



October 6, 2017

Mr. Bill Pedersen, P.E.  
Public Works Director  
City of Deer Park  
710 E. San Augustine  
Deer Park, TX 77536

Re: Engineering Services Proposal for Design Phase – Center St at Railroad Ave  
City of Deer Park, TX

Dear Mr. Pedersen:

We are pleased to present this proposal to provide engineering services for the above referenced project. The scope of work includes two options for providing construction drawings for the implementation of improvements as recommended in the report titled “Traffic Analysis for Center Street at Railroad Avenue, for City of Deer Park, Texas” dated June 2017. This work is negotiated as a **Fixed Fee** proposal.

**SCOPE OF WORK** – The scope of work to be provided by Midtown Engineers is based on the following:

**Option 1:**

Based on the report mentioned above, Alternative 3 consists of a proposed right-turn diverter. The diverter is proposed to be positioned on Railroad Ave. at the approach to Center St. The existing “No Left” turn signs will be replaced with “Right Turn Only” signs. Construction drawings will be provided to the City of Deer Park to be issued for public bid.

**Option 2:**

Based on the report mentioned above, Alternative 4 consists of a proposed directional non-traversable median, with a left turn bay, for the northbound left turn movement on Center Street. This Alternative will require additional pavement on Center Street.

**PHASES** – The services will be divided into the following phases:

**Design Phase:** Provide plans, specifications and estimates in accordance with Deer Park’s Design Criteria.

**Bid Phase:** Provide bid phase services by conducting a pre-bid meeting, preparing addendum as related to the work provided under this proposal, preparing a bid tab and providing recommendation on successful bidder.

**Construction Phase:** Issue 3 full-size sets of “Issued for Construction Drawings” including all RFI’s and clarifications, conduct a Pre-construction meeting, attend bi-weekly meetings (or as needed) to provide assistance in contract document compliance, review and approve shop drawings, review Contractor’s monthly estimate for conformance with work completed, attend a final walk thru, prepare closeout documentation which includes 1 full size set of record drawings and a CD containing the Cad version of same.

**ADDITIONAL SERVICES** – The following additional services are included:

**Option 1:** No additional services are proposed.



**Option 2:** Additional right-of-way is not anticipated for this option. The survey provided by Total Surveyors used for the gateway project at this intersection will be utilized for this option. However, an estimated budget is provided for any additional surveying that may be required for items that have changed since the gateway project.

**SCHEDULE** –These services can be completed within 90 calendar days after receiving NTP.

**BUDGET** – The above services will be invoiced monthly based on a percent complete. A Fee Estimate is included as Attachment A. A Lump Sum amount to perform these services is based on the following tasks:

**Option 1**

Design Phase	\$13,888.00
Bid Phase	\$2,032.00
Construction Phase	<u>\$3,232.00</u>
<b>Total Option 1</b>	<b>\$19,152.00</b>

**Option 2**

Design Phase	\$19,544.00
Bid Phase	\$2,032.00
Construction Phase	\$4,704.00
Additional Services: Surveying (estimated budget)	<u>\$10,000.00</u>
<b>Total Option 2</b>	<b>\$36,280.00</b>

Please call if additional information is required.

Sincerely,

**Midtown Engineers, LLC**

A handwritten signature in blue ink that reads 'Terry L. McDaniel'.

Terry L. McDaniel, P.E.  
Principal

Task	Task Description	No. Sheets	Hours / Sheet	Estimated Hours					Cost	
				Principal QA/QC	Project Manager	Project Engineer	Designer/ Tech	Clerical		
<b>BASIC FEE</b>										
<b>I</b>	<b>OPTION 1 - CENTER STREET AT RAILROAD AVENUE</b>									
	<b>A. Design Phase</b>									
	Title Sheet	1	6.0		2		4		\$ 744.00	
	General Notes	1	6.0			4	2		\$ 752.00	
	Summary of Quantities	1	6.0			4	2		\$ 752.00	
	Layout	1	48.0			24	24		\$ 5,664.00	
	Details	1	8.0			4	4		\$ 944.00	
	Standard Drawings	2	0.5				1		\$ 96.00	
	Construction Estimate					4			\$ 560.00	
	Project Manual & Bid Documents				16	16			\$ 5,120.00	
	<b>Subtotal A. - Design Phase</b>								<b>\$ 13,888.00</b>	
	<b>B. Bid Phase</b>									
	Prebid Meeting				2	4			\$ 920.00	
	Addendum				2	4	2		\$ 1,112.00	
	Bid Tabulation					2			\$ 280.00	
	Successful Bidder Recommendation				4				\$ 720.00	
	<b>Subtotal B. - Bid Phase</b>								<b>\$ 2,032.00</b>	
	<b>C. Construction Phase</b>									
	Review and approve shop drawings				2	8			\$ 1,480.00	
	Preconstruction Meeting				2	2			\$ 640.00	
	Bi-Weekly Progress Meetings (assume 2)				2	2			\$ 640.00	
	Provide Record Drawings					2	2		\$ 472.00	
	<b>Subtotal C. - Construction Phase</b>								<b>\$ 3,232.00</b>	
	<b>Total Hours</b>				0	32	80	41	0	
	<b>Hourly Rate</b>				\$ 180.00	\$ 180.00	\$ 140.00	\$ 96.00	\$ 75.00	
	<b>GRAND TOTAL OPTION 1</b>								<b>\$ 19,152.00</b>	

<b>2</b>	<b>OPTION 2 - CENTER STREET AT RAILROAD AVENUE</b>									
	<b>A. Design Phase</b>									
	Title Sheet	1	6.0		2		4		\$ 744.00	
	General Notes	1	6.0			4	2		\$ 752.00	
	Summary of Quantities	1	10.0			8	2		\$ 1,312.00	
	Layout	2	40.0			40	40		\$ 9,440.00	
	Details	1	16.0			8	8		\$ 1,888.00	
	Standard Drawings	4	0.5				2		\$ 192.00	
	Construction Estimate	2	3.0			6			\$ 840.00	
	Project Manual & Bid Documents				16	16			\$ 5,120.00	
	<b>Subtotal A. - Design Phase</b>								<b>\$ 19,544.00</b>	
	<b>B. Bid Phase</b>									
	Prebid Meeting				2	4			\$ 920.00	
	Addendum				2	4	2		\$ 1,112.00	
	Bid Tabulation					2			\$ 280.00	
	Successful Bidder Recommendation				4				\$ 720.00	
	<b>Subtotal B. - Bid Phase</b>								<b>\$ 2,032.00</b>	
	<b>C. Construction Phase</b>									
	Review and approve shop drawings				2	8			\$ 1,480.00	
	Preconstruction Meeting				2	2			\$ 640.00	
	Bi-Weekly Progress Meetings (assume 4)				4	4			\$ 1,280.00	
	Provide Record Drawings				2	4	4		\$ 1,304.00	
	<b>Subtotal C. - Construction Phase</b>								<b>\$ 4,704.00</b>	
	<b>Total Hours</b>				0	36	110	64	0	
	<b>Hourly Rate</b>				\$ 180.00	\$ 180.00	\$ 140.00	\$ 96.00	\$ 75.00	
	<b>GRAND TOTAL OPTION 2</b>								<b>\$ 26,280.00</b>	