

Project Name: US 79, sect. 3
0204-02-027

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 December 20, 2005;

WHEREAS, the not-to-exceed fee in Exhibit 1, Section 1, Item the agreement to \$1,686,790.00 ; and,

WHEREAS, the “*Compensation Cap*” in Exhibit 1, Section 4, Item 4.3 limits the maximum amount payable under the agreement to \$1,686,790.00; 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 \$1,686,790.00 to \$1,872,060.00.
- II. The Compensation Cap in Exhibit 1, Section 4, Item 4.3 is hereby increased from \$1,686,790.00 to \$1,872,060.00.
- III. The hourly Rates remain as shown in Exhibit II of the originally executed contract.

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

Project Name: _____

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

ENGINEER:

By:

Signature

MICHAEL A. OGDEN, P.E.

Printed Name

SENIOR VICE PRESIDENT

Title

05/28/09

Date

COUNTY:

By:

Signature

Dan Gattis

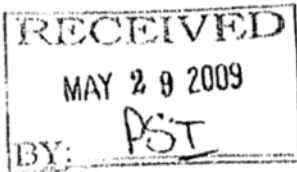
Printed Name

County Engineer

Title

Date

OK
my



ATTACHMENT A

SUPPLEMENTAL WORK AUTHORIZATION NO. 7 TO

WORK AUTHORIZATION NO. 1

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:

0204-02-027

Prepare Plans, Specifications and Estimate (PS&E) for US 79 from East City limit of Hutto to CR 402 to include (1) redesign of the project between Station 538+00 (near East limit of Hutto) to 620+00 (East of the Covert property) using a new typical section consisting of four 12-foot lanes and a 14-foot center turn lane. (Refer to attached Exhibit B).

Part 2. The maximum amount payable for services under this Work Authorization shall be increased from \$1,686,790.00 to \$1,872,060.00 (Refer to attached Exhibit D).

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 December 31, 2009, as extended by this Supplemental Work Authorization No. 7 to Work Authorization No. 1.

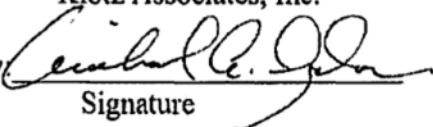
Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

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

ENGINEER:

Klotz Associates, Inc.

By:


Signature

Michael A. Ogden, PE

Printed Name

Senior Vice President

Title

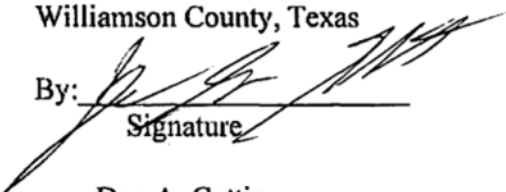
05/28/09

Date

COUNTY:

Williamson County, Texas

By:


Signature

Dan A. Gattis

Printed Name

County Judge

Title

Date

LIST OF EXHIBITS

Exhibit B – Services to be provided by Engineer

Exhibit C - Work Schedule

Exhibit D – Fee Schedule


OK


EXHIBIT B
SERVICES TO BE PROVIDED BY ENGINEER
KLOTZ ASSOCIATES, INC.

US 79
WILLIAMSON COUNTY, TEXAS

From: East City Limit of Hutto
To: CR 402
Length: 4.54 miles
County: Williamson

The work to be performed by the Engineer under this Supplemental Work Authorization #7 to Work Authorization # 1 consists of providing redesign of the project between Station 538+00 and Station 620+00 including any necessary drawings revisions, cost estimates, schedules, specifications, and project manual.

ADDITIONAL SERVICES

I. ROUTE AND DESIGN STUDIES (Function Code 110)

Revise the schematic design documents for the new roadway typical section. This work will include:

1. Revise Schematic Layout
2. Prepare revised roll plot layouts for review and approval
3. Provide additional coordination with Williamson County and TxDOT on schematic layout.

II. SOCIAL, ECONOMIC, AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT (Function Code 120)

Provide additional effort and documentation to complete the public involvement of the project. This work will include:

1. Provide additional coordination with Williamson County's environmental, public involvement and other consultants
2. Prepare additional exhibits and maps for one additional public presentation
3. Attend and make presentations at one public meeting.

