



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

ENGINEER:

By:

Signature

John A. Wooley, P.E.

Printed Name

Senior Vice President

Title

July 1, 2008

Date

COUNTY:

By:

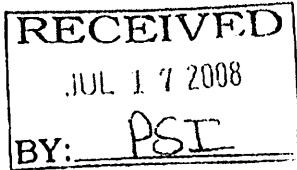
Signature

Printed Name

Title

Date

OK
m/h 7/22/08



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 Fugro Consultants, Inc. (*the "Engineer"*).

Part 1. The *Engineer* will provide the following engineering services:

Construction materials testing of earthwork, concrete and asphalt. Other testing services may also be performed on the above referenced project as required.

Part 2. The maximum amount payable for services under this Work Authorization without modification is \$16,353.00.

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 December 31, 2008 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:
By: John A. Wooley
Signature
John A. Wooley, P.E.
Printed Name
Senior Vice President
Title
July 1, 2008
Date

COUNTY:
By: [Signature]
Signature
Dan Gattis
Printed Name
County Judge
Title

Date

LIST OF EXHIBITS

Exhibit A - Services to be Provided by County

Exhibit B - Services to be Provided by Engineer

Exhibit C - Work Schedule

Exhibit D - Fee Schedule

OK
7/20/08
M

EXHIBIT II**HOURLY RATES****FEE SCHEDULE FOR GEOTECHNICAL FIELD,
LABORATORY AND ENGINEERING SERVICES****1. Field Investigation**

1.1.	Mobilization and demobilization, per mobilization		
1.1.1	Drill truck, water truck, pickup, and crew	\$	3.00/mile
1.1.2	All-terrain drill rig, pickup, and crew	\$	5.00/mile
1.2.	All-terrain vehicle with drill rig (additional charge)	\$	400.00/day
1.3.	Drilling and sampling		
1.3.1	Drilling and sampling with 3-inch, thin-walled tube sampler, continuous to 10.0 ft, 5.0-ft intervals thereafter	\$	14.00/foot
1.3.2	Continuous drilling and sampling with 3-inch, thin-walled tube sampler or split-spoon sampler for environmental screening	\$	30.00/foot
1.4.	Standard penetration tests	\$	19.00/each
1.5.	TxDOT cone penetration tests	\$	24.00/each
1.6.	Rock coring, NX or similar core barrel		
1.6.1	Drilling in soft rock (Austin Chalk, Eagle Ford Shale, etc.)	\$	20.00/foot
1.6.2	Drilling in hard rock or cavitated rock (Edwards, Buda, Glen Rose, Georgetown, and Walnut Formations)	\$	24.00/foot
1.7.	Wash or auger borings drilled and logged from cuttings:		
1.7.1	Soil	\$	12.00/foot
1.7.2	Rock	\$	18.00/foot
1.8.	Casing of boreholes	\$	12.00/foot
1.9.	Hourly charges for boring layout, excessive time spent gaining access to boring locations, backfilling boreholes, cleaning up site, installing piezometers, and for other reasons beyond our control	\$	155.00/hour
1.10.	Rental of concrete core drilling equipment or equipment to gain site access, or traffic control devices		Cost + 15%
1.11.	Materials for piezometers, grouting, etc.		Cost + 15%
1.12.	Surveying or other outside contractors		Cost + 15%
1.13.	Traffic control		Upon Request
1.14.	Per diem for out-of-town assignments, per man	\$	125.00/night
1.15.	High-pressure steam cleaner	\$	350.00/day
1.16.	OVA meter	\$	350.00/day
1.17.	Steel drums for drill cuttings (delivered)	\$	60.00/each
1.18.	Plugging boreholes with bentonite/concrete slurry	\$	8.00/foot
1.19.	Cone penetrometer testing	\$	3,000.00/day

