



HNTB Contract No. 45026
Work Authorization No. 17
Supplemental Agreement No. 1
IH 35 EA Re-evaluation Revisions

SUPPLEMENTAL AGREEMENT NO. 01
to
WORK AUTHORIZATION NO. 17

This Supplemental Agreement, Number 01, to the WORK AUTHORIZATION NO. 17, is made pursuant to the terms and conditions of the Agreement dated December 12, 2006 (the Agreement), between **Williamson County, Texas**, a political subdivision of the State of Texas ("**County**"), and **HNTB Corporation ("**Engineer**")** is made effective upon execution of this Supplemental Agreement.

The following terms and conditions of Work Authorization No. 17 are hereby amended as follows:

Part 1. This Supplemental Work Authorization will amend the current scope of work to include revising the EA Re-evaluation as necessary to address Federal Highway Administration (FHWA) comments provided by email dated July 11, 2011.

Part 2. The maximum amount payable for services under this Work Authorization is increased by \$84,113 from \$365,590 to \$449,703.

Except to the extent modified herein, all terms and conditions of Work Authorization No. 17 shall continue in full force and effect.

Williamson County, Texas
(County)

Signature: _____

Name: Judge Dan A. Gattis

Title: Williamson County Judge

Date: _____

HNTB Corporation
(Engineer)

Signature: 

Name: Richard L. Ridings, P.E.

Title: Vice President

Date: 9/2/11

Attachments:

Exh B – Services to be Provided by Engineer
Exh C – Work Schedule
Exh D – Fee Schedule

OK


EXHIBIT B

SERVICES TO BE PROVIDED BY THE ENGINEER

PROJECT DESCRIPTION

HNTB (ENGINEER) is currently preparing a Re-evaluation of the Environmental Assessment (EA) on IH 35 from Loop 384 (FM 3406) in Round Rock to Loop 418 (Business 81) North of Georgetown in Williamson County, Texas. The EA Re-evaluation, as currently drafted, covers proposed changes in design from 2,300 feet south of State Highway (SH) 29 to 3,200 feet north of Westinghouse Road. The work to be performed under this Work Authorization shall consist of revising the EA Re-evaluation as necessary to address Federal Highway Administration (FHWA) comments provided by email dated July 11, 2011. Most notable of FHWA's comments is the need to expand the focus of the EA Re-evaluation to include all unconstructed portions of the project described in the original EA (including the construction of a frontage road between RM 2338 and Lakeway Drive). In addition, the EA Re-evaluation will be updated per FHWA guidance dated April 29, 2011, for preparing re-evaluations and notices of continuous activity. The following scope of work covers the environmental consulting services to be provided by the ENGINEER to Williamson County (COUNTY). The work will be performed under two (2) tasks: Task 145.01 is Project Administration and Coordination, and Task 120.01 is the EA Re-evaluation Revisions. The ENGINEER will coordinate activities with the COUNTY and the Texas Department of Transportation (TxDOT), as appropriate, throughout the duration of this project.

This scope of services includes professional services and deliverables in support of the COUNTY's development of the proposed project.

PROJECT MANAGEMENT (FUNCTION CODE 145)

TASK 145.01 – PROJECT ADMINISTRATION AND COORDINATION

- A) The ENGINEER will attend up to two (2) meetings with the COUNTY/TxDOT to discuss the work plan and obtain input to refine the work plan to best meet project needs.
- B) The ENGINEER will manage activities associated with the project. The ENGINEER shall secure resources necessary to produce the project deliverables and meet the project schedule. The ENGINEER will be responsible throughout the project duration for project management and communications with the COUNTY and TxDOT.
- C) The ENGINEER will prepare monthly progress reports for work completed during the period and prepare invoices in accordance with specified COUNTY criteria.

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- D) The ENGINEER will maintain project records and files in accordance with COUNTY document retention policies and manage data and transfer files for required elements of the project.
- E) The ENGINEER will conduct a comprehensive quality assurance/quality control review at appropriate milestone points during the project, to appraise technical performance, provide direction for project activities and review correspondence and environmental documents for quality assurance.

SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES (FUNCTION CODE 120)

TASK 120.01 – EA RE-EVALUATION REVISIONS

Subtask 120.01.01 – Project History/Status

The ENGINEER will update the project description and project development history for the IH 35 frontage road project. Consistent with FHWA's e-mail dated July 11, 2011, the EA Re-evaluation will evaluate all remaining unconstructed improvements covered in the original EA. This will include construction of a frontage road between Ranch-to-Market Road (RM) 2338 and Lakeway Drive. This task will involve coordination to ensure that the EA Re-evaluation is consistent with and reflective of the most recent version of the Biological Assessment (prepared by others).

Subtask 120.01.02 – Indirect and Cumulative Impacts Analysis

The ENGINEER shall revise the ICI analysis for the project to include the areas of proposed design change, as well as other portions of the original EA limits that have not yet been constructed (RM 2338 to Lakeway Drive). The National Cooperative Highway Research Program Report 466 (NCHRP 466) will be used as guidance for the indirect impacts analysis. The ENGINEER shall utilize the approach outlined in TxDOT's *Guidance on Preparing Indirect and Cumulative Impact Analyses*, dated September 2010.

Subtask 120.01.03 –Traffic Noise Analysis

The ENGINEER shall update the traffic noise analysis for the project in accordance with 23 CFR 772 and TxDOT's *Guidelines for Analysis and Abatement of Highway Traffic Noise* (April 2011). The traffic noise analysis will be conducted in the areas of proposed design change, as well as other portions of the original EA limits that have not yet been constructed (RM 2238 to Lakeway Drive). The traffic noise analysis shall consist of the following elements:

- Identify existing and proposed land use;
- Conduct ambient noise measurements in the field to validate existing noise levels determined through FHWA's TNM (ver. 2.5) model. Noise

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measurements will be taken at the existing right-of-way line at a location representative of adjacent noise receivers. No right-of-entry will be obtained to conduct the noise measurements. Associated traffic counts and other pertinent data (climate, other noise sources, site details) will also be documented.

- Model existing and design year traffic noise levels using FHWA's TNM (ver. 2.5); and
- Evaluate and document reasonableness and feasibility of noise abatement measures and placement of noise barrier(s).
- Update Traffic Noise section of EA (and accompanying exhibits) with current TxDOT format.

Subtask 120.01.04 –Other Social, Economic and Environmental Consequences

In addition to those tasks previously identified, the ENGINEER will update, as necessary, the remainder of the EA Re-evaluation per the April 29, 2011 FHWA guidance.

Subtask 120.01.05 – Document Preparation and Comment/Response

Due to the scope of changes to the EA Re-evaluation detailed in this work authorization, it is assumed that the document will undergo another complete review by TxDOT Austin District, TxDOT-ENV and FHWA. Therefore, under this subtask, the ENGINEER will prepare five (5) copies of the draft EA Re-evaluation for review by TxDOT Austin District. Upon receipt of comments from the District, the ENGINEER will revise the EA Re-evaluation and submit fifteen (15) copies for review by TxDOT-ENV. Upon receipt of comments from TxDOT-ENV, the ENGINEER will revise the EA Re-evaluation and submit fifteen (15) copies for review and comment by FHWA. The ENGINEER will then revise the EA Re-evaluation to respond to FHWA comments.

Subtask 120.01.06 – EA Re-evaluation Engineering Support

The ENGINEER will complete Traffic Data Request Form and prepare necessary line diagram exhibits for requesting traffic data information.

Deliverable:

- Thirty-five (35) draft copies of the EA Re-evaluation document; also an electronic copy of each submittal.

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ADDITIONAL SERVICES

The following services are not included in the scope of services for this Work Authorization and will be considered Additional Services:

- Traffic Air Quality Analysis
- Biological Assessment
- Section 7 consultation
- Section 4(f) Statement
- Historic-Age Resource Research Design or Reconnaissance Survey
- Wetland Delineations
- USACE Section 404 Individual Permit or Nationwide Permit Preconstruction Notification
- Phase I Environmental Site Assessment
- Public Involvement (including Noise Workshops, Public Meetings, Public Hearing or Notice Affording an Opportunity for Public Hearing)
- Right-of-Entry to conduct ambient noise measurements

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WORK SCHEDULE

Schedule of Anticipated Milestones

NTP	September 12, 2011
Submittal of revised Draft EA Re-evaluation to TxDOT Austin District	October 21, 2011
TxDOT Austin District Review	October 21–November 4, 2011
Revisions to EA Re-evaluation to address TxDOT Austin District comments	November 4–November 18, 2011
Submittal of revised Draft EA Re-evaluation to TxDOT-ENV	November 18, 2011
TxDOT-ENV Review	November 18–December 19, 2011
Revisions to EA Re-evaluation to address TxDOT-ENV comments	December 19–January 9, 2012
Submittal of revised Draft EA Re-evaluation to FHWA	January 9, 2012
FHWA Review	January 9–February 10, 2012
Revisions to EA Re-evaluation to address FHWA comments	February 10–March 12, 2012

This schedule is based upon typical agency review times. The ENGINEER will consider opportunities to accelerate the schedule where feasible.

