

**CONTRACT FOR ENGINEERING SERVICES**  
**SUPPLEMENTAL AGREEMENT NO. 5**  
**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 12/21/2004, Supplemental Agreement #1 on 8/14/2007, Supplemental Agreement #2 6/9/2009, Supplemental Agreement #3 on 1/12/2010 and Supplemental Agreement #4 on 4/8/2010;

WHEREAS, the not-to-exceed fee in Exhibit 1, Section 1, Item the agreement to \$1,475,000.00; and,

WHEREAS, the "*Compensation Cap*" in Exhibit 1, Section 4, Item 4.3 limits the maximum amount payable under the agreement to \$1,475,000.00; 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 \$1,475,000.000 to \$1,675,000.00.
- II. The Compensation Cap in Exhibit 1, Section 4, Item 4.3 is hereby increased from \$1,475,000.000 to \$1,675,000.00.
- 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:           *SE Dukette*            
Signature

          **Scott Dukette, P.E.**            
Printed Name

          **Vice President**            
Title

          *7/30/10*            
Date

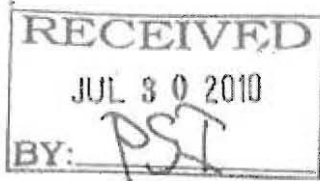
**COUNTY:**  
By:           *[Signature]*            
Signature

          **Dan Gattis**            
Printed Name

          **County Judge**            
Title

          *8-17-10*            
Date

*OK  
my 8/2/2012*



Project Name: Great Oaks/O'Connor Intersection Improvements

**ATTACHMENT A**  
**SUPPLEMENTAL NO. 1 TO**  
**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"*).

**Part 1.** The *Engineer* will provide the following engineering services: Continued coordination and management with the County and the County's GEC (HNTB), for the final completion of the RM 620 plan sheets and PS&E submittal. Additional services will include the following:

- Prepare two conceptual layout options for design changes to Great Oaks Drive, for the purpose of adding an additional left turn lane.
- Revise Great Oaks Drive intersection design and plan sheets to include additional left turn lane, sidewalk, and other features as described below.
- Technical memo to assess options and provide recommendations for improving the O'Connor Drive and Great Oaks Drive Intersections with RM 620, which included a total of five options and two options for O'Connor and Great Oaks Drive respectively.
- Prepare WPAP, including coordination with TCEQ.

**Part 2.** The maximum amount payable for services under this Supplemental Work Authorization without modification is \$32,000.

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

**Part 4.** This Supplemental Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on December 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.

**ATTACHMENT A (con't.)**

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

ENGINEER:  
Klotz Associates, Inc.

COUNTY:  
Williamson County, Texas

By: William R. Abbott  
Signature

By: [Signature]  
Signature

William R. Abbott, P.E.  
Printed Name

Dan Gattis  
Printed Name

Vice President  
Title

County Judge  
Title

7/30/10  
Date

8-17-10  
Date

LIST OF EXHIBITS:

- Exhibit B - Services to be Provided by Engineer
- Exhibit C - Design Schedule
- Exhibit D - Fee Schedule

ok  
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**SUPPLEMENTAL NO. 1 TO  
WORK AUTHORIZATION NO. 4**

**EXHIBIT B**

**SERVICES TO BE PROVIDED BY ENGINEER  
KLOTZ ASSOCIATES, INC.**

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

The *Engineer* will provide the following additional engineering services: Continued coordination and management with the County and the County's GEC (HNTB), for the final completion of the RM 620 Intersection Improvements plan sheets and PS&E. The additional work includes revising the plans, quantities, estimate, details, and project manual due to the change in design for Great Oaks Drive. Also included are services to prepare a WPAP and coordinate with TCEQ. Additional services are summarized below:

- Prepare two conceptual layout options for design changes to Great Oaks Drive, for the purpose of adding an additional left turn lane.
- Revise Great Oaks Drive intersection design and plan sheets to include additional left turn lane, sidewalk, and other features as described below.
- Technical memo to assess options and provide recommendations for improving the O'Connor Drive and Great Oaks Drive Intersections with RM 620, which included a total of five options and two options for O'Connor and Great Oaks Drive respectively.
- Prepare WPAP, including coordination with TCEQ.

**ROUTE AND DESIGN STUDIES (Function Code 110)**

- A. Data Collection & Field Reconnaissance:** The ENGINEER shall make one field visit to Great Oaks Drive to verify existing features that will need to be modified due to the change in design of Great Oaks Drive intersection. This would include assessing culverts, utilities, and driveways within the project limits.

