

ATTACHMENT B - FEE SCHEDULE												
City of San Marcos, Texas												
Hopkins Street Improvements: Guadalupe to Moore												
Professional Service Description	Total Task Hours	Total Task Cost	Kimley-Horn Staff						Subconsultants			
			Senior Engineer II	Senior Engineer I	Professional	Analyst II	Analyst I	Clerical Staff	Byrn (Survey)	Quality Counts (Traffic Counts)	Rios Group (SUE)	
			\$255.00	\$210.00	\$165.00	\$145.00	\$135.00	\$95.00	Fee	Fee	Fee	
Task 1 - Data Collection, Survey, and Subsurface Utility Engineering												
1-I Data Collection												
Kickoff Meeting with City Staff	9	\$ 1,890	3	3	3							
Obtain and Review Available As-Builts, survey, and utilities	6	\$ 840			1		5					
Site Visit	9	\$ 1,665	3		3		3					
Obtain and review signal timing plans at 8 intersections	7	\$ 1,080		1	2		4					
Conduct travel time runs and field parking spaces observations	12	\$ 1,740			4		8					
Obtain & Review Existing Traffic Counts at 8 locations	8	\$ 1,140			2		6					
Traffic Counts (subconsultant)		\$ 3,680								\$ 3,680.00		
10% Traffic Counts Subconsultant Mark-up		\$ 368										
1-II Topographic and Boundary/ROW Survey												
Subconsultant Boundary/ROW Fee (see Byrn Proposal)		\$ 25,000							\$ 25,000.00			
Survey Fee (See Byrn Proposal)		\$ 63,000							\$ 63,000.00			
10% Survey Subconsultant Mark-up		\$ 8,800										
Perform QC on Digitized Survey	10	\$ 1,470			4		6					
1-III Subsurface Utility Engineering (SUE)												
Subconsultant SUE Fee (see Rios Group Proposal)		\$ 58,589.53									\$ 58,589.53	
10% SUE Subconsultant Mark-up		\$ 5,859										
Perform QC of SUE file	8	\$ 1,200			4		4					
Total Task 1:	69	\$ 176,321.53	6	4	23	0	36	0				
Task 2 - Preliminary Engineering Services												
2-I Project Management and Administration		\$ -										
Attend up to 4 Progress/Comment resolution Meetings	30	\$ 6,120	12	6	6		6					
Attend up to 2 Utility Coordination Meetings	18	\$ 3,330	6		6		6					
Prepare Meeting Minutes	10	\$ 1,590	2				8					
Project Administration and Coordination	32	\$ 5,800	8	8	8			8				
Prepare Monthly Invoice	26	\$ 3,750	8					18				
Prepare Monthly Status Report	12	\$ 2,520	4	4	4							
2-III Prepare Preliminary Engineering Report												
Prepare Paving Plan Sheets	66	\$ 10,150	6		12	16	32					
Prepare Comanche Sidewalk Exhibit	10	\$ 1,560	1		3		6					
Prepare Paving OPCC	21	\$ 3,265	1	2	4	4	10					
Prepare Typical Sections	14	\$ 2,250	2		4		8					
Sanitary Sewer Alignment Analysis and P&P	34	\$ 4,980		2	8		24					
Water Alignment Analysis and Plan View Exhibits	21	\$ 3,030		1	4		16					
Prepare Sanitary/Water OPCC	10	\$ 1,515		1	3		6					
Review Purgatory Creek 2D Model	28	\$ 4,320		4	8		16					
Size Stormwater Quality Device	19	\$ 3,075	1	2	4	12						
Storm Sewer Alternatives Analysis and Exhibits	92	\$ 14,010	2	10	20		60					
Prepare Stormwater OPCC	10	\$ 1,515		1	3		6					
Prepare Streetscape/Landscape/Pedestrian Lighting Exhibits	36	\$ 5,550		2	10	24						
Prepare Streetscape/Landscape/Pedestrian Lighting OPCC	10	\$ 1,575		1	3	6						
Traffic Study	0	\$ -										
Develop Synchro model for the corridor	19	\$ 2,970		3	6		10					
Develop VISSIM base model for the corridor	110	\$ 16,650		10	35		65					
Calibrate AM and PM peak models	60	\$ 9,450		10	20		30					
Evaluate "Protected Intersection" concepts applicable to the corridor	15	\$ 2,700		5	10							
Analyze up to 4 different alternatives for intersection improvements	76	\$ 11,880		12	24		40					
Project future traffic volumes at study intersections	8	\$ 1,230		2			6					
Develop AM & PM Future Conditions VISSIM model for "Preferred Alternative"	32	\$ 4,860		4	8		20					
Develop VISSIM video simulations for "Preferred Alternative"	38	\$ 6,030		8	10		20					
Develop MOE results from VISSIM for up to 6 models	36	\$ 5,910		6	20		10					
Summarize results & recommendations in a Tech Memo	55	\$ 8,220		5	14		36					
Incorporate Access Management Considerations	10	\$ 1,875	1	3	6							
Determine Permit Requirements	8	\$ 1,140			2		6					
Prepare Utility Conflict Exhibit and Conflict Analysis Spreadsheet	22	\$ 3,150			4	6	12					
Prepare Draft Preliminary Engineering Report	84	\$ 13,580	4	16	16	8	40					
Quality Review	16	\$ 3,720	8	8								
Respond to City Comments on Draft PER	10	\$ 1,800	2	2	2		4					
Prepare Final Preliminary Engineering Report	18	\$ 3,090	2	4	4		8					
2-III Public Involvement												
Attend up to 2 Public Meetings	32	\$ 6,120	8	8	8		8					
Prepare Roll Plots for Public Meetings	42	\$ 6,230	2		8	8	24					
Prepare Public Meeting Exhibits and Handouts	64	\$ 9,240	4		12	8	32	8				
Respond to Public Meeting Comments/Prepare Public Meeting Summary	36	\$ 5,740	8		8		12	8				
Attend up to 4 Stakeholder Meetings	24	\$ 5,310	12	6	6							
Total Task 2:	1,314	\$ 210,800.00	104	156	333	92	587	42				
Reimbursable Expenses												
Plotting & Reproduction		\$ 500										
Mileage	700	\$ 375										
Overnight Mail		\$ 100										
Total Reimbursable Expenses:	0	\$ 975	0	0	0	0	0	0				
Total Hours	1,383		110	160	356	92	623	42				
Total Fee		\$ 388,096.53										

