

ATTACHMENT D

AUTHORIZATION OF CHANGE IN SERVICES
CITY OF SAN MARCOS, TEXAS

PROJECT: City of San Marcos Transportation Master Plan
CONSULTANT: HDR Engineering, Inc.

AUTHORIZATION NO.: 2

ORIGINAL CONTRACT DATE: February 4, 2014

AUTHORIZATION DATE: July 7, 2015

WORK TO BE ADDED TO OR DELETED FROM SCOPE OF SERVICES

The City of San Marcos is considering conversion of Guadalupe Street and LBJ Drive from its current one-way traffic operations to two-way operations. As part of this process, City has requested HDR Engineering, Inc. to conduct a detailed evaluation of the impact of the conversion from the following perspectives:

1. Traffic Operations
2. Urban Design and Multimodal Connectivity
3. Economic Impact

The additional scope of work for this evaluation is described in the attached document. Fee estimate and overall project schedule are also attached for these additional services.

Previous Change In Services

#1; October 24, 2014; Academy St. and Sessom Dr. Intersection Analysis; \$26,563.00

Previous contract amount:	<u>\$274,903.00</u>
Net increase/decrease in contract amount:	<u>\$ 75,000.00</u>
Revised contract amount:	<u>\$349,903.00</u>

Requested by:

By: 

Date: 6/22/15

RASHED ISAM, P.E., VICE PRESIDENT
Printed name, title

Approved by:

City of San Marcos:

Date: _____

By: _____
Jared Miller, City Manager

City of San Marcos Downtown Two-Way Conversion Evaluation

Scope of Services

The following scope of services has been designed to conduct an effective evaluation of downtown San Marcos traffic operations as a result of the proposed of one-way to two-way conversion of Guadalupe Street and N. LBJ Drive. The scope of work consists of seven task areas:

1. Project Management;
2. Technical Committee Meetings;
3. Data Collection;
4. Evaluation of Traffic Operations;
5. Development of Cross-Sections and Roadway Layouts;
6. Economic Analysis of the One-way versus Two-way Operations of Downtown Streets; and
7. Documentation.

This scope of work is directed at addressing current and future transportation issues and utilizes all of the previous work that has been completed for the San Marcos Comprehensive Plan.

TASK 1 - Project Management

The management of project activities will ensure the efficient and timely delivery of study results. The four objectives for the project management program are scope, cost, schedule and quality control to be completed through the following subtasks:

Task 1.1 – Project Meetings – HDR will meet with City Staff a minimum of two (2) times at key milestones to discuss project issues or prepare for public meetings or presentations.

Task 1.2 – Invoices/Payment Requisitions – HDR will prepare and submit monthly invoices in the format desired by the City. The payment requisitions will include an updated project schedule and the City's payment application form.

Deliverables (electronic format) – Progress reports, schedule and payment requisitions as required by the City.

TASK 2 – Technical Committee Meetings

Task 2 will be accomplished with the following subtasks:

Task 2.1 – Meetings with Technical Committee and Stakeholder(s) – HDR will utilize the TMP Technical Committee Meetings for this process. HDR will conduct two (2) meetings with the Technical Committee as follows:

1. The first meeting will be after the existing and proposed conditions assessment is completed
2. The second meeting will take place after incorporating comments from technical committee and/or City Council on the proposed findings

Task 2.2 – City Council Meeting(s) – HDR will attend one (1) meeting with the City of San Marcos City Council to present the findings of the downtown operational evaluation recommendations.

Task 2.3 – Public Open House – *No additional open house will be conducted for this process. HDR will utilize the 2nd Open House for the TMP Update process to present information to the public.*

Deliverables (electronic format) – Detailed coordination and public participation strategy, reports, schedules and documentation as required by the City.

City of San Marcos Downtown Two-Way Conversion Evaluation

Scope of Services

TASK 3 – Data Collection

This task involves the identification and inventory of existing data and the collection of additional data needed for the completion of the study.

Task 3.1 – Obtain Available Data – The following data items will be provided by the City of San Marcos:

- Available existing “as-built” information, interface data, and construction documents for projects in downtown area;
- Signal timing data for all signalized intersections listed in Task 3.2.
- Other previous studies relevant to the project.

