RECEIVED
JAN 08 2010
BY: PSI

Project Name: O'Connor Ext.
RM 620 - SH 45

CONTRACT FOR ENGINEERING SERVICES
SUPPLEMENTAL AGREEMENT NO. 3
TO THE PROFESSIONAL SERVICES AGREEMENT

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

THIS SUPPLEMENTAL AGREEMENT to contract for engineering services is by and between Williamson County, Texas, a political subdivision of the State of Texas, *(the "County")* and Klotz Associates, Inc *(the "Engineer")* and becomes effective when fully executed by both parties.

WHEREAS, the *County* and the *Engineer* executed a contract on 06/09/2009;

WHEREAS, the not-to-exceed fee in Exhibit 1, Section 1, Item the agreement to $ 900,000.00; and,

WHEREAS, the ***"Compensation Cap"*** in Exhibit 1, Section 4, Item 4.3 limits the maximum amount payable under the agreement to $ 900,000.00; and,

WHEREAS, the Hourly Rates in Exhibit II are limited to the rates noted; and,

WHEREAS, it has become necessary to amend the agreement.

AGREEMENT

NOW, THEREFORE, premises considered, the *County* and the *Engineer* agree that said contract is amended as follows:

I. The not-to-exceed fee in Exhibit 1, Section 1, Item 1. I is hereby increased from $ 900,000.00 to $ 975,000.00 .
II. The Compensation Cap in Exhibit 1, Section 4, Item 4.3 is hereby increased from $ 900,000.00 to $ 975,000.00 .
III. The hourly Rates in the original Exhibit II are hereby amended as shown in the attached revised Exhibit II.

All other provisions are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, the ***County*** and the ***Engineer*** have executed this supplemental agreement in duplicate,

ENGINEER:
By: _____
Signature

Crespin (Cres) Guzman, PE
Printed Name

Regional Manager - Austin
Title

1/5/10
Date

COUNTY:
By: _____
Signature

_____
Printed Name

_____
Title

1-14-2010
Date

OK
1/6/10

Project Name: O'Connor Ext.
RM620 - SH45

ATTACHMENT A

WORK AUTHORIZATION NO. 4

This Work Authorization is made pursuant to the terms and conditions of the Agreement entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (*the "County"*) and Klotz Associates, Inc (*the "Engineer"*).

Part1. The ***Engineer*** will provide the following engineering services:

Provide plans specifications and estimates for intersection improvements. Provide engineering services to upgrade the intersections of O'Connor Boulevard at RM 620 and Great Oaks Drive at RM 620.

Part 2. The maximum amount payable for services under this Work Authorization without modification is $98,000.00.

Part 3. Payment to the ***Engineer*** for the services established under this Work Authorization shall be made in accordance with the Agreement.

Part 4. This Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on September 31, 2010, unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

Project Name:_____

ATTACHMENT A (con't.)

Part 6. This Work Authorization is hereby accepted and acknowledged below.

ENGINEER:	COUNTY: Williamson County, Texas
By:_____ Signature	By:_____ Signature
Crespin (Cres) Guzman, PE Printed Name	Dan A. Gattis Printed Name
Regional Manager – Austin Title	County Judge Title
1/5/10 Date	_____ Date

LIST OF EXHIBITS

OK 1/4/10

Exhibit A - Services to be Provided by County

Exhibit B - Services to be Provided by Engineer

Exhibit C - Work Schedule

Exhibit D - Fee Schedule *(based on approved rates in PSA Exhibit H executed by Commissioners Court action)*

EXHIBIT B

SERVICES TO BE PROVIDED BY ENGINEER
KLOTZ ASSOCIATES, INC.
Work Authorization #4

ROAD BOND PROGRAM – RM 620 INTERSECTION IMPROVEMENTS
WILLIAMSON COUNTY, TEXAS

Work to be performed by the ENGINEER under this Work Authorization #4 consists of providing engineering services to upgrade the intersections of O'Connor Boulevard and RM 620 and Great Oaks Drive and RM 620. ***The scope of services includes upgrades to the west side of the intersections only, and does not include improvements to RM 620.***

SURVEYING (TxDOT Function Code 150)

Surveying Services. The ENGINEER shall coordinate with the survey subconsultant to obtain the needed survey data. *See Attached Scope of Services from Inland Geodetics.*

The following work will be performed for O'Connor Boulevard @ RM 620 and Great Oaks Drive @ RM 620;

The ENGINEER will prepare intersection improvements, including collecting traffic data for turning movements, adding left- and right-turn lanes as needed, and revising the intersection layouts, drainage, modifying traffic signals, determining additional right-of-way needs, signing and pavement marking, utility coordination as required to determine any adjustments that may be needed, and bidding support.