Fee Breakdown by Firm:

Kimley-Horn	\$	237,827
Byrn (Survey)	\$	88,000
Quality Counts (Traffic Counts)	\$	3,680
Rios Group (SUE)	\$	58,589.53

TOTAL FEE \$ 388,096.53

The hours listed above are an estimate. The hours assigned to the Phase are not exclusive to the Phase which they are assigned. The total fee will not exceed the total contract amount as discussed in Article 2. The hourly rates of this contract shall apply throughout the remainder of this contract and to all change in services.

1. Basic Services - The amounts of these invoices will be based upon the extent of work completed by the Engineer on an hourly basis.

2. Supplemental Services - The Engineer will receive approval in writing before performing supplemental services. The amounts of these invoices will be based upon the extent of work completed by the Engineer on a lump sum basis.

3. Reimbursable Expense - Reimbursable expenses including such things as expenses for plotting, reproduction of documents, auto travel mileage (current IRS approved mileage rate), delivery charges, long distance communications, freight, and state accessibility will be invoiced with appropriate backup documentation.

Invoices will be prepared in a format approved by the City prior to submission of the first monthly invoice. Invoices shall be submitted monthly and paid within 30 days.

ESTIMATE



TEX:TX

BILL TO : Kimley-Horn and Associates, Inc.
10415 Morado Circle
Austin, TX 78759
(512) 418-1771

CLIENT PROJECT # :

ESTIMATE DATE : 12/13/2019

ORDER DATE : 12/13/2019

ORDER No	PROJECT NAME	PAYMENT TERMS	ORDER BY
151475	Hopkins St	Net 60 Days	Vivek Deshpande