**ROADWAY DESIGN (Function Code 160)**

- B. Conceptual Layouts:** The ENGINEER will prepare two additional conceptual layout options to add an additional lane on Great Oaks Drive. This layout will show a total of four lanes. Also included are additional conceptual layouts for O'Connor Drive (total of 5 layouts) to assess the best possible option, and a technical memo to summarize all options.



- C. Typical Sections:** The ENGINEER will prepare proposed typical sections for the updated 4-lane Great Oaks Drive. Typical sections shall include width of travel lanes, shoulders, border widths, curb offsets, ROW, PGL, centerline, pavement design, side slopes, seeding/sodding limits, sidewalks, and station limits.
- D. Intersection Layout:** The ENGINEER will revise the intersection layout for Great Oaks Drive from the desired option selected. This layout shall be to detail the pavement design, and shall include the lane configuration, curb returns, geometrics, stationing, and pavement details. The ENGINEER will design the widened portion of the roadway with asphalt, as detailed on the typical sections. This layout shall also include a revision of the proposed baseline to coincide with the new location of the lip of gutter. The ENGINEER shall identify any additional items to remove, and identify affected utilities, including wastewater manholes, water valves, and sprinkler systems in the Great Oaks Drive median.
- E. Sidewalk /ADA:** The ENGINEER will upgrade the intersections to meet ADA requirements, including pedestrian ramps, crosswalks, and signal adjustments. The ENGINEER shall design a new sidewalk along the south side of Great Oaks Drive, due to the change in the design of the intersection.
- F. Design Cross Sections/Cut and Fill Quantities:** The ENGINEER shall update the cross sections per the changes to the Great Oaks Drive intersection.

**DRAINAGE DESIGN** (Function Code 161)

- G. Drainage Design:** The ENGINEER shall extend or replace the 18" CMP along RM 620 as well as the SET, due to the design change of the Great Oaks Drive intersection. The ENGINEER shall provide a detail for this culvert modification, to include flowline of the proposed SET, ditch modification, and any needed hydraulic calculations. The ENGINEER will provide a detail for the Inlet at the O'Connor Drive and the Great Oaks Drive intersections. The ENGINEER will prepare details to modify the standard to avoid relocating the underground telecommunications utility.
- H. Water Quality:** The ENGINEER shall prepare a WPAP document that includes an allowance for an Exemption, and will coordinate with TCEQ. The WPAP submittal shall include the required TCEQ fee of \$500. *This scope and Fee does not include a fee of \$6500 for a complete WPAP.*
- I. Storm Water Pollution Prevention Plans (SW3P):** The SW3P shall be updated per the changes to the Great Oaks Drive Intersection.

## **SIGNING, MARKINGS & SIGNALIZATION (Function Code 162)**

**J. Signing and Marking Layout:** The ENGINEER will revise the pavement signing and marking plan based on the design change at Great Oaks intersection.

### **K. Traffic Signal Modifications:**

1. **Plan Sheets** – The ENGINEER shall modify the traffic signal layout for Great Oaks Drive to accommodate the upgraded design of two left turns. The layout shall include existing traffic control that will remain (signs and markings), existing utilities, proposed roadway improvements, proposed installation, and proposed additional traffic controls.
2. **Elevation Sheets** – The ENGINEER shall revise the elevation sheets for Great Oaks Drive showing the vertical clearance required for span wire modification design on the Great Oaks signal plan.
3. **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.

## **MISCELLANEOUS (Function Code 163)**

**L. Title Sheet, Index of Sheets, Quantities, Specifications and General Notes:** The ENGINEER shall revise the plan sheets, quantities, specifications, and general notes due to the revised Great Oaks Dr. design.

**M. Construction Cost Estimate:** The ENGINEER shall revise and update the construction cost estimate due to the revised Great Oaks Drive design.

**N. Traffic Control Plan:** The ENGINEER shall modify the traffic control plan, typical sections, and narrative, due to the revised Great Oaks Drive design.

## **PROJECT MANAGEMENT (Function Code 164)**

**O. Management/Coordination.** The ENGINEER will provide additional coordination with the County and its representative due to the revised Great Oaks Drive designs, including project coordination meetings; utility coordination, preparing progress reports and invoicing, updating design schedule, and Quality Control / Assurance reviews.