III. RIGHT-OFWAY DATA (Function Code 130)

Complete utility coordination for the remainder of the project including revisions related to the re-design of the roadway. This work will include:

1. Revise utility drawings (5 sheets)
2. Maintain revised utility conflict list
3. Provide additional coordination with utility companies
4. Prepare additional exhibits for utility agreements
5. Complete additional coordination with bond program utility coordinator
6. Provide additional coordination with TxDOT and Williamson County.

IV. ROADWAY DESIGN CONTROLS (Function Code 160)

Revise the roadway details to reflect the change in the typical section Station 538+00 to Station 620+00. This work will include:

1. Revise Title Sheet (1 sheet)
2. Revise Index of Sheets (1 sheet)
3. Revise Project Layout (1 sheet)
4. Revise Typical Sections (5 sheets)
5. Revise Removal Plans (4 sheets)
6. Revise Roadway Plan and Profile Sheets (9 sheets)
7. Revise Intersection Details (2 sheets)
8. Revise Driveway Plan and Profiles (3 sheets)
9. Revise Design Cross Sections (20 sheets)
10. Revise Horizontal Alignment Data Sheets (1 sheet)
11. Revise Miscellaneous Roadway Details (1 sheet)

V. DRAINAGE (Function Code 161)

Revise the drainage details to reflect the change in the typical section Station 538+00 to 620+00. This work will include:

1. Revise Drainage Area Map (1 sheet)
2. Revise Runoff Calculations (1 sheet)
3. Revise Drainage Plans (5 sheets)
4. Revise Culvert Layout (1 sheet)
5. Revise Hydraulic Calculations (5 sheets)
6. Revise Culvert Computations (1 sheet)
7. Revise Box Culvert Standard (BCS) (1 sheet)

The analysis 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.

- a. **Meetings and Coordination**
Attend two meetings with the Williamson County and TxDOT to discuss the drainage analysis and recommendations.
- b. **Right-of-Way Drainage**
Prepare a preliminary design of the right-of-way drainage system for the right-of-way and development strip.
 - Based on the county's drainage criteria and recommendations, define a development strip on each side of the road which will be served by the right-of-way drainage system.
 - Outfall analysis. Review the cross drainage analysis and determine if each cross drainage system is adequate. Determine outfall channel improvements and right-of-way (easement) requirements. Identify and analyze alternate outfall locations and alignments.
 - Prepare roadside ditch design using THYSYS to check the ditch capacity against the actual flows.
- c. **Impact and Mitigation Analysis**
Prepare an impact analysis to determine the increase in peak flow rates for the 100-year storm. No other frequencies will be analyzed. Only the proposed road right-of-way will be used for the analysis. The development strip will not be included in the impact analysis, under the assumption that private development will have to mitigate their impact (possibly with on-site detention).
 - Determine existing conditions 100-year peak flow rates
 - Determine proposed conditions 100-year peak flow rates
 - Prepare a mitigation analysis using the Small Watershed Method to develop detention volumes. Provide a 25% contingency to establish recommended volumes.
 - The detention analysis will include determination of needed detention with the right of way ditches.

VI. SIGNING, MARKINGS & SIGNALIZATION (Function Code 162)

Revise the signing and striping details to reflect the change in the typical section Station 538+00 to Station 620+00. This work will include:

1. Revise Signing and Striping Layouts (10 sheets)

VII. MISCELLANEOUS (Function Code 163)

Revise the miscellaneous details to reflect the change in the typical section Station 538+00 to Station 620+00. This work will include:

1. Revise Estimate & Quantity Sheets (2 sheets)
2. Revise Summary of Quantities – Roadway (1 sheet)
3. Revise Summary of Quantities – SW3P (1 sheet)
4. Revise Summary of Quantities – Signing, Striping and Delineation (1 sheet)
5. Revise Summary of Quantities – Traffic Control Plan (1 sheet)
6. Revise Summary of Quantities – Drainage (1 sheet)
7. Revise Summary of Small Signs (2 sheets)
8. Revise Overall Traffic Control Plan (1 sheet)
9. Revise Traffic Control Plan Phase 2A (4 sheets)
10. Revise Traffic Control Plan Phase 2B (3 sheets)
11. Revise Traffic Control Plan Phase 3A (5 sheets)
12. Revise Traffic Control Plan Phase 3B (2 sheets)
13. Revise Storm Water Pollution Prevention Plan (5 sheets)
14. Revise General Notes & Specification Data
15. Revise Project Manual
16. Revise construction cost estimate
17. Revise construction schedule.