QTY	DESCRIPTION	RATE	TOTAL
6	High Volume-Turn Count	\$250.00	\$1,500.00
	3 Location(s) for time period(s): 7:00 AM -- 9:00 AM-(Midweek)		
	-N C M Allen Pkwy -- E Hopkins St, San Marcos, TX		
	-N LBJ Dr -- E Hopkins St, San Marcos, TX		
	-N Guadalupe St -- W Hopkins St, San Marcos, TX		
	3 Location(s) for time period(s): 4:00 PM -- 6:00 PM-(Midweek)		
	-N C M Allen Pkwy -- E Hopkins St, San Marcos, TX		
	-N LBJ Dr -- E Hopkins St, San Marcos, TX		
	-N Guadalupe St -- W Hopkins St, San Marcos, TX		
10	Standard-Turn Count	\$160.00	\$1,600.00
	5 Location(s) for time period(s): 7:00 AM -- 9:00 AM-(Midweek)		
	-N Edward Gary St -- E Hopkins St, San Marcos, TX		
	-Fredricksburg St -- W Hopkins St, San Marcos, TX		
	-Comanche St -- W Hopkins St, San Marcos, TX		
	-North St -- W Hopkins St, San Marcos, TX		
	-Moore St -- W Hopkins St, San Marcos, TX		
	5 Location(s) for time period(s): 4:00 PM -- 6:00 PM-(Midweek)		
	-N Edward Gary St -- E Hopkins St, San Marcos, TX		
	-Fredricksburg St -- W Hopkins St, San Marcos, TX		
	-Comanche St -- W Hopkins St, San Marcos, TX		
	-North St -- W Hopkins St, San Marcos, TX		
	-Moore St -- W Hopkins St, San Marcos, TX		
1	1-3 Lanes-Class, Volume	\$170.00	\$170.00
	1 Location(s) for time period(s): 1 Days (Class, Volume)		
	-W Hopkins St Btwn Fredericksburg St & Comanche St, San Marcos, TX		
1	4+ Lanes-Class, Volume	\$210.00	\$210.00
	1 Location(s) for time period(s): 1 Days (Class, Volume)		
	-E Hopkins St Btwn LBJ Dr & Edward Gary St, San Marcos, TX		

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QTY	DESCRIPTION	RATE	TOTAL
1	Tube Setup Fee - Standard tube setup fee	\$200.00	\$200.00
		TOTAL	\$3,680.00

Balances unpaid by end of Payment term (listed above) will be charged 1.5% interest per month

Quality Counts, LLC
7409 SW Tech Center Dr, STE 150
Tigard, OR 97223
(877) 580-2212
qualitycounts.net



FIRM # 10070500

December 6, 2019

Kimley-Horn
Attn: Brian Boecker
10814 Jollyville Rd., Ste. 300
Austin, TX 78759

RE: HOPKINS STREET IMPROVEMENT PROJECT

Mr. Boecker:

Byrn & Associates, Inc. will perform a design quality TOPOGRAPHIC AND R-O-W survey for the area along Hopkins Street that extends from Moore Street to Guadalupe Street for a fee of \$25,000 for the boundary R-O-W portion and \$63,000 for the topographic portion.

The scope is as follows:

1. Topographic and R-O-W Survey

- * Surveyor will perform GPS survey to establish horizontal and vertical control and establish benchmarks for use as construction baseline
- * Surveyor will locate field markings of underground utilities with the project limits
- * Surveyor will collect spot elevations and grade breaks along the project route at intervals conducive to precise DTM generation (no greater than 50 foot intervals). Limits of the survey will be outlined as follows:
 - Hopkins Street - from Moore Street to Guadalupe Street
 - Fredericksburg Street - from Hopkins to San Antonio Street
 - Comanche Street - from Hutchinson Street to San Antonio Street
 - Alley between Comanche/Fredericksburg - from Hopkins Street to San Antonio Street
 - All intersections of the above referenced streets will be surveyed 100 ft in all directions.
- * Topo limits will be 10' outside right-of-way (or to a building face).