EXHIBIT D

FEE SCHEDULE - SUPPLEMENTAL #1 TO WORK AUTHORIZATION #4  
 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
<b>ROUTE AND DESIGN STUDIES (FC110)</b>								
DATA COLLECTION & FIELD RECONNAISSANCE	0	1	0	2	4	0	0	0
HOURS SUB-TOTALS	0	1	0	2	4	0	0	0
LABOR RATE PER HOUR	\$250.00	\$215.00	\$180.00	\$140.00	\$120.00	\$100.00	\$100.00	\$65.00
<b>SUBTOTAL (FC 150)</b>	<b>\$0.00</b>	<b>\$215.00</b>	<b>\$0.00</b>	<b>\$280.00</b>	<b>\$480.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 3	GRADUATE ENGINEER 2	CADD TECH	CLERICAL
<b>ROADWAY DESIGN CONTROLS (FC160)</b>								
GREAT OAKS DR. CONCEPTUAL LAYOUTS (2 TOTAL)	0	2	0	4	2	0	10	0
O'CONNOR 1 CONCEPTUAL LAYOUTS/MEMO (2 TOTAL)	1	2	0	4	2	0	10	1
TYPICAL SECTIONS	0	1	0	1	2	0	2	0
REDESIGN INTERSECTION LAYOUT (GREAT OAKS DR.)	0	1	0	4	2	0	8	1
ADD SIDEWALK/ADA REQUIREMENTS	0	1	2	1	2	0	4	0
REVISE CROSS SECTIONS & EARTHWORK QUANTITIES	0	0	0	6	0	0	4	0
HOURS SUB-TOTALS	1	7	2	20	10	0	38	2
LABOR RATE PER HOUR	\$250.00	\$215.00	\$180.00	\$140.00	\$120.00	\$100.00	\$100.00	\$65.00
<b>SUBTOTAL (FC 160)</b>	<b>\$250.00</b>	<b>\$1,505.00</b>	<b>\$360.00</b>	<b>\$2,800.00</b>	<b>\$1,200.00</b>	<b>\$0.00</b>	<b>\$3,800.00</b>	<b>\$130.00</b>

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 3	GRADUATE ENGINEER 2	CADD TECH	CLERICAL
<b>DRAINAGE (FC161)</b>								
DRAINAGE DESIGN (O'CONNOR AND GREAT OAKS DR.)	0	1	0	5	10	0	4	0
WATER POLLUTION ABATEMENT PLAN W/EXEMPTION (WPAP) (INCLUDING TCEQ COORDINATION)	1	2	0	10	10	0	4	3
REVISE SWQP	0	1	0	3	10	0	1	0
HOURS SUB-TOTALS	1	4	0	18	30	0	9	3
LABOR RATE PER HOUR	\$250.00	\$215.00	\$180.00	\$140.00	\$120.00	\$100.00	\$100.00	\$65.00
<b>SUBTOTAL (FC 161)</b>	<b>\$250.00</b>	<b>\$860.00</b>	<b>\$0.00</b>	<b>\$2,520.00</b>	<b>\$3,600.00</b>	<b>\$0.00</b>	<b>\$900.00</b>	<b>\$195.00</b>

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 3	GRADUATE ENGINEER 2	CADD TECH	CLERICAL
<b>SIGNING, PVMIT, MARKING, &amp; SIGNAL (FC162)</b>								
SIGNING AND STRIPING LAYOUTS (H 1"=100')	0	0	1	0	0	0	4	0
GREAT OAKS DR. SIGNAL DESIGN SHEETS	0	1	6	0	4	0	4	0
HOURS SUB-TOTALS	0	1	7	0	4	0	8	0
LABOR RATE PER HOUR	\$250.00	\$215.00	\$180.00	\$140.00	\$120.00	\$100.00	\$100.00	\$65.00
<b>SUBTOTAL (FC 162)</b>	<b>\$0.00</b>	<b>\$215.00</b>	<b>\$1,260.00</b>	<b>\$0.00</b>	<b>\$480.00</b>	<b>\$0.00</b>	<b>\$800.00</b>	<b>\$0.00</b>



