

Project Name: On-Call Traffic Engineering

CONTRACT FOR ENGINEERING SERVICES
SUPPLEMENTAL AGREEMENT NO. 1
TO THE PROFESSIONAL SERVICES AGREEMENT

[illegible]

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 Kimley-Horn and Associates (*the "Engineer"*) and becomes effective when fully executed by both parties.

WHEREAS, the *County* and the *Engineer* executed a contract on July 12, 2011;

WHEREAS, the not-to-exceed fee in Exhibit 1, Section 1. Item 1.1 limits the agreement to \$300,000.00 ; and,

WHEREAS, the “*Compensation Cap*” in Exhibit 1, Section 4, Item 4.3 limits the maximum amount payable under the agreement to \$300,000.00; 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 1.1 is hereby increased from \$300,000.00 to \$375,000.00.
- II. The Compensation Cap in Exhibit 1, Section 4, Item 4.3 is hereby increased from \$300,000.00 to \$375,000.00.

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

Project Name: On-Call Traffic Engineering

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

ENGINEER:

By: Andrew W. Van Leuven
Signature

Andrew W. Van Leuven
Printed Name

SR Vice President
Title

8/17/2015
Date

COUNTY:

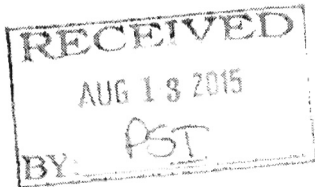
By: [Signature]
Signature

DAN A GATTI
Printed Name

County Judge
Title

08-28-2015
Date

[Signature] 8/14/2015
[Signature]



Project Name: Lakeline Right Turn Lanes

**ATTACHMENT A
SUPPLEMENTAL NO. 1 TO
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 Kimley-Horn and Associates (*the "Engineer"*).

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

See attached - Exhibit B

Part 2. The maximum amount payable for services under this Work Authorization without modification is hereby *increased* by \$34,514.00 for a new maximum amount of \$171,089.00.

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 February 29, 2016, 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: Andre W. Van Leeuwen
Signature
Andre W. Van Leeuwen
Printed Name
SR Vice President
Title
8/13/2015
Date

COUNTY:

Williamson County, Texas

By: [Signature]
Signature
Dan A. Gattis
Printed Name
County Judge
Title
08-28-2015
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 *(based on approved rates in PSA Exhibit H executed by Commissioners Court action; rates cannot be amended through a Supplemental to a Work Authorization)*

OK 8/14/2015
M

EXHIBIT A

Services to be Provided by the County

Location(s): **Lakeline Boulevard**
Project: **Final Design – Right Turn Lanes at Pecan Park, Apartment Driveway, and HEB Driveway**

SCOPE OF WORK OVERVIEW

This project involves the development of PS&E for right turn lanes on eastbound Lakeline Boulevard at the intersection with Pecan Park Blvd, Apartment Driveway, and HEB driveway (1st driveway east of Pecan Park) in Austin, Texas.

SERVICES TO BE PROVIDED BY THE COUNTY

- A. Subsurface Utility Engineering and Utility Coordination
- B. Title abstracts and/or commitments
- C. Right-of-Way and easement acquisition
- D. Updated ADT information (if available)
- E. Assist the Engineer in obtaining information from various County resources and/ or departments.
- F. Assist the Engineer in obtaining as-built information along the corridor.
- G. Provide available copies of associated studies and coordination with ongoing related county projects.
- H. Post and maintain project information on the County website.
- I. Review and provide comments on all aspect of the design and PS&E preparation.
- J. Provide decisions in a timely manner.
- K. Process payment to Engineer in a timely manner.

EXHIBIT B

Services to be Provided by the Engineer

Location(s): **Lakeline Boulevard**
Project: **Final Design – Right Turn Lanes at Pecan Park, Apartment Driveway, and HEB Driveway**

SCOPE OF WORK OVERVIEW

This project involves the development of PS&E for right turn lanes on eastbound Lakeline Boulevard at the intersection with Pecan Park Blvd, Apartment Driveway, and HEB driveway (1st driveway east of Pecan Park) in Austin, Texas.

SERVICES TO BE PROVIDED BY THE ENGINEER

Task 1. Project Management

Project management spans the entire duration of the project and involves monitoring and coordination of services provided to the County to assure timely and efficient completion of the project. Included in this task are project coordination, project meetings, quality assurance and quality control, City of Austin verification submittal, City of Austin comment responses, and City of Austin final site plan submittal.

