**SECTION 3.** The financial allocations in this Ordinance are subject to approval by the Director of Finance, City of San Antonio. The Director of Finance may, subject to concurrence by the City Manager or the City Manager's designee, correct allocations to specific SAP Fund Numbers, SAP Project Definitions, SAP WBS Elements, SAP Internal Orders, SAP Fund Centers, SAP Cost Centers, SAP Functional Areas, SAP Funds Reservation Document Numbers, and SAP GL Accounts as necessary to carry out the purpose of this Ordinance.

**SECTION 4.** This ordinance is effective immediately upon the receipt of eight affirmative votes; otherwise, it is effective ten days after passage.

PASSED AND APPROVED this 12th day of May, 2016.

K. K

Ivy R. Taylor

**APPROVED AS TO FORM:** Martha G. Sepeda ttorney

Agenda Item:	19 (in consent	vote: 4, 5, 6, 7,	10, 11, 12,	14, 15, 16	, 17, 18, 19 )					
Date:	05/12/2016									
Time:	09:26:39 AM									
Vote Type: Motion to Approve										
Description:	An Ordinance aut \$620,000.00 and a fees from the 201 \$740,000.00 to pr the Howard W. Po in Council Distric Director, Parks ar	authorizes paym 5 Proposition 2 S ovide design and eak Greenway T ot 9. [María D. V	ent for \$60 Sales Tax I d construct rail Systen	),000.00 in Initiative to tion admini n along Sal	contingency and Bain Medina B istration for an ad lado Creek from	l \$60,000.00 in r ain, Inc. in the to Iditional 3.5-mil Loop 1604 to Ei	equired project otal amount of e extension of senhower Park			
Result:	Passed									
Voter	Group	Not Present	Yea	Nay	Abstain	Motion	Second			
Ivy R. Taylor	Mayor		x							
Roberto C. Treviño	District 1		x				x			
Alan Warrick	District 2		x			x				
Rebecca Viagran	District 3		x							
Rey Saldaña	District 4		x							
Shirley Gonzales	District 5		x		0 UN1047177					
Ray Lopez	District 6		x							
Cris Medina	District 7	x								
Ron Nirenberg	District 8		x							
Joe Krier	District 9		x							
Michael Gallagher	District 10		x							

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#### AMENDMENT NO. 1 TO THE PROFESSIONAL SERVICES AGREEMENT

#### WITH BAIN MEDINA BAIN, INC.

This Amendment No. 1 to the Professional Services Agreement with Bain Medina Bain, Inc. is made by and through the City of San Antonio, a Texas municipal corporation ("City"), acting by and through its City Manager or her designee, pursuant to Ordinance No. \_\_\_\_\_\_\_, passed and approved on \_\_\_\_\_\_\_, 2016, and Bain Medina Bain, Inc. a Texas for-profit corporation ("Consultant").

WHEREAS, Ordinance No. 2014-06-12-0442 authorized the City and Consultant to enter into a Professional Services Agreement for the design and construction administration for architectural and engineering design services for the Howard W. Peak Greenway Trail System Project ("Project"); and

WHEREAS, City and Consultant wish to expand the Project to include newly acquired City-owned property to connect the Leon Creek Greenway in Council District 8 and Salado Creek Greenway in Council District 9; and

WHEREAS, City and Consultant wish to complete the full connection between the Leon and Salado Creek Greenway Trail systems to include the design and construction of 3.5 miles of trail along Salado Creek from Loop 1604 to Eisenhower Park.

NOW THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That the City and Consultant hereby agree as follows:

A. Article I Definitions is hereby modified to include Section 1.14 and Section 1.15 as follows:

1.14 "Compensation to Consultant" shall mean units of service completed and approved by City and the associated unit price for such service, as may be described in Scope of Services, and Compensation for Additional Services; as referenced in Exhibit 1, Exhibit 1-A, Exhibit 3 and Exhibit 3-A, accordingly.

1.15 "Scope of Services" shall mean the approved Scope of Services attached hereto, incorporated by reference herein and labeled as Exhibit 3, and Exhibit 3-A.

B. Article II Compensation, Section 2.1 is deleted in its entirety and is hereby replaced with the following: The compensation for all services included in this Agreement and in the Scope of Services for this Agreement shall not exceed \$1,429,634.00. The amount to be paid to Consultant, including authorized adjustments, is the total amount payable by City to Consultant for performance of the Services under this Agreement. It is agreed and understood that such amount will constitute full Compensation to Consultant for Services included in the Scope of Services and shall meet all applicable requirements of City's Design Guidelines. Unless and until City makes further appropriations for additional services not included in the Scope of Services of this Agreement, the obligation of City to

Consultant for Compensation in connection with this Agreement cannot and will not exceed such sum of \$1,429,634.00 without further amendment to this Agreement.

C. Exhibit 1-A is added as an attachment herein.

D. Exhibit 3-A is added as an attachment herein.

Except as modified herein, all terms and conditions contained in the Agreement entered into under authority of Ordinance No. 2014-06-12-0442 shall remain in full force and effect.

All other terms of the original License Agreement shall stand as otherwise stated.

Signed this day of , 2016.

City of San Antonio, a Texas municipal Consultant: Bain Medina Bain, Inc. corporation

By: Janet A. Martin, Act Parks and Recreation		By: Name: Title:	
Date:		Date:	
Attest:			
City Clerk		n and a start of the second	
Approved as to Form	1: **** ***** *****		

City Attorney

### **EXHIBIT 1**

### PROJECT FEE SUMMARY (TO INCLUDE REIMBURSEABLES, IF ANY) AND TIMELINE FOR DESIGN PHASE SERVICES

Landscape/Engineering Design Services For the Howard W. Peak Greenway Trails System Project Page 27 of 31

Revised 04-09-2014

### Fee Summary and Timeline for Design Phase Services

Project Name: CoSA - HOWARD W PEAK GREENWAY TRAILS SYSTEM

Date: May 13, 2014

		Timeline in Calendar	<u></u>
	Activity	Days	Fee
En	gineering Services Phase - Project Initiation		
1.	Bain Medina Bain, Inc.		\$ 38,575.50
2.	CFZ Group, LLC (Landscape Architect)		\$ 3,367.00
3.	Cleary Zimmermann Engineers (MEP Engineering Services)		\$ 1,935.00
4.	Structural Engineering Associates, Inc.		\$ 2,103.20
5.	Pape-Dawson Engineers, Inc.		\$ 4,000.00
	Engineering Services Phase Subtotal		\$ 49,980.70
Sc	hematic Design Phase	90	 
1.	Bain Medina Bain, Inc.		\$ 71,699.00
2.	CFZ Group, LLC (Landscape Architect)		\$ 10,568.00
3.	Cleary Zimmermann Engineers (MEP Engineering Services)		\$ -
4.	Structural Engineering Associates, Inc.		\$ 330.00
5.	Pape-Dawson Engineers, Inc.		\$ -
	Schematic Design Phase Subtotal		\$ 82,597.00
Co	nstruction Document Basic Services		
1.	Bain Medina Bain, Inc.		\$ 24,966.00
2.	CFZ Group, LLC (Landscape Architect)		\$ 280.00
3.	Cleary Zimmermann Engineers (MEP Engineering Services)		\$ -
4.	Structural Engineering Associates, Inc.		\$ 330.00
5.	Pape-Dawson Engineers, Inc.		\$ -
	Construction Document Phase Subtotal		\$ 25,576.00
50%	6 Design Phase	90	
1.	Bain Medina Bain, Inc.		\$ 63,979.00
2.	CFZ Group, LLC (Landscape Architect)		\$ 20,540.00
3.	Cleary Zimmermann Engineers (MEP Engineering Services)		\$ 3,725.00
4.	Structural Engineering Associates, Inc.		\$ 18,773.04
5.	Pape-Dawson Engineers, Inc.		\$ 4,000.00
	50% Design Phase Subtotal		\$ 111,017.04
95%	6 Design Phase	90	
1.	Bain Medina Bain, Inc.		\$ 43,608.50
2.	CFZ Group, LLC (Landscape Architect)		\$ 17,149.00
3.	Cleary Zimmermann Engineers (MEP Engineering Services)		\$ 5,015.00
4.	Structural Engineering Associates, Inc.		\$ 18,443.04
5.	Pape-Dawson Engineers, Inc.		\$ 4,000.00
	95% Design Phase Subtotal		\$ 88,215.54
Fin	al Submittal Phase	30	
1.	Bain Medina Bain, Inc.		\$ 17,402.00
2.	CFZ Group, LLC (Landscape Architect)		\$ 1,544.00
3.	Cleary Zimmermann Engineers (MEP Engineering Services)		\$ -
4.	Structural Engineering Associates, Inc.		\$ 165.00
5.	Pape-Dawson Engineers, Inc.		\$ -
	Construction Document Phase Subtotal		\$ 19,111.00

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Bic	I Phase	60		
1.	Bain Medina Bain, Inc.		\$	15,028.00
2.	CFZ Group, LLC (Landscape Architect)		\$	1,627.00
3.	Cleary Zimmermann Engineers (MEP Engineering Services)		\$	-
4.	Structural Engineering Associates, Inc.		\$	825.00
5.	Pape-Dawson Engineers, Inc.		\$	-
	Bid Phase Subtotal		\$	17,480.00
Co	nstruction Phase	365		
1.	Bain Medina Bain, Inc.		\$	20,168.00
2.	CFZ Group, LLC (Landscape Architect)		\$	3,040.00
3.	Cleary Zimmermann Engineers (MEP Engineering Services)		\$	806.25
4.	Structural Engineering Associates, Inc.		\$	2,145.00
5.	Pape-Dawson Engineers, Inc.		\$	-
	Construction Phase Subtotal		\$	26,159.25
Eva	aluation of the Work			
1.	Bain Medina Bain, Inc.		\$	44,082.00
2.	CFZ Group, LLC (Landscape Architect)		\$	6,940.00
3.	Cleary Zimmermann Engineers (MEP Engineering Services)		\$	1,612.50
4.	Structural Engineering Associates, Inc.		\$	3,960.00
5.	Pape-Dawson Engineers, Inc.		\$	-
	Evaluation of the Work Subtotal		\$	56,594.50
Su	bstantial Project Completion Phase			
1.	Bain Medina Bain, Inc.		\$	18,786.50
2.	CFZ Group, LLC (Landscape Architect)		\$	-
3.	Cleary Zimmermann Engineers (MEP Engineering Services)		\$	806.25
4.	Structural Engineering Associates, Inc.		\$	2,640.00
5.	Pape-Dawson Engineers, Inc.		\$	-
	Substantial Project Completion Phase Subtotal		\$	22,232.75
Ad	ditional Subconsultant Participation Services			
1.	Archaeological Services - UTSA Center for Archaeological Research		\$	24,866.00
2.	Environmental Services - Adams Environmental, Inc.		\$	13,030.00
3.	Geotechnical Services - Burge-Martinez Consulting, Inc.		\$	8,285.00
	Additional Subconsultant Participation Services Subtotal		\$	46,181.00
Ad	ditional Services			· · · · · · · · · · · · · · · · · · ·
1.	Bain Medina Bain, Inc.			
	a. Drainage Study		\$	17,177.00
	b. Stormwater Management Report		\$	9,786.00
	Additional Services Subtotal		\$	26,963.00
Add	ditional Services - Water Pollution Abatement Plan			
1.	Pape-Dawson Engineers, Inc.		\$	24,450.00
	Additional Services WPAP Subtotal		\$	24,450.00
Su	veying Services			
<u></u> 1.	Bain Medina Bain, Inc.		\$	172,300.00
Kare.	Surveying Services Subtotal		\$	172,300.00
			Ψ	17 =,000.00
	BTOTAL FEE		\$	768,857.78
PRI	NTING & MISCELLANOUS		\$	10,000.00
ΤO	TAL		\$	778,857.78
<u> </u>			*	

Optional Services	
Additional Subconsultant Participation (UTSA - Archaeological)	\$ 2,442.00
Additional Subconsultant Participation (Adams - Environmental)	\$ 6,690.00
Additional Subconsultant Participation (Burge-Martinez - Geotechnical)	\$ 4,500.00
Additional Consultant Surveying Services (BMB)	\$ 17,144.00
Optional Services Subtotal	\$ 30,776.00
GRAND TOTAL	\$ 809,633.78