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HNTB FEE SCHEDULEType 06 Billing Rates

		Env Project Director	Sr. Project Manager	Project Manager	Env Specialist	Senior Env Planner	Env Planner	Engineer II	Business Manager	Project Admin	Clerical/ Admin	TOTALS
FC 145	Labor Rates	\$ 187.00	\$ 185.00	\$ 140.00	\$ 109.00	\$ 94.00	\$ 85.00	\$ 80.00	\$ 115.00	\$ 86.00	\$ 63.00	
	PROJECT MANAGEMENT											
	TASK 145.01 - PROJECT ADMINISTRATION AND COORDINATION											
	A) Meetings	4	2	4	4							10
	B) Project Administration								8	12		24
	C) Progress Reports and Invoices	4		4	4							8
	D) Record Keeping and File Management	4									12	16
	E) Quality Assurance/Quality Control	4	4									8
	HNTB Subtotal Task 145.01	16	6	12					8	12	12	66
FC 120	SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES											
	TASK 120.01 - ENVIRONMENTAL ASSESSMENT RE-EVALUATION REVISIONS											
	Subtask 120.01.01 - Project History/Status				4	12						16
	Subtask 120.01.02 - Indirect and Cumulative Impacts Analysis	8	8	16	100	80	24					236
	Subtask 120.01.03 - Traffic Noise Analysis			140		40	24					204
	Subtask 120.01.04 - Other Social, Economic and Environmental Consequences	2		16	24	16	24					82
	Subtask 120.01.05 - Document Preparation and Comment/Response		16	24	40							80
	Subtask 120.01.06 - EA Re-evaluation Engineering Support		2					8				10
	HNTB Subtotal Task 120.01	10	26	200	164	148	72	8				628
	HNTB Total Hours	26	32	212	164	148	72	8	8	12	12	694
	Labor Rates	\$ 187.00	\$ 185.00	\$ 140.00	\$ 109.00	\$ 94.00	\$ 85.00	\$ 80.00	\$ 115.00	\$ 86.00	\$ 63.00	
	Total HNTB Labor Cost	\$4,862	\$5,920	\$29,680	\$17,876	\$13,912	\$6,120	\$640	\$920	\$1,032	\$756	\$81,718
	Total HNTB Expenses (see summary)											\$2,395
	Total HNTB Labor Plus Expenses											\$84,113

EXHIBIT D **HNTB FEE SCHEDULE** **Type 06 Billing Rates**

EXPENSES					Unit	Amount	Contract Rate	Cost
Travel								
Airfare (Lowest available coach fare)					ROUNDTrip	0	\$350.00	\$0.00
Automobile Mileage					MILE	120	\$0.555	\$67.00
Lodging "+ tax"					DAY	0	\$85.00	\$0.00
Rental Vehicle "+ tax"					DAY	0	\$50.00	\$0.00
Airport Parking					DAY	0	\$13.00	\$0.00
Per Diem					DAY	0	\$36.00	\$0.00
					Subtotal			\$67.00
Printing/Reproductions								
B&W Copies 8.5" x 11"					EA	6,000	\$0.065	\$390.00
Color Copies 8.5" x 11"					EA	600	\$0.75	\$450.00
Color Copies 11" x 17"					EA	600	\$1.50	\$900.00
Plots					EA	2	\$20.00	\$40.00
Color Plots					EA	2	\$1.64	\$3.28
CD Copying					EA	2	\$2.50	\$5.00
Exhibit Boards					SQ FT	0	\$7.35	\$0.00
Reproduce Plan Sets					EA	0	\$100.00	\$0.00
					Subtotal			\$1,788.28
Noise Measurement Equipment (including shipping costs)								
Delivery - Courier, Overnight, Deliveries, Postage					EA	1	\$500.00	\$500.00
					EA	2	\$19.85	\$39.70
					Subtotal			\$539.70
Total Expenses								
								\$2,394.98