INTERSECTION ANALYSIS

A. **Traffic Counts:** The ENGINEER will obtain turning movement counts at the two intersections. This data will be utilized to determine proposed lane configurations at the intersections.
B. **Data Collection:** The ENGINEER will coordinate with TxDOT, Williamson County and other Engineering Firms to obtain proposed roadway improvements.
C. **Analysis:** The ENGINEER will utilize the traffic counts and data collected to provide the recommended approach lanes at each intersection.

RIGHT OF WAY DATA (TxDOT Function Code 130)

The ENGINEER will prepare utility tracking report and coordinate to identify utility conflicts and any necessary adjustments required. The ENGINEER (or its subconsultant) will tie down the existing Right Of Way. *See Attached Scope of Services from Inland Geodetics.* ***This scope of services does not include preparing new right of way mapping.***

ROADWAY DESIGN (TxDOT Function Code 160)

A. **Conceptual Layouts:** The ENGINEER will prepare conceptual layouts for the proposed improvements at each intersection.

B. **Typical Sections:** The ENGINEER will prepare existing and proposed typical sections for each intersection to show the improvements. Typical sections shall include width of travel lanes, shoulders, outer separations, border widths, curb offsets, managed lanes, and ROW. The typical section shall also include PGL, centerline, pavement design, longitudinal joints, side slopes, sodding/seeding limits, sidewalks, if required, station limits, common proposed/existing structures including retaining walls, riprap, limits of embankment and excavation, etc.

C. **Intersection Layout/Grading Plans:** The ENGINEER shall provide an intersection layout detailing the pavement design and drainage design at the intersection of each cross street. The layout shall include the lane configuration, curb returns, geometrics, transition length, stationing, pavement and drainage details. The ENGINEER shall design for full pavement width to the ROW and provide a transition to the existing roadway.

D. **ADA Requirements:** The ENGINEER will review the intersections for adherence to ADA requirements and will prepare designs to meet ADA requirements.

E. **Design Cross Sections/Cut and Fill Quantities.** The ENGINEER shall determine cut and fill quantities and provide final design cross sections at 50 feet intervals. Annotation shall include at a minimum existing/proposed right of way, side slopes (front and back), profiles, etc. Cross sections shall be delivered in standard GEOPAK format on 11"x17" sheets and electronic files. The ENGINEER shall provide all criteria and input files used to generate the design cross sections. Cross sections and quantities shall consider existing pavement removals.

F. **Storm Water Pollution Prevention Plans (SW3P).** An SW3P shall be developed on separate sheets from (but in conformance with) the TCP, to minimize potential impact to receiving waterways. The SW3P shall include text describing the plan, quantities, type, phase and locations of erosion control devices and any required permanent erosion control measures.

G. **Water Quality.** The ENGINEER will determine the requirements needed for water quality. At this time, a WPAP is not anticipated to be required for the improvements. ***This scope of work does not include preparation of a WPAP. If a WPAP is needed, this work will be performed through a supplemental agreement.***

DRAINAGE DESIGN **(Function Code 161)** The ENGINEER shall design the drainage according to the TxDOT Hydraulic design criteria, the TxDOT Drainage Design Manual, and project specific design criteria shown in the DSR.

A. **Drainage Plan and Profile.** The engineer will prepare a drainage plan and profile sheet for each intersection.

B. **Drainage Calculations.** The ENGINEER will prepare hydrologic and hydraulic computations for all storm sewer inlets, laterals, and trunk lines. The designs will be in accordance with the TxDOT Hydraulic Design Manual and Williamson County drainage criteria. The Williamson County criteria will be used where it provides detailed local criteria and required analysis methodology.

SIGNING, MARKINGS & SIGNALIZATION (Function Code 162)

A. **Signing and Marking Layout** – The ENGINEER will design signing and pavement marking and prepare plan sheets in accordance with TxMUTCD. The ENGINEER shall detail all non-standard signs or marking details required for the project. TxDOT standards shall be utilized whenever possible. This work will include preparing sign detail sheets and sign summary sheets.