Fee Summary and Timeline for Design Phase Services Project Name: CoSA - HOWARD W PEAK GREENWAY TRAILS SYSTEM ADDITIONAL SERVICES - ROGERS RANCH SEGMENT

Date: APRIL 14, 2016

	Activity	Timeline in Calendar Days		Fee
Engine	ering Services Phase - Project Initiation			
	n Medina Bain, Inc.		\$	40,183.50
	ndscape Subconsultant		\$	833.00
	uctural Subconsultant		\$	-
	P Subconsultant		\$	-
5. Env	vironmental & Archaeological Engineering Subconsultant		\$	-
6. Ge	otechnical Subconsultant		\$	-
	Engineering Services Phase Project Initiation Subtotal		\$	41,016.50
Schem	atic Design Phase	90		
I. Bai	n Medina Bain, Inc.		\$	54,236.00
2. Lar	ndscape Subconsultant		\$	4,352.00
3. Stru	uctural Subconsultant		\$	-
4. ME	P Subconsultant		\$	-
5. Env	vironmental & Archaeological Engineering Subconsultant		\$	-
6. Ge	otechnical Subconsultant		\$	-
	Schematic Design Phase Subtotal		\$	58,588.00
Constr	uction Document Basic Services	90	- · ·	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	n Medina Bain, Inc.		\$	25,288.0
	dscape Subconsultant		\$	
	Jocural Subconsultant		\$	-
	P Subconsultant		\$	
	rironmental & Archaeological Engineering Subconsultant		\$	
	btechnical Subconsultant		\$	-
Satore	Construction Document Basic Services		s	25,288.00
	uction Drawing Submittals 50% Design Phase Services	90	*	23,280.00
		90	-	ED 424 0
· · · · · · · · · · · ·	n Medina Bain, Inc.		\$ \$	52,431.00
	dscape Subconsultant			8,588.00
	Inclural Subconsultant		\$	7,798.28
	P Subconsultant		\$	5,000.00
	vironmental & Archaeological Engineering Subconsultant		\$ \$	-
. 08				
	Construction Drawing Submittals 50% Design Phase Services		\$	73,817.28
	uction Drawing Submittals 95% Design Phase Services	90		
	n Medina Bain, Inc.		\$	37,992.50
	dscape Subconsultant		\$	6,637.00
	Ictural Subconsultant		\$	2,546.56
	P Subconsultant		\$	7,700.00
	ironmental & Archaeological Engineering Subconsultant otechnical Subconsultant	• • • • • • • • • • • • • • • • • • • •	\$	
			\$	
	Construction Drawing Submittals 95% Design Phase Subtotal		\$	54,876.06
	uction Drawing Final Submittal Phase Services	30	ļ	
	n Medina Bain, Inc.		\$	13,370.00
	dscape Subconsultant		\$	-
	ictural Subconsultant		\$	-
	P Subconsultant		\$	
	ironmental & Archaeological Engineering Subconsultant		\$	-
. Géo	technical Subconsultant		\$	-
0.225.03	Construction Drawing Final Submittal Phase Subtotal		\$	13,370.00
	ction Drawing Bidding Submittal Phase Services	365	ļ	
	Medina Bain, Inc.		\$	13,612.00
	dscape Subconsultant	÷	\$	1,340.00
	ctural Subconsultant		\$	-
······	<sup>2</sup> Subconsultant		\$	-
	ironmental & Archaeological Engineering Subconsultant		\$	
Geo	technical Subconsultant		\$	-
	Construction Drawing Bidding Submittal Phase Subtotal		\$	14,952.00
onstru	iction Phase	365		
Bair	Medina Bain, Inc.		\$	16,773.00
Lan	dscape Subconsultant		\$	3,685.00
	ctural Subconsultant		\$	3,135.00
MEF	2 Subconsultant		\$	-
	ironmental & Archaeological Engineering Subconsultant		\$	-

Cons	struction Phase Subtotal	\$	23,593.00
Evaluation of the Work			
1. Bain Medina Bain, Inc.		\$	38,376.00
2. Landscape Subconsultant		\$	-
3. Structural Subconsultant		\$	-
4. MEP Subconsultant		\$	-
5. Environmental & Archaeological Engineering Sub	consultant	\$	-
6. Geotechnical Subconsultant		\$	-
Evaluat	on of the Work Subtotal	\$	38,376.00
Substantial Project Completion Phase			
1. Bain Medina Bain, Inc.		\$	15,198.50
2. Landscape Subconsultant		\$	· .
3. Structural Subconsultant		\$	· .
4. MEP Subconsultant		\$	
5. Environmental & Archaeological Engineering Sub	consultant	\$	*
6. Geotechnical Subconsultant		\$	-
Substantial Project Cor	npletion Phase Subtotal	\$	15,198.50
Additional Subconsultant Participation Service	es estatution estatu		
			co 700 0 /
1. Environmental & Archaeological Engineering Sub	consultant	\$	58,799.64
2. Geotechnical Subconsultant		\$\$	6,750.00
Additional Subconsultant Particip	bation Services Subtotal	\$	65,549.64
Additional Services	· · · · · · · · · · · · · · · · · · ·		
1. Bain Medina Bain, Inc.			
a. Drainage Study		\$	14,553.00
<ul> <li>b. Stormwater Management Report</li> </ul>		\$	7,942.00
Add	tional Services Subtotal	\$	22,495.00
Additional Services - Water Pollution Abateme	nt Plan		
1. Landscape Subconsultant		\$	40,650.00
Additional S	ervices WPAP Subtotal	\$	40,650.00
Surveying Services			
1. Bain Medina Bain, Inc.	· · · · · · · · · · · · · · · · · · ·	\$	108,564.00
	eving Services Subtotal	\$	108,564.00
	ojing controse cabiotal		
BMB Subtotal		\$	438,519.50
Subconsultant Participation			
Structural Subconsultant		\$	13,479.84
Landscape Subconsultant		\$	66,085.00
MEP Subconsultant Environmental & Archaeological		\$	12,700.00 58,799.64
Geotechnical Subconsultant		\$	6,750.00
		\$	
Subconsultant Subtotal		<b>&gt;</b>	157,814.48
SUBTOTAL FEE		\$	596,333.98
PRINTING & MISCELLANOUS		\$	10,556.02
TOTAL		\$	606,890.00
			000,000.00
Additional Survey Services For Easements	· · · · · · · · · · · · · · · · · · ·		
A Easements - Roger's Ranch		\$	5,846.00
B Easements - Salado North		\$	7,264.00
Add	litional Survey Services	\$	13,110.00
GRAND TOTAL		\$	620,000.00