1.20	Automated Pavement Distress Data Collection	\$ 325.00/hour
1.21	Pavement Profile Testing (Longitudinal and Transverse)	\$ 250.00/hour
1.22	NonDestructive <u>Nondestructive</u> Pavement Deflection Testing	
1.22.1	Falling Weight Deflectometer (Daytime)	\$ 225.00/hour
1.22.2	Falling Weight Deflectometer (Nighttime)	\$ 250.00/hour
1.22.3	Heavy Wight Deflectometer (Daytime)	\$ 250.00/hour
1.22.4	Heavy Wight Deflectometer (Nighttime)	\$ 275.00/hour
2.	Laboratory Tests	
2.1.	Natural water content and soil classification	\$ 10.00/each
2.2.	Plastic and liquid limits.....	\$ 45.00/each
2.3.	Free swell test.....	\$ 85.00/each
2.4.	Pressure swell test.....	\$ 125.00/each
2.5.	Uniaxial pressure-strain test	\$ 50.00/each
2.6.	Sieve analysis (No. 4, 40, and 200 sieves)	\$ 45.00/each
2.7.	Percent material passing a single sieve	\$ 25.00/each
2.8.	Minus No. 200 sieve	\$ 35.00/each
2.9.	Hydrometer analysis	\$ 175.00/each
2.10.	Unit dry weight determination and natural water content	\$ 10.00/each
2.11.	Unconfined compression test, soil.....	\$ 35.00/each
2.12.	Unconfined compression test, rock	\$ 45.00/each
2.13.	Unconsolidated-undrained triaxial compression test	\$ 45.00/each
2.14.	Standard Proctor (ASTM D-698) compaction test.....	\$ 185.00/each
2.15.	Modified Proctor (ASTM D-1577) compaction test.....	\$ 195.00/each
2.16.	TxDOT (TEX-113-E) compaction test	\$ 195.00/each
2.17.	California Bearing Ratio (CBR).....	\$ 200.00/point
2.19.	Consolidation test, 7-load increments	\$ 275.00/each
	Additional load increments	\$ 50.00/each
2.19.	Permeability of silt or clay	\$ 250.00/each
2.20.	Specific gravity.....	\$ 35.00/each
2.21.	Volumetric shrinkage	\$ 60.00/each
2.22.	Resilient Modulus testing.....	\$ 475/specimen
2.23	Chemical and analytical testing by outside laboratory	Cost + 15%
3.	Engineering and Technical Personnel	
3.1.	Senior Consultant/Project Principal.....	\$ 145.00/hour
3.2.	Senior Project Manager	\$ 135.00/hour
3.3.	Project Manager	\$ 125.00/hour
3.4	Project Engineer	\$ 100.00/hour
3.5	Project Geologist	\$ 90.00/hour
3.6	Laboratory Manager	\$ 90.00/hour
3.7.	Graduate Engineer	\$ 80.00/hour
3.8.	Senior Engineering Technician	\$ 65.00/hour
3.9.	Technician and Draftsperson	\$ 55.00/hour
3.10.	Word Processor.....	\$ 45.00/hour

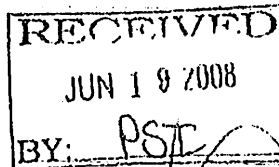
Contract No. _____

4. Report Reproduction and Miscellaneous		
4.1.	Outside services, printing, reproduction, etc.	Cost + 15%
4.2.	Outside technical assistance	Cost + 15%
4.3.	Transportation.....	\$ 0.485/mile

Rates for other tests and services quoted on request.

These rates will be in effect for 2007 and 2008 and will be revised subsequently.

FUGRO CONSULTANTS, INC.



Prime Strategies
1508 South Lamar Boulevard
Austin, Texas 78704

*Needs to
be in WA
format.*

8613 Cross Park Drive
Austin, Texas 78754
Tel: 512-977-1800
Fax: 512-973-9966

Proposal No. 1001-6714
June 16, 2008

Attention: Mr. Michael Weaver

Proposal for Remaining Construction Materials Testing IH35 @ SH29 Williamson County, Texas

Introduction

We are pleased to submit this proposal for providing on-site Construction Materials Testing (CMT) services for the above referenced project. In October of 2007, we contracted with Austin Bridge and Road to provide Construction Materials Testing services on this project. We have been informed that, as of May 1, 2008, our contract will be with Williamson County.