B. Traffic Signals:

a. **Plan Sheets** - The ENGINEER shall modify the traffic signal layouts for O'Connor Boulevard at RM 620 and Great Oaks Drive at RM 620. The layouts shall include existing traffic control that will remain (signs and markings), existing utilities, proposed roadway improvements, proposed installation, proposed additional traffic controls, and if required, proposed illumination.
b. **Elevation Sheets** - The ENGINEER shall develop an elevation sheet showing the vertical clearance required for span wire modification design on the signal plans.
c. **Phase Sequence Diagrams** - The ENGINEER shall modify the phase sequence diagrams that will include signal locations, signal indication, phase diagram, signal sequence table, flashing operation (normal to emergency), preemption operation (when applicable), interval timing, cycle length and offset.
d. **Signal Standards/Detail Sheets** - The Engineer shall use TxDOT standard sheets and TxDOT Austin detail sheets for construction details including poles, detectors, pull box and conduit layout, and controller foundation standard sheet.
e. **Utility Coordination** - The ENGINEER shall coordinate with the OWNER in identifying power sources, conduit runs, and will show them on the project plans. The ENGINEER shall identify the potential overhead utility conflicts, and coordinate with the OWNER and the utility company to help resolve the conflicts.
f. **Governing Specifications** - The ENGINEER shall use TxDOT Austin District specifications and provisions required for the traffic signal modification.

MISCELLANEOUS (Function Code 163)

1. **Title Sheet and Index of Sheets.** The ENGINEER will prepare a title sheet and Index of Sheets in accordance with Williamson County and TxDOT standards.
2. **Construction Schedule.** The ENGINEER shall prepare a construction schedule, which will identify the major items of construction work. The schedule will be utilized in determination of overall construction duration. A construction schedule shall be submitted with the 100% plans.
3. **Compute and Tabulate Quantities.** The ENGINEER shall compute all quantities that are required for pay items, and those quantities identified by the OWNER as necessary for inclusion for contractor's information only. The ENGINEER will prepare quantities summary sheets for each category: roadway, traffic control, drainage, SW3P, signing and pavement markings.
4. **Specifications and General Notes.** The OWNER shall furnish an electronic listing of the current general notes, standard specifications, and special specifications that will be utilized for the project. The ENGINEER will prepare any special specifications and will work with the OWNER to identify the applicable general notes.
5. **Agreements & Permits.** With direction and coordination provided by the OWNER, the ENGINEER shall be responsible for securing necessary agreements and or permits pertaining to the traffic signals as necessary. ***The ENGINEER will not be responsible for design and construction permits from TxDOT.***

PROJECT MANAGEMENT (TxDOT Function Code 164)

The ENGINEER will coordinate with the Client and TxDOT and prepare weekly progress reports.

PLAN PREPARATION

The ENGINEER shall prepare roadway plans, profiles and typical sections for the proposed improvements. The roadway plans shall be organized in the sequence as described in the TxDOT PS&E Preparation Manual. The following plans sheets shall be included:

1. Title Sheet
2. Project Layout
3. Survey Data
4. Typical Sections
5. General Notes
6. Quantity Sheets
7. Traffic Control & Construction Sequence
8. Traffic Control Standards & Details
9. Intersection Layouts
10. Roadway Standards & Details

11. Drainage Plans/Standards & Details
12. Utility Plan/Standards & Details
13. Traffic Signal Modifications
14. Traffic Signal Standards & Details
15. Pavement Markings and Signing Plans
16. Pavement Markings and Signing Standards & Details
17. Erosion Control/Erosion Control Standards & Details
18. Cross Sections
19. Other (as may be needed)

BIDDING PHASE

The ENGINEER will assist the Client with bidding phase services. The ENGINEER will prepare a project manual for bidding, attend a pre-bid meeting, respond to bidder's questions as well as prepare and distribute project addenda during bid period. The ENGINEER will furnish construction plans and project manual to contractors, maintain the planholders list and attend the bid opening conference.

DELIVERABLES

Deliverable Requirements:

1. All contract documents, including hard copies and electronic files, shall be turned over to the OWNER at the completion of the project. Contract documents shall be posted to the OWNER'S Internet project management database (if utilized) as requested.
2. A 30%, 60%, 90% and 100% (Final) design submittal shall be included. The project construction manual shall be included with the 90% and 100% submittals, and furnished as part of the bid documents.
3. The conceptual layout for each intersection shall be submitted for the 30% design.
4. Engineer's Estimated Probable Cost of Construction shall be furnished at the 60%, 90% and 100% submittals. The estimated construction schedule shall be prepared and submitted at the 90% and 100% (Final) submittals.
5. Design schedule shall be updated and furnished with each review submittal.
6. Plans shall be developed to full-scale on 11"x17" sheets.