Task 3.2 – Data Collection – The HDR Team will collect the following data for developing the traffic operations model for the downtown area:

- AM peak (7:00 – 9:00) and PM peak (4:00 – 6:00) period turning movement counts at the following intersections:
 - ✓ Guadalupe St. and Pat Garrison St./University Dr.
 - ✓ LBJ Dr. and University Dr.
 - ✓ University Dr. and Edward Gary St.
 - ✓ Guadalupe St. and Hutchison St.
 - ✓ LBJ Dr. and Hutchison St.
 - ✓ Hopkins St. (SH 80) and Comanche St.
 - ✓ Hopkins St. (SH 80) and Edward Gary St.
 - ✓ Guadalupe St. and San Antonio St.
 - ✓ LBJ Dr. and San Antonio St.
 - ✓ Guadalupe St. and Martin Luther King Dr.
 - ✓ LBJ Dr. and Martin Luther King Dr./Edward Gary St.
 - ✓ CM Allen Pkwy. and University Dr. (previously counted as part of TMP project)
 - ✓ Hopkins St. (SH 80) and Guadalupe St. (previously counted as part of TMP project)
 - ✓ Hopkins St. (SH 80) and LBJ Dr. (previously counted as part of TMP project)
- 24-hour bi-directional tube counts at the following locations:
 - ✓ University Dr., between Guadalupe St. and LBJ Dr.
 - ✓ CM Allen Pkwy., south of University Dr.
 - ✓ Hutchison St., between Guadalupe St. and LBJ Dr.
 - ✓ Hopkins St. (SH 80), west of CM Allen Pkwy.
 - ✓ Hopkins St. (SH 80), between Guadalupe St. and LBJ Dr. (previously counted as part of TMP project)
 - ✓ Guadalupe St., south of Martin Luther King Dr. (previously counted as part of TMP project)
 - ✓ LBJ Dr., south of Martin Luther King Dr./Edward Gary St. (previously counted as part of TMP project)

Deliverables (hardcopies of maps as requested and electronic format):

- 1) A technical memorandum summarizing the collection of the following technical data.

TASK 4 – Evaluation of Traffic Operations

The work to be performed by the Engineer shall consist of professional services required for a traffic microsimulation study of downtown San Marcos to evaluate the impact of converting Guadalupe Street and N. LBJ Drive to two-way from its current one-way operations. The Engineer shall analyze existing data, develop and collect additional data as necessary to identify existing and future corridor and intersection needs and develop and communicate improvement concepts.

City of San Marcos Downtown Two-Way Conversion Evaluation

Scope of Services

The Engineer shall perform traffic microsimulation analyses, including:

- Develop existing conditions PM peak hour microsimulation models using *VISSIM*. These models will be calibrated and validated to current field conditions (roadway geometry, traffic volumes, queue lengths, etc.).
- Compile future year (2035) traffic volume forecasts for the following scenarios:
 - ✓ Existing roadway geometric configuration ("no-build")
 - ✓ Existing roadway geometric configuration with optimized traffic operations ("improved no-build")
 - ✓ Proposed roadway geometric configuration with conversion to two-way streets ("build")
- Using existing conditions models as bases, construct future year "no-build", "improved no-build" and "build" PM peak hour *VISSIM* models.
- Summarize microsimulation analysis results in a technical memorandum for submission to COSM.
- Compile 3D *VISSIM* animations of PM peak hour conditions under each of the two (2) future year scenarios for public involvement.
- Present results and animations at meeting with the City Council.

Deliverables (electronic formats):

- 1) Summarizing the results of the *VISSIM* models in a Technical Memorandum as part of Task 7.
- 2) 3D Animation models for two scenarios.

TASK 5 – Development of Cross-Sections and Roadway Layouts

As part of Task 5, HDR will review and evaluate existing design criteria and standards for downtown streets, and provide recommendations that bring these standards up to current best practices. This task will develop recommended prototypical cross sections and treatments to be applied to different downtown streets for the two-way option. More specifically:

Task 5.1 – Cross-Sections – HDR and MAS will develop cross-sections for key downtown streets for the two-way option. Cross sections will identify dimensions and multimodal elements.