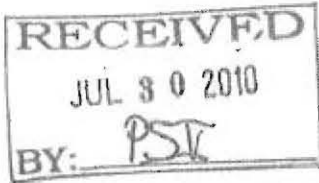
EXHIBIT D

FEE SCHEDULE - SUPPLEMENTAL #1 TO WORK AUTHORIZATION #4  
 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
MISCELLANEOUS (ROADWAY) (FC 163)								
TITLE SHEET/INDEX SHEET	0	1	0	1	0	0	3	0
QUANTITIES, SPECIFICATIONS, GENERAL NOTES	0	1	0	10	0	0	1	3
CONSTRUCTION COST ESTIMATE	0	1	1	3	0	0	0	0
TRAFFIC CONTROL PLAN	0	1	0	3	0	0	1	0
HOURS SUB-TOTALS	0	4	1	17	0	0	5	3
LABOR RATE PER HOUR	\$250.00	\$215.00	\$180.00	\$140.00	\$120.00	\$100.00	\$100.00	\$85.00
SUBTOTAL (FC 163)	\$0.00	\$860.00	\$180.00	\$2,380.00	\$0.00	\$0.00	\$500.00	\$195.00

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 2	GRADUATE ENGINEER 1	CADD TECH	CLERICAL
PROJECT MANAGEMENT (FC 164)								
MEETINGS WITH GEC / COUNTY	2	4	0	8	0	0	0	0
MAINTAIN DESIGN SCHEDULE & COORDINATION	0	2	0	4	0	0	0	0
UTILITY COORDINATION	0	0	1	4	0	0	0	0
ADDITIONAL O&A	1	2	2	0	0	0	0	0
HOURS SUB-TOTALS	3	6	3	14	0	0	0	0
LABOR RATE PER HOUR	\$250.00	\$215.00	\$180.00	\$140.00	\$120.00	\$100.00	\$100.00	\$85.00
SUBTOTAL (FC 164)	\$750.00	\$1,290.00	\$540.00	\$1,960.00	\$0.00	\$0.00	\$0.00	\$0.00

DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 2	GRADUATE ENGINEER 1	CADD TECH	CLERICAL
ROUTE AND DESIGN STUDIES (FC 110)								
ROADWAY DESIGN CONTROLS (FC 160)								
DRAINAGE (FC 161)								
SIGNING, PVMT. MARK. & SIGNAL (FC 162)								
MISCELLANEOUS (ROADWAY) (FC 163)								
PROJECT MANAGEMENT (FC 164)								
SUBTOTAL LABOR EXPENSES	5	25	13	71	48	0	60	8
DIRECT EXPENSES								
MILEAGE (\$0.50 per mile)	100							
ROLL PLOTS (\$5.00 per square foot)	12							
PLOTS (11" x 17" @ \$1.00 per plot)	50							
PHOTO COPIES (8 1/2" x 11" @ \$0.10 per copy)	100							
PHOTO COPIES (11" x 17" @ \$0.15 per copy)	100							
DELIVERIES (\$25.00 per delivery)	2							
MISCELLANEOUS EXPENSES	1							
WPAP PERMIT AND APPLICATION FEE (EXCEPTION)	1							
SUBTOTAL DIRECT EXPENSES								
<b>GRAND TOTAL</b>								



Project Name: O'Connor Blvd. Extension

**ATTACHMENT A  
WORK AUTHORIZATION NO. 6**

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"*).

**Part 1.** The *Engineer* will provide the following engineering services: Preparation of a final set of Plans, Specifications and Estimates (30% Bridge Layout, 100% PS&E, and Final Submittals) for the proposed bridge. This work will include realignment of the roadway at the bridge and full design of a concrete bridge structure; as stated during the 7/20/2010 project meeting between Klotz Associates, Inc. and HNTB Corporation.

**Part 2.** The maximum amount payable for services under this Supplemental Work Authorization without modification is \$110,500.

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

**Part 4.** This Supplemental Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on December 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: O'Connor Blvd. Extension

**ATTACHMENT A (con't.)**

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

ENGINEER:  
Klotz Associates, Inc.

COUNTY:  
Williamson County, Texas

By: William R. Klotz  
Signature

By: [Signature]  
Signature

William R. Abbott, P.E.  
Printed Name

Dan Gattis  
Printed Name

Vice President  
Title

County Judge  
Title

7/30/10  
Date

9-13-10  
Date

**LIST OF EXHIBITS:**

Exhibit B - Services to be Provided by Engineer

Exhibit D - Fee Schedule

OK  
7

**WORK AUTHORIZATION NO. 6**

**EXHIBIT B**

**SERVICES TO BE PROVIDED BY ENGINEER  
KLOTZ ASSOCIATES, INC.**

**ROAD BOND PROGRAM – O’CONNOR BLVD. EXTENSION  
WILLIAMSON COUNTY, TEXAS**

From: RM 620  
To: SH 45  
Length: 1.01 miles  
County: Williamson

The work to be performed by the Engineer under this work authorization consists of providing engineering services required for the preparation of a final set of Plans, Specifications and Estimates (30% Bridge Layout, 100% PS&E, and Final Submittals) for the proposed bridge. This work will include realignment of the roadway at the bridge and full design of a concrete bridge structure that spans the Ordinary High-Water Mark (OHWM). This scope includes design revisions to all bridge sheets and relevant roadway sheets (P&P, Signing & Striping, SWPPP, Drainage and index).