EXHIBIT B-1

RESPONSIBILITIES OF THE SURVEYOR

The Surveyor shall provide design surveying services for Intersection Improvement Project at Great Oaks Trail and O'Connor Blvd. with RM 620, Williamson County, TX and is limited as described below:

The project corridor limits will be from ROW to ROW and shall extend for 300 feet along RM 620 in each direction (E-W) from the above intersections thereof. Great Oaks Trail will be surveyed up to and including the first cross over north and south of RM 620. O'Connor Blvd. will be surveyed up to and including the first cross-over north of RM 620.

Field Surveying

1. **Right-Of-Entry**

   A. The Surveyor understands that Right of Entry (ROE) will likely not be needed for the project area. Inland will determine if possible areas of the project that may need ROE and take appropriate action to secure permission for access. Contact logs for ROE will be kept and forwarded to the client for their records. Should ROE be unattainable, Inland will notify the client as such for further direction.

Design and ROW Surveys

A. The surveyor shall locate visible utilities within the project limits.
B. The Surveyor shall generate, recover, and/or verify existing horizontal and vertical project primary control at the site, if any, and reconcile the control to known existing intersecting projects. This control is assumed to be established by other surveyors and employed for surrounding projects.
C. The Surveyor shall establish or densify additional secondary control as needed for the project to collect data along the length of the project.
D. The Surveyor shall, at their discretion, use 5/8" iron rods with distinguishing caps, cotton spindles (paved areas) or other durable entities for the project control as applicable.
E. The Surveyor shall perform differential leveling through all of the project control (primary and secondary) to establish or extend vertical control for the project.
F. The Surveyor shall perform a topographic/design survey within the project limits. The topographic/design data collection will be at approximately 50 foot intervals (or less depending on features) for the project area. NOTE: The surveyor can, at their discretion, make adjustments to data interval with regards to safety considerations. The survey includes, but is not necessarily limited to: roadway, ditches, major grade breaks, culverts, culvert types and sizes, metal beam guard fence, fences, driveways, traffic signal boxes, mailboxes, traffic and other signs, mailbox turnouts, striping, and visible above ground utilities.
G. The Surveyor shall survey all hydraulic structures within limits. NOTE: silted structures will be surveyed to the limit of reasonable data acquisition and will reflect the existing condition of the structure. This may mean that flow lines of the structure may be determined from secondary measurements taken on the structure (such as Soffit elev.) using record box dimensions. Should additional excavation to obtain the flowline information be requested, this may be cause to seek additional services and/or fees to this proposal.
H. The Surveyor shall establish locations for each tree that is 8 inches in diameter and larger, and shall note the size and species. This task will include locating ornamental landscaping trees (ID optional).

I. The Surveyor shall provide digital photographs of each end of all cross road drainage structures located within the project limits.
J. The Surveyor shall locate up to eight (8) core locations at a time specified by the client.
K. The Surveyor shall notify the Texas "One Call" system for utility owner locates of their existing facilities. The Surveyor will log any contacts with utility representatives. NOTE: This task has become increasingly difficult to coordinate and manage, therefore, reasonable attempts during the time frame of the data gathering will be made to include the owner markings into the deliverable files. The client will be notified of any issues regarding this matter for further direction.
L. The Surveyor shall process the collected information into a 1 foot contour DTM file.
M. The Surveyor shall search for and locate right-of-way monumentation and other evidence (if any) to reestablish the existing right-of-way lines for intersecting roads.

DELIVERABLES

The Surveyor shall provide:

A. 2D MicroStation V8 planimetric file.
B. 3D MicroStation V8 DTM file including break-lines and 1 foot contours.
C. Geopak DTM (tin) file.
D. ASCII point file.
E. Control drawings of the primary control and secondary control (including datum and scale factor information).
F. Two CD-ROM containing the specified.
G. PDF file of each Surveyor's project fieldbook.

ASSUMPTIONS

The Surveyor shall notify the client prior to performing the work if:

A. Sufficient right-of-way monumentation can not be found to re-establish the existing alignments and associated right-of-way lines along the project corridor. That sufficient evidence for boundary corners of affected properties can be recovered and utilized for boundary line reconstruction.
B. Traffic Control can not be managed by the Surveyor's personnel.
C. The work is delayed due to weather or other circumstances beyond the Surveyor's direct control.
D. Existing Project Control cannot be recovered or verified.