Task 5.2 – Roadway Layout – HDR and MAS will develop roadway layout for the nine block of downtown area bounded by University Drive, MLK Drive, Edward Gary Street and Fredericksburg Street. Tasks include:

- Prepare two plan layout alternatives for two-way operation of LBJ and Guadalupe Street and streetscape concepts for the blocks bounded by University Drive, MLK Drive, Edward Gary Street and Fredericksburg Street (completed on April 13th).
- Meet with City to discuss comments and changes.
- Refine plans to respond to City comments.
- Prepare additional plans for continued one-way operation of LBJ and Guadalupe Street.
- 3D renderings of two typical streetscape conditions.

Deliverables (electronic formats) -

- 1) Cross-sections for incorporation into the Transportation Design Manual; and
- 2) Plan of the proposed roadway layouts: One-way and Two-way;

City of San Marcos Downtown Two-Way Conversion Evaluation

Scope of Services

TASK 6 - Economic Analysis of the One-way versus Two-way Operations of Downtown Streets

TXP will prepare an assessment of the Economic Impact of the conversion of Guadalupe Street and LBJ Drive to two-way traffic. The study will evaluate the effects of the conversion, based upon real and anticipated economic benefits, such as reduced vacancy rates, increased retail sales and employment, increased pedestrian activity, and/or increased property tax assessments. While a growing number of communities are opting for two-way traffic in their business districts and there is significant anecdotal evidence that positive changes occur after most street conversions, there has been limited research on actual retail sales and property value increases. In order to put form and structure on the issue, TXP will identify a set of peer communities that have undergone conversion and do "before and after" comparisons, controlling for exogenous variables (business cycles, major redevelopments, etc.).

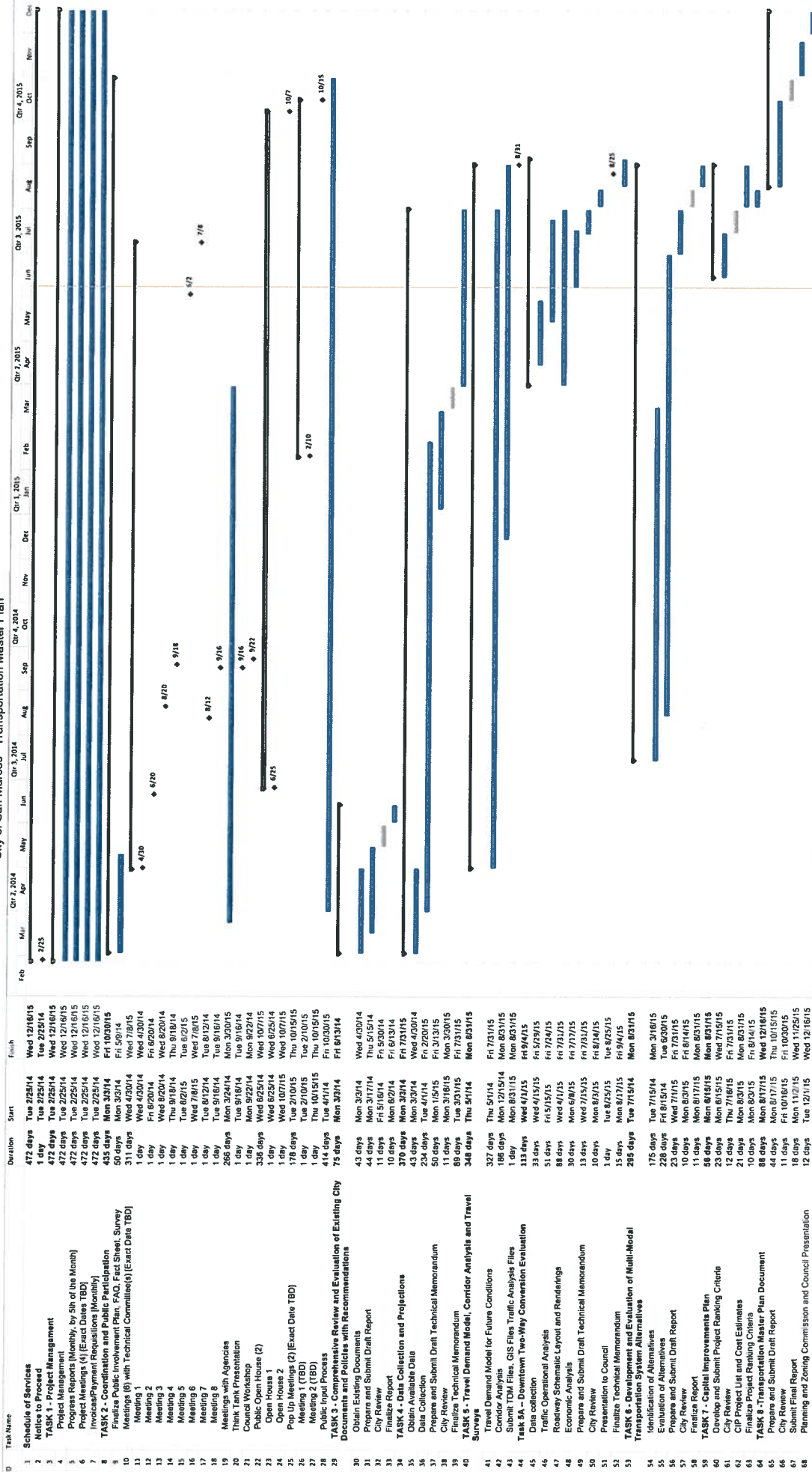
Deliverables – A technical memorandum summarizing the findings of the economic evaluation of the impact of optimized one-way versus two-way operations of downtown streets.