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	A	DITIONA		ES - APR	IL 14, 2016					-		-
	POSITION DESCRIPTION BILLABLE LABOR RATES	Project Manager \$170.00	Project Engineer \$130.00	Designer EIT \$99.00	CADD Tech II \$91.00	Admin \$65.00	Project Surveyor \$140.00	Survey Tech \$88.00	Abstractor \$80.00	Survey Crew 3-Person \$200.00	Total Labor hrs.	Cost
ETAIL	ED DESIGN PHASE SERVICES											
) ENGE	IERNING SERVICES	<b></b>										
A. 8	Altend Scope Development & Project Instation Meeting Revise Scope, as needed Subtotal Cost.	10 20	1.0	4.0		1.0					2.0	\$ 300 \$ 1.841 \$ 2,141
2 A.	TDLR REVIEW AND COMPLIANCE Prepare TDLR Forms and Request TDLR Review Fee from Owner (TDLR FEES \$850 00 for ReVIEW, plus \$725 00 for INSPECTION = \$1 \$75 00).		10	[	10	10				[	30	\$ 28
В. С. О	Submit Project Documents for TDLR Review Revise Plans per Comments, as necessary Request TDLR Inspection		05	3.0	05	0.5 0.5 0.5					10 40 10	\$ 7 \$ 37 \$ 9
E F	Atland TDLR Inspection Provide Contractor Punchist of Items to be Addressed, if necessary Subtotal Cost		<u>15</u> 05	15		0.5			<u> </u>		30 20	\$ 34 \$ 19 \$ 1,37
3 A B	CONSULTANT RESPONSIBILITY Review Project Junstictions and Expected Reviewing Agencies Contact and Gather Points of Contacts and Submittel Requirements	1.0	30 10	2.0	F	2.0			[		40	\$ 56 \$ 45 \$ 1,01
4 A	CONSULTANT CONTRACTOR AND CITY COORDINATION Comsultant Authority Modification, Processing, and Team Notification Subtrial Cost:		I	1	1 	I		1	1		00	3 5 5
5 A. B	BITE VISITS / MEETINGS Project Initiation (1 Site Walk-thru with Design Team)	16.0 24.0	16.0	24.0		L	80		4. 	l	40.0	\$ 5,92 \$ 11,81
с. D	Schematic (3 Site Valts, 1 Site Meeting with Cby, 1 Coordination Meeting with Property Owner) Construction Documents - 50%, soft 30% and 100% submittals (3 Site Valts and 1 Owner Coordination Site Meeting) Construction Phase (See Construction Phase Services Section)	12.0	16.0	16.0			16.0				60.0	<b>s</b> 7,94
6 7	Construction Prace of the Construction Prace Section, Devisition Construction (Included in Design) (31Y BERVICES AND COORDINATION		1 	.L	1		<u>.</u>					
A B	Request information from pertinent Cay Departments (such as Traffic, Drainage, and/or Public Works) Coordinate with such City Departments Subtotal Cost		20 20	2.0	10 10	4.0			10		10.0	\$ 88 \$ 54 \$ 27,11
8	VERIFY DESIGN CRITERIA PROJECT MEETINGS, PRESENTATIONS TO OFFICIALS, PUBLIC HEARINGS, STAKEHOLDER MEETINGS				·	1	1	· · · · · · · · · · · · · · · · · · ·	-t		-1	
A B C	Venty Applicable Design Criteria Project Team Meetings (1 per submittal 4 submittalis) Public Hearings (3 Hearings)	40 80 60	20 80 60	8.0							80 240 120	\$ 1,13 \$ 3,19 \$ 1,80 \$ 2,40
D. JMINIAI	Presentations to City Officials (2 Presentations) Y - ENGINEERING SERVICES - PROJECT WITHATION Subiotal Cost:	8.0	80						1.00		16.0	\$ 8,53
	HOURS SUB-TOTALS BILLABLE RATE PER HOUR (LABOR BURDEN & OVERHEAD) SUBTOTAL	82 00 \$170 00 \$13,940.00	100.50 \$130.00 \$13,085.00	65.50 \$59.00 \$6.484.50	4 00 \$91.00 \$384 00	10.00 \$65.00 \$650.00	40.00 \$140.00 \$5.600.00	0.00 \$86.00 \$0.00	\$80.00 \$80.00	0.00 \$200.00 \$0.00		\$ 40,18
	Alte oraș dire Elepto, e devi a. Structură Subconsultant D. Landkape Subconsultant — MEP Subconsultant											<u>s</u> 83
	C MEP Subconsularm Environmetal & Archaectopca: Engineering Subconsularit e Geotechnical Subconsularit SubconsultAnt SuBCOTAL											\$ 83
8	SCHEMATIC DESIGN PHASE SERVICES			1	J							\$ 41,01
9.1 A B	PRELIMINARY EVALUATION OF CITY'S PROJECT PLAN Evaluate City's Program Evaluate City's Schedule	30	1.0	10				I			50	<b>s</b> 73 <b>s</b> 64
C D E	Evaluate City's Budget Evaluate City's Project Site Evaluate City's Dolivery Method and other Initial Information	30 30 20	1.0 1.0 1.0								4 D 4 D 3 0	\$ 64 \$ 64 \$ 47
F. 9.2	Provide Comments based on Evaluation Provide Comments based on Evaluation SubModal Cost: PRELIMINARY EVALUATION SUBMITTAL INCLUDING CESSION SUMMARY REPORT)	30	1.0	10		10		<u>+</u>			6.0	\$ 80 \$ 3,93
А. В.	Present Presminary Evaluation Present Design Approaches Subtotal Cost:	4.0	40	4.0		4.0					16.0 15.0	\$ 1,85 \$ 1,85 \$ 1,85 \$ 3,71
9.3 A.	VALUE DESIGN / ENGINEERING Research Alternative Value Engineering and Materials Subtotal Cost	4.0	20	40			<u> </u>					s 1.33 s 1,33
94 A B	PRELIMINARY DESIGN PRESENTATION Propare Presentation Exhibits Present to City.	40	40	80	16.0	80		I			400	\$ 3,96 \$ 94
95 A	SUBJORN BUBBORING SUBJORNMENTS		10	20	2.0		1.2.2.2	1 I			1 50	\$ 4,90 \$ 51
B C D	Prepare Preliminary Ste Layout with Proposed Trail Alignments including alternatives Prepare Preliminary Trail Head and Parking Layouts Prepare Preliminary Typical Sections at Pertnern Locations	8.0 2.0 8.0	12.0 12.0 4.0	12 0 12 0 8 0	12.0 24.0 12.0						44.0 50.0 32.0	\$ 5,20 \$ 5,27 \$ 3,76
E F. G	Prepare Preliminary Drainage Area Maps (Existing Conditions) Prepare Preliminary Salado Creek Crossing Layouts Prepare Preliminary Usity Plan	2.0 2.0 2.0	8.0 8.0 4.0	12.0 12.0 4.0	8.0 16.0 8.0						30.0 38.0 18.0	\$ 3,29 \$ 4,02 \$ 1,96
9.6 9.7 A	HETORICAL DESIGN REVIEW COMMISSION (HERG) ESTIMATED COST OF WORK Proper Preimany Cost Estimate	8.0	80	12.0	80	1.0	NOT INCLUDE	р	1	 [	37.0	\$ 4,38
9.8	Subtoal Cost: SCHEMATIC DESIGN PACKAGE SUBMITTAL Quality Control Data Package Submittal	40	80	1 120	80	40	l r	1 r			36.0	\$ 28,43 \$ 3.89
B C	Popare Submital Package Submit Package to City Subtotal Cost:		10	2.0	4.0	2.0					90 50	\$ 82 \$ 45 \$ 5,16
A B	PREPARE BLOING COCUMENTS (PERFORMED DURING FINAL SUBMITTAL) Bidding and Procumenti Information Form of Agreement between City and Curitactor	2.0 2.0 2.0	4.0	80		4.0		1	[		14.0	\$ 1.39 \$ 1.31
C D	Contidence of the Construction Contract and General. Supplementary, and other Conditions Prepare a Project Manual Subtotal Cost:	20 20 10	4.0	4.0 8.0		40 80					14.0 25.0	\$ 1.51 \$ 2.52 \$ 6,74
ымар	Y' BOHEMAYKO DESIDA PHASE Hours Sub-totals Billable Rate Per Hour (Labor Burden & Gyenhead)	80.00 \$170.00	105.90 \$130.00	154.00 \$99.00	119.00 \$91.00	46.00 \$65.00	0.00 \$140.00	0.00 SKH 00	0.00	0.00 \$200.00		
	BUBTOYAL December of the sector A. Structural Subconsultant	\$13,600.00	\$13,850.00	\$13,167.00	\$10 629 00	\$2,990,00	\$0.00	\$0.00	\$0.00	\$0.00		\$ 54,23
	b Landscape Subconsultant c MEP Subconsultant d Environmental & Archeological Engineering Subconsultant											\$ 4,35
	e Geolachnical Subconsultant SUBCONSULTANT SUBTOTAL TOTAL											\$ 4,35 \$ 58,58
11 A	CONSTRUCTION DOCUMENT PHASE SERVICES Request and Atland, a Schematic Design Commant Review Meeting	4.0	4.0	I	I	I	Γ	I		addin y Karris	80	<b>\$</b> 1,20
1.1 1.2 1.3	PREPARE CONSTRUCTOR DOCUMENTS FOR CITY APPROVAL PURTHER DEVELOPMENT PLAN OTHER CONFERNMENTAL AGENCIES											
A	San Antonio Water Systems (SAWS) a. Submit Plans and Specifications for Review (1 Submittal) b. Revise Plans per Comments and Resubmit	10	40	40	4.0	2.0					15.0 11.0	\$ 1,58 \$ 1,20
8	CPS Energy a Subhotal Cost: a Subhit Plans and Specifications for Review (1 Submittal)	1.0	20	8.0	40	2.0					17.0	\$ 3,98 \$ 1,71
с	5 Revise Plans per Comments and Resultmit TxDOT Subtotal Cost:	10	20	40	20	2.0					11.0	\$ 1,13 \$ 2,85
	a. Submit Plans and Specifications for Review (1 Submittal) b. Revise Plans per Comments and Resubmit Subtotal Cost:	20 20	8.0 8.0	40 40	40	2.0 2.0					20 0 18,0	\$ 2.27 \$ 2.08 \$ 4,35
D	Roges Ranch Property Building Stream St Stream Stream Stre	2.0	20	20	4.0	2.0					60 160	\$ 79 \$ 1,75
Е.	D. Subma Plans per Comments and Resubmit C. Revise Plans per Comments and Resubmit TCED Subtotal Cost:	1.0	20	20	2.0	2.0				· · · · · · · · · · ·		\$ 94 \$ 3,48
	a Meet with TCEQ b. Submit Plans and Specifications for Review (1 Submittal)	2.0 1.0 1.0	2 0 4 0 2.0	2.0 8.0 2.0	40	20					60 190 90	\$ 79 \$ 1.97 \$ 94
F	c Revise Plans per Comments and Resubmet Subtotal Cost: HOAs (2 HOA's estimated) A. Ment with HOA Benzeentative	40	4.0	4.0	<u>, , , , , , , , , , , , , , , , , , , </u>	20					12.0	\$ 944 \$ 3,71 \$ 1,59
	a Meet with HOA Representative © Submit Plane and Specifications for Review (1 Submittal) © Revise Plans per Comments and Resubmit © Revise Plans per Comments and Resubmit	40 40 40	4.0 8.0 8.0	40 40 40	4.0 2.0	4.0					12.0 24.0 22.0	\$ 2,74 \$ 2,55
	Subiolal Cost: Y. CONSTRUCTION DOCUMENT BASIC SERVICES HOURS SUB-TOTALS	33 00	68 00	56.00	36.00	28.00	0.00	0.00	0.00	0.00		\$ 6,89
	BILLADLE RATE FER HOUR (LABOR BURDEN & OVERHEAD) SUBTOTAL Subtromatical bettergradem	\$170.00 \$5.610.00	\$130.00 \$8,840.00	\$98.00 \$5,742.00	\$91.00 \$3.276.00	\$65.00 \$1.820.00	\$140.00 \$0.00	\$86 00 \$0.00	\$60.00 \$0.00	\$200.00 \$0.00		\$ 25,28
	a Structural Subconsultant b. Landscape Subconsultant c. MEP Subconsultant											
	d. Environmental & Archaeological Engineering Subconsultant e Geotechnical Subconsultant SUBCONSULTANT SUBTOTAL						<u> </u>					