As requested by Mr. Clayton Weber of PBS&J, we have prepared an estimate of the fees remaining on this project, as of May 1, 2008.

Scope of Work

We understand that our services are strictly limited to collection of samples and performing tests, at the frequency, quantity and methods defined in the Project QAP. In general, we anticipate that our services will consist of:

- Earthwork Testing;
- Concrete Testing; and
- Asphalt Testing.

For placement and compaction of fill, backfill, natural subgrade, and pavement base material, we will provide a soil technician to perform required field density tests to monitor the contractor's compliance with specifications. To confirm pavement base material thickness, we will obtain cores of the base at two locations. Laboratory tests will consist of Atterberg limits, gradation analyses, and moisture density relationships.

Our duties for cast-in-place concrete monitoring will be slump testing, air content testing, molding compression test cylinders, and concrete compression testing. Concrete will be observed





Mr. Michael Weaver
Prime Strategies

June 16, 2008
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for slump at the point of placement, and one set of concrete cylinders will be cast at the specified frequency. It is our understanding that, after May 1, there will be up to 40 remaining cast-in-place structural concrete placements. The concrete supplier will provide all mix designs, including the constituent material test data required in the QAP for aggregates, cement, and fly ash.

Our technicians will also perform laboratory testing on the hot mix asphaltic concrete (HMAC). We will cut cores for determining field density and in-place thickness. It is our understanding that all laboratory tests will be performed by Fugro personnel, using the Supplier's laboratory facility and equipment. Laboratory testing will include molding of test specimens, laboratory densities, Hveem stability, determination of maximum theoretical density, asphalt content, and gradation. We understand that there will be up to 3 remaining days of asphalt paving laid down (Type A, B and C). Our estimate assumes that the Engineer will not require the Boil Test, the Indirect Tensile Test, the Tack Coat Adhesion Test, and the Ride Quality Test.

Our field technician(s) will immediately report results of field observations directly to the on-site job superintendent and owner's representative. We will assist the superintendent in identification and correction of any observed non-compliances with project specifications. In no case will our technician direct the contractor's operations, waive specifications, or make final acceptance of the contractor's work.

The scope of services proposed herein does not include inspection of any items at off-site fabrication plants; it is assumed fabrication plants employed by the contractor have their own QA/QC program to satisfy the project requirements.

Terms and Conditions

Our general conditions for materials testing services are presented in our existing Professional Services Agreement with Williamson County. For this project, we will utilize the rates established with the contractor up to this transition (Fee Schedule CMT-2007).

Materials testing services are for quality control purposes only. In no way are our personnel responsible for the job site safety of others, nor do they have stop-work authority. However, our personnel will conduct their work in a safe, workman-like manner, and will observe work-site safety requirements.





Mr. Michael Weaver
Prime Strategies

June 16, 2008
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Fugro's scope of work does not include the investigation, detection, or design related to the presence of any Biological Pollutants. The term "Biological Pollutants" includes, but is not limited to, mold, fungi, spores, bacteria, and viruses, and the byproducts of any such biological organisms.

Proposed Budget

Testing costs will vary depending on the construction schedule, project sequencing, overlapping of work, weather, and other factors. Our services will be provided on a part-time, on-call basis and will be billed in accordance with the attached fee schedule. For budgeting purposes, we estimate that our fees will be approximately \$16,353 as detailed in the attached breakdown.

* * *





Mr. Michael Weaver
Prime Strategies

June 16, 2008
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To indicate acceptance of our proposal, please have the signature block below signed by a duly authorized person in the spaces provided and return the attached copy to us for our files.

We appreciate your consideration. If you have any questions, please contact us.

FUGRO CONSULTANTS, INC

A handwritten signature in black ink, appearing to read "John S. Landwermyer". The signature is fluid and cursive, with a large initial "J" and "S".