TASK 7 –Documentation

The findings and recommendations of Tasks 1 through 6 will be summarized in a Technical Memorandum. Findings, assumptions, and methodology used in the downtown two-way operational evaluation will be explained and documented in a Draft and Final Downtown Two-Way Conversion Evaluation Technical Memorandum.

Deliverables (electronically in PDF and MS Word format): Draft memo will be submitted to the Project Manager electronically in PDF and MS Word format when completed.

City of San Marcos - Transportation Master Plan



CITY OF SAN MARCOS DOWNTOWN TWO-WAY CONVERSION EVALUATION FEE SCHEDULE

PRIME PROVIDER NAME: HDR ENGINEERING, INC.

PROJECT NAME: CITY OF SAN MARCOS DOWNTOWN OPERATIONS EVALUATION

Provider Name	Project Management	Technical Committee Meetings	Data Collection	Evaluation of Traffic Operations	Development of Cross-Sections and Roadway Layouts	Economic Analysis of the One-way Vs. Two-way Operations of Downtown Streets	Documentation	Direct Expenses	TOTAL COST
HDR Engineering, Inc.	\$460.00	\$3,320.00	\$250.00	\$21,590.00	\$960.00	\$250.00	\$3,970.00	\$582.25	\$31,382.25
TXP	\$0.00	\$550.00	\$0.00	\$0.00	\$0.00	\$19,250.00	\$0.00	\$200.00	\$20,000.00
McCann Adams Studio	\$0.00	\$1,200.00	\$0.00	\$0.00	\$16,460.00	\$0.00	\$1,952.00	\$388.00	\$20,000.00
Gram Traffic Counting, Inc.	\$0.00	\$0.00	\$140.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,477.75	\$3,617.75
Total Lump Sum Fee	\$460.00	\$5,070.00	\$390.00	\$21,590.00	\$17,420.00	\$19,500.00	\$5,922.00	\$4,648.00	\$75,000.00

