



Martin G. Buehler, P.E.
Director of Transportation/County Engineer

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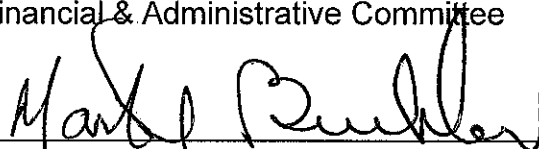
**Washington Street (Cemetery Road to IL Rte. 21):
Change Order No. 1 and Final**

TO: Public Works and Transportation Committee
Financial & Administrative Committee

DATE: October 7, 2009

DATE: October 7, 2009

FROM:


Martin G. Buehler
County Engineer

SUBJECT: Change Order No. 1
Section No. 02-00110-12-WR

Joint committee action item approving Change Order No. 1 for the Washington Street Phase II Engineering Contract Section No. 02-00110-12-WR

- Change orders need to be approved by the standing committees for cumulative net increases over 10%.
- The Phase II Engineering for Washington Street project is under an original awarded contract at a maximum amount of \$348,447.36.
- Change order No. 1 covers additional engineering to complete the plans and specifications that is outside the scope of the original contract.
- The original appropriation of \$420,000.00 of Motor Fuel Tax funds is sufficient. No additional appropriation is necessary.

Summary:

Original awarded Phase II Engineering	\$348,447.36
Change Order No. 1	\$49,800.00
Sum of all changes	\$49,800.00

ILLINOIS DEPARTMENT OF TRANSPORTATION

Request for Approval
of Change in Consultant Contract

Date: 09/24/2009

Local Agency: LAKE COUNTY

Request: No. 1

Name: Washington Street,
Cemetery Road to IL Rte 21
Section: 02-00110-12-WR

To: Department of Transportation
LCDOT/SCHAUMBURG

Consultant: Crawford, Murphy and Tilly, Inc.

I recommend that an addition be made to the above consultant contract.

The estimated work is listed below

Original contract amount for services described:	\$348,447.36
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Sum of all previous contract change orders:	\$0.00
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Item #	Description	Additions	Deductions
1	Additional coordination required with the Tollway and their consultant to resolve issues with Washington Street roadway and drainage.	\$7,200.00	
2	Additional coordination with the utilities in their relocation plans.	\$14,600.00	
3	Additional coordination and review of the Gurnee project to the west.	\$3,000.00	
4	Additional soil borings per LCDOT soils review meeting	\$3,600.00	
5	Shop drawing review for phase III for structural work.	\$4,400.00	
6	Changes to final plans per IDOT directives and to eliminate the temporary grading easement after failure to acquire from landowner.	\$8,000.00	
7	An increase in the number of plan sheets from the original estimate	\$9,000.00	
TOTALS		\$49,800.00	\$0.00
NET CHANGE		\$49,800.00	\$0.00

Net ADDITION change to date \$49,800.00 which is 14.29 % of the original contract amount for services described

State fully the nature and reason for change:

Please see attached.

Revised contract amount for services described:	\$398,247.36
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When the net increase or decrease in the cost of the contract is \$10,000 or more or the time of completion is increased or decreased by 30 days or more, one of the following statements shall be checked.

The undersigned has determined that the circumstances that necessitate this change were not reasonably foreseeable at the time the contract was signed.

The undersigned has determined that the circumstances that necessitate this change are germane to the original contract.

The undersigned has determined that this change is in the best interest of the local agency and is authorized by law.

Project Engineer *[Signature]* Date 9/25/09

Design Engineer *[Signature]* Date 9/25/09

Approval Recommended _____ Date _____
County Engineer

APPROVED

DEPARTMENT OF TRANSPORTATION

Approved _____

Regional Engineer

County Engineer
On Behalf of IDOT pursuant to Agreement
of Understanding dated January 22, 2003

BLR13210 LCDOT Adaptation
Submit 3 copies of this form to Regional Engineer (4 copies for road district)



September 25, 2009

Mr. Dan Helgren, P.E.
Project Engineer
Lake County Division of Transportation
600 West Winchester Road
Libertyville, IL 60048

Re: 08224-01-00 Washington Street
Job Number C-91-187-05
Project Number M-8003(506)
Section Number 02-00110-12-WR

Dear Mr. Helgren:

As a follow up to prior conversations and our letter dated May 5, 2009 on the above referenced project, we are asking for your consideration in supplementing our engineering fees on the Phase II portion of the contract. As the project has been submitted final and are awaiting a September 18, 2009 letting, we trust that you have seen the value of the additional engineering services provided. Our overall project engineering efforts on the project are now above the current contract amount of \$348,447.36. (This amount has since been exceeded since our original correspondence in May for the process of plan and spec completion in May and subsequent adjustments to meet IDOT requirements for the letting.)