Task 2. PS&E

KHA will develop additional PS&E documents and necessary supporting documentation for City of Austin approval following the criteria set forth in the City of Austin Small Project – Transportation application for suburban watersheds. The additional items for the City submittal are listed below.

Environmental Site Plan Submittal Information

- Project Report
- Cover Sheet
- Erosion and Sedimentation Control and Tree Protection Plan
- Water Quality/Drainage Plan
- Water Quality Control Plan
- Landscape Plan
- Slope and Topographic Map
- Environmental Assessment Report
- Change to use City of Austin Standard Specifications
- Geological Assessment

KHA will revise the plans to replace TxDOT 2014 Standard Specification with City of Austin Standard Specifications where feasible.

The Geological Assessment required for the City of Austin Small Project – Transportation will include the following:

- Sampling and testing of the subsurface materials by drilling test borings and observing the groundwater conditions at the site, to depths that would significantly affect or be affected by the water quality control element;
- Identification of the physical and engineering characteristics of the subsurface materials encountered during the sampling and testing, including Atterberg Limits Determinations, Particle Size Distributions, and remolded permeability testing of the shallow native materials for suitability as a liner material. Standard Proctor testing will also be performed on the materials representing the clay liner (if suitable) and subgrade;
- Providing recommendations for appropriate liner materials.
- Providing general design and construction considerations, as well as recommendations regarding materials testing during liner construction;
- Performing a stability analysis of the planned rain garden slopes given geometry from our client.

Field Exploration

Truck mounted drilling equipment will be used to drill and sample **two (2)** test borings to explore the soil and groundwater conditions at the subject site. The table below provides the proposed structure, quantity, and test boring depths. In addition to the test borings, bulk samples will be collected for permeability and Proctor testing.

Table 1 - Summary of Test Borings

Design Element	Quantity	Depth (ft) (each)	Total Depth (ft)
Rain Garden (Water Quality Control)	2	15	30
TOTAL	2	---	30

Upon completion of the drilling operations, the test borings will be backfilled with soil/rock cuttings. If rock is encountered, the test borings will be terminated at five (5) to 10 feet into rock, unless the specified depth has already been attained. Soils will be sampled continuously in the upper 10 feet and every five (5) feet thereafter. Final depths of the test borings may be extended or reduced dependent on encountered material. Groundwater observations will be made during and after the drilling operations. Upon request a 24 hour groundwater observation can be performed.

Laboratory Services

The geotechnical investigation will include laboratory testing of the samples obtained during the field exploration. This testing will be conducted to determine the soil classification and evaluate the plasticity, grain size, permeability and other characteristics of the subsurface materials encountered. PSI laboratories are equipped with modern soil testing apparatus; field exploration programs are conducted with modern drilling equipment. Field and laboratory testing is performed by trained, qualified technicians under the guidance and supervision of professional engineers.

Unless directed otherwise by the Client, portions of any samples that are not altered or consumed by laboratory testing will be retained for 60 days from the date shown on the report and will then be discarded.

Reporting Services

PSI's proposal covers the work needed to present our findings and recommendations in a report form may include:

- A review of surface topographical features, geologic features, and site conditions;
- Logs of test borings and a plan showing the locations of test borings;
- Estimated subsurface profiles and a review of subsurface stratigraphy with pertinent available physical properties and ground water conditions;
- Identification of the physical and engineering characteristics of the subsurface materials encountered during the sampling and testing, including Atterberg Limits Determinations, Particle Size Distributions, and remolded permeability testing of the shallow native materials for suitability as a line material. Standard Proctor testing will also be performed on the materials representing the clay liner (if suitable) and subgrade;
- Providing recommendations for appropriate liner materials.
- Providing general design and construction considerations, as well as recommendations regarding materials testing during liner construction;
- Performing a stability analysis of the planned rain garden slopes given geometry from our client.

A pdf report presenting the results of our field exploration and laboratory testing will be prepared and submitted by email and, if requested by the Client, three (3) hard copies will be mailed. The geotechnical report will include the results of the field exploration and laboratory tests and will be reviewed by a professional engineer.

