



**CITY COUNCIL MEETING AGENDA**  
**APRIL 10, 2003 MEETING**

**Agenda Item#:** 12

**Department:** Public Works

**Resolution / Ordinance #** \_\_\_\_\_

**Agenda Item:**

Authorize a Design Contract for Relocating Utilities Associated with TXDOT Bridge Replacements.

**RECOMMENDATION:**

- Authorize a design contract for relocation of utilities around the 3<sup>rd</sup> Street Bridge and the Old Thorndale Road Bridge to the firm, Dannenbaum Engineering, Corp., for an amount not to exceed \$16,000.

**DESCRIPTION/JUSTIFICATION:**

Williamson County applied to and received approval from the Texas Department of Transportation (TXDOT) to have bridges on Old Thorndale Road and East 3<sup>rd</sup> Street replaced as part of TXDOT's off-system bridge replacement program. The existing structures are wooden and probably date back to the 1930s. Williamson County is supplying the required local construction match to TXDOT for the bridge projects. Before bridge replacement can begin, the City of Taylor must relocate water and sewer utilities that will be in conflict with the new bridges, obtain the necessary easements and right-of-way, and coordinate the relocation of private utilities. TXDOT is nearly complete with the bridge designs and has scheduled the award of the bridge construction contract for October 2003.

In order to have the City's utilities moved in time for TXDOT's project, staff has requested a proposal for the utility relocation design from Dannenbaum Engineering, Corp. Included in the proposal are surveying and bidding services. It appears that at both bridges, sanitary sewers will have to be relocated onto adjacent private property; therefore preparation of easement exhibits is also included in the proposal.

**FINANCIAL/BUDGET:**

Dannenbaum Engineering proposes to provide these design services for a total of \$13,574.50 (see attached proposal). Staff recommends that \$16,000 be approved for this design contract to cover minor unforeseen change orders. The total estimated cost for design and construction is approximately \$100,000 to \$120,000. Right-of-way and easement acquisition costs are unknown at this time.

The recommended source of funding for this design contract is utility fund operating revenue.

**Department Head:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**City Manager:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**DANNENBAUM ENGINEERING CORPORATION**

3409 EXECUTIVE CENTER DR., SUITE 129 AUSTIN, TEXAS 78731-1619 (512) 345-8505



**SPECIAL DELIVERY**

March 13, 2003

Mr. David Simons  
City of Taylor  
400 Porter Street  
Taylor, TX 76574

**RE: Revised Engineering Services Proposal  
Thorndale and East 3<sup>rd</sup> Street Utility Relocation  
DEC Proposal No. 0039-53**

Dear Mr. Simons,

On behalf of Dannenbaum Engineering Corporation, I am pleased to submit the following revised engineering services proposal. Enclosed for your review and comment is a copy of the engineering services proposal and contract, Standard Form of Agreement between Owner and Engineer for Professional Services.

The proposed engineering services for this contract are to provide construction drawings, technical specification, and contract documents for water and wastewater utility relocations on Thorndale and East 3<sup>rd</sup> Street. The relocations are being required by TxDOT. TxDOT will be replacing the existing bridges on Thorndale and East 3<sup>rd</sup> Street and the existing water and wastewater lines will be in conflict. The engineering services include:

**FINAL DESIGN**

1. Coordinate with the City of Taylor.
2. Coordinate with Texas Department of Transportation.
3. Coordinate with surveyor, Metcalfe & Sanders, Inc.
4. Provide additional topographic survey for location of wastewater manholes and flow lines.
5. Provide utility easement descriptions and surveying for recording.
6. Design waterline relocation. Design to conform to 2002 Master Plan.
7. Design wastewater relocation. Design to conform to 2002 Master Plan.
8. Prepare 22"x34" construction drawings in AutoCAD 2000.
9. Submit five (5) sets of 90% complete construction drawings for review to City of Taylor and Texas Department of Transportation.
10. Prepare Technical Specifications.
11. Prepare Project Manual, including Technical Specifications.
12. Record Drawings

**BIDDING PHASE**

1. Provide fifteen (15) sets of Contract Documents for bidding.
2. Prepare Bid Tab.
3. Prepare Engineer's Recommendation for Award of Contract.

The proposed Final Design fee is \$9,058.00 and the Bid Phase fee is \$ 516.50 for a Total Design Fee of \$9,574.50. A detailed manhour budget is attached for your review.

Mr. Simons  
March 13, 2003  
Page 2 of 2

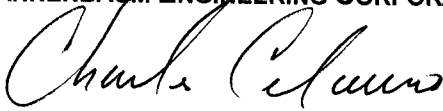
Survey for Topography and Easement Acquisition will also be required. The survey fees for Metcalfe and Sanders is \$4,000.00 and includes topography survey, easement description, and staking the easement. A copy of their proposal is attached for your review.

If this Proposal and Contract meets with the City's approval, Dannenbaum Engineering Corporation can begin work immediately.

If you have any questions regarding the enclosed proposal or contract, please give me a call at (512) 345-8505.

Sincerely,

**DANNENBAUM ENGINEERING CORPORATION**

A handwritten signature in cursive script that reads "Charles Celauro".

Charles Celauro, P.E.