Exhibit C
Williamson County - 2006 Road Bond
US 79 Reconstruction - Section 3

Revision = Bold & Underlined
Actual = Red & Bold
Klotz Associates Project No. 0510.004.000

EXHIBIT D - FEE SCHEDULE

PROJECT NAME: US 79

PROJECT LIMITS: EAST HUTTO CITY LIMIT TO CR 402

PRIME PROVIDER NAME: KLOTZ ASSOCIATES, INC

TASK DESCRIPTION	PRINCIPAL	SENIOR PROJECT MANAGER	SENIOR OR SNR. STRUCT. ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	CIVIL DESIGNER	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS
ROUTE & DESIGN STUDIES (FC 110)									
REVISE SCHEMATIC LAYOUT	2	6	12	20	48	48	0	136	N/A
PREPARE REVISED ROLL PLOT LAYOUTS	0	2	4	0	8	8	0	22	N/A
COORDINATION AND MEETINGS WITH TXDOT AND WILLIAMSON CO	0	1	2	8	8	0	2	38	N/A
HOURS SUB-TOTALS	2	9	18	28	64	56	2	178	
LABOR RATE PER HOUR	\$165.00	\$175.00	\$140.00	\$125.00	\$110.00	\$90.00	\$70.00		
TOTAL LABOR COSTS	\$330.00	\$1,575.00	\$2,520.00	\$3,500.00	\$7,040.00	\$5,040.00	\$140.00	\$20,770.00	

TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR OR SNR. STRUCT. ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	CIVIL DESIGNER	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS
ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT (FC 120)									
COORDINATION W/ ENV. PUBLIC INVOLV. AND OTHER CONSULTANTS	0	6	12	0	0	0	0	33	N/A
PREPARE EXHIBITS AND MAPS FOR PUBLIC MEETING	0	2	4	8	16	16	0	47	N/A
ATTEND PUBLIC MEETING	0	4	8	4	0	0	0	19	N/A
HOURS SUB-TOTALS	0	12	24	12	16	16	0	89	
LABOR RATE PER HOUR	\$165.00	\$175.00	\$140.00	\$125.00	\$110.00	\$90.00	\$70.00		
TOTAL LABOR COSTS	\$0.00	\$2,100.00	\$3,360.00	\$1,500.00	\$1,760.00	\$1,440.00	\$0.00	\$10,335.00	

TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR OR SNR. STRUCT. ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	CIVIL DESIGNER	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS
RIGHT OF WAY DATA (FC 130)									
REVISE UTILITY DRAWINGS	0	2	4	8	20	24	0	58	5
MAINTAIN REVISED UTILITY CONFLICT LIST	0	0	0	0	0	0	0	0	N/A
COORDINATION WITH UTILITY COMPANIES	0	2	4	14	0	0	0	16	N/A
PREPARE ADDITIONAL EXHIBITS FOR UTILITY AGREEMENTS	0	0	2	4	8	8	0	23	N/A
COORDINATION WITH BOND PROGRAM UTILITY COORDINATOR	0	0	2	4	0	0	0	6	N/A
COORDINATION WITH TXDOT AND WILLIAMSON COUNTY	0	0	4	6	0	0	0	13	N/A
HOURS SUB-TOTALS	0	14	26	32	28	32	0	116	
LABOR RATE PER HOUR	\$165.00	\$175.00	\$140.00	\$125.00	\$110.00	\$90.00	\$70.00		
TOTAL LABOR COSTS	\$0.00	\$2,450.00	\$3,640.00	\$4,000.00	\$3,080.00	\$2,880.00	\$0.00	\$13,640.00	