John S. Landwermyer, P.E.
Senior Project Manager

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Attachments

CLIENT:

Authorizing Signature

Name & Title

Company

Date





GENERAL CONDITIONS FOR TECHNICAL SERVICES

1. Parties to This Agreement
CLIENT as used herein is the entity who authorizes performance of services by Fugro Consultants, Inc. (FUGRO) under the conditions stated herein. FUGRO as used herein includes, Fugro Consultants, Inc., its employees and officers, and its subcontractors and sub-consultants (including affiliated corporations).
2. On-site Responsibilities and Risks
 - 2.1 Right-of-Entry. Unless otherwise agreed, CLIENT will furnish unfettered rights-of-entry and obtain permits as required for FUGRO to perform the fieldwork.
 - 2.2 Damage to Property. FUGRO will take reasonable precautions to reduce damage to land and other property caused by FUGRO's operations. However, CLIENT understands that damage may occur and FUGRO's fee does not include the cost of repairing such damage. If CLIENT desires FUGRO to repair and/or pay for damages, FUGRO will undertake the repairs and add the pre-agreed cost to FUGRO's fee.
 - 2.3 Toxic and Hazardous Materials. CLIENT will provide FUGRO with all information within CLIENT's possession or knowledge as to the potential occurrence of toxic or hazardous materials, or Biological Pollutants (as defined in 9. below) at the site being investigated. If unanticipated toxic or hazardous materials, or biological pollutants are encountered, FUGRO reserves the right to demobilize FUGRO's field operations at CLIENT's expense. Remobilization will proceed following consultation with FUGRO's safety coordinator and CLIENT's acceptance of proposed safety measures and fee adjustments.
 - 2.4 Utilities and Pipelines. While performing FUGRO's fieldwork, FUGRO will take reasonable precautions to avoid damage to subterranean and subaqueous structures, pipelines, and utilities. CLIENT agrees to defend, indemnify, and hold FUGRO harmless for any damages to such structures, pipelines, and utilities that are not called to FUGRO's attention and/or correctly shown on plans furnished to FUGRO.
 - 2.5 Site Safety. FUGRO is not responsible for the job site safety of others, nor does FUGRO have stop-work authority over work by others. However, FUGRO will conduct its work in a safe, workman-like manner, and will observe the work-site safety requirements of CLIENT that have been communicated to FUGRO in writing.
3. Standard of Care
 - 3.1 FUGRO will perform its services consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same location.
 - 3.2 CLIENT acknowledges that conditions may vary from those encountered at the location where borings, surveys, or explorations are made and that FUGRO's data, interpretations, and recommendations are based solely on the information available to FUGRO, and FUGRO is not responsible for the interpretation by others of the information developed.
4. Limitation of Remedies
To the greatest extent permitted by law, CLIENT's sole remedy against FUGRO for claims and liabilities in any way arising out of or directly or indirectly related to FUGRO's work for CLIENT will not exceed an aggregate limit of \$50,000 or the amount of FUGRO's fee, whichever is greater, regardless of the legal theory under which remedy is sought, whether based on negligence (whether sole or concurrent, active or passive), breach of warranty, breach of contract, strict liability or otherwise. In the event CLIENT does not wish to limit FUGRO's remedy to this sum, and if CLIENT requests in writing prior to acceptance of this Agreement, FUGRO agrees to negotiate a greater remedy amount in exchange for an increase in scope and fee appropriate to the project and remedy risks involved.
5. Invoices and Payment