- * The data will consist of curbs, gutters, drop inlets, culverts, and driveways, portions of parking areas, visible utilities, drainage features, structures, striping, etc.
- * Surveyor will also obtain flow line elevations and pipe sizes (if ascertainable) for each wastewater, storm drainage manhole, water valve (including top nut elevations), culvert, and drop inlets within the limits of the survey area including one manhole upstream and downstream of said streets (except for any measure-downs done by SUE Company).
- * Trees having a diameter of 6" or larger will be located, tagged, and identified (by their common name). Critical root zones will be drawn based on City of San Marcos standards.
- * Surveyor will provide contours and drawings showing data outlined above in CAD format.
- * Surveyor will utilize TxDOT Right-of-Way (ROW) maps, tax appraisal maps, and recorded plats as base maps to recover monumentation, including ROW monuments, record/non-record monumentation and evidence of boundary lines (fence corners, etc.). This survey will also include deed research of adjacent properties for ownership data and locating property corners and City, TxDOT, and railroad rights-of-way. Survey will not abstract tracts adjacent to the ROW for easements of record but will show easements adjacent to the roadway as depicted on recorded plats. The survey will show right-of-way lines with a best fit to found property corners and record ownership lines.

Sincerely,



David C. Williamson
President

December 20, 2019

Brian Boecker, P.E.
Kimley-Horn
10814 Jollyville Road
Avallon IV, Suite 200
Austin, TX 78759
D: 512.418.4533
Brian.Boecker@kimley-horn.com

**RE: Subsurface Utility Engineering
Hopkins Street Improvement**

Dear Mr. Boecker:

The Rios Group, Inc. (TRG) is pleased to submit a cost proposal for Subsurface Utility Engineering (SUE) for the above referenced project. This proposal is based on information provided via email December 4, 2019.

Introduction

TRG will perform SUE services for this project in general accordance with the recommended practices and procedures described in ASCE publication CI/ASCE 38-02 “Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data.” As described in the publication, four levels have been established to describe and depict the quality of subsurface utility information. The four quality levels are as follows:

- Quality Level D (QL“D”) – Information obtained from existing utility records.
- Quality Level C (QL“C”) – Surveyed data depicting visible above-ground features supplemented with QL“D” information.
- Quality Level B (QL“B”) – Two-dimensional horizontal information obtained through the application and interpretation of non-destructive surface geophysical methods. Also known as “designating,” this level incorporates QL“C” information and provides horizontal positioning of subsurface utilities to within approximately 1.0 foot.
- Quality Level A (QL“A”) – Three-dimensional horizontal and vertical information obtained through non-destructive vacuum excavation equipment to expose utilities at critical points. Also known as “locating,” this level incorporates QL“B” information and provides horizontal and vertical positioning of subsurface utilities to within approximately 0.05 feet.

Scope of Work

Based on information provided by Kimley-Horn. (Client), TRG has developed a preliminary scope for the SUE work on this project. This scope of work may be modified, with the Client’s concurrence, during the performance of work if warranted by actual field findings.

The scope of this proposal includes QL“B” SUE services for the Hopkins Street Improvement Project in San Marcos, Texas. The limits of the SUE investigation include the full-width Right-Of-Way (ROW) of Hopkins Street between Moore Street and N Guadalupe Street along with the full-width ROW of Fredericksburg Street from Hopkins Street to San Antonio Street, the full-width ROW of Comanche Street from Hutchison Street to San Antonio Street, and the full-width ROW of the alley between Fredericksburg Street and Comanche Street from Moore Street to San Antonio Street. The investigation area also includes a 100’ radius return for each side street and intersection that intersects Hopkins Street as well as 10-feet outside the ROW along each street within the investigation area. The investigation also includes 100’ along Hopkins Street both west of Moore Street and east of N Guadalupe Street. The general outline of the investigation area is shown in red on Exhibit B. TRG will attempt to designate the following utilities within this area: potable water, reclaimed water, chilled water, natural gas/crude oil/refined product pipelines, communication duct banks, fiber optic, cable television, telephone, and electric. Wastewater and storm drain facilities will be inverted at manholes, and will be depicted as QL“C” information. Irrigation lines and utility services lines are excluded from this scope of work. TRG will also perform an inventory of overhead utilities within the project limits.

The survey of SUE field markings is not included in this scope of work. It is assumed that the Client’s surveyor will provide survey data of the SUE field markings for use in preparing the final deliverable.

Any necessary Right-Of-Entry (ROE) permits, including railroad ROE, will be provided by the Client prior to the start of field work.