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	POSITION	Project	T Project	ES - APRI	CADD	1	Project	Survey	1	Survey Crew	Total	Cost
_	DESCRIPTION BILLABLE LABOR RATES	Manager \$170.00	Engineer \$130.00	EIT \$99.00	Tech 8 \$91.00	Admin \$65.00	Surveyor \$140.00	Tech \$88.00	Abstractor \$80.00	3-Person \$200.00	Labor hrs.	
123	CONSTRUCTION DRAWINGS SUBMITTALS 80% Submittal 9 Plansheets				1	1	<b></b>	I	(		<u> </u>	
	2 Site Survey		19	2.0	20	-					50	<b>S</b> <b>S</b> 1
	3 Tree Catalog 4 Index of Sheets		2.0	12.0	16 0 1 0						30.0 2.5 16.0	\$ 2. \$
	5 Project Layout/Control 6. General Notes 7. Preliminary/project Sections 7. Preliminary/project Sections 7. Preliminary		40 20 20	6.0 4.0 4.0	60 40 40						10.0	5 1/ 5 1/ 5 1/
-	Freiningary pycea Sections, Retaining Wall Design, and Pavement Design     Bid Item Summary	40	120	24.0	12.0						52.0	\$ 5. \$ 1.
_	10. Preliminary Grading Plan     11. Drainage Area Map and Calculations	40	12.0 8.0	16.0	40.0						72 0 23 0	\$ 7, \$ 2,
	Low Water Creek Crossing Layouts     Traffic Control Standard Details	20	8.0 1.0	80	16 0 2 0						34 0 6.0 3.0	\$ 3,0 \$ 0 \$
	14. SWPPP Plan (Coordination) PREPARE DE SIGN SUMMARY REPORT UTILITY COORDINATION REPORT	2.0	1.0 4.0 4.0	10 80 80	1.0	40				1	18.0	s 1.9 s 1.9
	J 50% COST ESTIMATE LIST OF GOVERNING AND SPECIAL SPECIFICATIONS	40	16.0 8.0	16.0		40					40.0	S 4,6 S 2,4
	PROJECT SCHEDULE GEOTECHNICAL REPORT (Coordination)	20	4.0 2.0 4.0	4.0	1.0	2.0					12.0 5.0	S 1, S
·	WRITEN RESPONSE TO SCHEMATIC DESIGN DOCUMENT COMMENTS OA/OC CERTIFICATION FORM SCHEDULENTEND PUBLIC MEETING	10	1.0	40		20					11.0 5.0 4.0	<u>s 1</u> <u>s</u>
-	SCHEDULEATTEND POBLIC MEETING SOMEDULEATTEND 50% REVIEW MEETING 50% PACKAGE SUBMITTAL	20	20	1		+	1				40	5
	Durity Control/Cuality Assurance Derepare Submittal Package	80 10	16.0	80 20	80 30	2.0	[			I	40.0	<u>\$ 4,5</u>  \$ 1
	2. Submit Package to City 1. CD WITH POES OF DELIVERABLES			1.0	1.0	10					10	<u>s</u>
HAR	CONSTRUCTION DOCUMENT SERVICES - 50%, DEBION PHASE		J					10.124.2				\$ 52,4
200	HURS SUB-TOTALS RILABLE RATE PER HOUR (LABOR BURDEN & OVERHEAD)	40.00 \$170.00	120.50 \$130.00 \$15,565.00	161.00 \$56.00 \$15,939.00	137.00 \$91.00 \$12.467.00	24.00 \$65.00	0.00 \$140.00	0.00 \$88.00 \$0.00	0.00 \$80.00 \$0.00	0 00 \$200 00 \$0 00		s 52,
895.) 80.5	SUBTOTAL ALNOWSCHILD STATE (2019) STUCKUM From Management	\$6,800.00	\$15,666.00	1. #12 A39.00	517467.00	\$1,560'00	\$0.00	5000	1.00	1		s 73
Ű	Structural Subconsultant     Landscape Subconsultant     MEP Subconsultant			1								\$ 8.5 \$ 5.0
1	Environmental & Archaeological Engineering Subconsultant											
20 P	C Gederchnail Subconsultant UBCCHSULTANT SUBTOTAL		1	Į	L	1		L	L	1	1	\$ 21. \$ 73,
	IS SUBMITAL PLAN SHEETS 1 - Exaster Cover Sheet			0.5	10					<u> </u>	15	5
	1 Finalize Cover Sheet 2 Finalize Site Survey 3 Finalize Tree Catalog		2.0	2.0	4.0						6.0 22 0	S 2
-	4. Finalize Index of Sheets 5. Finalize Project Layout/Control		20 05 05	0.5	1.0						2.0	5 5
	6. Finalize General Notes     7. Finalize Typical Sections		0.5	10	40						55 60	\$ \$
	Einalize Typical Sections, Retaining Wall Design, and Pavement Design     Finalize Bid Item Summary	40	120 20 8.0	24.0 2.0 16.0	16 0 2 0 16 0						56.0 6.0 44.0	\$ <u>5</u> \$ \$ 4
	10. Finalize Grading Plan     11. Finalize Drainage Area Map and Calculations     12. Finalize Low Water Creek Crossing Layouts	20	6.0 6.0	8.0	40					· · · · · · · · · · · · · · · · · · ·	18.0	\$ 1. \$ 2.
-	13 Finalize Traffic Control Standard Details     14 Standard Details, as required	20	1.0	2.0	20						7.0	\$
	15. SWPPP Plan (Coordination) 16. EPIC SHEET	20	0.5	4.0	10						30 60	5 5 5
	FINALIZE DESIGN SUMMARY REPORT FINALIZE UTILITY COORDINATION REPORT	20	20	20		10					7.0	\$ \$ 1.
-	1.95% COST ESTIMATE UPDATE LIST OF GOVERNING AND SPECIAL SPECIFICATIONS FINALIZE PROJECT SCHEDULE	4.0 1.0 2.0	80 40 40	80 80 40	40	4.0					22.0 17.0 14.0	\$ 2.1 \$ 1.1 \$ 1.1
-	GEOTECHNICAL REPORT (Coordination) WRITTEN RESPONSE TO 50% DOCUMENT COMMENTS	2.0	1.0	1.0	1.0	4.0					3.0	\$ \$ 2,4
	QAQC CERTIFICATION FORM PREPARE TOLR SUBMITTAL	1.0	10		1.0	1.0					3.0	\$ 5 7
-	SCHEDULE/ATTEND 95% REVIEW MEETING Subtolal Cost:	2.0	20								40	s 34,0
	96% PACKAGE SUBMITTAL Quality Control/Quality Assurance	40	40	80	1990 N. 6 (400, 200) 	[				[	16.0	\$ 1,9
-	Propers Submittal Package - Plans. Specifications and Front End Documents Submit Package to City CD With Pipe's OF DELIVERABLES	10	1.0	2.0	4.0	4.0					120 10 20	\$1. \$
ARY	CONSTRUCTION DOCUMENT SERVICES - 55% DESIGN PHASE							_				<b>š</b> 3,3
	IOURS SUB-TOTALS ILLABLE RATE PER HOUR (LABOR BURDEN & OVERHEAD)	34.00 \$170.00	80.50 \$130.00 \$10.465.00	122 50 \$99.00	90.00 \$91.00 \$8,190.00	22.00 \$85.00 \$1,430.00	0.00 \$140.00	0.00 \$88.00	0.00 \$80.00	0.00 \$200.00 \$0.00	<u></u>	
<u>, 8</u> 8	ADDITAL STATEMENT AND ADDITAL STATEMENT ADDITAL STATEMENT ADDITAL STATEMENT ADDITAL STATEMENT ADDITAL STATEMENT	\$5,780.00	\$10,465.00	\$12,127.50	\$8,190.00	\$1,430.00	\$0.00	\$0.00	\$0.00	\$0.00	ļ	\$ 37,3
	Styciumi Subconsultant Landscape Subconsultant MEP Subconsultant										<u> </u>	\$ 2. \$ 6.0 \$ 7.
	Environmental & Archaeological Engineering Subconsultant Geotechnical Subconsultant											
24	UBCONSULTANT SUBTOTAL					L.,					1	16,
	INAL SUBMITTAL RITTEN RESPONSE TO 95% DOCUMENT COMMENTS	2.0	4.0	4.0		20				<u> </u>	12.0	<b>\$</b> 1.3
- 2	INAL CONSTRUCTION DOCUMENTS Submit (1) copy of Plans for Final Review	2.0	2.0	60	8.0	6.0				1	24.0	\$ 2,3
	Revise Plans per Comments Subtotal Cost:	2 0	8.0	80	80	2.0					28.0	\$ 3.0 \$ 6,1
	NAL SUDMITTAL Submit Final Package	20	4.0	40	80	40	22.234.0234.0				22.0	<b>\$</b> 2.
1	Revise Plans per Comments	20	4.0	40	8.0	40	CANEDRAL			l	22 0	5 2. 5 4.
-	LECTRONIC SUBMITAL ubmit Plans and Specifications in PDF format Subtotal Cost:			2.0	2.0	2.0		1,0.53,8328			60	\$ \$
6.0	ERMITTING PACKAGE ubmit Permit Application and Pertinent information along with Fees		2.0	40	80	4.0	8. S. A.S.				18.0	<b>S</b> 1.
RY.	Subtotal Cost:											\$ 1,
1	OURB SUB-TOTALS ALLABLE RATE PER HOUR (LABOR BURDEN & OVERHEAD) URTOTAL	10.00 \$170.00 \$1,700.00	24.00 \$130.00 \$3,120.00	32.00 \$59.00 \$3.168.00	42.00 \$91.00 \$3.622.00	24.00 \$85.00 \$1.560.00	0.00 \$140.00 \$0.00	0.00 \$88.00 \$0.00	0.00 \$80.00 \$0.00	0.00 \$200.00 \$0.00		\$ 13.
5	Structural Subconsultant	\$1,700.00	85,12V.04	83 (00.00	\$1.022.00	51.500.00	50.00	50.00		1 50 00	000000,000 HBP	*
0101	Landscape Subconsultant MEP Subconsultant											
ाद	Environmental & Archaeological Engineering Subconsultant Gestechnical Subconsultant											
e e	UBCONSULTANT SUBTOTAL DTAL							1		L	1	115
័ព		40	40	2.0		20				ميا کېږې د کېږې کېږې استان د کېږې کېږې	12.0	<b>\$</b> 1.5
T E A	IDDING PHASE SSIST IN Iddamon Rota	N.U	2.0	10		2.0 2.0 2.0 2.0					12.0 7.0 8.0	\$ 1.5 \$ 1.5 \$ 5
	SSIST # teaming Bros on/imming Responsiveness of Bids and Proposals	20		• • • • • • • • • • • • • • • • • • •		20					4.0	5 4 5 3,7
	SRST IN	20 20 20	2.0									
	SRST N	20	40	12.0	12.0	12.0	1		<u></u>		42.0	\$ 3.9
	SRST N	20 20 20 20 20	40	4.0	12.0	80					12.0	\$ 9 \$ 6
ACCOLOR P P P R	SBST N	20 20 20	4.0	12.0 4.0 8.0	12.0	12 0 8 0 6 0					12.0 4.0 26.0	\$ 9 \$ 6 \$ 2.9
	SBST N	20 20 20 20 20 40	40 20 80	40 80 20	12.0	80 60					12.0 4.0 26.0 5.0	\$ 9 \$ 6 \$ 29 \$ 8,3
	SBST M	20 20 20 20 20 40	40	40 80	12.0	80					12.0 4.0 26.0	\$ 6 \$ 2.9
	SBST M	20 20 20 20 40 10 10 20000	40 20 80 20 20 20 20	40 80 20 40 3600	12:00	60 60 10 35.00	000	0.00	0.00		12.0 4.0 26.0 5.0	\$ 9 \$ 6 \$ 29 \$ 8,3 \$ 8,3 \$ 6 \$ 8
	SBST N. SBST	20 20 20 20 20 40 10	40 20 80 20 20 20 2600 \$130.00	40 80 20 40	5 · · · · · · · · · · · · · · · · · · ·	60 60 10	0.00	0.00 588.00 50.00	0.00 380.00 \$0.00	6.00 \$200.00 \$200.00	12.0 4.0 26.0 5.0 8.0	\$ 9 \$ 6 \$ 29 \$ 8,3 \$ 8,3 \$ 6 \$ 8
	SBST M. SBST	20 20 20 20 40 10 10 10 10 10 10 2000	40 20 80 20 20 20 2600 \$130.00	40 80 20 40 3600	12:00	80 60 10 35.00 865.00	\$140.00				12.0 4.0 26.0 5.0 8.0	\$ 5 \$ 25 \$ 83 \$ 83 \$ 6 \$ 25 \$ 83 \$ 83 \$ 83 \$ 6 \$ 25 \$ 83 \$ 83

