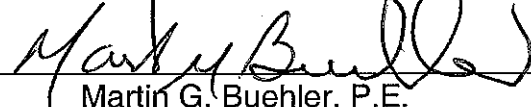


Delany Road Widening
(Sunset Avenue to Wadsworth Road)
LCDOT Change Order No. 5

TO: Public Works and Transportation Committee
Financial Administrative Committee

FROM:



Martin G. Buehler, P.E.
County Engineer

Committee Action Meeting Date

DATE: April 6, 2011

DATE: April 6, 2011

SUBJECT: Change Order No.5
Section No. 00-00093-15-WR

Joint Committee action item approving Change Order No. 5 consisting of an increase of \$39,466.62 for additions to the Delany Road Widening (Sunset Avenue to Wadsworth Road), Engineering Services, designated as Section No.00-00093-15-WR.

- Delany Road Widening (Sunset Avenue to Wadsworth Road), Engineering Services: LCDOT Change Order No 5.
- Change Orders need to be approved by the standing committees for cumulative net increases over 10%.
- The Delany Road Widening, project is under contract with Engineering Christopher B. Burke Engineering, in the amount of \$883,373.49.
- Additional engineering services are being requested for revisions to Plat of Highway and Legal Descriptions, adding curb/gutter/storm sewer to Wadsworth Rd. west of Delany, deleting the Joseph Drive proposed right turn lane, creating sediment/erosion control plans per stage, and additional agency coordination.

Summary:

Original awarded contract:	\$644,693.72
Change Order No.5:	\$ 39,466.62
Sum of all changes:	\$278,146.39

ILLINOIS DEPARTMENT OF TRANSPORTATION

Request for Approval
of Change in Consultant Contract

Date: _____ Local Agency: LAKE COUNTY
 Request: No. 5 Name: Delany Road Widening (Sunset Avenue to Wadsworth Road) Phase II
 To: Department of Transportation LCDOT/SCHAUMBURG Section: 00-00093-15-WR
 Consultant: Christopher B. Burke Engineering

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

The estimated work is listed below

Not to exceed original contract amount for services described:	\$644,693.72
--	--------------

Item #	Description	Unit	Additions	Deductions
1	Land Acquisition Updates: Revise Plat of Highways, Legal Descriptions and Plan Sheets	Lump Sum	\$3,634.91	
2	Geometric Revisions: Adding curb & gutter, closed drainage system to Wadsworth Road; eliminating the right turn lane at Joseph Drive; Revising plans for Blanchard Road to reflect work done by Waukegan.	Lump Sum	\$12,532.20	
3	Sediment & Erosion Control Updates: Sediment & Erosion Control plans to be enhanced by providing by construction stage plans. Adding information to limit maximum areas exposed to 20 acres.	Lump Sum	\$15,322.87	
4	Agency Coordination: Coordination with Lake County SMC and Army Corps of Engineers to extend permits. Additional coordination with Waukegan for water main design.	Lump Sum	\$7,976.64	
TOTALS			\$39,466.62	\$0.00
NET CHANGE			\$39,466.62	\$0.00

Net ADDITION change to date \$278,146.39 which is 43.14 % of the original contract amount for services described

State fully the nature and reason for change:

Please see attached.

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.

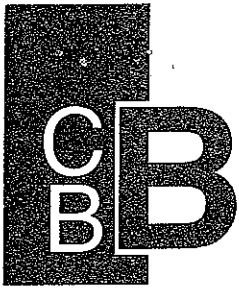
Project Engineer *Paul W. ...* Date 29 March 2011
 Design Engineer *Mark B. ...* Date 3/29/11

APPROVED
 DEPARTMENT OF TRANSPORTATION
 Approved _____

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

Approval Recommended _____ Date _____
 County Engineer

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



CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX(847) 823-0520

March 28, 2011
Revised March 29, 2011

Lake County Division of Transportation
600 W. Winchester Road
Libertyville, IL 60048

Attention: Richard McMorris, PE

Subject: Delany Road (W27) Improvement: Sunset Ave to Wadsworth Rd
Section No. 00-00093-15-WR
Additional Phase II Engineering Services

Dear Mr. McMorris:

Per Lake County Division of Transportation's (County) request, Christopher B. Burke Engineering, Ltd. (CBBEL) is submitting this proposal to amend the scope of the January 11, 2005 approved engineering services (original contract) for Delany Road project between Sunset Avenue and Wadsworth Road.

