

**AMENDMENT NO. 2
To
AGREEMENT FOR
PROFESSIONAL ENGINEERING DESIGN SERVICES**

**For
"IMPROVEMENTS TO LEE'S SUMMIT ROAD, ANDERSON DRIVE TO U.S. 40 HWY"
COUNTY PROJECT NO. 3122; FEDERAL PROJECT NO. STP-3301 (454)**

This Agreement Amendment is made by and between **HNTB Corporation**, hereinafter called "Engineer" or "Consultant", and the **County of Jackson, Missouri**, hereinafter called "County", this 16th day of February 2014.

Whereas, it is the mutual desire of the parties hereto to amend the Original Agreement, entered into on the March 3, 2010, by Resolution #17197 and Amendment No. 1, together hereinafter called the "Agreement".

Therefore, it is hereby agreed that the Agreements be amended as follows:

ARTICLE I – ADDITIONAL SERVICES:

The following items as described herein and summarized on attached Exhibit A are additional services to be provided by the Engineer:

- 1) Extend the schedule for delivery of final plans and specifications;
- 2) Additional plan modifications and additions required to convert the project to a MoDOT letting;
- 3) Additional utility coordination and design;
- 4) Attend additional interagency water main meetings, additional water main design, detailed breakout of KC Water vs. County cost responsibilities, and re-allocation of \$8000 from construction services to water main design;
- 5) Additional side street light design required by Kansas City; and
- 6) Additional coordination and management resulting from extended schedule.

ARTICLE II – PERIOD OF SERVICE:

The Period of Service for both the Agreement shall remain through completion of construction of the improvements.

ARTICLE III – PAYMENTS TO ENGINEER:

The payment provision shall be revised as described below:
COUNTY will pay not-to-exceed fee of **\$19,590** as compensation for required additional services, including expenses, as set forth in the attached Engineer's Proposal Exhibit A.

All payments to the Engineer for these Additional Services shall be made in conformance with the payment terms in the Original Agreement.

FILED
FEB 10 2014
MARY JO SPINO COUNTY CLERK

ARTICLE IV – ATTACHMENTS:

Exhibit A Scope of Services for Additional Design, Schedule, Task Breakout and updated Fee Schedule

This amendment will be deemed a part of, and be subject to, all terms and conditions of the Original Agreement. Except as modified above, the Existing Agreement will remain in full force and effect.

IN WITNESS WHEREOF, Jackson County, Missouri, has caused these presents to be executed in its behalf by its duly authorized agent; and the Engineer has hereunto set its hand and seal.

Approved by
MDS
Michael Sanders
County Executive

Recommended by:
Earl Newill
Earl J. Newill
Acting Director of Public Works

Approved to form this 10th day of February, 2014

W. Alpha Deacon
County Counselor

ATTEST BY:
Mary Jo Spino
Mary Jo Spino,
Clerk of the County Legislature

By: [Signature]
Engineer

REVENUE CERTIFICATE

I hereby certify that there is a balance otherwise unencumbered to the credit of the appropriation to which this Agreement is chargeable, and a cash balance otherwise unencumbered in the treasury from which payment is to be made, each sufficient to meet the obligation of \$19, 590.00 which is hereby authorized.

February 3, 2014
Date [Signature]
Finance Director

Account Code 15402014001
015 - 1540 - 8070

Tax ID # 44-6000524

ATTACHMENT A

SCOPE OF SERVICES

For additional design services on Lee's Summit Road

Project No.: Jackson County # 3122 / Federal Aid Project STP-3301(454)

AMMENDMENT DESCRIPTION

The following Scope of Work describes the requested additional Design Professional services associated with improvements to Lee's Summit Road from 1400 feet south of Anderson Drive, north to 500 feet south of US 40 Highway.

This amendment consists of design services for additional effort not requested in the original engineering contract between Jackson County and HNTB or subsequent contract amendment(s). These additional services are a result of the following changes to assumptions of project delivery and schedule within the current agreement:

- Jackson County has requested miscellaneous engineering tasks outside the scope of services for the current agreement. These tasks are included within the scope of services and fee estimate for this amendment. The tasks include specific engineering and design tasks, as requested by the County or tasks requested by MoDOT.
- Time extension to the original contract. The schedule of completion for the design phase has extended beyond the schedule established in the original engineering contract and subsequent contract amendment(s). Under the current agreement, the construction plans were to be completed prior to an October 2013 letting. It is now our understanding that the date for letting the construction project will be in March 2014. As a result of the extension to the design and construction schedule, HNTB is requesting:
 - A schedule extension,
 - Compensation for additional project management, meetings, and coordination required with Jackson County, MoDOT, KCMO and utilities thru the time extension period. HNTB is requesting compensation for these duties for the time period of October 2013 thru March 2014.