	POSITION	Project	Project	ES - APRI	CADD Tech II	Admin	Project Surveyor	Survey Tech	Abstractor	Survey Crew 3-Person	Total Labor hrs.	Cost
	DESCRIPTION BILLABLE LABOR RATES	Manager \$170.00	Engineer \$130.00	£1T \$99.00	Tech # \$91.00	Admin \$65.00	\$140.00	Tech \$88.00	Abstractor \$80.00	\$200.00	1	L
1	CONSTRUCTION PHASE SERVICES Pre-construction Meeting Provide Administration of Construction Contract (8 Months)	4 80	4	1	<b> </b>	4 90	Ì		<u> </u>	<u> </u>	12.0 27.0	\$ 1,460.0 \$ 3,285.0
	REVIEW RFTS (1 5 RFI's PER MONTH, 9 MONTHS) Subtoal Cost	80	80	8.0		4.0		<u> </u>			28.0	\$ 4,745.0 \$ 3.452.0
4	Subtobal Cost: PROCESS AND RESPOND TO AFTS. RFTS PROCESSING (1 S RFTS PER MONTH 9 MONTHS)	2.0	80	8.0	1	1 80	1 1	I	1 I		26.0	\$ 3,452.0 \$ 2,692.0
5	Subtolal Cost COORDINATE AESTHETIC DECISIONS			1		1			l	1	l 	\$ 2,692.0
	COORDINATION (4 INSTANCES) Subtotal Cost: ADVISE AND CONSULT WITH CITY	20	80	80		<u> </u>	1		l	<u> </u>	18.0	\$ 2,172.0 \$ 2,172.0
A	CONSULTATIONS AND COMMUNICATION (2 PER MONTH, 9 MONTHS)	80	80	80		8.0	[				32.0	\$ 3,7120 \$ 3,7120
	FIA4_INSPECTIONS (NEE,317.2) WARRANTY INSPECTION Produce Punchilic of terms to be Addressed		T	T	<u></u>	SEE	VALUATION C	F WORK		1		r
3.	CONSULTANT RESPONSIBILITY (INFORMATION CALY NO TASKS)			1		]		<u> </u>		1		1
	EVALUATE SUBSTITUTIONS Review Substitution Requests (1 per month: 9 months) Make Recommendations (1 per month: 9 months)	0.3441205		1	[		NEVALUATI				<b> </b>	ļ
MAR	/ CONSTRUCTION PHASE SERVICES HOURS SUB-TOTALS BILLAGIE RATE PER HOUR (LABOR BURDEN & OVERHEAD)	33.00 \$170.00	45.00	32.00 \$69.00	0.00 \$91.00	33.00 \$65.00	0.00 \$140.00	0.00 \$88.00	0.00 \$80.00	0.00 \$200.00		
	BUITOTAL - Internet scotter boot - Structure Scotter boot - Structure Scotter boot	\$5,610.00	\$130.00 \$6.850.00	\$3,168.00	\$0.00	\$2 145.00	\$0.00	\$0.00	\$0.00	\$0.00		\$ 16,773,90 \$ 3,135,00
	b. Landscape Subconsultant											\$ 3.685.00
	d Enriconmental & Archaeologues Engineering Subconsultant e Gestechnice Subconsultant 3UBCONSULTANT SUBTOTAL TOTAL											8 8,820.00 5 23,593.00
	EVALUATION OF THE WORK											•
	Observe Initial Start Up and Necessary Performance Tests as required by Specs, if any STE VISITS AND INSPECTIONS SEE VISITS AND INSPECTIONS SEE VISITS AND INSPECTIONS SEE VISITS (3) VISITS PERFORMED FOR THE PERFORMANCE VISITS AND	36 0	360	36.0		NOT ANTIC		F				<b>s</b> 14.364.00
	Prepare Sile Visit Reports (3 per month, 9 months) Prepare Monthly Progress Report (9 months) Sublotal Cost:	8.0 4.0	24.0 12.0	80 120		80 40					48.0 32.0	\$ 5,792.00 \$ 3,688.00 \$ 23,844.00
-	ASSESS CONFORMITY TO PLANS AND SPECIFICATIONS Report Non-Conforming or Deficient Work (4 cases) Subtotal Cost:	2.0	4.0	40		1.0					11.0	\$ 1,321.00 \$ 1,321.00
	SUBMITALS Review and Respond to Submittals (Approx 9 Submittals) Subtotal Cost:	5.0	9.0	9.0							23.0	\$ 2,911.00 \$ 2,911.00
	INSPECTION, TESTING AND RECURED APPROVALS Review and Process Certificates of Inspection Review and Process Testing Results	2.0	40	40 80							10.0	\$ 1.256.00 \$ 1.222.00
_	Review and Process Any Additional Required Approvals Subtotal Cost:	1.0	4.0	8.0				12710000000	100000172		13.0	\$ 1,482.00 \$ 3,960.00
	SUBSTANTAL COMPLETION AND FINAL INSPECTION Participate in Substantial Completion Inspection Prepare Substantial Completion Purchist		1222202-5	<u>, traise is</u>	<u></u>	<u> </u>	Korra	10.0000	<u>oninise.</u>	1		
	Final Inspection Subtotal Cost:				INCLU	DED IN PROJE		×				s .
7	GHANGE ORDER REQUESTS BY CITY. Develog Change Orders (5 Change Orders) Summ to Cartinector for Acceptance (6 Change Orders)	10	60 30	60 3.0	60						19.0 6.0	\$ 2,090.00 \$ 687.00
	Submit to City for Approval (6 Change Ordens) Submit to City for Approval (6 Change Ordens) Subtotal Cost: Subtotal Cost:		30	30	-						60	\$ 687 DC \$ 3,464.00
	Assess Work for Acceptance (3 Instances) Provide City Opinion of Acceptance or Rejection of Non-Conforming Work (3 Instances) Ruterial Cost	40	40 40	40	4.0						12 0 12 0	\$ 1,596.00 \$ 1,280.00 \$ 2,876.00
\$185	- EVALUATION OF THE WORK COURS SUS-TOTALS BLIABLE RETE PER HOUR (LABOR BURDEN & OVERHEAD)	64.00 \$170.00	115.00 \$130.00	109.00 \$99.00	10.00 \$91.00	13.00 \$85.00	0.00	0.00	0.00	0.00 \$200.00		
	SUETOTAL Suite suite suite de la suite suite Suite suite suit	\$10,860,00	\$14,950.00	\$10,791.00	\$910.00	\$845.90	\$0.00	\$0.00	\$0.02	\$0.00		\$ 28,376.00
200	Landscape Subconsultant     MEP Subconsultant     Emronmenta & Archaeological Engineering Subconsultant											
	s Geolechnical Subconsultant BUBCONSULTANT SUBTOTAL OTAL											1 . 34.376.00
	APPLCATOR FOR PAYMENT BY CONSTRUCTION CONTRACTOR SCHEDULE OF VALUES Nerwer and Comment on Contractor Schedule of Values (9 Submitble)				AI.	CLUDED IN CO	NSTRUCTION	PHASE SERV	CES		0.0	\$
-	AYMEDIT SUBMITIVAL TO CITY PORTAL Monitor Fortal and Retrieve Applications (Weekly, 9 months) PP/LICATIONS OF PAYMENT										00	s
	Review Monthly Applications of Payment (9 Applications)										0.0	s -
-	Trocets Application as Approved or Rejected (0 Applications)     Troode Reasons for Rejections (2 Interclone Statisticated)     PPSOVAL OF APPLICATION     Inter Card Application Approval (9 Applications)						 				0.0	5
	Provide Remaining Balances, Retained Balances, and Sum to be Paid (9 Applications) EJECTION OF APPLICATION										00	\$
	ketly Cury of Rejected Applications Based on Criteria Outlined in 3 16.6.1 Thru 3 16.6.7 of Professional ienvices Agreement (3 Rejections Assumed) (ROCESS DF APPLICATION RESUMITITAL)										0.0	s .
IARY	Senser Resubmittal of Repicted Applications (3 Resubmittals Assumed).  Yocess Application As Applicable  APPLICATION FOR PARKENT BY CONSTRUCTION CONTRACTOR						c Meril California	ST: 227,224-24.).			00	<u>s</u> <u>s</u>
200	IQURA SUB-TOTALE BLLABLE RATE PER HOUR (LABOR BURDEN & OVERHEAD) UBTOTAL UBTOTAL	0.0 \$170.00 50.00	0.0 \$130.00 \$0.00	0.0 \$99.00 \$0.00	0.0 \$91.00 \$0.00	0.0 \$65.00 \$0.00	0.0 \$140.00 \$0.00	0.9 \$88.00 \$0.00	00 \$60.00 \$60.00	0 0 \$200.00 \$0.00		1 .
	Nitorala-And Enternation Structural Subconsultant Landscape Subconsultant										_	
	MEP Subconsulant Errormental Antheological Engineering Subconsultant											
	OTAL UBSTANTIAL PROJECT COMPLETION										1	1 :
	AskS [CONSULTANT AND CITY] rspert Project and Seria Date for Substantial Completion. Toduce and issue Certificate of Substantial Completion.	8.0	<u>8.0</u> 1.0	<u>8.0</u> 2.0	10	2.0					240 70	\$ 3.192.00 \$ 719.00
- #	Request Written Warranties and Related Documents from Contractor Revew Documents and Submit to City Subtotal Cost:	2.0	10	10		2.0					2 0 12 0	\$ 229.00 \$ 1,386.00 \$ 5,526.00
	INAL INSPECTION Tobles Final Completion Request from Contractor At Date for Final Inspections	05	05	10 Q5		2.5	10.00	Connet Barthood			20	\$ 249.00 \$ 199.50
	bridud: Final Inspection with City and Contractor roduce Punchist of Items That May Need to be Addressed dirfy Punchist Tems were Addressed	8.0 2.0 2.0	8.0 4.0 4.0	8.0 2.0 2.0	2.0	20					26.0 10.0 8.0	\$ 3,374.00 \$ 1,188.00 \$ 1,058.00
	lever Gose-Out of Documents ECOMMENDATION OF PAYMENT.	1.0	10	20							40	\$ 498.00 \$ 6,566.50
. 16	Avointersuch Lond of Protineen	2.0	20 60	20 12.0							6.0 20.0	\$ 796.00 \$ 2,306.00 \$ 3,106.00
F	EVIEW OF WARRANTIES, MANUALS, ETC eview Pertinant Warranties, Bonds, Manuals, Etc.					NOT ANTICI	ATED					\$ 3,106.00
- 1	Itend Operator Training of Systems and Equipment, As Applicable INME INFORMATION SUBMITTAL overor Consent of Surety, Release Retainage, Alfidavits, Releases and Waivers of Liens or Bonds.		S. 4. 1. 198 S.				10.200.01	20.0200	I			
ARY	BUBSTANTIAL PROJECT COMPLETION					NOT ANTICI	210 - 20 <b>0</b> - 40 -	Cherry and	l.			
6	OURS SUB-TOTALS ALABLE RATE PER HOUR (LABOR BURDEN & OVERHEAD) DISTOTAL	29.00 \$170.00 \$4,930.00	40.00 \$130.00 \$5,200.00	44 50 \$99.00 \$4.405.50	3.00 \$91.00 \$273.00	6 00 \$85 00 \$390.00	0.00 \$140.00 \$0.00	0.00 \$49.00 \$0.00	0.00 \$80.00 \$0.00	0.00 \$200.00 \$0.00		\$ 15,198.50
	st donsa dan Husto Kalkata Structural Subconsultant										_	
ŀ	Landscape Subconsultant MEP Subconsultant											

