

SUPPLEMENTAL WORK AUTHORIZATION NO. ~~2~~ 1
TO
WORK AUTHORIZATION NO. ~~1~~ 2

**Traffic Engineering Services for intersection of Gattis School Road & Winterfield
Drive/Bethpage Drive, Round Rock TX – for Williamson County Road & Bridge
Division**

This Supplemental Work Authorization No. 1 to Work Authorization No. 2 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 12, 2015 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Alliance Transportation Group (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 2 dated effective May 1, 2015 (the "Work Authorization");

WHEREAS, pursuant to the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The above referenced Work Authorization termination date shall be modified to April 30, 2016. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Supplemental Work Authorization. Engineer understands and agrees that County's payment of amounts under this Supplemental Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under the Supplemental Work Authorization. It is further understood and agreed by Engineer that County shall have the right to terminate this Supplemental Work Authorization at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Engineer.

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:

By: 
Signature

Gayle L. Heath
Printed Name

CEO
Title

9-17-15
Date

COUNTY:

By: 
Signature

Dan Gattis
Printed Name

County Judge
Title

10-01-2015
Date

LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

Attachment A – Services to be provided by County

1. County will provide project management.
2. County will provide a single point of contact, to be identified upon Notice to Proceed.

Attachment B - Services to be provided by Engineer

The Scope of Services will be as described in the April 10, 2015 enclosed letter from Clint Jumper, PE, PTOE to Joe England, PE (see over).

Additional Services will be addressed as requested by Williamson County on a time and materials basis based on the Hourly Rate Schedule in the March 2015 PSA. If requested, a scope of work and estimated fee will be provided in writing prior to Alliance Transportation Group, Inc. proceeding with any additional service.

Attachment C - Work Schedule

Please refer to "Project Schedule" on page 3 of attached letter dated April 10, 2015 and associated "Attachment C".

Attachment D - Fee Schedule

Hourly Rates are as defined in exhibit "D" of the Professional Service Agreement.

For details, please refer to page 4 of attached letter from Alliance dated April 10, 2015 and "Attachment D".



April 10, 2015

Mr. Joe England, P.E.
County Engineer
Williamson County
3151 S.E. Inner Loop,
Suite B
Georgetown, TX 78626

Re: Gattis School Road and Winterfield Drive/Bethpage Drive - Traffic Engineering Services

Dear Mr. England:

Thank you for the opportunity to submit a proposal for providing professional traffic engineering services to Williamson County. The proposal includes a detailed estimate including labor and direct expenses. A schedule for the engineering, contractor procurement and construction is provided. The fee estimate is based on the following information.

PROJECT DESCRIPTION

The intersection of Gattis School Road and Winterfield Drive/Bethpage Drive is located in Williamson County, Texas. Gattis School Road is an east/west, four-lane, undivided arterial road without shoulders. Winterfield Drive and Bethpage Drive are north/south, two-lane, collector roadways without shoulders. The intersection is located on unincorporated land east of Round Rock. The existing intersection is two-way, stop-controlled for the Winterfield Drive and Bethpage Drive approaches.

The County intends to conduct a traffic study in accordance with the Texas Manual on Uniform Traffic Control Devices to determine if traffic signal control is warranted at this intersection. If traffic signal control is warranted, the County wants to proceed with the design and construction of a traffic signal including plans, specifications and estimates, bidding support services and construction support services. The preferred signal design will utilize a mast-arm configuration. The final configuration will be decided by the County prior to initiating design services.

SCOPE OF SERVICES

Task 1 – Traffic Signal Warrant Study

A traffic signal warrant study will be conducted in accordance with the Texas Manual on Uniform Traffic Control Devices (TMUTCD). Traffic volumes will be collected on-site including 24-hour approach counts during a two-day period and A.M. and P.M. peak hour turning movement counts during a normal week day.

Collision data will be obtained from the Williamson County Sheriff's Department and from TxDOT (CRIS Data) for the most recent records on file.

Deliverable: A report will be prepared documenting the results of the warrant analysis including a recommendation on traffic signal control. The draft report will be submitted to the County for review prior to submittal of the final report. Three (3) copies will be submitted of the draft and final report. The final report will also be provided in electronic (pdf) file format.