At FUGRO's discretion, invoices will be submitted at the completion of task elements, or monthly for services rendered. Payment is due upon presentation of FUGRO's invoice and is past due thirty- (30) days from invoice date. CLIENT agrees to pay a financing charge of one percent (1%) per month (or the maximum rate allowable by law, whichever is less), on past due accounts, and agrees to pay attorney's fees or other costs incurred in collecting any delinquent amount.
6. Data, Records, Work Product and Report(s), and Samples
Data, Records, Work Product and Report(s) are FUGRO's property. All pertinent records relating to FUGRO's services shall be retained for a minimum of two (2) years after completion of the work. CLIENT shall have access to the records at all reasonable times during said period. FUGRO will retain samples of soil and rock for a minimum of 30 days after submission of FUGRO's report unless CLIENT advises FUGRO otherwise. Upon CLIENT's written request, for an agreed charge FUGRO will store or deliver the samples in accordance with CLIENT's instructions.
7. Indemnification
FUGRO and CLIENT shall indemnify each other from any claims, damages, losses, and costs, including, but not limited to, reasonable attorney's fees and litigation costs, to the proportionate extent caused by each party's own negligence, including the negligence of the indemnifying party, and its employees, affiliated corporations, officers, and sub-tier parties in connection with the project.
8. Consequential Damages
Notwithstanding any other provision of this Agreement, CLIENT and FUGRO waive and release any claim against the other for loss of revenue, profit or use of capital, loss of services, business interruption and/or delay, loss of product, production delays, losses resulting from failure to meet other contractual commitments or deadlines, downtime of facilities, or for any special, indirect, delay or consequential damages resulting from or arising out of this Agreement, or as a result of or in connection with the work, and whether based on negligence (whether sole or concurrent, active or passive), breach of warranty, breach of contract, strict liability or otherwise.
9. Biological Pollutants
FUGRO's scope of work does not include the investigation, detection, or design related to the presence of any Biological Pollutants. The term "Biological Pollutants" includes, but is not limited to, mold, fungi, spores, bacteria, and viruses, and the byproducts of any such biological organisms. CLIENT agrees that FUGRO will have no liability for any claim regarding bodily injury or property damage alleged, arising from, or caused directly or indirectly by the presence of or exposure to any Biological Pollutants. In addition, CLIENT will defend, indemnify, and hold harmless FUGRO from any third party claim for damages alleged to arise from or be caused by the presence of or exposure to any Biological Pollutants. If CLIENT requests in writing prior to acceptance of this Agreement, FUGRO will negotiate a greater limitation amount, and remove CLIENT's responsibilities, in exchange for an increase in fee to develop an expanded scope of work to provide biological pollutant protection.
10. Acceptance of Agreement
These GENERAL CONDITIONS have been established in large measure to allocate certain risks between CLIENT and FUGRO. FUGRO will not initiate service without formal agreement on the terms and conditions set forth in these GENERAL CONDITIONS. Acceptance or authorization to initiate services shall be considered by both parties to constitute formal acceptance of all terms and conditions of these GENERAL CONDITIONS. Furthermore, all preprinted terms and conditions on CLIENT's purchase order or purchase order acknowledgment forms are inapplicable to these GENERAL CONDITIONS and FUGRO's involvement in CLIENT's project.
11. Termination of Contract
CLIENT and FUGRO may terminate services at any time upon ten (10) days written notice. In the event of termination, CLIENT agrees to fully compensate FUGRO for services performed including reimbursable expenses to the termination date, as well as demobilization expenses. FUGRO will terminate services without waiving any claims or incurring any liability.