		POSITION DESCRIPTION	Project Manager	Project Engineer \$130.00	Designer EIT	CADD Tech II \$91.00	Admin \$65.00	Project Surveyor \$140.00	Survey Tech \$88.00	Abstractor \$80.00	Survey Crew 3-Person \$200.00	Total Labor hrs.	Cost
		BILLABLE LABOR RATES	\$170.00	\$130.00	\$99.00	\$91.00	\$65.00	\$140.00	1 \$88.00	1 \$80.00	\$200.00		
		b. Landscape Subconsultant						<u> </u>					
The set of		d. Environmental and Cultural Resources Services (See Attached Proposal dated January 15, 2016)											\$ 58. \$ 6.
		SUBCONSULTANT SUBTOTAL											\$65
	_	BH & ADDITIONAL SERVICES			al a constant								
		<ol> <li>Gather existing studies for Salado Creek Crossings, topography, and meet with</li> </ol>			F		[	I	<u> </u>				
		<ol> <li>Review SARA hydrologic computations for existing and ultimate conditions</li> </ol>		40	8.0							14.0	<u>\$ 1.</u> <u>\$ 1.</u> <u>\$ 1.</u>
Process of a state of a strate	_	Review SARA hydraulic computations for existing and utilimate conditions     Review SARA hydraulics to include trail crossings     Review Charles Carl Sara Alonio with initial files of bidraters and bidraulic models		80	8.0	20	2.0					18.0	<u>\$ 2</u> <u>\$ 1</u>
	- 1	<ol><li>Prepare a map with existing and ultimate floodplain based on existing site topographicy and</li></ol>	20										\$ 2,
Nome of a long at out of his long at a long at long at a long a	_	7. Provide items required to satisfy City of San Antonio regulatory requirements		40	80		2.0					14.5	<u>s 1</u> , s 1,
Number of Company Support of an owner of a possible possible of a possible of a possible of a possible of		9. Revise reports per comments and resubmit		2.0	80	40	2.0					16 0	s 1. s 14,
Description         Particle	L.	STORMWATER MANAGEMENT REPORT	2.0	2.0	20	1		F	I		[	6.0	\$
1         1.3         1.3         1.3         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5         1.5		2 Determine & verify hydrology for the site and for downstream of the site based on existing conditions and developed conditions		40	8.0	4.0							\$ 2.0
B. Auto 2         B. Auto 2 <t< td=""><td></td><td>4. Prepare report and calculate appropriate fees if required</td><td>1.D</td><td>40</td><td>8.0</td><td>40</td><td>4.0</td><td></td><td></td><td></td><td></td><td>21.0</td><td>\$ 1.3 \$ 2.</td></t<>		4. Prepare report and calculate appropriate fees if required	1.D	40	8.0	40	4.0					21.0	\$ 1.3 \$ 2.
Date:         Lange (b)         Lange (b) <thlange (b)<="" th=""> <thlange (b)<="" th=""> <thlange< td=""><td></td><td>6. Submit report to the City of San Antonio</td><td></td><td>0.5</td><td>4.0</td><td>2.0</td><td>2.0</td><td></td><td></td><td></td><td></td><td>8.5</td><td>s s s</td></thlange<></thlange></thlange>		6. Submit report to the City of San Antonio		0.5	4.0	2.0	2.0					8.5	s s s
		Subtotal Cost:		0.5	4.0	20	20		ļ			0.5	\$ 7.
OPAL and an analysis of the set		HOURS SUB-TOTALS	\$170.00			\$91.00	\$65.00	\$140.00	\$88.00	\$80.00	\$200.00		
		TOTAL WATER POLILUTION ABATEMENT PLAN (WPAP) & STORIAWATER POLILUTION PREVENTION PLAN	\$2,295.00				\$910.00						\$ 22,
Linearies         Linearies <thlinearies< th="">         Linearies         <thlinearies< th="">         Linearies         <thline< th="">         Linearies         Linear</thline<></thlinearies<></thlinearies<>				1		0797 - 1999 - 1999 1			r				
Encode Antibalization of Example of an interval inte	2	b Landscape Subconsultant											\$ 40.0
Normal part of the formal pa		d. Environmental & Archaeological Engineering Subconsultant e. Geotechnical Subconsultant										•••	
Observation         Operating State in North Case         Operating State in N	19.1	SUBCONSULTANT SUBTOTAL		1						<u> </u>			<b>s</b> 40
Observation         Operating State in North Case         Operating State in N	90) 14	nying Barvices Rođera Ranich		1				1	1	1			2
Description         Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	_	WORK PATION	1.5	100.000				1 80	100-925	24.0		32.0	\$ 3,0
b) b) between the set of the integration         iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii		Subtotal Cost		t			!		l				
Biology         Baord Core         Image: Core of the set		Establish Primary Control - Horizontal     Establish Primary Control - Vertical (Level Loops)						40	20.0		24.0 32.0	56.0	\$ 8.
Interspectation       Description       Description <thdescription< t<="" td=""><td></td><td>Subtotal Cost.</td><td></td><td>l</td><td>L</td><td></td><td></td><td>4.0</td><td>18.0</td><td></td><td>24.0</td><td>46.0</td><td>s 6 s 22,</td></thdescription<>		Subtotal Cost.		l	L			4.0	18.0		24.0	46.0	s 6 s 22,
FELD BARY         Control         Contro         Contro <thcontrol< th=""> <th< td=""><td></td><td>1) Utilities, Right-of-Way, Ownership (Public and Private)</td><td></td><td></td><td></td><td></td><td></td><td>8.0</td><td>20.0</td><td>40.0</td><td></td><td></td><td>5 6.0 5 6,0</td></th<></thcontrol<>		1) Utilities, Right-of-Way, Ownership (Public and Private)						8.0	20.0	40.0			5 6.0 5 6,0
0) Startingeneration       0.0       240       200       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100       100	-	FIELD SURVEY 1) On-the-ground Traverse		 I	l			4.0	12.0		40.0		\$ 9.6
DADA MAYES         Description         Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>		Set Preliminary Alignment - Topo, Tree, Utility     Set Preliminary Alignment - Boundary and Improvements			PATE 1. NAMES IN A							128 0	\$ 22,6 \$ 7,5
2) A.M. Linkel Locators for if at the A model bases         400         50         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         40		CADD AND ANALYSIS			l				1				\$ 39,
2) A.M. Linker, Locations form first the A face's backets         400         500         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400         400		1) From Control ties set boundaries showing road right-of-ways, and Adjoiner Boundaries				80.0		12.0				92.0	S 8,1
9) Clease Control Find State Under Space		Add Utilities Locations from field ties & record locations     Add topographic features, trees, fences, etc.				80.0		8.0				88.0	\$ 8.4
CULUITY ASSURANCE - COULTY CONTROL         400         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         <		<ol> <li>Create Control Point Sheet with description, northing, easting &amp; elevations</li> </ol>		·									\$ 40 \$ 20
2)         Report is comments         Subcest Cold         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100 </td <td>_</td> <td>CUALITY ASSURANCE - QUALITY CONTROL</td> <td></td> <td>I</td> <td>l</td> <td>240</td> <td></td> <td>15.0</td> <td></td> <td>1 1</td> <td></td> <td>40.0</td> <td>s 28.5 5 4.4</td>	_	CUALITY ASSURANCE - QUALITY CONTROL		I	l	240		15.0		1 1		40.0	s 28.5 5 4.4
CARY: SUMPEYING SERVICES         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0         0 <td></td> <td>2) Respond to comments</td> <td></td> <td></td> <td></td> <td>20.0</td> <td></td> <td>16.0</td> <td></td> <td></td> <td></td> <td></td> <td>\$ 40</td>		2) Respond to comments				20.0		16.0					\$ 40
HOURS BURDER ALONG BURDER & OVERHEAD)         00         00         00         00         00         00         00         00         724.0         130.0         84.0         244.0           BULABLE PART PERINDER LADOR BURDER & OVERHEAD)         \$00.0         \$10.00         \$00.0         \$10.00         \$00.0         \$10.00         \$00.0         \$10.00         \$00.0         \$10.00         \$00.0         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00         \$10.00 </td <td>AR</td> <td>BME Surveying Services Cost - PHASE 1:</td> <td></td> <td></td> <td></td> <td>د موند وزر ا م</td> <td>4383y Mars</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$ 108,5</td>	AR	BME Surveying Services Cost - PHASE 1:				د موند وزر ا م	4383y Mars						\$ 108,5
TOTAL         S0.00         S0.00         S25.844.00         S0.00         S1.73.00         S1.73		NOURS SUB-TOTALS BILLABLE RATE PER HOUR (LABOR BURDEN & OVERHEAD)	\$170.00	\$130.00	\$99.00	\$91.00	\$65.00	\$140.00	\$88.00	\$80.00	\$200.00		
Bit LDB EATE PART POR (ALBOR BURGER 4.0 vERHEAD)         \$ 170.00 \$ 100.00 \$ 300.00 \$ 900.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 400.00 \$ 40	AR	TOTAL	\$0.00	\$0.00	\$0.00	\$25,844.00	\$0.00	\$17.360.00	\$11,440.00	\$5,120.00	\$48,800.00		\$108
SUBCONSULTAT PARTICIPATION		BILLABLE RATE PER HOUR (LABOR BURDEN & OVERHEAD)	\$ 170.00	\$ 130.00	\$ 99.00	759.00 \$ 91.00	255 00 \$ 65 00	\$ 140.00	\$ 88.00	S 80 00 1	244 00 \$ 200 00		\$ 438,5
Lundrage Subornulard Lundrage Subornulard Lundrage Subornulard MCP Subornulard Convented & Andreasogue Engineering Subornulard Convented & Andreasogue		SUBCONSULTANT PARTICIPATION	\$/4,545.00	\$100,880.00	\$89,050.50	\$69,068.00	\$16,575.00	\$22,960.00	\$11,440.00	\$5,200.00	\$48,800.00		\$ <u>438,:</u> \$13.
Environmental & Ardraesopue Engineering Successulant Georechnical Successulant Wallscores, Unit Prantice Provide Successulant Wallscores, Unit Prantice Provide Successulant Wallscore, Unit Prantice Provide Successulant Biology Provide Successulant Prantice Provide Successulant Prantice Provide Successulant Biology Provide Successulan	_	andscape Subconsultant											\$16, \$12,
Autor Col. Survey a particular and a second a secon	-	Environmental & Archaeological Engineering Subconsultant											\$58, \$6, \$ 157,8
Grand Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       Grand Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       DeLast Mark Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       DeLast Mark Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       Delast Mark Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       Delast Mark Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       Delast Mark Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       Delast Mark Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       Delast Mark Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       Delast Mark Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       Delast Mark Tical     Image: Stand Tical     Image: Stand Tical     Image: Stand Tical       Octor Mark Tical Tical Tical     Image: Stand Tical Tica	- B	SUBTOTAL SUBCONSULTANT PARTICIPATION											\$ 596.3
B AuX/S LiteRetT         Decisitive X support and verify existing horizontil & vertical porter ports         1       Cover and verify existing horizontil & vertical porter ports         2       4         3       Reserve from the and segments         4       6         4       6         4       6         5       Set von note at sessempti corrers (at entry and exp pass very (soc still 20 nonuments))         4       6         6       2         6       1000         5       Set von note at sessempti corrers (at entry and exp pass very (soc still 20 nonuments))         6       0         6       0         6       0         6       0         7       Reserver from the setting borders (at entry and exp pass very (soc still 20 nonuments))         8       4         9       Reserver from the setting borders (at entry and exp pass very (soc still 20 nonuments))         9       Reserver from the setting borders (at entry and exp pass very (soc still 20 nonuments))         1       8         1       8 <td>-</td> <td>RIN TING AND MISCELLANEOUS Srand Total</td> <td></td> <td>\$ 10, \$ 606,1</td>	-	RIN TING AND MISCELLANEOUS Srand Total											\$ 10, \$ 606,1
Standard Literation       1       2       2       50       5         Description       2       4       4       00       5         2       4       4       4       00       5         3       Record registry contrasts to statist to cottor of project lives.       2       4       4       00       5         3       Record registry contrasts to statist to cottor of project lives.       2       4       4       00       5         4       7       7       2       4       4       00       5         3       Record registry contrasts to statist to cottor of project lives.       4       6       100       5         4       7       7       7       4       4       100       5         5       Set ron role at essential to cottor of a role of a													
In Recover and verify existing homoral is vertical opting points     1     2     2     5.0       2     Rescar homoral points     2     .4     .4     .4     .00     5.       3     Recover sufficient bounded scropting (up to g) assements     2     .4     .4     .4     .00     5.       3     Recover sufficient bounded scropting (up to g) assements     .2     .4     .4     .4     .00     5.       4     register assement corres (s) (s) on section of project (up to g) assements     .4     .6     .4     .00     5.       5     Set into under sign (up to g) assements     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     .4     <		ANCH EASEMENTS								-			
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Subtotal Cost §	÷	Prepare easement plat & metes and bounds description ( up to 4 easements)     Set iron rods at easement comers( at entry and exit plus every 400', est. 80 monuments)				4		8	4		8	12.0	s 1,4 s 2,2
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GRAND TOTAL

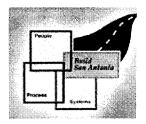
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### EXHIBIT 3

### **SCOPE OF SERVICES**

(Shall include the role and responsibilities of Consultant, as detailed in City's General Conditions attached hereto)

Page 29 of 31



May 13, 2014

# City of San Antonio

Capital Improvement Management Services

### THE HOWARD W. PEAK GREENWAY TRAILS SYSTEM

### SCOPE OF WORK NARRATIVE

PROJECT SCOPE

DETA	LED DESIGN PHASE SERVICES
1) ENG	SINEERING SERVICES
	PROJECT INITIATION (3.1 THRU 3.8)
3.1	REVIEW AND BRIEFING OF SCOPE
Α.	Attend Scope Development & Project Initiation Meeting
В.	Revise Scope, as needed
3.2	TDLR REVIEW AND COMPLIANCE
A.	Prepare TDLR Forms and Request TDLR Review Fee from Owner
	(TDLR FEES: \$825.00 for REVIEW, plus \$650.00 for INSPECTION = \$1,475.00)
B.	Submit Project Documents for TDLR Review
C.	Revise Plans per Comments, as necessary
D.	Request TDLR Inspection
E.	Attend TDLR Inspection
F.	Provide Contractor Punchlist of Items to be Addressed, if necessary
3.3	CONSULTANT RESPONSIBILITY
Α.	Review Project Jurisdictions and Expected Reviewing Agencies
B.	Contact and Gather Points of Contacts and Submittal Requirements
3.4	CONSULTANT, CONTRACTOR, AND CITY COORDINATION
Α.	Consultant Authority Modification, Processing, and Team Notification
3.5	SITE VISITS / MEETINGS
Α.	Project Initiation (1 Site Walk-thru with Design Team)
_	Schematic (3 Site Visits, 1 Site Meeting with City,1 Coordination Meeting with Property
B	Owner) Construction Documents - 50%, 95% and 100% Submittals (3 Site Visits and 1 Owner
C.	Construction Documents - 50%, 95% and 100% Submittals (3 Site Visits and 1 Owner Coordination Site Meeting)
D.	Construction Phase (See Construction Phase Services Section)
E.	Subconsultant Participation
	a. Structural Subconsultant
	1. Trail Walk Thru
	<ol> <li>Progress Meetings - Kick-Off, 50%, 95% Design Review Meetings, (1 per Phase) Construction Phase (1)</li> </ol>

	b. Landscape Subconsultant
	<ol> <li>Progress Meetings - Review of Site Analysis Findings, 50% 95% and 100% Design Review Meetings</li> </ol>
	c. MEP Subconsultant
	1. Construction Documents - 50% 95% and Final Design Review Meetings (1 per Phase)
	d. Environmental Engineering Subconsultant
	1. Construction Documents - 50% 95% and Final Design Review Meetings (1 per Phase)
3.6	CONSTRUCTABILITY REVIEW (INCLUDED IN DESIGN)
3.7	CITY SERVICES AND COORDINATION
Α.	Request Information from pertinent City Departments (such as Traffic, Drainage, and/or Public Works)
В.	Coordinate with such City Departments
3.8	VERIFY DESIGN CRITERIA; PROJECT MEETINGS; PRESENTATIONS TO OFFICIALS; PUBLIC HEARINGS; STAKEHOLDER MEETINGS
Α.	Verify Applicable Design Criteria
B.	Project Team Meetings (1 per submittal, 4 submittals)
C.	Subconsultant Participation
	a. Environmental Engineering Subconsultant
	1. Project Development Team Meeting
D.	Public Hearings (3 Hearings)
E.	Presentations to City Officials (2 Presentations)
3.9	SCHEMATIC DESIGN PHASE SERVICES
3.9.1	PRELIMINARY EVALUATION OF CITY'S PROJECT PLAN
A.	Evaluate City's Program
<u>.</u> В.	Evaluate City's Schedule
<u> </u>	Evaluate City's Budget
<u>D.</u>	Evaluate City's Project Site
E.	Evaluate City's Delivery Method and other Initial Information
 F.	Provide Comments based on Evaluation
3.9.2	PRELIMINARY EVALUATION SUBMITTAL (INCLUDING DESIGN SUMMARY REPORT)
<u> </u>	Present Preliminary Evaluation
<u></u> В.	Present Design Approaches
3.9.3	VALUE DESIGN / ENGINEERING
A.	Research Alternative Value Engineering and Materials
3.9.4	PRELIMINARY DESIGN PRESENTATION
A.	Prepare Presentation Exhibits
<u> </u>	Present to City
D. C.	Subconsultant Participation
	a. Landscape Subconsultant
3.9.5	SCHEMATIC DESIGN DOCUMENTS
A.	Cover Sheet
B.	Prepare Preliminary Site Layout with Proposed Trail Alignments including alternatives
<u> </u>	Prepare Preliminary Trail Head and Parking Layouts
 D.	Prepare Preliminary Typical Sections at Pertinent Locations
<u> </u>	Prepare Preliminary Drainage Area Maps (Existing Conditions)
<u>E.</u> F.	
	Prepare Preliminary Leon/Salado Creek Crossing Layouts
G.	Prepare Preliminary Utility Plan