FEE SCHEDULE

PRIME PROVIDER NAME: HDR ENGINEERING, INC.
CITY OF SAN MARCOS DOWNTOWN TWO-WAY CONVERSION EVALUATION

TASK	TASK DESCRIPTION	PROJECT PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR TRAFFIC ENGINEER	SENIOR ROADWAY ENGINEER	DESIGN ENGINEER	EIT	SENIOR GRAPHICS DESIGNER	CLERICAL	TOTAL LABOR HRS.	TOTAL LABOR COST
1	Project Management										
1.1	Project Meetings		2							2	\$460.00
1.2	Process/Payment Regulations									0	\$0.00
2	Technical Committee Meetings										
2.1	Meetings with Technical Committee and Stakeholders(s)		6			6				12	\$2,130.00
2.2	City Council Meeting(s)	2	3							5	\$1,190.00
2.3	Public Open House									0	\$0.00
3	Data Collection										
3.1	Obtain Available Data									0	\$0.00
3.2	Data Collection					2				2	\$250.00
4	Evaluation of Traffic Operations										
4.1	VISSIM Modeling	1	6			100	60	6		177	\$21,590.00
5	Development of Cross-Sections and Roadway Layouts										
5.1	Cross Sections		1			2				3	\$480.00
5.2	Roadway Layout		1			2				3	\$480.00
6	Economic Analysis of the One-Way versus Two-Way Operations of Downtown Streets										
6.1	Economic Analysis	1								1	\$250.00
7	Documentation										
7.1	Report Preparation	1	4			6	6	6		28	\$3,970.00
	HOURS SUB-TOTALS		28	0	0	120	68	16	0	234	\$30,800.00
	DIRECT LABOR	\$250.00	\$230.00	\$175.00	\$200.00	\$125.00	\$100.00	\$125.00	\$90.00		
	TOTAL LABOR COSTS	\$1,250.00	\$5,750.00	\$0.00	\$0.00	\$15,000.00	\$6,600.00	\$2,000.00	\$0.00		\$30,800.00
	SUBTOTAL										\$30,800.00

Direct Cost	Contract Rate	Unit	Quantity	Amount
Standard Postage	0.45	each		\$0.00
Hazardous Materials Database Search	\$2,000	each		\$0.00
CADD Plotting	\$7.50	LF		\$0.00
Mylar Plots	\$3.00	LF		\$0.00
Digital Ortho Plotting	\$7.50	LF		\$0.00
8 1/2x11" BW Paper Copies	\$0.10	Sheet	300	\$30.00
8 1/2x11" Color Paper Copies	\$1.00	Sheet	75	\$75.00
11"x17" BW Paper Copies	\$0.15	Sheet	175	\$26.25
11"x17" BW Color Copies	\$1.50	Sheet	150	\$225.00
Turning Movement Counts	\$50.00	Hour		\$0.00
Roadway Tube (per counter/24 Hours)	\$130.00	each/day		\$0.00
Mileage	\$0.565	Per Mile	400	\$228.00
SUB-TOTAL DIRECT COST				\$682.25
SUB-TOTAL LABOR				\$30,800.00
TOTAL COST				\$31,382.25

FEE SCHEDULE

PROVIDER NAME: MCCANN ADAMS STUDIO

CITY OF SAN MARCOS DOWNTOWN TWO-WAY CONVERSION EVALUATION

TASK	TASK DESCRIPTION	PRINCIPAL	URBAN DESIGNER	PLANNER	GRAPHICS DESIGNER	TOTAL LABOR HRS.	TOTAL LABOR COST
1	Project Management						
1.1	Project Meetings (2 Meetings)					0	\$0.00
1.2	Invoices/Payment Requisitions					0	\$0.00
2	Technical Committee Meetings						
2.1	Meetings with Technical Committee and Stakeholder(s)	4				4	\$800.00
2.2	City Council Meeting(s)	2				2	\$400.00
2.3	Public Open House					0	\$0.00
3	Data Collection						
3.1	Obtain Available Data					0	\$0.00
3.2	Data Collection					0	\$0.00
4	Evaluation of Traffic Operations						
4.1	VISSIM Modeling						\$0.00
5	Development of Cross-Sections and Roadway Layouts						
5.1	Cross Sections	8	24	0	20	52	\$4,880.00
5.2	Roadway Layout	20	60		40	120	\$11,580.00
6	Economic Analysis of the One-Way versus Two-way Operations of Downtown Streets						
6.1	Economic Analysis					0	\$0.00
7	Documentation						
7.1	Report Preparation	4	0	8	8	20	\$1,952.00
	HOURS SUB-TOTALS	38	84	8	68	198	\$19,612.00
	DIRECT LABOR	\$200.00	\$95.00	\$82.00	\$52.00		
	TOTAL LABOR COSTS	\$7,600.00	\$7,140.00	\$656.00	\$4,216.00		\$19,612.00
	SUBTOTAL						\$19,612.00