AMENDMENT TASKS

Additional Plan Conversion to MoDOT Standards

1. Remove general notes and traffic control notes from plans and incorporate into JSPs per MoDOT request.
2. Provide MoDOT requested breakout for clearing/grubbing and seeding/sodding by area, sheet or tract. Also includes updating recap table and revising BidPro.
3. Provide typical sign cross sections and calculate post lengths; assumes grouping like signs/locations together.
4. Add MoDOT requested cut/fill information to the cross sections. This information is approximate based on end-area volumes without any VMF factors or over-excavation included. Also does NOT include any rock/common/unclassified classifications.
5. Show Right-of-Way, Temporary Construction Easements and approximate grading limits on Lee's Summit Road cross sections; does not include side streets or other non-mainline areas.

Additional Utility Coordination

1. Add entrance on 54th Street to accommodate MGE station.

Additional Construction Phasing/Traffic Control Effort

1. Additional consideration and coordination regarding construction phasing with regard to revised schedule.
2. Revise phasing notes and revise traffic control JSP accordingly.

Additional Waterline Design Tasks

1. Four (4) additional meetings with MoDOT for north end project coordination; preparation of meeting minutes for 2 meetings; prepare alignment exhibits for north end
2. Additional preliminary and final design for an additional 200 feet of waterline on MoDOT led 40 Highway project; previously assumed 600 feet instead of the current 800 feet needed
3. Breakout waterline quantities for KCMO, County and MoDOT; for Lee's Summit Road project, quantities are to be separated by relocation area (conflict or upgrade); however, this information does NOT need to be broken out in the plan recap tables or as part of the bid information.
4. Reduction in \$8,000 of waterline construction phase services to offset the additional waterline design effort.

Additional Street Lighting Design Effort

1. Provide street lighting analysis for side street connections
2. Revise circuiting per KCMO request
3. Revise mast arm lengths for different offsets per KCMO request
4. Revise quantities, summary tables and BidPro for above changes

Additional Management and Coordination

1. Additional coordination, communication and management required do toe extended schedule (10/1/13 to 3/28/14). Assumes less than one hour of Project Manager effort per week on average for the 26 additional weeks.

AMENDMENT ASSUMPTIONS

1. MoDOT will not require full size plan submittals for PS&E, final PS&E, or for bid plans. Deliverable will be PDF format on a DVD or posted to MoDOT's FTP site.
2. No other changes to the 100% complete design plans are included except those specifically included herein.

SCHEDULE

The following schedule has been developed under the time frame requirements of MoDOT's revised schedule for P.S. & E. submittal and review of the road project. The schedule and milestones for the additional services are:

- December 11, 2013: Notice to Proceed
- NTP-January 31, 2014: Preparation of project manual and design plan changes/modifications.
- NTP thru March 28, 2014: Continued coordination with MoDOT and County with regard to the project plans and specifications
- January 10, 2013: P.S.&E. Submittal to MoDOT
- January 24, 2013: Address any P.S.&E. Comments & Submit Bid P.S.&E. Package
- February 2014: MoDOT to advertise the construction project
- March 2014: Bid opening
- May 2014: Begin Construction
- November 2015: End Construction



HNTB Job No. 49917: Improvements to Lee's Summit Road (40 Highway to Anderson Road)