Tue 1/5/10

Exhibit C
Master Schedule
Williamson County
RM 620 Intersection Improvements

klotz associates
901 South MoPac Expressway
Building V, Suite 220
Austin, Texas 78746
T 512.328.5771 F 512.328.5774
austin.office@klotz.com

ID	Task Name	Work Days	Start	Finish
1	Notice to Proceed	0 days	Mon 1/18/10	Mon 1/18/10
2	Work Authorization #1	0 days	Mon 1/18/10	Mon 1/18/10
3	Design Survey	10 days	Mon 1/18/10	Fri 1/29/10
6	PS&E Development	107 days	Mon 1/18/10	Tue 6/15/10
7	Project Meeting & Kick-off	1 day	Mon 1/18/10	Mon 1/18/10
8	Options Analysis / Conceptual Layout	10 days	Mon 1/18/10	Fri 1/29/10
9	Conceptual Layout Submittal to Wilco	1 day	Mon 2/1/10	Mon 2/1/10
10	60% PS&E Development	20 days	Mon 2/1/10	Fri 2/26/10
11	60% PS&E Submittal	0 days	Fri 2/26/10	Fri 2/26/10
12	60% PS&E Wilco Review	10 days	Mon 3/1/10	Fri 3/12/10
13	60% PS&E TxDOT Review	10 days	Mon 3/1/10	Fri 3/12/10
14	60% PS&E Review Meeting	1 day	Mon 3/15/10	Mon 3/15/10
15	90% PS&E Development	10 days	Tue 3/16/10	Mon 3/29/10
16	90% PS&E Submittal	0 days	Mon 3/29/10	Mon 3/29/10
17	90% PS&E Wilco Review	10 days	Tue 3/30/10	Mon 4/12/10
18	90% PS&E TxDOT Review	10 days	Tue 4/13/10	Mon 4/26/10
19	100% PS&E Development	10 days	Tue 4/27/10	Mon 5/10/10
20	100% PS&E Submittal	0 days	Mon 5/10/10	Mon 5/10/10
21	100% PS&E Wilco Review	10 days	Tue 5/11/10	Mon 5/24/10
22	100% PS&E TxDOT Review	10 days	Tue 5/25/10	Mon 6/7/10
23	Final Revisions	5 days	Tue 6/8/10	Mon 6/14/10
24	Final PS&E Submittal	0 days	Mon 6/14/10	Mon 6/14/10
25	Public Hearing	1 day	Tue 6/15/10	Tue 6/15/10
26	Utility Coordination	117 days	Mon 2/1/10	Tue 7/13/10
34	Bid Phase	7 days	Wed 9/8/10	Thu 9/16/10
37	Construction Phase (TBD)	0 days	Thu 9/30/10	Thu 9/30/10

