



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

600 West Winchester Road
Libertyville, Illinois 60048-1381
Phone (847) 377-7400
Fax (847) 362-5290


Peterson Road at IL Route 60 Intersection Improvements
LCDOT Change Order No. 2

TO: Public Works and Transportation Committee
Financial Administrative Committee

Committee Action Meeting Date

DATE: December 2, 2009

DATE: December 2, 2009

FROM: 
Martin G. Buehler, P.E.
County Engineer

SUBJECT: Change Order No. 2

Section No. 00-00098-11-CH

Joint Committee action item approving Change Order No. 2, consisting of an increase of \$45,168.19 for additions to the Peterson Road at IL Route 60 Intersection Improvement's Engineering Services, designated as Section No. 00-00098-11-CH.

- Peterson Road at IL Route 60 Intersection Improvement, Engineering Services: LCDOT Change Order No. 2
- Change Orders need to be approved by the standing committees for cumulative net increases over 10%.
- The Peterson Road at IL Route 60 Intersection Improvement project is under contract with Teng and Associates, in the amount of \$614,216.30.
- The scope of work covered in this change order is for: update plats to IDOT format for parcels IDOT is now acquiring; provide the detailed structure plans for the extension of the Squaw Creek box culvert; and miscellaneous Phase III coordination and direct costs.

Summary:

Original awarded contract:	\$592,483.12
Change Order No. 2:	\$45,168.19
Sum of all changes:	\$659,384.49

ILLINOIS DEPARTMENT OF TRANSPORTATION

Request for Approval
of Change in Consultant Contract

Date: 11/18/2009

Local Agency: LAKE COUNTY

Request: No. 2

Name: Peterson Road at IL Rt 60
Phase II Engineering

To: Department of Transportation
LCDOT / SCHAUMBURG

Section: 00-00098-11-CH

Consultant: Teng and Associates

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

The estimated work is listed below

Original contract amount for services described:	\$592,483.12
--	--------------

Sum of all previous contract change orders:	\$21,733.18
---	-------------

Item #	Description	Additions	Deductions
1	Revisions to IL Route 60 Plats from LCDOT format to IDOT format	\$2,348.94	
2	Detailed Structural Plans at Squaw Creek Culvert Extension	\$37,670.01	
3	Phase III Cordination	\$2,299.89	
4	Direct Costs	\$2,849.35	
TOTALS		\$45,168.19	\$0.00
NET CHANGE		\$45,168.19	\$0.00

Net ADDITION change to date \$66,901.37 which is 11.29 % 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:	\$659,384.49
---	--------------

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 determined that the circumstances which necessitated this change were not reasonably foreseeable at the time the contract was signed.

The undersigned determined that the circumstances which necessitated this change were not within the contemplation of the contract as signed.

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

APPROVED

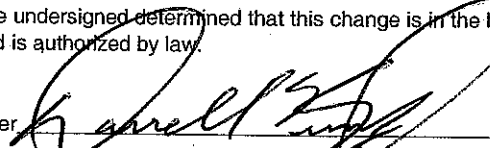
DEPARTMENT OF TRANSPORTATION

Approved _____

Regional Engineer

County Engineer

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

Project Engineer  Date 11/18/09

Engineer of Design  Date 11/18/09

Approval Recommended _____ Date _____

County Engineer

**Supplement #2 Scope
Peterson Road Relocation Phase II
Sec 00-00098-11-CH
Teng Project No. 02-3220-02**

SUPPLEMENT ITEM 1 - Update Plats & Legals (0006, 0007, 0008 & 0009) (20 hours)

In September 2008, LCDOT directed Teng to update Plats and Legals for IL Route 60 Parcels 0006 (Saddlebrook), 0007 Trinity Mills), 0008 (Turks), and 0009 (Mateja) in accordance with the IDOT Plat and Legal markups in order to be in compliance with IDOT Plat and Legal format. The purpose of this revision was to allow the State to assist in the Land Acquisition along IL Route 60. The changes included updates to the plan formats, callouts, and addition of station/ offsets. Legal descriptions were also updated to adhere to the format requested by the State reviewers. Updates to plats and legals required 5 hours per parcel.

SUPPLEMENT ITEM 2 – Detailed Structure Plan Development (332 hours)

The original scope of services included manhours only for the “TS&L (40 hours)” for the culvert extension for the Squaw Creek Culvert under IL Route 60. It was anticipated during prime agreement that structure ‘design’ and requirements would be determined during TS&L development and manhours negotiated in a subsequent Supplement. The detailed structural plans required for construction include the following:

- General Plans & Elevation
- General Notes, Index of Sheets
- Temporary Soil Retention System
- Temporary Geotextile Wall (Required for additional IL60 LTL width)
- West Extension Plans & Elevation
- West Extension Sections & Details
- East Extension Plans & Elevation
- East Extension Sections & Details
- Soil Boring Logs

SUPPLEMENT ITEM 3 – Phase III RFI and Coordination (16 hours)

Manhours required for Phase III Coordination

DIRECT COSTS

Additional Direct Costs required for completion of Phase II design.