**BRIDGE DESIGN (Function Code 170)**

All bridge structures shall be designed for **HL 93** loading.

**Final Design Calculations and Details.** Once the bridge layouts have been approved by Austin, the Engineer shall make final design calculations and final detail drawings, per structure, in accordance with standard requirements of the State. All bridge design shall be in conformance with the latest edition of the State’s *Bridge Design Manual, Bridge Project Development Manual, Bridge Detailing Manual, AASHTO Standard Specifications for Highway Bridges*. The Engineer’s designer and checker shall both check all calculations and initial each page. The Engineer shall submit for review all structural design calculations and quantity calculations at the 100% submittal.



EXHIBIT D

7/29/2

FEE SCHEDULE - WORK AUTHORIZATION #6  
 PROJECT NAME: O'CONNOR BOULEVARD EXTENSION  
 COUNTY NAME: WILLIAMSON COUNTY  
 PROVIDER NAME: KLOTZ ASSOCIATES, INC

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER 2	GRADUATE ENGINEER 1	CADD TECH	CLERICAL	TOTAL LABOR & COST
<b>BRIDGE DESIGN (FC 170)</b>									
BRIDGE LAYOUTS	1	2	18	40	40	20	0	4	125
BRIDGE DESIGN - CONCRETE									
SUMMARY OF QUANTITIES			2	4	12				18
RIPRAP DETAIL		4		6	8				18
FOUNDATION LAYOUT			3	8	21	4	0	0	36
FOUNDATION CALCULATIONS			6	12		0	0	0	18
ABUTMENT LAYOUTS	1		8	16	37	9	0	0	71
ABUTMENT DETAILS			4	10	20	2	0	0	36
INTERIOR BENT LAYOUTS AND DETAILS			30	64	68	20	0	0	182
BENT CALCULATIONS		2		28	40		0	0	70
BEAM FRAMING PLANS AND DETAILS			3	8	20	5	0	0	36
BEAM CALCULATIONS			20	35		0	0	0	55
SLAB LAYOUTS AND DETAILS			10	28	45	15	0	0	88
PRESTRESSED CONCRETE BEAMS				1	2	2	0	0	5
BRIDGE STANDARDS					1	0	2	0	3
ROADWAY ITEMS									
PLAN AND PROFILE SHEETS				1	4		8	1	14
DRAINAGE SHEETS				1	4		8	1	14
SIGNING AND STRIPING				1	2		8	1	12
INDEX					1		2		3
<b>HOURS SUB-TOTALS</b>	<b>2</b>	<b>8</b>	<b>132</b>	<b>275</b>	<b>285</b>	<b>77</b>	<b>28</b>	<b>7</b>	<b>814</b>
LABOR RATE PER HOUR	\$ 250.00	\$ 215.00	\$ 180.00	\$ 140.00	\$ 120.00	\$ 100.00	\$ 100.00	\$ 65.00	
<b>SUBTOTAL (FC 170)</b>	<b>\$500.00</b>	<b>\$1,720.00</b>	<b>\$23,760.00</b>	<b>\$38,500.00</b>	<b>\$34,200.00</b>	<b>\$7,700.00</b>	<b>\$2,800.00</b>	<b>\$455.00</b>	<b>\$109,635.00</b>

DESCRIPTION									TOTAL COST
BRIDGE DESIGN (FC 170)									
<b>SUBTOTAL LABOR EXPENSES</b>									
<b>DIRECT EXPENSES</b>									
MILEAGE (\$0.50 per mile)	1,000								
PLOTS (11" x 17" @ \$1.00 per plot)	200								
PHOTO COPIES (8 1/2" x 11" @ \$0.10 per copy)	100								
PHOTO COPIES (11" x 17" @ \$0.15 per copy)	300								
DELIVERIES (\$25.00 per delivery)	1								
MISCELLANEOUS EXPENSES	1								
<b>SUBTOTAL DIRECT EXPENSES</b>									
<b>GRAND TOTAL</b>									<b>\$11</b>