In general, the additional effort and/or project scope changes can be categorized into one of the following areas listed below. While we believe there is additional contract justification to items 3 and 6 from our May correspondence, we have respectfully removed these from this request. We have added one item since our May letter regarding the additional efforts requested by the County to revise the documents to address ongoing right-of-way and easement negotiations as well as IDOT's district comments received after the final plans were already issued (item 6.)

- 1) Coordination related to the drainage and bridge cone areas of the Tri-State Tollway. This involved several iterations of design as well as ongoing dialogue with the Tollway's design consultant, Bowman Barrett and Associates to modify their previous design and construction efforts so as not to adversely impact the Washington Street project. These efforts were performed with knowledge of the County and proved to be significant in the Tollway accepting responsibilities for the impacts of their construction on the County's facilities and ensuring the construction activities and cost were not borne by Lake County.

Approximate effort used for this item is 80 hours at a cost of \$ 7,200.

- 2) Additional meetings and significant increase in effort associated with the coordination with utilities, primarily Com Ed and AT & T, particularly the CEV location to prove their relocation efforts were to be initiated and completed at their costs prior to the anticipated construction start of the roadway project. The original contract only allotted 17 hours for the entire utility coordination efforts.

Approximate effort used for this item is 160 hours at a cost of \$14,600.

- 3) The coordination, review of and meeting with the Village of Gurnee on their project to the west of our limits as the contract assumption was that the Gurnee project was already constructed.

Approximate effort used for this item is 30 hours at a cost of \$ 3,000.

- 4) At the direction of the County, the taking of three additional geotechnical borings, supplemental to the original contract, originally anticipated to be performed in 2006/2007 but completed in 2009. The revised program cost is \$11,400 versus the original contract proposal of \$7800.

Approximate additional cost for this item is \$ 3,600. (See TSC revised proposal.)

- 5) Lake County requested CMT to project time to assist in shop drawing review during the upcoming construction phase of the project.

Approximate estimated effort for this item is anticipated to be 40 hours at an average cost of \$110/hour (primarily for structural personnel) for an estimated amount of \$ 4,400.

- 6) Supplementary engineering services and mylar printing costs per the County's direction to revise plans after 100% submittal to reflect the ongoing right-of-way and easement negotiations as well as to address IDOT District and Central office comments made after the 100 % submittal and prior to the September letting.

The approximate effort for this item is 80 hours at a cost of \$ 8,000.

- 7) Additional Plan Sheets (in accordance with our initial submittal and your subsequent review and evaluation as described in your Aug. 26,2009 e-mail) as follows:

- More detailed MOT (+4 plan sheets)
- Additional traffic signal plans (+4 plan sheets)
- Additional Cross Sections (+4 plan sheets)
- Additional retaining wall plans (+2 plan sheets)
- Additional erosion control plans—by stage (+8 plan sheets)
- Grading plan for Centerpoint Properties (+1 plan sheet)

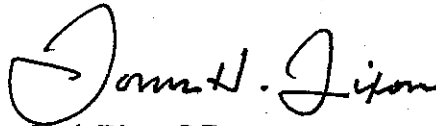
The approximate effort for these additional 23 plan sheets at a cost of \$9,000.

The total for these identified scope changes equate to approximately \$49,800. We respectfully request an increase in the amount of \$49,800 for these supplemental engineering efforts which were not anticipated in the design services agreement. This would establish a revised not-to-exceed contract limit of \$398,247.36. The final design engineering costs would be at 6.6% of the construction costs, which is lower than the original design percentage of 7.4%. We trust that the County recognizes that our efforts have provided considerable value and will contribute to positive bid results, potential cost savings and the timely progress of construction.

We appreciate the opportunity to provide engineering services on this project and to continue our relationship with the Lake County. If you have any questions, need additional information, or would like to meet, please contact Steve Prange or me at our Aurora office.

Sincerely,

CRAWFORD, MURPHY & TILLY, INC.

A handwritten signature in cursive script that reads "Louis H. Dixon".

Louis Dixon, P.E.
Project Principal

Cc: CMT Accounting—Tom Roy
CMT Contract File 08224-01-00