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Task 2 – Plans Specifications and Estimates

Construction documents will be prepared including plans, specifications and estimates (PS&E). The plans will be prepared in accordance with Williamson County and TxDOT design standards and will include the following:

1. Title Sheet
2. General Notes, Specifications and Summary of Quantities
3. Existing Layout
4. Proposed Signal Layout
5. Proposed Signing and Pavement Marking Layout
6. Proposed Elevations

It is assumed no field survey is available. Existing condition information will be obtained from observation and basic measurements and will be used for developing the base plans. Underground utility information will be obtained using One-Call. Utility information will be requested from service providers through Cobb Fendley, the current County utility coordinator. Water and sewer information will be identified using as-built drawings if available.

Alliance Transportation Group will coordinate with the City of Round Rock for input. The County will provide coordination for any agreements needed.

Deliverables: One (1) copy of a 90% complete PS&E submittal will be provided to the County for review. One (1) copy of the final PS&E, sealed by a Professional Engineer, will be provided along with electronic file formats as requested by the County.

Task 3 – Project Management

A project kick-off meeting will be held at County offices. Project files will be maintained throughout all phases of the project including documentation of correspondence including meeting notes, telephone calls, emails, etc. Invoices and progress reports will be submitted on a monthly basis.

Deliverables: Project correspondence, progress reports and invoices.

Task 4 – Bidding Support Services

The construction documents will be issued for competitive bid in accordance with Williamson County requirements by Williamson County. All bid documents will be prepared and coordinated with the County in preparation for bid advertisement. Alliance Transportation Group will attend the pre-bid meeting and bid opening at Williamson County offices. Addenda will be prepared as necessary. Final bids will be reviewed for completeness and compliance and recommendation on award of bid will be made.

Task 5 – Construction Support Services

Shop drawings will be reviewed and requests for information (RFI) submitted by the contractor will be reviewed and approved, rejected or resolved. One field visit will be conducted to observe construction progress and a summary report identifying observations will be provided to the County. Final review of construction activities will be performed and assistance with signal turn-on will be provided. The projected end date of this work authorization will be before construction is complete. The majority of this task will be completed under a separate work authorization.

BASIS OF ESTIMATE

The initial estimate is based on a mast-arm design configuration. The proposed traffic signal, if warranted, will operate as an isolated intersection and will not include any communications (wired or wireless) with adjacent

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intersections or operations centers. Vehicle detection will be Incorporated but no advanced operational features are Included.

Traffic counts will be collected using a subconsultant.

Underground utility information will be obtained from One-Call System and other utility providers.

Planned improvements on Gattis School Road, Winterfield Drive, or Bethpage Drive will be provided by the County.

A total of three (3) agency meetings and four (4) site visits are included.

Bidding Support Services and Construction Support Services will be provided on an hourly time and material basis in accordance with the master agreement.

Williamson County will be the sole reviewing agency and one (1) agency review at 90% completion is planned.

Pedestrian elements including sidewalks, cross-walks, ramps, paths and pedestrian signals will be included in the design.

EXCLUSIONS

This scope of services does not include the following:

- Roadway design including acceleration/deceleration and separate turn lanes
- Drainage design
- Structural design
- Topographic survey and mapping
- Traffic signal timing plans
- Highway or intersection capacity analyses
- Subsurface utility survey

These services, if required and upon agreement from the County, will be performed as an additional service.

STAFF-HOUR ESTIMATE

The tasks, activities, staff and associated labor effort required to complete the scope of services are provided in **Attachment D**. The staff-hours are estimates and the actual classification of personnel and estimated hours may vary.

PROJECT SCHEDULE

The data collection effort for the traffic signal warrant study will be performed during normal weekday traffic patterns and will be performed while regional schools are in-session. It is expected that data collection can begin within one week of written notice to proceed. The schedule for completing the traffic study is 30 days.

The design phase of the project will not begin until the traffic signal study has received final approval and written NTP has been received. The design phase of the project is expected to be complete within 90-days from NTP. The award of bid is expected 60-days from date of bid advertisement. Construction is expected to be complete within 180-days from award of bid. A project schedule is included in **Attachment C**.

The schedule is estimated and is contingent on timely agency review, availability and supply of materials, and weather.

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SUMMARY OF COST

The summary of cost for providing services described is shown below. Tasks 1-3 will be performed on a lump sum basis and Tasks 4-5 will be provided on time and material basis.

