City of San Marcos Uhland Road Improvements 8/11/2017 ATTACHCHMENT B - Detailed Cost Breakdown	Project Fee Summary	
	Basic Services	677,419
	Special Services	-
	Total Project	677,419

Basic Services

Phase	Task	Employee	Linda Huff	Jay Scanlon	Engineer VII	Engineer VI	Engineer V	Engineer IV	Engineer III	GIS Analyst V	Senior CAD Designer	Technician III	Environmental Scientist V	Construction Manager IV	Environmental Scientist IV	Administrative Assistant III	Operations Analyst	Total Hours	Total Labor Effort	Total Expense Effort	Total Sub Effort	Total Effort
		Project Role	Client Rep	PM	QC	Senior Eng	Project Eng	Project Eng	EIT	GIS Analyst V	CADD Designer	CADD Tech	Env QC	Construction	Grant Admin	Administrative Assistant III	Accounting					
		Tasks ↓ | Current Hourly Bill Rate →	$225	$225	$225	$197	$169	$146	$130	$146	$145	$91	$169	$131	$146	$105	$139					
1		**General**																	$ -	$ -	$ -	$ -
	1	A. Federal Funding Requirements	1	1		2									40			44	$ 6,684	$ 374	$ -	$ 7,058
	2	B. TxDOT Coordination			4			8										12	$ 2,068	$ 102	$ -	$ 2,170
2		**Preliminary Phase (30%)**																	$ -	$ -	$ -	$ -
	1	A. Meetings (6)	6	12		29	3	12	12									74	$ 13,582	$ 950	$ -	$ 14,532
	2	B. Data Collection/Review				8		16	32	4								60	$ 8,656	$ 510	$ -	$ 9,166
	3	C. Field Investigations		1		4		8				12						25	$ 3,273	$ 266	$ 56,462	$ 60,001
	4	D. Water/Sanitary Sewer					4	8				4						16	$ 2,208	$ 136	$ -	$ 2,344
	5	F. Streets			2	4		32				12						50	$ 7,002	$ 425	$ -	$ 7,427
	6	G. SMEU			2	2		4				4						12	$ 1,792	$ 102	$ -	$ 1,894
	7	H. Drainage		6		10		56	100		24							196	$ 27,976	$ 1,666	$ -	$ 29,642
	8	I. Easements		2		2						4						8	$ 1,208	$ 68	$ -	$ 1,276
	9	J. Determine Permitting/Design Requirements		1				4					8					13	$ 2,161	$ 111	$ 29,988	$ 32,260
	10	K. ID Utility Providers						2	4									6	$ 812	$ 51	$ -	$ 863
	11	L. ID Utility Conflicts						8	12									20	$ 2,728	$ 170	$ -	$ 2,898
	12	M. Develop Const Cost Estimates				4	4	16	36					8				68	$ 9,528	$ 578	$ -	$ 10,106
	13	N. Deliverables		12	4	12	8	36	66	16	16					4		174	$ 26,228	$ 1,567	$ -	$ 27,795
3		**Design Phase (60%/90%/100%)**																	$ -	$ -	$ -	$ -
	1	A. Meetings																	$ -	$ -	$ -	$ -
		i. Project Meetings (6)	6	12		24	4	12	12									70	$ 12,766	$ 916	$ -	$ 13,682
		ii. Prepare Exhibits						2		4	4	4						14	$ 1,820	$ 182	$ -	$ 2,002
		iii. Public Meetings (1)	2	4		4		4										14	$ 2,722	$ 173	$ -	$ 2,895
		iv. Utility Coordination Meetings (1)		4				4										8	$ 1,484	$ 68	$ -	$ 1,552
	2	B. Design Sheet Categories (Design/Update/Respond to Comments)																	$ -	$ -	$ -	$ -
		i. Index				4		8	16		4	16						48	$ 6,072	$ 408	$ -	$ 6,480
		ii. Quantity Table				10		32	12		16	64						134	$ 16,346	$ 1,139	$ -	$ 17,485
		iii. General Notes				2						2						4	$ 576	$ 34	$ -	$ 610
		iv. Typical Sections				17		48	16		32	64						177	$ 22,901	$ 1,505	$ -	$ 24,406
		v. Construction Phasing				20		48	16		16	16						116	$ 16,804	$ 986	$ -	$ 17,790
		vi. Traffic Control Sheets				16		40	32			96						184	$ 21,888	$ 1,564	$ -	$ 23,452
		vii. Road Design				16		40	64			108						228	$ 27,140	$ 1,938	$ -	$ 29,078