	Subconcultant Participation
H.	Subconsultant Participation a. Landscape Subconsultant
	1. Prepare Schematic Design Plan, to include temporary irrigation and hose bib at trail
	heads, and finish of retaining wall; Preliminary Cost Estimate
3.9.6	HISTORICAL DESIGN REVIEW COMMISSION (HDRC)
3.9.7	ESTIMATED COST OF WORK
Α.	Prepare Preliminary Cost Estimate
В.	Subconsultant Participation
	a. Structural Subconsultant
	1. Prepare Preliminary Cost Estimate
3.9.8	SCHEMATIC DESIGN PACKAGE SUBMITTAL
Α.	Quality Control/Quality Assurance
Β.	Prepare Submittal Package
C.	Submit Package to City
3.10.3	PREPARE BIDDING DOCUMENTS (PERFORMED DURING FINAL SUBMITTAL)
Α.	Bidding and Procurement Information
В.	Form of Agreement between City and Contractor
C.	Conditions of the Construction Contract and General, Supplementary, and other Conditions
D.	Prepare a Project Manual
3.11	CONSTRUCTION DOCUMENT PHASE SERVICES
Α.	Request and Attend a Schematic Design Comment Review Meeting
B.	Subconsultant Participation
	a. Structural Subconsultant
	b. Landscape Subconsultant
3.11.1	PREPARE CONSTRUCTION DOCUMENTS FOR CITY APPROVAL
3.11.2	FURTHER DEVELOPMENT PLAN
3.11.3	OTHER GOVERNMENTAL AGENCIES
Α.	San Antonio Water Systems (SAWS)
	a. Submit Plans and Specifications for Review (1 Submittal)
	b. Revise Plans per Comments and Resubmit
В.	CPS Energy
	a. Submit Plans and Specifications for Review (1 Submittal)
	b. Revise Plans per Comments and Resubmit
C.	TxDOT
	a. Submit Plans and Specifications for Review (1 Submittal)
	b. Revise Plans per Comments and Resubmit
D.	Mall Property
	a. Meet with Mall Representative
	b. Submit Plans and Specifications for Review (1 Submittal)
	c. Revise Plans per Comments and Resubmit
E.	TCEQ
	a. Meet with TCEQ
	b. Submit Plans and Specifications for Review (1 Submittal)
	c. Revise Plans per Comments and Resubmit
F	HOA's (2 HOA's estimated)
	a. Meet with HOA Representative

b. Submit Plans and Specifications for Review (1 Submittal)
c. Revise Plans per Comments and Resubmit
Subtotal Cost:
CONSTRUCTION DRAWINGS SUBMITTALS
50% SUBMITTAL
a. PLAN SHEETS
1. Cover Sheet
2. Site Survey
3. Tree Catalog
4. Index of Sheets
5. Project Layout/Control
6. General Notes
7. Preliminary/Typical Sections
8. Proposed Typical Sections and Pavement Design
9. Bid Item Summary
10. Preliminary Grading Plan
11. Drainage Area Map and Calculations
12. Low Water Creek Crossing Layouts
13. Traffic Control Standard Details
14. SWPPP Plan (Coordination)
a. Subconsultant Participation
1. SW3P Plan
15. Provide cross-sections every 50-feet along Trail
16. Structural Plans
a. Subconsultant Participation
1. Coordination with Geotech
<ol><li>Foundation for Portable Toilet &amp; Water Fountain, Foundation for Monument &amp; Light Poles, Retaining Wall Layouts and Details</li></ol>
17. Landscape Plans
a. Subconsultant Participation
1. Site Plan Details to include signage, Landscape Plans and Details, Canopy &
Heritage Tree Protection Plans and Details, and Finish of Retaining Wall
18. Electrical Plans
a. Subconsultant Participation
1. Electrical Design to include power and site lighting
b. PREPARE DESIGN SUMMARY REPORT
c. UTILITY COORDINATION REPORT
d. 50% COST ESTIMATE
a. Subconsultant Participation
1. Structural Subconsultant
a. Update Cost Estimate
e. LIST OF GOVERNING AND SPECIAL SPECIFICATIONS
a. Subconsultant Participation
1. Structural Subconsultant
a. List of Governing Specifications
2. Landscape Subconsultant

	a. List of Specifications
	f. PROJECT SCHEDULE
	g. GEOTECHNICAL REPORT (Coordination)
	h. WRITTEN RESPONSE TO SCHEMATIC DESIGN DOCUMENT COMMENTS
	a. Subconsultant Participation
	1. Structural Subconsultant
	i. QA/QC CERTIFICATION FORM
	j. SCHEDULE/ATTEND PUBLIC MEETING
	k. SCHEDULE/ATTEND 50% REVIEW MEETING
	a. Subconsultant Participation
	1. Structural Subconsultant
	I. 50% PACKAGE SUBMITTAL
	a. Quality Control/Quality Assurance
	b. Prepare Submittal Package
	a. Subconsultant Participation
	1. Structural Subconsultant
	c. Submit Package to City
	1. CD WITH PDF'S OF DELIVERABLES
В.	95% SUBMITTAL
	a. PLAN SHEETS
	1. Finalize Cover Sheet
	2. Finalize Site Survey
	3. Finalize Tree Catalog
	4. Finalize Index of Sheets
	5. Finalize Project Layout/Control
	6. Finalize General Notes
	7. Finalize Typical Sections
	8. Finalize Typical Sections and Pavement Design
	9. Finalize Bid Item Summary
	10. Finalize Grading Plan
	11. Finalize Drainage Area Map and Calculations
	12. Finalize Low Water Creek Crossing Layouts
	13. Finalize Traffic Control Standard Details
	14. Standard Details, as required
	15. SWPPP Plan (Coordination)
	a. Subconsultant Participation
	1. SW3P Plan
	16. Finalize cross-sections every 50-feet along Trail
	17. Structural Plans
	a. Subconsultant Participation
	<ol> <li>Foundation for Portable Toilet &amp; Water Fountain, Foundation for Monument &amp; Light Poles, Retaining Wall Layouts and Details; List of Specifications</li> </ol>
	18. Landscape Plans
	a. Subconsultant Participation
	<ol> <li>Site Layout &amp; Grading Plans, Site Plans &amp; Details to include signage, Landscape Plans &amp; Details, Canopy &amp; Heritage Tree Protection Plans &amp; Details,</li> </ol>
	Temporary Irrigation and Hose Bib at Trail Heads, and Finish of Retaining Wall

	19. Electrical Plans
	a. Subconsultant Participation
	1. Electrical Design to include power and site lighting
	20. EPIC SHEET
	b. FINALIZE DESIGN SUMMARY REPORT
	c. FINALIZE UTILITY COORDINATION REPORT
	d. 95% COST ESTIMATE
·····	a. Subconsultant Participation
	1. Structural Subconsultant
	a. Update Cost Estimate
	e. UPDATE LIST OF GOVERNING AND SPECIAL SPECIFICATIONS
	a. Subconsultant Participation
	1. Structural Subconsultant
	a. Update List of Governing Specifications
	2. Landscape Subconsultant
	a. Update List of Specifications
	f. FINALIZE PROJECT SCHEDULE
	g. GEOTECHNICAL REPORT (Coordination)
	h. WRITTEN RESPONSE TO 50% DOCUMENT COMMENTS
	a. Subconsultant Participation
	1. Structural Subconsultant
	i. QA/QC CERTIFICATION FORM
	j. PREPARE TDLR SUBMITTAL
	k. SCHEDULE/ATTEND 95% REVIEW MEETING
	a. Subconsultant Participation
	1. Structural Subconsultant
	I. 95% PACKAGE SUBMITTAL
	a. Quality Control/Quality Assurance
	b. Prepare Submittal Package - Plans, Specifications and Front End Documents
	a. Subconsultant Participation
	1. Structural Subconsultant
	m. Submit Package to City
	1. CD WITH PDF'S OF DELIVERABLES
3.11.6	FINAL SUBMITTAL
<u>A.</u>	WRITTEN RESPONSE TO 95% DOCUMENT COMMENTS
	a. Subconsultant Participation
	1. Structural Subconsultant
<u> </u>	FINAL CONSTRUCTION DOCUMENTS
	a. Submit (1) copy of Plans for Final Review
	b. Revise Plans per Comments
	a. Subconsultant Participation
	1. Landscape Subconsultant
C	FINAL SUBMITTAL
	a. Submit Final Package
	b. Revise Plans per Comments
3.11.6.2	ELECTRONIC SUBMITTAL

А.	Submit Plans and Specifications in PDF format	
3.11.6.3	PERMITTING PACKAGE	
Α.	Submit Permit Application and Pertinent Information along with Fees	
3.12	BIDDING PHASE	
3.12.1	ASSIST IN:	
A.	Obtaining Bids	
В.	Confirming Responsiveness of Bids and Proposals	
<b>C</b> .	Determining Successful Bid	
D.	Preparing Construction Contract	
3.12.2	BIDDING ASSISTANCE	
Α.	Prepare Bid Packages	
В.	Distribute Bid Packages and Maintain Distribution List	
<b>C</b> .	Participate in Pre-Bid Conference	
	a. Subconsultant Participation	
	1. Landscape Subconsultant	
	a. Assist in Pre-Bidding meeting	
D.	Respond to Questions and Provide Clarification by Addenda	
3.12.3	EVALUATE PRODUCT AND MATERIAL SUBSTITUTIONS	
Α.	Consider and Evaluate Substitution, if any	
В.	Prepare Addenda for Substitutions	
	a. Subconsultant Participation	
	1. Structural Subconsultant	
	<ul> <li>Assist in preparing addendum/clarification documents as required to update contract documents</li> </ul>	
	2. Landscape Subconsultant	
	<ul> <li>Assist in preparing addendum documents as required to update contract documents</li> </ul>	
3.14	CONSTRUCTION PHASE SERVICES	
3.14.1	Pre-construction Meeting	
	a. Subconsultant Participation	
	1. Landscape Subconsultant	
3.14.2	PROVIDE ADMINISTRATION OF CONSTRUCTION CONTRACT (12 MONTHS)	
3.14.3	REVIEW RFI'S (1.5 RFI'S PER MONTH, 12 MONTHS)	
	a. Subconsultant Participation	
	<ol> <li>Structural Subconsultant - RFIs (2); Review Shop Drawings (2); Prepare Field Alterations (1)</li> </ol>	
	2. Landscape Subconsultant	
	3. MEP Subconsultant	
3.14.4	PROCESS AND RESPOND TO RFI'S	
<b>A</b> .	RFI'S PROCESSING (1.5 RFI'S PER MONTH, 12 MONTH)	
3.14.5	COORDINATE AESTHETIC DECISIONS	
Α.	COORDINATION (4 INSTANCES)	
3.14.6	ADVISE AND CONSULT WITH CITY	
<u> </u>	CONSULTATIONS AND COMMUNICATION (2 PER MONTH, 12 MONTHS)	
3.14.7	FINAL INSPECTIONS (SEE 3.17.2)	
3.14.8	WARRANTY INSPECTION	
A	Produce Punchlist of Items to be Addressed	