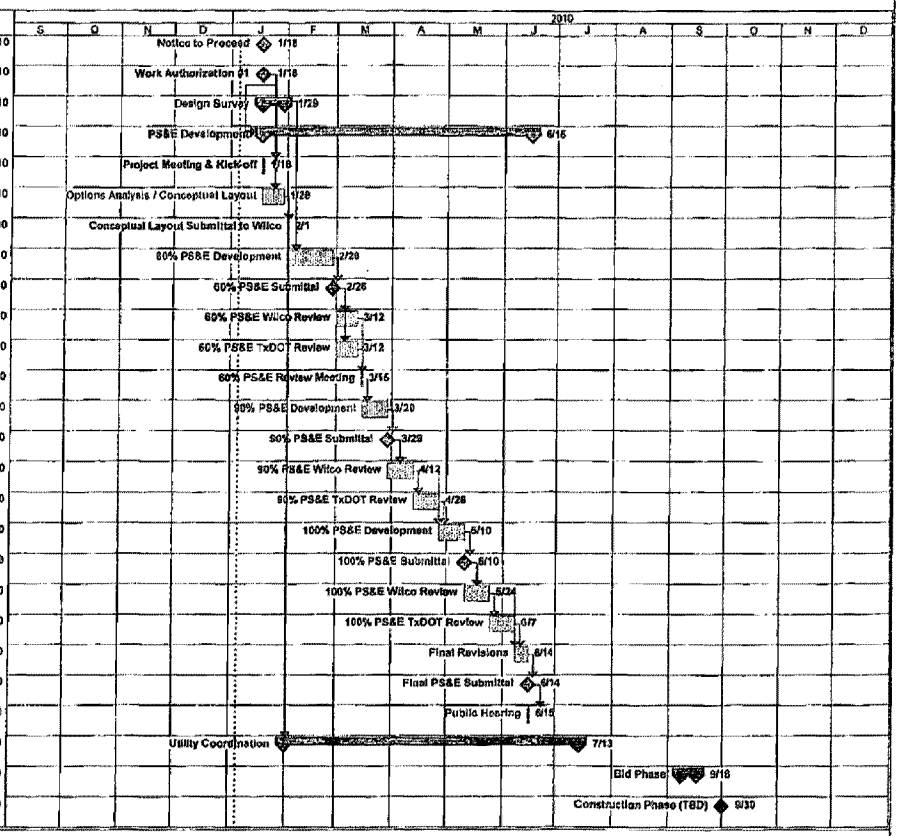

EXHIBIT D

12/29/2009

FEE SCHEDULE - PS&E DESIGN
PROJECT NAME: RM 620 INTERSECTION DISPROVEMENTS
COUNTY NAME: WILLIAMSON COUNTY
PROVIDER NAME: KLOTZ ASSOCIATES, INC

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 3	GRADUATE ENGINEER 2	CADD TECH	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
ROW/ROW SURVEY DATA (PC 100)											
REVIEW ROW AND CONSTR. EASEMENT NEEDS	0	0	0	2	1	0	1	0	4	N/A	N/A
PREPARE UTILITY LAYOUTS	0	1	0	2	5	0	4	0	12	N/A	N/A
IDENTIFY UTILITY / PREPARE TRACKING REPORT	0	2	0	2	0	2	2	0	8	N/A	N/A
UTILITY COORDINATION	0	1	1	0	5	0	0	3	10	N/A	N/A
DETERMINE UTILITY ADJUSTMENTS	0	4	0	0	4	0	4	2	14	N/A	N/A
HOURS SUB-TOTALS	0	8	1	6	15	2	11	6	48	0	
LABOR RATE PER HOUR	$250.00	$190.00	$160.00	$140.00	$120.00	$95.00	$80.00	$85.00			
SUBTOTAL (PC 100)	$0.00	$1,520.00	$160.00	$840.00	$1,800.00	$190.00	$880.00	$510.00	$5,040.00		

SURVEYING AND PHOTOGRAMMETRY (PC 200)	N/A										
COORDINATION WITH SURVEYOR	0	1	0	2	2	0	1	0	6	N/A	N/A
HOURS SUB-TOTALS	0	1	0	2	2	0	1	0	6		
LABOR RATE PER HOUR	$250.00	$215.00	$160.00	$140.00	$120.00	$100.00	$85.00	$85.00			
SUBTOTAL (PC 182)	$0.00	$215.00	$0.00	$280.00	$240.00	$0.00	$85.00	$0.00	$820.00		

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 3	GRADUATE ENGINEER 2	CADD TECH	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
ROADWAY DESIGN (DISTRICT) (PC 400)											
CONCEPTUAL LAYOUT	0	1	4	4	8	0	9	0	26	2	12
EXISTING / PROPOSED TYPICAL SECTIONS	0	1	3	4	4	0	4	0	16	2	8
PROPOSED PROJECT LAYOUT (1" = 200')	0	1	1	2	0	0	4	0	8	1	8
INTERSECTION LAYOUTS (SCALE: H (1"=50')	1	0	2	8	5	0	8	0	24	2	12
EARTHWORK CROSS SECTIONS	0	2	2	6	10	0	8	0	28	2	14
HOURS SUB-TOTALS	1	5	12	24	25	0	33	0	108	7	14.3
LABOR RATE PER HOUR	$250.00	$215.00	$160.00	$140.00	$120.00	$100.00	$85.00	$85.00			
SUBTOTAL (PC 400)	$250.00	$1,075.00	$1,920.00	$3,360.00	$3,000.00	$0.00	$2,805.00	$0.00	$12,410.00		

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 3	GRADUATE ENGINEER 2	CADD TECH	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
DRAINAGE (PC 161)											
DRAINAGE AREA MAPS (Horz. - 1" = 100')	0	0	2	2	4	0	6	0	14	1	14
DRAINAGE PLAN / PROFILE	0	2	4	6	6	0	10	0	32	2	16
DRAINAGE CALCULATION SHEETS	0	1	2	4	6	0	4	0	17	2	9
STORM WATER POLLUTION PLANS	0	1	2	2	4	0	3	0	14	2	7
HOURS SUB-TOTALS	0	4	10	16	22	0	25	0	77	7	11.0
LABOR RATE PER HOUR	$250.00	$213.00	$150.00	$140.00	$120.00	$100.00	$85.00	$85.00			
SUBTOTAL (PC 161)	$0.00	$900.00	$1,500.00	$2,240.00	$2,640.00	$0.00	$2,125.00	$0.00	$9,403.00		