		viii. Drainage Design		16		35		40	128		90							309	$ 46,025	$ 2,627	$ -	$ 48,652
		x. Tree Mitigation				4		12	4			32						52	$ 5,972	$ 442	$ -	$ 6,414
		xi. Erosion Control						4	8		60							72	$ 10,324	$ 612	$ -	$ 10,936
		xii. Removal Plans				4		12	4			64						84	$ 8,884	$ 714	$ -	$ 9,598
		xiii. Signing and Pavement Markings				4		12	4		4	64						88	$ 9,464	$ 748	$ -	$ 10,212
		xvii. Utility Layout				4	2	16	8		16	32						78	$ 9,734	$ 663	$ -	$ 10,397
		xviii. Utility Coordination				8		32			8	8						56	$ 8,136	$ 476	$ -	$ 8,612
		xix. Utility Design					2	8			90							100	$ 14,556	$ 850	$ -	$ 15,406
	3	E. Deliverables																	$ -	$ -	$ -	$ -
		i. Monthly Status Report		12														12	$ 2,700	$ 102	$ -	$ 2,802
		ii.60% Submittal (Assembly/Production/QC)			4	12	8	50	24		16	40				2		156	$ 21,206	$ 1,351	$ -	$ 22,557
		iii. 90% Submittal (Assembly/Production/QC)			4	12	10	64	24		16	40				2		172	$ 23,588	$ 1,487	$ -	$ 25,075
		v. 100% Sealed Submittal (Assembly/Production/QC)			4	4	6	48	4		16	40				2		124	$ 16,400	$ 1,054	$ -	$ 17,454
4		**Bidding Phase**																	$ -	$ -	$ -	$ -
	1	A. Attend Pre-Bid Meeting		4										6				10	$ 1,686	$ 139	$ -	$ 1,825
	2	B. Answer Questions				4		12						4				20	$ 3,064	$ 170	$ -	$ 3,234
	3	C. Assist with Addenda						8						4				12	$ 1,692	$ 102	$ -	$ 1,794
	4	D. Bid Tabulation and Recommendation		1				1						4				6	$ 895	$ 51	$ -	$ 946
	5	E. Reference Check for Bid Qualification		1				1						4				6	$ 895	$ 51	$ -	$ 946
	6	F. Conformed Plans				4		8			8	8				2		30	$ 4,054	$ 280	$ -	$ 4,334
5		**Construction Phase**																	$ -	$ -	$ -	$ -
	1	A. Project Meetings (24)		10		48								48				106	$ 17,994	$ 2,185	$ -	$ 20,179
	2	B. Attend Pre-Construction Conference				4								6				10	$ 1,574	$ 85	$ -	$ 1,659
	3	C. Submittal Review (40 with 1 re-review)				20	10	20						40		10		100	$ 14,840	$ 850	$ -	$ 15,690
	4	D. Respond to Requests for Information/Modifications				20	10	20						20		10		80	$ 12,220	$ 680	$ -	$ 12,900
	5	H. Review Change Orders						8			40			20				68	$ 9,588	$ 578	$ -	$ 10,166
	6	L. Substantial and Final Completion		4		4								16				24	$ 3,784	$ 311	$ -	$ 4,095
	7	M. Deliverables (Submittal Log)												20		4		24	$ 3,040	$ 204	$ -	$ 3,244
6		**Record Drawing Phase**																	$ -	$ -	$ -	$ -
	1	A. Develop Record Drawings						8			48	24						80	$ 10,312	$ 680	$ -	$ 10,992
7		**Project Management**																	$ -	$ -	$ -	$ -
	1	A. Project Monitoring and Project Work Plan		52		130										12	13	207	$ 40,377	$ 1,760	$ -	$ 42,137
	2	B. Prepare QA/QC Plan		4	4	8	2											18	$ 3,714	$ 153	$ -	$ 3,867
	3	C. tdlr Review and Insepction				4												4	$ 788	$ 1,644	$ -	$ 2,432
																			$ -	$ -	$ -	$ -
		Total Basic Services Hours	**15**	**159**	**28**	**523**	**73**	**832**	**638**	**24**	**524**	**758**	**8**	**200**	**40**	**48**	**13**	**3,883**	**$ 553,931**	**$ 37,038**	**$ 86,450**	**$ 677,419**
		Total Basic Services Labor Effort	**$ 3,375**	**$ 35,775**	**$ 6,300**	**$ 103,031**	**$ 12,337**	**$ 121,472**	**$ 82,940**	**$ 3,504**	**$ 75,980**	**$ 68,978**	**$ 1,352**	**$ 26,200**	**$ 5,840**	**$ 5,040**	**$ 1,807**					