EXHIBIT D - FEE SCHEDULE

PROJECT NAME: US 79

PROJECT LIMITS: EAST HUTTO CITY LIMIT TO CR 402

PRIME PROVIDER NAME: KLOTZ ASSOCIATES, INC

TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR OR SNR. STRUCT. ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	CIVIL DESIGNER	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS
ROADWAY DESIGN CONTROLS (FC160)									
REVISE ROADWAY SHEETS									
TITLE SHEET	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INDEX OF SHEETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PROJECT LAYOUT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TYPICAL SECTIONS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
REMOVAL PLANS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ROADWAY PLAN AND PROFILE SHEETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INTERSECTION DETAILS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DRIVEWAY PLAN AND PROFILES	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DESIGN CROSS-SECTIONS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HORIZONTAL ALIGNMENT DATA SHEETS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MISCELLANEOUS ROADWAY DETAILS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOURS SUB-TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR RATE PER HOUR	\$165.00	\$175.00	\$140.00	\$125.00	\$110.00	\$90.00	\$70.00		
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR OR SNR. STRUCT. ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	CIVIL DESIGNER	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS
DRAINAGE (FC161)									
REVISE DRAINAGE DESIGN DRAWINGS									
DRAINAGE AREA MAPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RUNOFF CALCULATIONS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DRAINAGE PLANS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CULVERT LAYOUT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HYDRAULIC CALCULATIONS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CULVERT CALCULATIONS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BOX CULVERT STANDARD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HYDRAULIC ANALYSIS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEETING AND COORDINATION	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RIGHT OF WAY DRAINAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IMPACT AND MITIGATION ANALYSIS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HOURS SUB-TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR RATE PER HOUR	\$165.00	\$175.00	\$140.00	\$125.00	\$110.00	\$90.00	\$70.00		
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR OR SNR. STRUCT. ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	CIVIL DESIGNER	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS
SIGNING, PAVT, MARKING, & SIGNAL (FC162)									
SIGNING AND PAVEMENT MARKINGS									
SIGNING AND PAVEMENT MARKING LAYOUTS									
HOURS SUB-TOTALS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LABOR RATE PER HOUR	\$165.00	\$175.00	\$140.00	\$125.00	\$110.00	\$90.00	\$70.00		
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

EXHIBIT D - FEE SCHEDULE

PROJECT NAME: US 79

PROJECT LIMITS: EAST TUTTO CITY LIMIT TO CR 402

PRIME PROVIDER NAME: KLOTZ ASSOCIATES, INC

TASK DESCRIPTION	PRINCIPAL	PROJECT MANAGER	SENIOR OR SNR. STRUCT. ENGINEER	PROJECT ENGINEER	GRADUATE ENGINEER	CIVIL DESIGNER	CLERICAL	TOTAL LABOR HRS. & COSTS	NO OF DWGS
MISCELLANEOUS (ROADWAY) (FC 163)									
REVISE QUANTITY SHEETS									
ESTIMATE & QUANTITY SHEETS									
SUMMARY OF QUANTITIES - ROADWAY									
SUMMARY OF QUANTITIES - SWPPP									
SUMMARY OF QUANTITIES - SIGNING, STRIPING, AND DELINEATION									
SUMMARY OF QUANTITIES - TRAFFIC CONTROL PLAN									
SUMMARY OF QUANTITIES - DRAINAGE									
SUMMARY OF SMALL SIGNS									
REVISE TRAFFIC CONTROL PLANS									
OVERALL TRAFFIC CONTROL PLAN									
TRAFFIC CONTROL PLAN PHASE 2A									
TRAFFIC CONTROL PLAN PHASE 2B									
TRAFFIC CONTROL PLAN PHASE 3A									
TRAFFIC CONTROL PLAN PHASE 3B									
REVISE STORM WATER POLLUTION PREVENTION PLAN									
REVISE GENERAL NOTES & SPECIFICATION DATA									
REVISE PROJECT MANUAL									
REVISE CONSTRUCTION COST ESTIMATE									
REVISE CONSTRUCTION SCHEDULE									
HOURS SUB-TOTALS									
LABOR RATE PER HOUR									
TOTAL LABOR COSTS									

DESCRIPTION	TOTAL COSTS BY FC
SUMMARY OF COSTS	
LABOR EXPENSES	
ROUTE AND DESIGN STUDIES (FC110)	\$20,270.00
ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT (FC120)	\$38,535.00
RIGHT OF WAY DATA (FC 130)	\$13,640.00
ROADWAY DESIGN CONTROLS (FC 160)	\$40,270.00
DRAINAGE (FC 161)	\$30,405.00
SIGNING, PVMT, MARK, & SIGNALS (FC162)	\$30,915.00
MISCELLANEOUS (ROADWAY) (FC 163)	\$45,230.00
SUBTOTAL LABOR EXPENSES	\$184,265.00
DIRECT EXPENSES	
MILEAGE (\$0.485 per mile)	\$485.00
PLOTS - REVIEW (\$0.40 PER SHEET)	\$160.00
COPIES - REVIEW (\$0.10 PER COPY)	\$100.00
ROLL PLOTS - BOND (\$F)	\$160.00
DELIVERIES/MISC (\$25.00)	\$100.00
SUBTOTAL DIRECT EXPENSES	\$1,005.00
TOTAL	\$185,270.00