Enclosures (2)

CC: Mary Mazzei

**THORNDALE AND EAST 3RD STREET UTILITY RELOCATION**  
**Project Task Manhour Budget**

<b>Task Description</b>	<b>No. of Sheets</b>	<b>Project Manager</b>	<b>Project Engineer</b>	<b>Technician</b>	<b>Clerical</b>	<b>Total Man-Hours</b>	<b>Total Cost</b>
Billing Rate		120.00	88.00	70.00	45.00		
<b>FINAL DESIGN</b>							
Coordination with Owner		2			1	3	\$285.00
Coordination with TxDOT		1			1	2	\$165.00
Coordination with Surveyors		1	2		1	4	\$341.00
<b>Plans</b>							
Cover Sheet	1		0.5	2		2.5	\$184.00
General Notes	1		1	2	1	4	\$273.00
Thorndale	1		4	12		16	\$1,192.00
East 3rd Street	1		4	12		16	\$1,192.00
Traffic Control Plan	1		1	4		5	\$368.00
Sedimentation/Erosion Control	1		1	4		5	\$368.00
Special Details - Arial Crossing	1		4	12		16	\$1,192.00
Standard Details	1		1	8		9	\$648.00
Contract Documents		2	6		2	10	\$858.00
Quality Assurance/Quality Control		8				8	\$960.00
Record Drawings		1	4	8			\$1,032.00
<b>Sub-Total</b>	<b>8</b>	<b>10</b>	<b>26.5</b>	<b>64</b>	<b>3</b>	<b>91.5</b>	<b>\$9,058.00</b>
<b>BIDDING PHASE</b>							
Letter of Recommendation for Award		0.5			0.5		\$82.50
Bid Tab			0.5		2		\$134.00
Reproduction Cost: Bidding Documents (15 Sets)							\$300.00
<b>Sub-Total</b>							<b>\$516.50</b>

# METCALFE & SANDERS, INC./LAND SURVEYORS

4800 SOUTH CONGRESS  
AUSTIN, TEXAS 78745  
(512) 442-5363

SURVEYS & RECORDS SINCE 1904

March 6, 2003

Mr. Charles Celauro  
Dannenbaum Engineering Corporation  
3409 Executive Center Drive, Suite 129  
Austin, Texas 78731-1619

Via Fax: 512-345-9634

Re: Survey Proposal - Easements and Utilities  
City of Taylor  
Thorndale and 3rd Street Utility Relocation  
DEC Proposal No. 0039-53

Dear Charles:

We have prepared this proposal to provide the information requested in your letter of February 26, 2003. This estimate is based on the assumption that there is both vertical and horizontal TXDOT control in the area of the proposed work.

This work will include determining the location and flowlines of the six manholes near 3rd Street; determining the location and flowlines of the three manholes near Thorndale Street; preparing a wastewater easement at Thorndale Street; and preparing two wastewater easements at 3rd Street. We have assumed that the City of Taylor will acquire the right-of-entry for our crews being on the property impacted by this proposal.

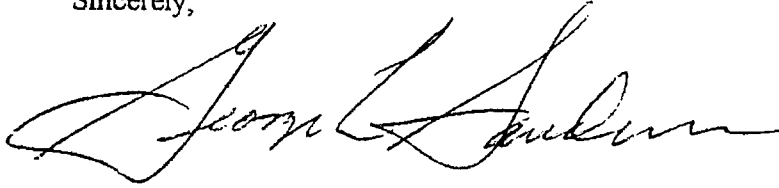
The elevation data will be provided in letter form with sufficient information to place the data in your data base. The metes and bounds description and sketches will be provided on letter size sheets for use in preparing easement documents and will also be provided on disc for placing in your data file.

The estimated cost for providing the flow line elevations and the three easement surveys is \$4000, plus invoices at cost. We will need a tax exempt certificate to keep from placing sales tax on the easement surveys. We can begin work on the survey within one (1) week after receiving written authorization to proceed. We have prepared this proposal with the idea that there may be several trips made to the site to complete the work. Once the field work is complete it will take two weeks to prepare the metes and bounds descriptions and the accompanying sketches.

All work will be billed hourly as per the attached Rate Schedule. If you have any questions or need additional information, please call. We look forward to working with you on this project.

Taylor Proposal, Pg. 2

Sincerely,



George L. Sanders

\_\_\_\_\_  
Authorized By:

\_\_\_\_\_  
Date:

GLS:gs  
Encl.

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METCALFE & SANDERS, INC., LAND SURVEYORS

RATE SCHEDULE

Office Work

Registered Surveyor	\$75/hour
Office Principal	\$65/hour
Office Assistant 1	\$50/hour
Office Assistant 2	\$45/hour
Office Assistant 3	\$30/hour

Field Work

2 Man Field Party (Registered Surveyor)	\$100/hour
2 Man Field Party (Party Chief)	\$90/hour
3 Man Field Party (Registered Surveyor)	\$120/hour
3 Man Field Party (Party Chief)	\$110/hour
4 Man Field Party (Registered Surveyor)	\$140/hour
4 Man Field Party (Party Chief)	\$130/hour

Expert Witness Testimony

Depositions and Court Testimony (Registered Surveyor)	\$100/hour
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Invoices at Cost

Note: Sales tax on boundary surveys is charged at 8.25%