TASK BREAKOUT

Items	Principal	Senior Project Manager	Senior Electrical Engineer	Senior Water Engineer	Project Engineer	Design Engineer II	Design Engineer	Technician / Admin	TOTAL
A. Additional Plan Conversion to MoDOT Standards									
1. General Notes/Typicals/Quantities/ISPs									
a. Remove General Notes and Traffic Control Notes from plans; incorporate into ISPs		1			2		0	2	5
b. Revise ISP for 1' egg base beyond BOC (no plan or qty revisions)		0			0		0	0	0
c. Revise aggregate-base quantities, update table and revise BidPro					0		0	0	0
d. Provide breakout for clearing/grubbing and seeding/sodding by area, sheet or tract; update table, revise BidPro					4		4	2	10
2. Traffic Control/Signing									
a. Use MoDOT 28S sheets for traffic control breakout		0			0		0	0	0
b. Add typical sign cross sections and calculate post lengths (assumes grouping like signs/locations together)		1			8		16	2	27
c. Use MoDOT D29 & D30 sheets and breakout signing quantities					0		0	0	0
3. Earthwork/Cross-Sections									
a. Include quantities for rock and soil excavation classifications per County provided estimated percentages		0			0		0	0	0
b. Estimate FTO earthwork "corrections" for storm sewer structures and pipes		0			0		0	0	0
c. Update earthwork summary table and revise BidPro for changes					0		0	0	0
d. Add cut/fill information to cross sections		1			12		0	12	25
e. Create R/W, TCE and grading limit features/annotation on cross sections					4		0	6	10
4. Other									
a. Revise sheet naming convention to be MoDOT compliant		0			0		0	0	0
B. Utility Coordination									
1. Prepare for and attend additional utility coordination meeting		0			0		0	0	0
2. Additional coordination and one, 1-hour meeting regarding ACT-7 relocation at south end of project		1			4		0	2	7
3. Add entrance on 54th Street to accommodate MGE station									
C. Construction Phasing/Traffic Control									
1. Additional consideration and coordination regarding construction phasing with regard to revised schedule		4			4		0	0	8
2. Revise phasing notes and revise ISP accordingly		1			4		0	4	9
D. Waterline Plans (Additional Effort beyond previously scoped)									
1. Meetings (4) with MoDOT for north end of project, and prepare minutes for 2		3		9	1		2	0	15
2. Alignment exhibits for the MoDOT led north end of ISR				0	0		0	0	0
3. Preliminary design of 200ft additional (anticipated 600ft, now 800ft) on MoDOT led project		1		4	2		16	4	27
4. Final design of 200ft additional (anticipated 600ft, now 800ft) on MoDOT led project		1		2	1		10	4	18
5. Breakout quantities for KCMO, County and MoDOT; recap information similar to Flintlock plans									
6. Show existing and proposed waterlines in culvert profiles and cross-sections									
7. Reduction in preconstruction conference effort				-1			-4		-5
8. Reduction in answering questions/interpreting documents during construction		-2		-4			-20	-8	-34
9. Reduction in onsite visits and project meetings				-4			-24		-28

E. Street Lighting		1	6																	
1.	Provide street lighting analysis for side street connections	1	6																	
2.	Revise circulating per KCMO request	0	0																	
3.	Revise mast arm lengths for different offsets per KCMO request	0	0																	
4.	Revise quantities, summary tables and BidPro for above changes	0	0																	
F. Management and Coordination																				
1.	Additional coordination, communication and management required do to extended schedule (10/1/13 to 3/28/14). Assumes 2 hours PM time per week on average for the 26 weeks.	0	22																	
SUBTOTAL		0	35	6	43	3	0	30	123											
SUBTOTAL																				
2013-2014 LABOR BILLING RATES (\$/Hour)		0	35	6	43	3	0	30	123											
SUBTOTAL COST		\$265.00	\$200.00	\$190.00	\$175.00	\$115.00	\$105.00	\$120.00												
		\$0	\$7,000	\$1,140	\$1,050	\$345	\$0	\$3,600	\$18,540											

TOTAL (DESIGN AND EXPENSES) = \$19,590

EXPENSES:	
plotting/reprod	\$600
mileage	\$50
Total Expenses	\$650

REVISED FEE SCHEDULE - LEE'S SUMMIT ROAD

Rates Valid Through 7-1-2014

CLASSIFICATION:	RATE:
ROADWAY	
Principal	\$265
Sr. Project Manager	\$200
Senior Engineer	\$190
Project Engineer	\$135
Design Engineer III	\$125
Design Engineer II	\$115
Design Engineer	\$105
Sr. Technician	\$120
Technician	\$90
Clerical/Project Admin.	\$120
GEO TECHNICAL	
Department Leader	\$180
Senior Engineer	\$165
Design Engineer	\$135
Technician	\$120
BRIDGE	
Department Leader/Senior Project Manager	\$200
Task Leader/Senior Engineer	\$180
Engineer II	\$145
Engineer	\$130
Technician	\$115
Hydraulics/Hydrology	
Task Manager/Senior Engineer	\$175
Engineer III	\$125
Engineer	\$105
Technician	\$90
ENVIRONMENTAL/NEPA	
Department Leader	\$225
Senior Environmental Planner	\$155
Technician/Jr. Planner	\$110
PUBLIC INVOLVEMENT	
Public Involvement manager	\$125
Clerical	\$95
ELECTRICAL/LIGHTING	
Senior Engineer	\$190
Design Engineer	\$175
Technician	\$140
URBAN PLANNING/BMP	
Landscape Architect Lead	\$140
Design Landscape Architect	\$130