B.	Verify Punchlist of Items to be Addressed	
3.14.9	CONSULTANT RESPONSIBILITY (INFORMATION ONLY NO TASKS)	
3.14.10	EVALUATE SUBSTITUTIONS	
Α.	Review Substitution Requests (1 per month, 12 months)	
B.	Make Recommendations (1 per month, 12 months)	
3.15		
3.15.1	INITIAL START UP	
	Observe Initial Start Up and Necessary Performance Tests as required by Specs, if	
A.	any	
3.15.2	SITE VISITS AND INSPECTIONS	
<u>A</u> .	Site Visits (3visits per month, 12 months)	
	a. Subconsultant Participation	
	1. Structural Subconsultant	
	a. Customary site visits (1/Month = 6 visits)	
	2. Landscape Subconsultant	
	a. General site visits as needed to observe progress & adherence	
	3. MEP Subconsultant	
	a. General site visits (3) to observe progress & adherence	
В.	Prepare Site Visit Reports (3 per month, 12 months)	
<u> </u>	Prepare Monthly Progress Report (12 months)	
	a. Subconsultant Participation	
	1. Structural Subconsultant	
	a. Monthly Reports of site visits (6)	
3.15.3	ASSESS CONFORMITY TO PLANS AND SPECIFICATIONS	
A.	Report Non-Conforming or Deficient Work (4 cases)	
3.15.4	SUBMITTALS	
A.	Review and Respond to Submittals (Approx 9 Submittals)	
	a. Subconsultant Participation	
	1. MEP Subconsultant	
3.15.5	INSPECTION, TESTING, AND REQUIRED APPROVALS	
A.	Review and Process Certificates of Inspection	
B.	Review and Process Testing Results	
C.	Review and Process Any Additional Required Approvals	
3.15.6	SUBSTANTIAL COMPLETION AND FINAL INSPECTION	
<u>A.</u>	Participate in Substantial Completion Inspection	
B.	Prepare Substantial Completion Punchlist	
C.	Final Inspection	
3.15.7	CHANGE ORDER REQUESTS BY CITY	
A.	Develop Change Orders (6 Change Orders)	
B.	Submit to Contractor for Acceptance (6 Change Orders)	
C.	Submit to City for Approval (6 Change Orders)	
3.15.8		
Α.	Assess Work for Acceptance (3 Instances)	
В.	Provide City Opinion of Acceptance or Rejection of Non-Conforming Work (3 Instances)	
3.16	APPLICATION FOR PAYMENT BY CONSTRUCTION CONTRACTOR (INCLUDED IN CONSTRUCTION PHASE SERVICES (3.16.1 THRU 3.16.7)	

3.16.1	SCHEDULE OF VALUES
A.	Review and Comment on Contractor Schedule of Values (9 Submittals)
3.16.2	PAYMENT SUBMITTAL TO CITY PORTAL
Α.	Monitor Portal and Retrieve Applications (Weekly, 12 months)
3.16.3	APPLICATIONS OF PAYMENT
Α.	Review Monthly Applications of Payment (12 Applications)
3.16.4	PROCESS OF APPLICATION
<b>A</b> .	Process Application as Approved or Rejected (12 Applications)
B.	Provide Reasons for Rejections (3 Rejections Estimated).
3.16.5	APPROVAL OF APPLICATION
Α.	Inform City of Application Approval (12 Applications)
В.	Provide Remaining Balances, Retained Balances, and Sum to be Paid (12 Applications)
3.16.6	REJECTION OF APPLICATION
A.	Notify City of Rejected Applications Based on Criteria Outlined in 3.16.6.1 Thru 3.16.6.7 of Professional Services Agreement. (3 Rejections Assumed).
3.16.7	PROCESS OF APPLICATION RESUBMITTAL
<b>A</b> .	Review Resubmittal of Rejected Applications. (3 Resubmittals Assumed).
В.	Process Application As Applicable.
3.17	SUBSTANTIAL PROJECT COMPLETION
3.17.1	TASKS (CONSULTANT AND CITY)
A.	Inspect Project and Set a Date for Substantial Completion.
B.	Produce and Issue Certificate of Substantial Completion.
C.	Request Written Warranties and Related Documents from Contractor.
D.	Review Documents and Submit to City.
3.17.2	FINAL INSPECTION
Α.	Process Final Completion Request from Contractor
B.	Set Date for Final Inspections
C.	Conduct Final Inspection with City and Contractor
	a. Subconsultant Participation
	<ol> <li>Structural Subconsultant - (1) "conditional" approval site visit &amp; punch list and (1) "Final" approval site visit &amp; punch list</li> </ol>
	2. MEP Subconsultant - (1) site visit to perform substantial completion inspection
D.	Produce Punchlist of Items That May Need to be Addressed
E.	Verify Punchlist Items were Addressed
F.	Review Close-Out of Documents
3.17.3	RECOMMENDATION OF PAYMENT
Α.	Review Final Payment
В.	Review Record Drawings
	a. Subconsultant Participation
	1. Structural Subconsultant
	a. Prepare Record Drawings
3.17.4	REVIEW OF WARRANTIES, MANUALS, ETC
Α.	Review Pertinant Warranties, Bonds, Manuals, Etc.
B.	Attend Operator Training of Systems and Equipment, As Applicable.
3.17.5	FINAL INFORMATION SUBMITTAL
A.	Forward Consent of Surety, Release Retainage, Affidavits, Releases and Waivers of Liens or Bonds.

#### ADDITIONAL SUBCONSULTANT PARTICIPATION SERVICES

Environmental Services (See Attached Proposal and Fee by Adams Environmental, Inc., dated April 8, 2014)

Archaeological Services (See Attached Proposal and Fee by UTSA Center for Archaeological Research, dated April 14, 2014)

Geotechnical Engineering Services (See Attached Proposal and Fee by Burge Martinez Consulting, Inc., dated April 18, 2014)

C.	Final Inspection

#### BMB ADDITIONAL SERVICES

A)	DRAINAGE STUDY
	<ol> <li>Gather existing studies for Leon/Salado Creek Crossings, topography, and meet with City of San Antonio (COSA)</li> </ol>
	2. Review SARA hydrologic computations for existing and ultimate conditions
	3. Review SARA hydraulic computations for existing and ultimate conditions
	4. Revise SARA hydraulics to include trail crossings
	5. Provide the City of San Antonio with digital files of hydrologic and hydraulic models
	<ol> <li>Prepare a map with existing and ultimate floodplain based on existing site topographcy and proposed site topography</li> </ol>
	7. Provide items required to satisfy City of San Antonio regulatory requirements
	8. Prepare and submit complete study following City of San Antonio requirements to City
	9. Revise reports per comments and resubmit
B)	STORMWATER MANAGEMENT REPORT
*	1. Meet with City Drainage Department
	<ol> <li>Determine &amp; verify hydrology for the site and for downstream of the site based on existing conditions and developed conditions</li> </ol>
	3. Determine if increase runoff significantly affects downstream conditions
	4. Prepare report and calculate appropriate fees if required
	5. Prepare a Storm Water Participation form
	6. Submit report to the City of San Antonio
	7. Revise report per comments and resubmit
	WATER POLLUTION ABATEMENT PLAN (WPAP)
	Subconsultant Participation
	a. Environmental Engineering Subconsultant
	a.1. WPAP Submittal
	a.2. Geologic Assessment Submittal
	a.3. KARST Feature Evaluation

PHAS	E 1 - LEON NORTH (I-10 @ 1604 TO EISENHOWER PARK)
	ET - LEON NORTH (1-10 @ 1804 TO EISENHOWER FARR)
A)	MOBILIZATION
	1) Gathering Maps, Plats, Surveys, Meta Data
B)	PROJECT CONTROL:
	1) Establish Primary Control - Horizontal
	2) Establish Primary Control - Vertical (Level Loops)
	3) Set Secondary Control
C)	RESEARCH
	1) Utilities, Right-of-Way, Ownership (Public and Private)
D)	FIELD SURVEY
	1) On-the-ground Traverse
	2) Set Preliminary Alignment - Topo, Tree, Utility
	3) Set Preliminary Alignment - Boundary and Improvements
E)	CADD AND ANALYSIS
	1) From Control ties set boundaries: showing road right-of-ways, and Adjoiner Boundaries
	2) Add Utilities Locations from field ties & record locations
	3) Add topographic features, trees, fences, etc.
	4) Field check survey
	5) Create Control Point Sheet with description, northing, easting & elevations
F)	QUALITY ASSURANCE - QUALITY CONTROL
	1) Quality Assurance/Quality Control
	2) Respond to comments
PHAS	E 2 - SALADO NORTH (LOOP 1604 TO HUEBNER ROAD BRIDGE)
A)	MOBILIZATION
	1) Gathering Maps, Plats, Surveys, Meta Data
B)	PROJECT CONTROL:
	1) Establish Primary Control - Horizontal
	2) Establish Primary Control - Vertical (Level Loops)
	3) Set Secondary Control
C)	RESEARCH
	1) Utilities, Right-of-Way, Ownership (Public and Private)
D)	FIELD SURVEY
	1) On-the-ground Traverse
	2) Set Preliminary Alignment - Topo, Tree, Utility
	3) Set Preliminary Alignment - Boundary and Improvements
E)	CADD AND ANALYSIS
	1) From Control ties set boundaries: showing road right-of-ways, and Adjoiner Boundaries
	<ul> <li>2) Add Utilities Locations from field ties &amp; record locations</li> </ul>
	<ul><li>3) Add topographic features, trees, fences, etc.</li></ul>
	4) Field check survey
	5) Create Control Point Sheet with description, northing, easting & elevations
F)	QUALITY ASSURANCE - QUALITY CONTROL

	1) Quality Assurance/Quality Control
	2) Respond to comments
SUCHS	OPTIONAL SERVICES
	ADDITIONAL SUBCONSULTANT PARTICIPATION (UTSA - Archaelogical)
Α.	1. Section 106 coordination and consultation
	ADDITIONAL SUBCONSULTANT PARTICIPATION (Adams - Environmental)
В.	1. Preparation of Nationwide Permit 14 PCN Package
	2. Agency Coordination with the USACE and Preparation of Final PCN
	ADDITIONAL SUBCONSULTANT PARTICIPATION (Burge-Martinez- Geotechnical)
C.	1. Global Stability Analysis ( 6 @ \$750.00 each)
	ADDITIONAL CONSULTANT SURVEYING SERVICES (BMB)
Α.	PHASE I EASEMENTS
	1. Recover and verify existing horizontal & vertical control points
	2. Research property owners and adjoiners
	3. Recover sufficient boundary monuments to establish location of property lines
	4. Prepare easement plat & metes and bounds description
	5. Set iron rods at all easement corners
Β.	PHASE II EASEMENTS
	1. Recover and verify existing horizontal & vertical control points
	2. Research property owners and adjoiners
	3. Recover sufficient boundary monuments to establish location of property lines
-	4. Prepare easement plat & metes and bounds description
	5. Set iron rods at all easement corners

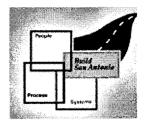


Exhibit 3-A: Scope of Services

April 14, 2016

## City of San Antonio

Capital Improvement Management Services

## THE HOWARD W. PEAK GREENWAY TRAILS SYSTEM -ROGERS RANCH SEGMENT

### SCOPE OF WORK NARRATIVE

### ADDITIONAL SERVICES

### PROJECT SCOPE

DETAILED DESIGN PHASE SERVICES 1) ENGINEERING SERVICES	
3.1	REVIEW AND BRIEFING OF SCOPE
Α.	Attend Scope Development & Project Initiation Meeting
В.	Revise Scope, as needed
3.2	TDLR REVIEW AND COMPLIANCE
Α.	Prepare TDLR Forms and Request TDLR Review Fee from Owner
	(TDLR FEES: \$850.00 for REVIEW, plus \$725.00 for INSPECTION = \$1,575.00)
В.	Submit Project Documents for TDLR Review
C.	Revise Plans per Comments, as necessary
D.	Request TDLR Inspection
E.	Attend TDLR Inspection
F.	Provide Contractor Punchlist of Items to be Addressed, if necessary
3.3	CONSULTANT RESPONSIBILITY
Α.	Review Project Jurisdictions and Expected Reviewing Agencies
В.	Contact and Gather Points of Contacts and Submittal Requirements
3.4	CONSULTANT, CONTRACTOR, AND CITY COORDINATION
Α.	Consultant Authority Modification, Processing, and Team Notification
3.5	SITE VISITS / MEETINGS
Α.	Project Initiation ( 1 Site Walk-thru with Design Team)
В.	Schematic (3 Site Visits, 1 Site Meeting with City,1 Coordination Meeting with Property Owner)
_	Construction Documents - 50%, 95% and 100% Submittals (3 Site Visits and 1 Owner
<u>C</u> .	Coordination Site Meeting)
D.	Construction Phase (See Construction Phase Services Section)
3.6	CONSTRUCTABILITY REVIEW (INCLUDED IN DESIGN)
3.7	CITY SERVICES AND COORDINATION