EXHIBIT D

12/29/2009

FEE SCHEDULE - PS&E DESIGN
PROJECT NAME: RM 620 INTERSECTION IMPROVEMENTS
COUNTY NAME: WILLIAMSON COUNTY
PROVIDER NAME: KLOTZ ASSOCIATES, INC

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 3	GRADUATE ENGINEER 2	CADD TECH	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
TRAFFIC SIGNALS											
TRAFFIC STUDY TO DETERMINE APPROACH LANES	1	2	10	14	12	0	10	2	51	N/A	N/A
TRAFFIC SIGNAL MODIFICATIONS	1	4	10	10	30	9	30	0	95	6	14
SIGNING AND STRIPING LAYOUTS (1"=100')	0	1	2	8	5	0	8	0	24	2	12
SUMMARY OF SMALL SIGNS	0	0	1	2	0	0	3	0	6	1	6
HOURS SUB-TOTALS	2	7	23	34	47	9	51	2	185	9	18
LABOR RATE PER HOUR	$250.00	$215.00	$160.00	$140.00	$120.00	$100.00	$65.00	$65.00			
SUBTOTAL (PC 162)	$500.00	$1,505.00	$3,680.00	$4,760.00	$5,640.00	$0.00	$3,315.00	$130.00	$20,330.00		

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 3	GRADUATE ENGINEER 2	CADD TECH	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
TITLE SHEET/INDEX SHEET	0	0	1	1	2	0	4	0	8	1	8
GENERAL NOTES AND SPECIAL SPECIFICATIONS	0	1	1	6	0	0	2	0	10	2	5
CONSTRUCTION COST ESTIMATES (60%, 90%, 100%)	1	2	4	5	12	0	0	0	24	N/A	N/A
CONSTRUCTION SCHEDULE	0	1	2	0	0	0	0	0	11	N/A	N/A
STANDARDS (20 SHEETS) AND CONSTRUCTION DETAILS	0	1	2	2	0	0	8	0	10	20	1
TRAFFIC CONTROL PLAN	1	2	4	8	20	10	24	0	69	6	12
HOURS SUB-TOTALS	2	7	14	24	54	10	32	0	140	29	3
LABOR RATE PER HOUR	$250.00	$215.00	$160.00	$140.00	$120.00	$100.00	$65.00	$65.00			
SUBTOTAL (PC 163)	$500.00	$1,505.00	$2,240.00	$3,360.00	$6,480.00	$1,000.00	$2,080.00	$0.00	$16,715.00		

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 2	GRADUATE ENGINEER 1	CADD TECH	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
COORDINATION MTGS WITH WILCO AND GEC	0	8	4	4	0	0	0	4	20	N/A	N/A
PREPARE MONTHLY PROGRESS REPORTS	0	2	0	0	4	4	0	0	10	N/A	N/A
MAINTAIN DESIGN SCHEDULE	0	1	0	0	1	6	0	0	8	N/A	N/A
HOURS SUB-TOTALS	0	11	4	4	5	10	0	4	38	0	
LABOR RATE PER HOUR	$250.00	$195.00	$160.00	$140.00	$120.00	$85.00	$80.00	$65.00			
SUBTOTAL (PC 164)	$0.00	$2,145.00	$720.00	$560.00	$600.00	$850.00	$0.00	$260.00	$5,235.00		

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 3	GRADUATE ENGINEER 2	CADD TECH	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS	LABOR HRS PER SHEET
PREPARE DOCUMENTS INCLUDING PROJECT MANUAL FOR BIDDING	1	2	4	5	16	0	0	4	32	N/A	N/A
ATTEND PRE-BID MEETING AND FURNISH DOCUMENTS	0	2	0	2	0	0	0	2	6	N/A	N/A
RESPOND TO BIDDER QUESTIONS	0	1	2	4	6	0	0	4	17	N/A	N/A
ANALYZE AND TABULATE BIDS, CHECK INFO, RECOMM AWARD	1	1	2	2	0	0	0	1	7	N/A	N/A
HOURS SUB-TOTALS	2	6	8	13	22	0	0	11	62		
LABOR RATE PER HOUR	$250.00	$215.00	$160.00	$140.00	$120.00	$100.00	$65.00	$65.00			
SUBTOTAL (Bidding)	$500.00	$1,290.00	$1,280.00	$1,820.00	$2,640.00	$0.00	$0.00	$715.00	$8,245.00		