FEES FOR CONSTRUCTION MATERIALS TESTING SERVICES

	Regular Time ⁽¹⁾	Overtime ⁽²⁾
1. Field Technicians		
1.1 Technician (NICET Level I or equivalent)	\$42.00/hr	\$ 52.00/hr
1.2 Senior Technician (NICET Level II, TxDOT Level 1A/1B, or equivalent)	\$47.00/hr	\$ 57.00/hr
1.3 Senior Supervising Technician (NICET Level III, TxDOT Level II, or equivalent)	\$80.00/hr	\$ 90.00/hr
1.4 Certified Welding Inspector	\$65.00/hr	\$ 75.00/hr
2. Field Testing and Equipment		
2.1 Transportation (Minimum \$30.00/trip)		\$ 0.485/mile
2.2 Nuclear Density Tests (In addition to technician time)		\$ 13.00/test
2.3 Torque Wrench		No Charge
2.4 Dye Penetrant & Magnetic Particle Supplies		Cost + 15%
2.5 Ultrasonic Testing Equipment		\$ 15.00/hr
2.6 Asphalt Coring Equipment		\$ 20.00/hr
2.7 Concrete Coring Equipment		\$ 20.00/hr + bit charge
2.8 Concrete Core Bit Charges		
2.8.1 3 inch-diameter Core		\$ 2.00/inch
2.8.2 4 inch-diameter Core		\$ 3.00/inch
2.8.3 6 inch-diameter Core		\$ 5.00/inch
(Other sizes quoted upon request)		
2.9 FACE® Dipstick Floor Flatness/Floor Levelness equipment		\$200.00/day
3. Laboratory Testing - Soil		
3.1 Natural Moisture Content		\$ 12.00/ea
3.2 Atterberg Limits		\$ 45.00/ea
3.3 Sieve Analysis - Soil (Nos. 4, 40, and 200)		\$ 45.00/ea
3.4 Percent Passing No. 200 Sieve		\$ 40.00/ea
3.5 Moisture Density Relationship (ASTM D 698)		\$175.00/ea
3.6 Moisture Density Relationship (ASTM D 1557)		\$185.00/ea
3.7 Moisture Density Relationship (TEX-113-E)		\$195.00/ea
3.8 Moisture Density Relationship (TEX-114-E)		\$195.00/ea
3.9 Texas Triaxial Compression Test on Base Material (TEX-117-E Part II)		\$150.00/specimen
3.10 Wet Ball Mill (TEX-116-E)		\$150.00/ea
3.11 Permeability of Silt or Clay (ASTM D 5084)		\$250.00/ea
3.12 Sample Remolding		\$ 35.00/ea
3.13 Sample Preparation (Soils with P.I. > 25)		\$ 40.00/sample
4. Laboratory Tests - Concrete and Cement		
4.1 Concrete Mix Design		Quoted on Request
4.2 Aggregate Sieve Analysis		\$ 50.00/ea
4.3 Specific Gravity of Aggregate		\$ 30.00/ea
4.4 Absorption of Aggregate		\$ 25.00/ea
4.5 Unit Weight of Aggregate		\$ 25.00/ea
4.6 Concrete Cylinder Compressive Strength (ASTM C 39)		\$ 16.00/ea





4.7	Beam Flexural Strength (ASTM C 78)	\$ 40.00/ea
4.8	Mortar Cube Compressive Strength (ASTM C780)	\$ 16.00/ea
4.9	Grout Specimen Compressive Strength (ASTM C1019)	\$ 40.00/ea
4.10	Concrete Masonry Unit Strength (ASTM C780)	\$ 75.00/ea
4.11	Concrete Masonry Unit Prism Strength (ASTM C1314)	\$ 150.00/ea
4.12	Drilled Core Compressive Strength (ASTM C42)	\$ 50.00/ea
5.	Laboratory Testing - Asphalt and Roofing	
5.1	Mix Design (Hveem or Marshall Method)	Quoted on Request
5.2	Molding Test Specimens, Bulk Density, and Stability (3 per set)	\$ 80.00/set
5.3	Determine Maximum Theoretical Density	\$ 40.00/ea
5.4	Flow Value	\$ 20.00/ea
5.5	Swell Value	\$ 90.00/ea
5.6	Stripping Test	\$ 75.00/ea
5.7	Asphalt Content (Ignition Oven) and Aggregate Gradation	\$165.00/ea
5.8	Bulk Specific Gravity of Asphalt Core	\$ 25.00/ea
5.9	Roof Ballast Sieve Analysis	\$ 50.00/ea
5.10	Oven Dried Moisture Content of Roofing Materials	\$ 25.00/ea
5.11	Laboratory Density of Field Cut Fireproofing	\$ 25.00/ea
5.12	Ignition Oven Mixture Calibration Fee (common / local mix)	\$100.00/ea
5.13	Ignition Oven Mixture Calibration Fee (uncommon / non-local mix)	\$400.00/ea
6.	Laboratory Testing - Structural Steel	
	Weld Procedure and Welder Qualification Testing Rates	Quoted on Request
7.	Report Preparation	
7.1	Word Processing	\$ 40.00/hr
7.2	Drafting	\$ 55.00/hr
7.3	Reproduction	\$ 0.15/copy
7.4	Postage	Cost
8.	Engineering Consultation	
8.1	Senior Consultant or Project Principal	\$135.00/hr
8.2	Project Manager	\$125.00/hr
8.3	Project Engineer	\$ 95.00/hr
8.4	Laboratory Manager	\$ 95.00/hr
9.	Outside Services	Cost + 15%