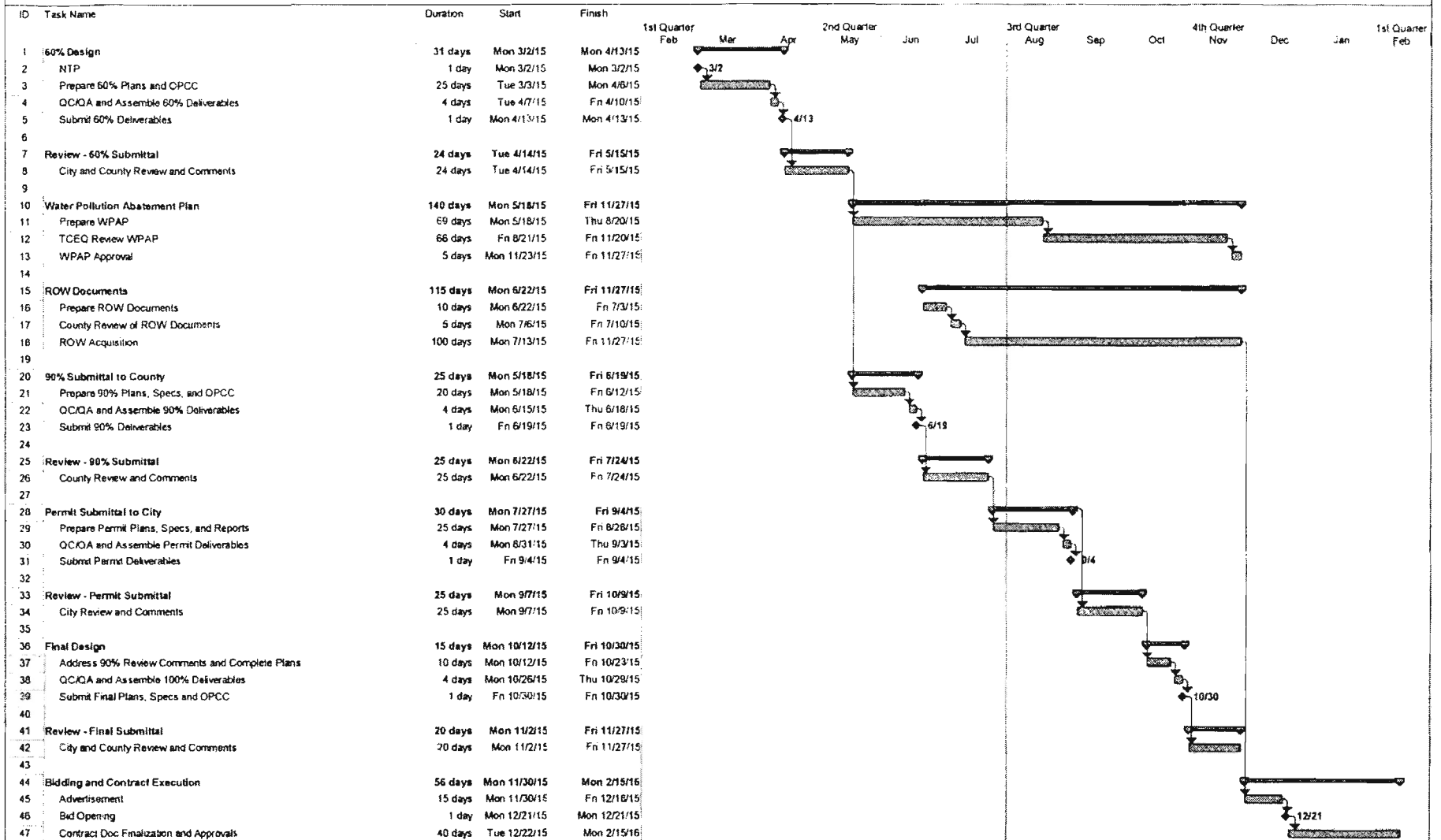
ADDITIONAL SERVICES/CHANGE IN SERVICES

Since the Engineer's compensation is a not-to-exceed fee for Basic Services described in this Agreement, compensation to the Engineer for Additional Services will only be for substantial deviations from the scope of services described in this Agreement. The Engineer will submit a written estimate of fees to the County and obtain the County's authorization before initiating any additional services. The following services are not included in this Agreement at present and are specifically considered to be additional services:

- a) Preparing for and attending public meetings, and/or appearing as an expert witness in any litigation for the County.
- b) Work associated with outfalls outside the project ROW
- c) Upgrading traffic signal at Pecan Park from span-wire design to a mast-arm design.
- d) Developing photometric model for roadway illumination design.
- e) Services after the award of the construction contract
- f) Stormwater Hydrologic analysis of external drainage areas
- g) Stormwater detention analysis and design

- h) Non-standard retaining wall design
- i) Low Impact Development Design

Exhibit C - Williamson County - Lakeline Boulevard Right Turn Lanes PS&E



WORK AUTHORIZATION 5

Exhibit D

Project Name: Lakeline Boulevard PS&E
 Project Description: Right Turn Lanes at Pecan Park, HEB driveway, and apartment driveway
 Prepared By: Kimley-Horn and Associates, Inc.