EXHIBIT D

12/29/2009

FEE SCHEDULE - PS&E DESIGN
PROJECT NAME: RM 620 INTERSECTION IMPROVEMENTS
COUNTY NAME: WILLIAMSON COUNTY
PROVIDER NAME: KLOTZ ASSOCIATES, INC

DESCRIPTION									TOTAL COSTS BY FC	NO OF DWGS
RIGHT OF WAY DATA (FC 130)									$5,940.00	0
SURVEY AND PHOTOGRAMMETRY (FC1 50)									$920.00	N/A
ROADWAY DESIGN CONTROLS (FC 160)									$12,410.00	7
DRAINAGE (FC 161)									$9,465.00	7
SIGNING, PVMT. MARK., & SIGNALS (FC 162)									$30,550.00	9
MISCELLANEOUS (ROADWAY) (FC 163)									$18,315.00	29
PROJECT MANAGEMENT (FC 164)									$5,235.00	N/A
BIDDING PHASE SERVICES									$2,345.00	N/A
SUBTOTAL LABOR EXPENSES									$86,380.00	52
DIRECT EXPENSES										
MILEAGE ($0.500 per mile) (IRS rate per mile as of 01/01/2010)	500								$250.00	
ROLL PLOTS ($5.00 per foot)	5								$25.00	
PLOTS (11" x17" @ $1.00 per plot)	336								$336.00	
MYLAR (11"x17" @ $5.00 per sheet)	56								$280.00	
PHOTO COPIES @ 1/2" x 11" @ $0.10 per copy)	300								$30.00	
PHOTO COPIES (11" x 17" @ $0.15 per copy)	1,200								$180.00	
DELIVERIES ($25.00 per delivery)	5								$125.00	
ADA ASSESSMENT	1								$950.00	
MISCELLANEOUS	1								$160.00	
SUBTOTAL DIRECT EXPENSES									$2,335.00	
KLOTZ TOTAL									$83,215.00	
SUBCONTRACTS										
SURVEYING (FC 150) - INLAND GEODETICS									$13,784.00	
TRAFFIC COUNTS (FC 152)									$1,000.00	
SUBTOTAL SUBCONTRACTS									$14,784.00	
GRAND TOTAL									$98,000.00	

EXHIBIT D-1

INLAND GEODETICS, LP FEE SCHEDULE

KLOTZ AND ASSOCIATES, INC
GREAT OAKS- OCONNOR

RATE / HOUR	$125	$150	$171	$28	$123	$114	[illegible]	$65	$83	$48		# of Units	# of Hours	# of Units	# of Days	# of Units	# of Days	
PROJECT ADMIN/SETUP					4 HRS	2 HRS		4 HRS		4 HRS								
RECOVER AND VERIFY CONTROL	4 HRS				1 HRS	2 HRS		2 HRS	2 HRS			2	4 HRS					
ESTABLISH PROJ PRIMARY CONTR	4 HRS							1 HRS	1 HRS			2	4 HRS					
SECONDARY CONTROL TRAVERSE		8 HRS				2 HRS		2 HRS										
FIELD SURVEY	24 HRS	8 HRS			2 HRS	2 HRS		4 HRS	1 HRS			3	8 HRS					
PREPARE DELIVERABLES					2 HRS	4 HRS		32 HRS		2 HRS								
DESIGN TOPO SURVEY	32 HRS	16 HRS	0 HRS	0 HRS	9 HRS	12 HRS	0 HRS	45 HRS	4 HRS	8 HRS			40 HRS		0 DAYS		0 DAYS	
DELIVERALBLE	0 HRS	0 HRS	0 HRS	0 HRS	0 HRS	0 HRS	0 HRS	0 HRS	0 HRS	0 HRS			0 HRS		0 DAYS		0 DAYS	
SUB-TOTAL	32 HRS	16 HRS	0 HRS	0 HRS	9 HRS	12 HRS	0 HRS	45 HRS	4 HRS	8 HRS	$ 13,334.00	TOTAL	40 HRS	TOTAL	0 DAYS	TOTAL	0 DAYS	
REIMBURSEABLE ITEMS																		
REIMBURSEABLE SERVICES																		
[illegible]																		