Project Fee Summary	
Basic Services	677,419
Special Services	-
Total Project	677,419

City of San Marcos
Uhland Road Improvements
8/11/2017
ATTACHCHMENT B - Detailed Cost Breakdown

Phase	Task	Expenses	Tech Charge	Miles	Meals	Hotel	B&W (sheet)	Color (sheet)	Binding (each)	Lg Format - Bond - B&W (sq. ft.)	Lg Format - Glossy/Mylar - B&W (sq. ft.)	Other	Other	Other	Other	Other	Other	Total Exp Effort
1		General																$ -
	1	A. Federal Funding Requirements	44															$ 374
	2	B. TxDOT Coordination	12															$ 102
2		Preliminary Phase (30%)																$ -
	1	A. Meetings (6)	74	600														$ 950
	2	B. Data Collection/Review	60															$ 510
	3	C. Field Investigations	25	100														$ 266
	4	D. Water/Sanitary Sewer	16															$ 136
	5	F. Streets	50															$ 425
	6	G. SMEU	12															$ 102
	7	H. Drainage	196															$ 1,666
	8	I. Easements	8															$ 68
	9	J. Determine Permitting/Design Requirements	13															$ 111
	10	K. ID Utility Providers	6															$ 51
	11	L. ID Utility Conflicts	20															$ 170
	12	M. Develop Const Cost Estimates	68															$ 578
	13	N. Deliverables	174				250	250										$ 1,567
3		Design Phase (60%/90%/100%)																$ -
	1	A. Meetings																$ -
		i. Project Meetings (6)	70	600														$ 916
		ii. Prepare Exhibits	14					250										$ 182
		iii. Public Meetings (1)	14	100														$ 173
		iv. Utility Coordination Meetings (1)	8															$ 68
	2	B. Design Sheet Categories (Design/Update/Respond to Comments)																$ -
		i. Index	48															$ 408
		ii. Quantity Table	134															$ 1,139
		iii. General Notes	4															$ 34
		iv. Typical Sections	177															$ 1,505
		v. Construction Phasing	116															$ 986
		vi. Traffic Control Sheets	184															$ 1,564
		vii. Road Design	228															$ 1,938
		viii. Drainage Design	309															$ 2,627
		x. Tree Mitigation	52															$ 442
		xi. Erosion Control	72															$ 612
		xii. Removal Plans	84															$ 714
		xiii. Signing and Pavement Markings	88															$ 748
		xvii. Utility Layout	78															$ 663
		xviii. Utility Coordination	56															$ 476
		xix. Utility Design	100															$ 850
	3	E. Deliverables																$ -
		i. Monthly Status Report	12															$ 102
		ii.60% Submittal (Assembly/Production/QC)	156				250											$ 1,351
		iii. 90% Submittal (Assembly/Production/QC)	172				250											$ 1,487
		v. 100% Sealed Submittal (Assembly/Production/QC)	124															$ 1,054
4		Bidding Phase																$ -
	1	A. Attend Pre-Bid Meeting	10	100														$ 139
	2	B. Answer Questions	20															$ 170
	3	C. Assist with Addenda	12															$ 102
	4	D. Bid Tabulation and Recommendation	6															$ 51
	5	E. Reference Check for Bid Qualification	6															$ 51
	6	F. Conformed Plans	30				250											$ 280
5		Construction Phase																$ -
	1	A. Project Meetings (24)	106	2400														$ 2,185
	2	B. Attend Pre-Construction Conference	10															$ 85
	3	C. Submittal Review (40 with 1 re-review)	100															$ 850
	4	D. Respond to Requests for Information/Modifications	80															$ 680
	5	H. Review Change Orders	68															$ 578
	6	L. Substantial and Final Completion	24	200														$ 311
	7	M. Deliverables (Submittal Log)	24															$ 204
6		Record Drawing Phase																$ -
	1	A. Develop Record Drawings	80															$ 680
7		Project Management																$ -
	1	A. Project Monitoring and Project Work Plan	207															$ 1,760
	2	B. Prepare QA/QC Plan	18															$ 153
	3	C. tdlr Review and Insepction	4									1610						$ 1,644
																		$ -
		Total Basic Services Items	**3,883**	**4,100**	**-**	**-**	**1,000**	**500**	**-**	**-**	**-**	**1,610**	**-**	**-**	**-**	**-**	**-**	
		Total Basic Services Expenses Effort	**$ 33,006**	**$ 2,194**	**$ -**	**$ -**	**$ 100**	**$ 125**	**$ -**	**$ -**	**$ -**	**$ 1,610**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 37,038**

Phase	Task	Subconsultants	Gorrondona	Cox McLain	McGray	Encothech	MWM Design											Total Sub Effort
2		Preliminary Phase (30%)																$ -
	1	A. Meetings (6)																$ -
	2	B. Data Collection/Review																$ -
	3	C. Field Investigations	56,461.1															$ 56,462
	4	D. Water/Sanitary Sewer																$ -
	5	F. Streets																$ -
	6	G. SMEU																$ -
	7	H. Drainage																$ -
	8	I. Easements		-														$ -
	9	J. Determine Permitting/Design Requirements		29,988.0														$ 29,988
	10	K. ID Utility Providers																$ -
	11	L. ID Utility Conflicts																$ -
	12	M. Develop Const Cost Estimates																$ -
	13	N. Deliverables																$ -
		Total Basic Services Subconsultants Cost	**$ 56,461**	**$ 29,988**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	
		Total Basic Services Subconsultants Effort	**$ 56,461**	**$ 29,988**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 86,450**