Standard Postage	Contract Rate	Unit	Quantity	Amount
Hazardous Materials Database Search	0.45	each		\$0.00
CADD Plotting	\$2,000	each		\$0.00
Minor Plots	\$7.50	LF	40	\$300.00
Online OnSite Plotting	\$3.00	LF		\$0.00
8 1/2x11 BW Paper Copies	\$7.50	LF		\$0.00
8 1/2x11 Color Paper Copies	\$0.10	Sheet	100	\$10.00
11x17 BW Paper Copies	\$1.00	Sheet	78	\$78.00
11x17 BW Color Copies	\$0.15	Sheet		\$0.00
Turnout Movement Counts	\$1.50	Sheet		\$0.00
Roadway Turns (Per counter/24 Hours)	\$50.00	Hour		\$0.00
	\$130.00	each/day		\$0.00
	\$0.965	Per Min	0	\$0.00
SUB-TOTAL DIRECT COST				\$388.00
SUB-TOTAL LABOR				\$19,612.00
TOTAL COST				\$20,000.00

FEE SCHEDULE

PROVIDER NAME: TYP, INC.

CITY OF SAN MARCOS DOWNTOWN TWO-WAY CONVERSION EVALUATION

TASK	TASK DESCRIPTION	PROJECT PRINCIPAL								TOTAL LABOR HRS.	TOTAL LABOR COST
1	Project Management										
1.1	Project Meetings (4 Meetings)									0	\$0.00
1.2	Invoice/Payment Requisitions									0	\$0.00
2	Technical Committee Meetings										
2.1	Meetings with Technical Committee and Stakeholder(s)									0	\$0.00
2.2	City Council Meeting(s)	2								2	\$500.00
2.3	Public Open House									0	\$0.00
3	Data Collection										
3.1	Obtain Available Data									0	\$0.00
3.2	Data Collection									0	\$0.00
4	Evaluation of Traffic Operations										
4.1	VISIM Modeling									0	\$0.00
5	Development of Cross-Sections and Roadway Layouts										
5.1	Cross Sections									0	\$0.00
5.2	Roadway Layout										
6	Economic Analysis of the One-Way versus Two-Way Operations of Downtown Streets										
6.1	Economic Analysis	70								70	\$19,250.00
7	Documentation										
7.1	Report Preparation										
	HOURS SUB TOTALS	72								0	\$0.00
	DIRECT LABOR	\$275.00								0	\$0.00
	TOTAL LABOR COSTS	\$19,800.00									\$19,800.00
	SUBTOTAL										\$19,800.00

Direct Cost	Contract Rate	Unit	Quantity	Amount
Standard Postage	0.45	each		\$0.00
Hazardous Materials Database Search	\$2,000	each		\$0.00
CADD Plotting	\$7.50	LF		\$0.00
Mylar Plots	\$3.00	LF		\$0.00
Digital Ortho Plotting	\$7.50	LF		\$0.00
8 1/2x11" BW Paper Copies	\$0.10	Sheet	322	\$32.20
8 1/2x11" Color Paper Copies	\$1.00	Sheet	100	\$100.00
11x17" BW Paper Copies	\$0.15	Sheet		\$0.00
11x17" BW Color Copies	\$1.50	Sheet		\$0.00
Turnpike Movement Counts	\$50.00	Hour		\$0.00
Roadway Tubes (per counter/24 Hours)	\$130.00	each/day		\$0.00
Meals	\$0.565	Per Mile	120	\$67.800
SUB-TOTAL DIRECT COST				\$200.00
SUB-TOTAL LABOR				\$19,800.00
TOTAL COST				\$20,000.00