**EXHIBIT B
SUMMARY OF WORKHOURS BY TASK (PHASE II)
SUPPLEMENT #2**

			Sub / Total	Total
1.	Revisions to IL Route 60 Plats From LCDOT to IDOT Format (0006, 0007, 0008, 0009)			20
	Revise Plat Format, Callouts & Text			
		Parcel 0006	3	
		Parcel 0007	3	
		Parcel 0008	3	
		Parcel 0009	3	
	Revise Plat Legal Descriptions			
		Parcel 0006	2	
		Parcel 0007	2	
		Parcel 0008	2	
		Parcel 0009	2	
2.	Detailed Structural Plan Sheets for Squaw Creek Culvert Extension			332
	General Plan and Elevation		48	
	General Notes, Index of Sheets & BOM		20	
	Temporary Soil Retention System		40	
	Temporary Geotextile Wall		40	
	West Extension Plan & Elevation		40	
	West Extension Sections & Details		40	
	East Extension Plan & Elevation		48	
	East Extension Sections & Details		48	
	Soil Boring Logs		8	
3.	Phase III RFI and Coordination			
			16	
				16
	Total			368

Peterson Rd at Rte 60
Lake County

Exhibit C
AVERAGE HOURLY RATES

Classification	Current Rate	Escalated Rate	Item #1 Right of Way		Item #2 Structural		Item #3 Phase III		Item #4		Item #5	
			% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate
Technical Manager	\$59.06	\$59.06/hr	10%	\$5.91/hr	5%	\$2.95/hr	35%	\$20.67/hr				\$0.00/hr
Senior Engineer	\$50.82	\$50.82/hr	15%	\$7.62/hr	20%	\$10.16/hr	40%	\$20.33/hr				\$0.00/hr
Engineer	\$39.46	\$39.46/hr	55%	\$21.70/hr	45%	\$17.76/hr	20%	\$7.89/hr				\$0.00/hr
Technician	\$29.62	\$29.62/hr	20%	\$5.92/hr	30%	\$8.89/hr	5%	\$1.48/hr				\$0.00/hr
Average Rate			100%		100%		100%		0%		0%	\$0.00/hr
				\$41.16/hr		\$39.76/hr		\$50.37/hr		\$0.00/hr		\$0.00/hr

Classification	Current Rate	Item #6		Item #7		Item #8		Item #9		Item #10	
		% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate	% Part	Wgt. Rate
Technical Manager	\$59.06	\$59.06/hr				\$0.00/hr		\$0.00/hr		\$0.00/hr	\$0.00/hr
Senior Engineer	\$50.82	\$50.82/hr		\$0.00/hr		\$0.00/hr		\$0.00/hr		\$0.00/hr	\$0.00/hr
Engineer	\$39.46	\$39.46/hr		\$0.00/hr		\$0.00/hr		\$0.00/hr		\$0.00/hr	\$0.00/hr
Technician	\$29.62	\$29.62/hr		\$0.00/hr		\$0.00/hr		\$0.00/hr		\$0.00/hr	\$0.00/hr
Average Rate			0%	\$0.00/hr	0%	\$0.00/hr	0%	\$0.00/hr	0%	\$0.00/hr	\$0.00/hr

**Exhibit D
ESTIMATE OF DIRECT COSTS**

ITEM	Original		Utilized to Date		Additional Required to Complete			Additional Required For Supplement
	Rate	Qty	TOTAL	TOTAL	Rate	Qty	TOTAL	
In House Direct Cost								
Film / Site Photos	5 \$/roll	5	25.00					
Vehicle	40 \$/day	10 days	400.00	449.57				
Survey Vehicle	40 \$/day	21 days	820.00	800.00				
Record Document Copies			100.00	\$40.34				
Printing Mylars	30 \$/sht	195	5,835.00	\$0.00		50	500.00	
Printing 12"x18" plans	0.10 \$/sht	7154.5	715.45		0.13 \$/sht	6000	780.00	
Printing 22"x34" plans	0.10 \$/sht	6107.5	610.75	\$6,507.41	0.60 \$/sht	2250	1,350.00	
Printing Specs	0.10 \$/sht	3500	350.00		0.10 \$/sht	2000	200.00	
Messenger / Overnight Delivery	\$30	10	\$300	\$1,078.23	\$30	10	\$300	
			Total 9,156.20	Total 8,875.55			Total 3,130.00	2,849.35