Task	Method of Compensation	Amount
Task 1 – Traffic Signal Warrant Study	Lump Sum	\$2,568
Task 2 – Traffic Signal Plans Specifications and Estimates (if necessary)	Lump Sum	\$14,084
Task 3 – Project Management	Lump Sum	\$1,651
Task 4 – Bidding Support Services	Time & Material	\$2,529
Task 5 – Construction Support Services	Time & Material	\$3,198
Direct Expenses		\$1,803
Total Estimated Cost		\$25,607

The hourly rates for labor classifications used to perform services on a time and material basis as well as any additional services are provided in the master agreement.

In closing, we appreciate the opportunity to provide this proposal and are available at your convenience to answer any questions. Feel free to call me at any time on my mobile number (512) 422-6372.

Sincerely,

Alliance Transportation Group, Inc.



Clint Jumper, P.E., PTOE

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Re: Gattis School Road and Winterfield / Bethpage Drive - Traffic Engineering Services

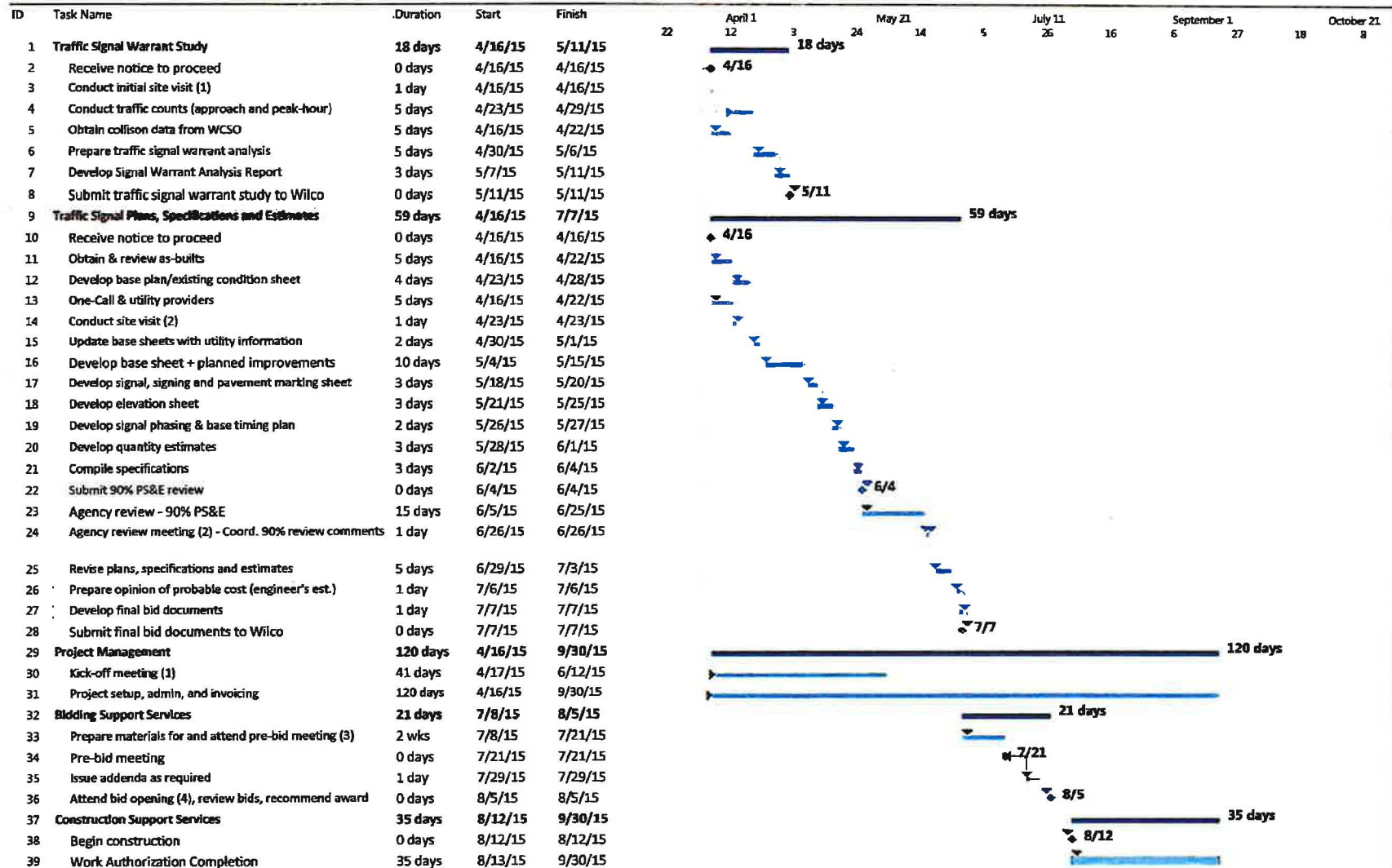


ATTACHMENTS

Attachment C – Work Schedule

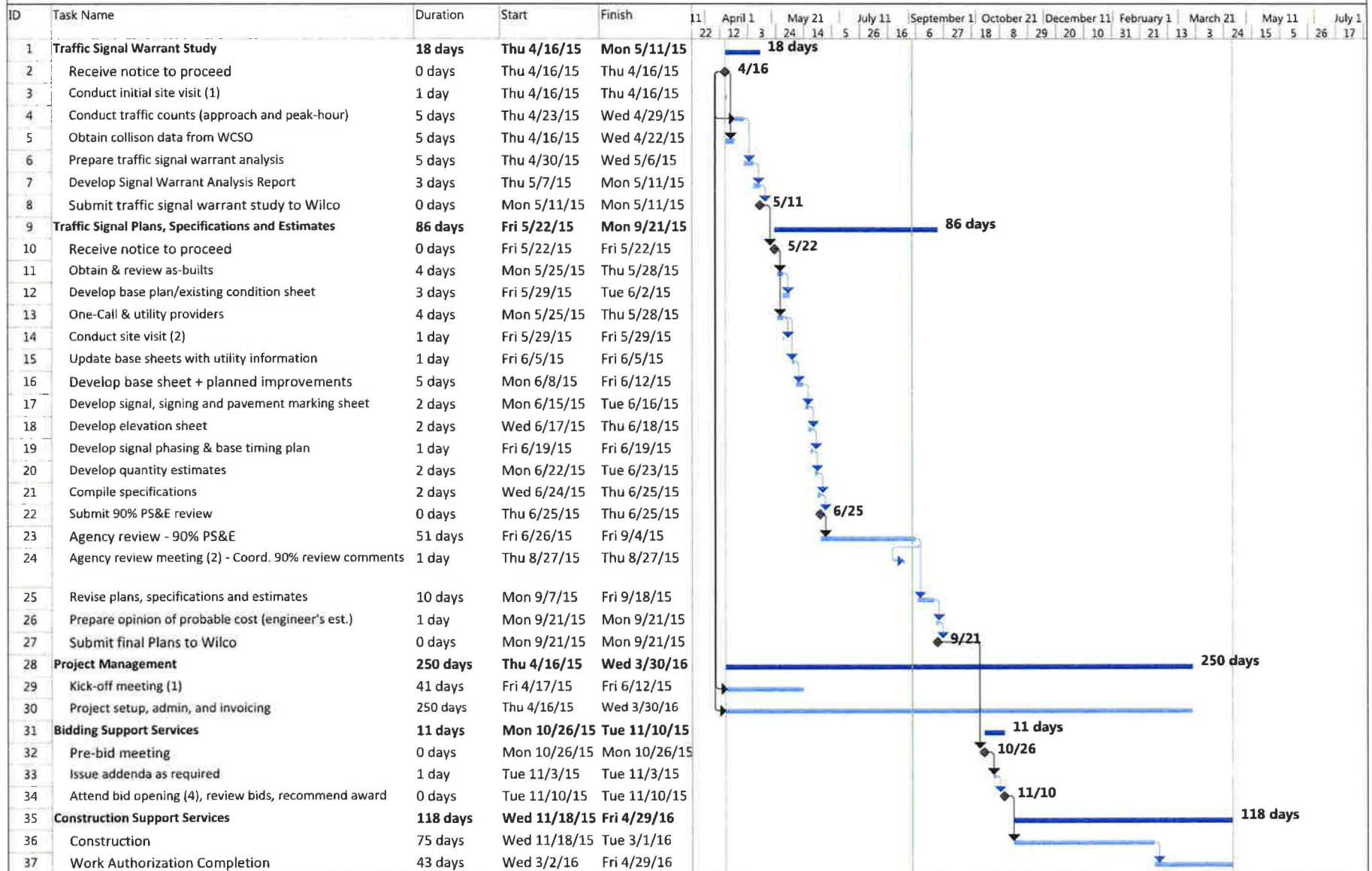
Attachment D – Fee Schedule

ATTACHMENT C - Project Schedule
Gattis School Road and Winterfield Road / Bethpage Drive - Traffic Engineering Services