FEE SCHEDULE

PROVIDER NAME: GRAM TRAFFIC COUNTING

CITY OF SAN MARCOS DOWNTOWN TWO-WAY CONVERSION EVALUATION

TASK	TASK DESCRIPTION	PROJECT MANAGER	TRAFFIC TECHNICIAN	CLERICAL	GRAPHICS DESIGNER					TOTAL LABOR HRS.	TOTAL LABOR COST
1	Project Management										
1.1	Project Meetings (4 Meetings)									0	\$0.00
1.2	Invoicing/Payment Resolutions									0	\$0.00
2	Technical Committee Meetings										
2.1	Meetings with Technical Committee and Stakeholder(s)									0	\$0.00
2.2	City Council Meeting(s)									0	\$0.00
2.3	Public Open House									0	\$0.00
3	Data Collection										
3.1	Obtain Available Data									0	\$0.00
3.2	Data Collection	1	1							2	\$140.00
4	Evaluation of Traffic Operations										
4.1	VSSIM Modeling									0	\$0.00
6	Development of Cross-Sections and Roadway Layouts										
6.1	Cross Sections									0	\$0.00
6.2	Roadway Layout										
6	Economic Analysis of the One-Way versus Two-way Operations of Downtown Streets										
6.1	Economic Analysis									0	\$0.00
7	Documentation										
7.1	Report Preparation	1	1							0	\$0.00
	HOURS SUB-TOTALS	\$95.00	\$45.00	\$50.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	2	\$140.00
	DIRECT LABOR										
	TOTAL LABOR COSTS	\$95.00	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$140.00
	SUBTOTAL										\$140.00

Direct Cost	Contract Rate	Unit	Quantity	Amount
Standard Postage	0.45	each		\$0.00
Hazardous Materials Database Search	\$2,000	each		\$0.00
CADD Plotting	\$7.50	LF		\$0.00
Arter Plans	\$3.00	LF		\$0.00
Onsite Onsite Plotting	\$7.50	LF		\$0.00
8 1/2x11" BW Paper Copies	\$0.10	Sheet	0	\$0.00
8 1/2x11" Color Paper Copies	\$1.00	Sheet		\$0.00
11x17" BW Paper Copies	\$0.15	Sheet		\$0.00
11x17" BW Color Copies	\$1.50	Sheet		\$0.00
Turnpike Movement Counts	\$50.00	Hour	50	\$2,500.00
Roadway Tube (per counter/24 Hours)	\$130.00	each/day	6	\$780.00
Message	\$0.565	Per Mile	350	\$197.75
SUB-TOTAL DIRECT COST				\$3,477.75
SUB-TOTAL LABOR				\$140.00
TOTAL COST			TOTAL LUMP SUM FEE	\$3,617.75

FEE SCHEDULE

PRIME PROVIDER NAME: HDR ENGINEERING, INC.

CITY OF SAN MARCOS DOWNTOWN TWO-WAY CONVERSION EVALUATION

TASK	TASK DESCRIPTION																			TOTAL LABOR HRS.
1	Project Management																			
1.1	Project Meetings	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
1.2	Invoices/Payment Requests	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Technical Committee Meetings																			
2.1	Meetings with Technical Committee and Stakeholder(s)	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
2.2	City Council Meeting(s)	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
2.3	Public Open House	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Data Collection																			
3.1	Obtain Available Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.2	Data Collection	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
4	Evaluation of Traffic Operations																			
4.1	VISSIM Modeling	1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	177
5	Development of Cross-Sections and Roadway Layouts																			
5.1	Cross Sections	8	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
5.2	Roadway Layout	20	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
6	Economic Analysis of the One-Way versus Two-way Operations of Downtown Streets																			
6.1	Economic Analysis	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
7	Documentation																			
7.1	Report Preparation	5	4	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	49
	HOURS SUB-TOTALS	118	119	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	606

Standard	Direct Cost	Contract Rate	Unit	Quantity
Standard Postage		0.45	each	0
Hazardous Materials Database Search		\$2,000	each	0
CADD Plotting		\$7.50	LF	40
Model Plot		\$3.00	LF	0
Original Cross Section Plotting		\$7.50	LF	0
8 1/2x11 BW Paper Copies		\$0.10	Sheet	722
8 1/2x11 Color Paper Copies		\$1.00	Sheet	253
11x17 BW Paper Copies		\$0.15	Sheet	175
11x17 BW Color Copies		\$1.50	Sheet	150
Instant Movement Counts		\$50.00	Hour	50
Roadway Tube (for counter/24 Hours)		\$130.00	each/day	6
Message		\$0.965	Per Mile	870