TRG Procedures

QL “D” and “C” – Records Research and Surface Feature Survey

It is the responsibility of the SUE provider to perform due-diligence with regard to records research and the acquisition of available utility records. The due-diligence provided for this project will consist of contacting the applicable One Call agency and associated utility owners/municipalities, visually inspecting the work area for evidence of utilities, and reviewing available utility record information. Additional utilities not identified through these efforts will be referred to as Unknown utilities.

QL “B” – Designating

Following a review of the project scope and available utility records with the project manager, TRG field personnel will begin designating the approximate horizontal position of known subsurface utilities within the project area. A suite of geophysical equipment that includes magnetic and electromagnetic induction will be used to designate conductive utilities. Where access is available, a sonde will be inserted into non-conductive utilities to provide a medium for transmission which can then be designated using geophysical equipment. Non-conductive utilities can also be designated using other proven methods, such as rodding and probing. TRG will make a reasonable attempt to designate Unknown utilities identified during field work; however, no guarantee is made that all Unknown utilities will be designated. Utilities will be marked and labeled to distinguish type and ownership. Field data depicting the designated utilities, as well as relevant surface features, will be produced to ensure accuracy and completeness of subsequent

survey data. The TRG project manager will review the collected survey data, field data, and utility records for accuracy and completeness.

TRG has made the following assumptions with regard to the designating work on this project:

- ROW permits from the City of San Marcos will not be required.
- Designed traffic control plans will be required. TRG will acquire the services of a qualified temporary traffic control engineering subcontractor, and ensure that all traffic control plans meet required City standards.
- Non-routine traffic control measures will be required. TRG will acquire the services of a qualified Maintenance-Of-Traffic (MOT) Subcontractor and ensure that adequate traffic control is provided.

Deliverables

TRG will provide the following as a final deliverable to the Client:

- A utility file in CAD format depicting all designated utilities. The Client will provide TRG with any necessary background files for use in completing the final deliverables.
- 11" x 17" SUE Plan Sheets depicting all designated utilities. These plans will be signed and sealed by a Professional Engineer and delivered to the Client in electronic PDF form.

Schedule

TRG can mobilize within three (3) weeks of receiving Notice-To-Proceed (NTP). TRG estimates that the QL"B" SUE work can be completed in thirty (30) working days following approval of the ROW permits, broken down as follows:

- QL"B" field work – 20 days
- Deliverable preparation – 10 days (following receipt of survey data)

Estimated Fee

The total estimated cost to complete the work described herein is **Fifty-Eight Thousand Five Hundred Eighty-Nine Dollars and 53/100 (\$58,589.53)**. An itemized breakdown of cost is provided in Exhibit A. Please note that these pricings are based on an assumption of quantities, and that only actual quantities will be invoiced – up to the total Contract amount.

We look forward to working with you on this project. If there are any questions, please do not hesitate to call at 512.580.5440.

Respectfully,

The Rios Group, Inc.



Ryan C. Chapin, P.E.
Project Manager

Estimate for Subsurface Utility Engineering

Hopkins Street Improvement

EXHIBIT A

Hourly Office Labor	Rate	Assumed Quantity	Unit of Measure	Sub-Total
Key Personnel - Travis Isaacson	\$ 252.40	4	HR	\$ 1,009.60
Professional Engineer I (4-8)	\$ 136.84	25	HR	\$ 3,421.00
Engineer in Training I (0-5)	\$ 91.23	8	HR	\$ 729.84
CADD Technician IV (15-20)	\$ 79.07	35	HR	\$ 2,767.45
Field Manager	\$ 103.39	8	HR	\$ 827.12
Administrative Specialist V (20-25)	\$ 83.63	4	HR	\$ 334.52
Sub-Total				\$ 9,089.53
Direct Expenses	Rate	Assumed Quantity	Unit of Measure	Sub-Total
Designed Traffic Control Plan	\$ 7,500.00	1	LS	\$ 7,500.00
Traffic Control	\$ 1,200.00	7	DAY	\$ 8,400.00
Sub-Total				\$ 15,900.00
QL"B" SUE Designating	Rate	Assumed Quantity	Unit of Measure	Sub-Total
One Designating Person	\$ 136.50	0	HR	\$ -
Two Person Designating Crew	\$ 210.00	160	HR	\$ 33,600.00
Sub-Total				\$ 33,600.00
Total Estimated Cost				\$ 58,589.53