ATTACHMENT C - Project Schedule

Gattis School Road and Winterfield Road / Bethpage Drive - Traffic Engineering Services



ATTACHMENT D
Williamson County
Gattis School and Winterfield / Bethpage - Traffic Study and Traffic Signal Services
Fee Schedule

		Sr. Project Manager	Project Engineer	EIT	Project Admin		
Task	Description	\$ 240.00	\$ 136.00	\$ 90.00	\$ 95.00	Hours	Cost
1	Traffic Signal Warrant Study						
1.1	Conduct initial site visit (1)		1	1		2	\$ 226
1.2	Conduct traffic counts (approach and peak-hour)		1	4		5	\$ 496
1.3	Obtain collision data from WCSO		1	4		5	\$ 496
1.4	Prepare traffic signal warrant analysis		1	4		5	\$ 496
1.5	Develop Signal Warrant Analysis Report	1	1	4		8	\$ 854
2	Traffic Signal Plans, Specifications and Estimates						
2.1	Obtain & review as-builts		1	3		4	\$ 406
2.2	Develop base plan/existing condition sheet		2	10		12	\$ 1,172
2.3	Conduct site visit (2)		8	8		16	\$ 1,808
2.4	Transmit base sheets to One-Call & utility providers			1		1	\$ 90
2.5	Update base sheets with utility information			4		4	\$ 360
2.6	Develop signal, signing and pavement marking sheet	1	1	24		26	\$ 2,536
2.7	Develop elevation sheet		1	12		13	\$ 1,216
2.8	Develop signal phasing plan		1	2		3	\$ 316
2.9	Develop quantity estimates		1	4		5	\$ 496
2.10	Compile specifications		1	8		9	\$ 856
2.11	Submit 90% PS&E review	2	1			3	\$ 616
2.12	Agency review meeting (2) - Coord. 90% review comments		4	4		8	\$ 904
2.13	Revise plans, specifications and estimates		2	12		14	\$ 1,352
2.14	Prepare opinion of probable cost (engineer's est.)		2	2		4	\$ 452
2.15	Develop final bid documents	1	4	8		13	\$ 1,504
3	Project Management						
3.1	Kick-off meeting (1), setup, admin, invoice, etc.	2	2	3	6		\$ 1,651
4	Bidding Support Services						
4.1	Prepare materials for and attend pre-bid meeting (3)		6	2		9	\$ 1,055
4.2	Issue addenda as required		2	2		5	\$ 511
4.3	Attend bid opening (4), review bids, recommend award		4	4		9	\$ 963
5	Construction Support Services						
5.1	Review shop drawings		8	4		13	\$ 1,507
5.2	Perform site visit (3), observation and prepare summary		8			9	\$ 1,147
5.3	Conduct final site visit (4) / turn-on		4			4	\$ 544
Total Hours		7	67	133	6	207	
Labor Expense		\$ 1,680.00	\$ 9,112.00	\$ 11,970.00	\$ 570.00		\$ 23,804
Direct Expense							\$ 1,803
Total Fee							\$ 25,607

ATTACHMENT D
Willamson County
Gatlin School and Winterfield / Bethpage - Traffic Study and Traffic Signal Services
Per Schedule

Type	Unit	Fixed Cost	Quantity	Estimated Costs
Photocopies B/W (8 1/2" X 11")	each	\$0.25	100	\$ 25
Photocopies B/W (11" X 17")	each	\$0.50	30	\$ 15
Photocopies Color (8 1/2" X 11")	each	\$1.00	10	\$ 10
Turning Movement Counts	location/day	\$350.00	1	\$ 350
Traffic Classification Counts (per counter/24 hrs.)	each	\$880.00	4	\$ 3,520
Total - Direct Expense				\$ 3,920