Rates for other services quoted on request

- Notes: (1) Minimum call-out charge for CMT technician and equipment or sample pick-up is 2 hours. Minimum call-out charge for CWI technician is 4 hours. Charges are accrued portal to portal.
- (2) Overtime rates are applicable to time worked in excess of 8 hours per day, Monday through Friday; hours worked before 7:00 am and after 6:00 pm; and all hours worked on Saturdays, Sundays, and holidays.



ESTIMATED REMAINING CONSTRUCTION MATERIALS TESTING FEES

IH35 @ SH29

WILLIAMSON COUNTY

Description	May 2 -30	>May 30	Total	Unit Price	Extension	Subtotal
	Qty	Qty	Qty			
Earthwork						
Field Density Tests	8	4	12 ea	\$13.00	\$156.00	
Technician	9	6	15 hr	\$42.00	\$630.00	
Overtime	2	0	2 hr	\$52.00	\$104.00	
Trip Charge	6	2	8 ea	\$30.00	\$240.00	\$1,130.00
Laboratory Testing for Soil and Base						
Proctor Density	1	0	1 ea	\$195.00	\$195.00	
Atterberg Limits	1	0	1 ea	\$45.00	\$45.00	
Sieve Analysis	1	0	1 ea	\$45.00	\$45.00	
Triaxial	0	0	0 ea	\$150.00	\$0.00	
Wet Ball	0	0	0 ea	\$150.00	\$0.00	\$285.00
Concrete Placement - Structural						
Concrete Cylinders	56	144	200 ea	\$16.00	\$3,200.00	
Concrete Beams	0	0	0 ea	\$40.00	\$0.00	
Technician	32	88	120 hr	\$42.00	\$5,040.00	
Overtime	0	0	0 hr	\$52.00		
Trip Charge	11	29	40 ea	\$30.00	\$1,200.00	\$9,440.00
Concrete Cylinder Pick up						
Technician	15	40	55 hr	\$42.00	\$2,310.00	
Overtime	0	0	0 hr	\$52.00		
Trip Charge	6	14	20 ea	\$30.00	\$600.00	\$2,910.00
Hot-Mix Asphaltic Concrete						
Technician	0	24	24 hr	\$42.00	\$1,008.00	
Overtime	0	0	0 hr	\$52.00		
Trip Charge	0	3	3 ea	\$30.00	\$90.00	\$1,098.00
Laboratory Testing for Asphalt						
Bulk Density/Stability	0	0	0 set	\$80.00	\$0.00	
Ignition Oven Correlation	0	0	0 ea	\$400.00	\$0.00	
Asphalt Content/Gradation	0	0	0 ea	\$165.00	\$0.00	
Max Theoretical Density	0	0	0 ea	\$40.00	\$0.00	
Hamburg Wheel Tracker	0	0	0 ea	\$580.00	\$0.00	
Asphalt Coring Equipment	0	6	6 hr	\$20.00	\$120.00	
Specific Gravity of Asphalt core	0	6	6 ea	\$25.00	\$150.00	\$270.00
Project Management						
Project Manager, P.E.	1.75	2.25	4 hr	\$125.00	\$500.00	
Senior Supervising Technician	0	2	2 hr	\$80.00	\$160.00	
Word Processor	5.75	8.25	14 hr	\$40.00	\$560.00	\$1,220.00

Total Estimated Project Cost \$16,353.00