Task #	KHA Task Name	Direct Labor (Person-Hours)						Sub-Contractor and Expense (\$)
		Senior Transportation Engineer \$205.00	Senior Engineer 190.00	Project Engineer 120.00	Analyst 105.00	Secretary / Clerical 60.00	KHA Labor Total (hours)	
1	Project Management							
							0	
	City of Austin Small Transportation Project Permit						0	
	Project Coordination	2	10				12	
	Project Meetings (Assume 2 Meetings)	4	4				8	
	QA/QC	2	4				6	
	Verification Submittal		2	4	8	2	16	
	Site Plan Submittal		2	4	8	2	16	
	Comment Responses	2	4	4			10	
	Final Submittal		2	4	8	2	16	
							0	
	Task Total (Hours)	10	28	16	24	6	84	
	Task Total (Dollars)	\$2,050	\$5,320	\$1,920	\$2,520	\$360	\$12,170	\$0

2	PS&E							
	City of Austin Small Transportation Project Permit						0	
	Environmental Site Plan Submittal Information						0	
	Project Report		2	8	16		26	
	Cover Sheet		1	2	4		7	
	Erosion and Sedimentation Control and Tree Protection Plan		1	4	8		13	
	Water Quality/Drainage Plan		1	2	6		9	
	Water Quality Control Plan		1	2	8		11	
	Landscape Plan		1	4	16		21	
	Slope and Topographic Map		1	4	8		13	
	Environmental Assessment Report		1	8	16		25	
	Change to use City of Austin Standard Specifications	1	1	2	16		20	
	Geological Assessment							
		See Attached for Hourly Rates					0	\$4,945
	Task Total (Hours)	1	10	38	98	0	145	
	Task Total (Dollars)	\$205	\$1,900	\$4,320	\$10,290	\$0	\$16,715	\$4,945
	DESIGN (1-2) TOTAL (Hours)	11	38	52	122	6	229	
	DESIGN (1-2) TOTAL (Fee)	\$2,255	\$7,220	\$6,240	\$12,810	\$360	\$28,885	\$4,945

Project Summary

Expenses						
Subconsultants (Geotech)						\$4,945
Mileage	60.0 Miles	x	\$0.565	per mile		\$34
11"x17" Plots	500.0 Plots	x	\$0.20	per plot		\$100
8-1/2"x11" Plots	500.0 Plots	x	\$0.10	per plot		\$50
TCEQ Recharge Zone Exception Request	1.0 Each	x	\$500.00	Each		\$500
Total						\$5,629
DESIGN (1-2) TOTAL						\$28,885
GRAND TOTAL						\$34,514

PSI - Lakeline Right Turn Lanes Exhibit D

GEOTECHNICAL FIELD EXPLORATION	QUANTITY	UNIT	RATE	TOTAL
Staking/Coordinating	3	hours	\$ 45.00	\$135.00
Rig Mobilization/Demobilization	1	each	\$ 450.00	\$450.00
Drilling & Sampling - Soils	30	ft	\$ 30.00	\$900.00
GEOTECHNICAL LABORATORY TESTING				
Natural Moisture Content	15	ea	\$ 6.00	\$90.00
Particle Size Distribution, 5 sieves through No. 200	6	ea	\$ 50.00	\$300.00
Atterberg Limits	6	ea	\$ 60.00	\$360.00
Permeability Testing, Constant or Falling Head	2	ea	\$ 255.00	\$510.00
Total Field & Lab				\$2,745.00
ENGINEERING/SECRETERIAL				
Project Manager	4	hours	\$ 100.00	\$400.00
Engineering Time	8	hours	\$ 125.00	\$1,000.00
Principle Consultant Review	4	hours	\$ 175.00	\$700.00
Secretarial/Drawings	2	hours	\$ 50.00	\$100.00
Total Engineering/Secreterial				\$2,200.00
TOTAL EXPENSES				\$4,945.00