UNDERSTANDING OF THE ASSIGNMENT

The services to be added to the project scope are Plat of Highway/Legal revisions, adding curb/gutter/storm sewer to Wadsworth Rd west of Delany, deleting the Joseph Drive proposed right turn lane, creating sediment/erosion control plans per stage, and Agency Coordination as described below.

SECTION I - SCOPE OF BASIC SERVICES

The Scope of Services has been broken down into the following tasks.

Task 1 – Land Acquisition Updates:

County requested that the following revisions be made to the June 30, 2010 Sealed Plat of Highways.

- Delete Parcel 11 and Parcel 58TE.
- Revise Parcel 61 from PE to fee simple Pr ROW.
- Revise 51TE, and 50TE to have temporary easements approx 40' wide at driveways only.

These updates will be carried through the Plat of Highways, Legal Descriptions and Plans.

Task 2 – Geometric Revisions:

Resulting from Task 1, the County requested that the following revisions be made.

- Revising the western 700 feet of Wadsworth Road from an open drainage system to a closed system on the north side of the roadway. Concrete curb and gutter will be installed with a swale and inlet system feeding into a trunk storm sewer system under the proposed roadway pavement.
- Revising the Joseph Drive intersection by eliminating the proposed right turn lane and adjusting the storm sewer system as needed.
- Revise Blanchard Road Plans to show City of Waukegan constructing the majority of the Blanchard Road improvement. Update Cost Estimate to show City's increased funding participation.

These updates will be carried through the Plans (revised sheets: proposed, drainage, pavement marking, sed/eros control, and cross sections) and Cost Estimate.

Task 3 – Sediment and Erosion Control Updates:

To better aid the Resident Engineer and accommodate LCSMC general requests, the sediment and erosion control plans will be enhanced. Resulting from this, the County requested that the following revisions be made.

- Provide plan sheets that correspond to construction Pre-Stage, Stage 1 and Stage 2.
- Remove temporary soil and erosion control measures from the Landscape sheets.
- Add notes/linework clarifying that Contractor can only expose a maximum of 20 acres at a time.

These updates will be carried through the Plans, SWPPP and Summary of Quantities.

Task 4 – Agency Coordination:

As the design duration of this project has been extended by a few years, the coordination has continued as well.

- CBBEL will coordinate with Lake County Stormwater Management Commission and the U.S. Army Corps of Engineers to verify that all permits will be valid through the beginning of construction (anticipated for Fall of 2011 for the South project and Fall of 2012 for the North Project).
- CBBEL will coordinate with the City of Waukegan regarding geometric and land acquisition changes as they affect the City's water main design.
- CBBEL will coordinate with Lake County Forest Preserve regarding planting material and special provisions and field tile revisions.
- CBBEL will also continue to coordinate with LCDOT as part of project development.

These updates will be carried through the Plans, Special Provisions and Estimate as needed.

SECTION II - FEES

We have determined the costs specified on Attachment B for the tasks described in this proposal. The costs are in accordance with the terms of our existing agreement with the County for the Delany Road improvement project. With this increase in hours and fees our total not-to-exceed contract value will be revised upward by \$39,466.62, from \$883,373.49 to \$922,840.11.

If this proposal meets with your approval, please sign both copies and return one to us for our files.

Very truly yours,



Christopher B. Burke, PhD, PE, D.WRE, F.ASCE
President

**THIS PROPOSAL, SCHEDULE OF CHARGES AND GENERAL TERMS AND
CONDITIONS ACCEPTED FOR LAKE COUNTY DIVISION OF TRANSPORTATION.**

BY: _____

TITLE: _____

DATE: _____

Supplement No 5

Cost Estimate of
Consultant Services
(CPFF)

Client Lake County Division of Transportation Date 03/28/11
 Firm Christopher B. Burke Engineering, Ltd.
 Route Delany Road (W27) Improvement: Sunset Ave to Wadsworth Rd
 Section 00-00093-15-WR
 County Lake
 Job No. _____
 PTB & Item _____
 Overhead Rate 144.80%
 Complexity Factor 0

Item	Manhours	Payroll	Overhead & Fringe Benefits	In-House Direct Costs	Fixed Fee	Outside Direct Costs	Services By Others	Total	% of Grand Total
Land Acquisition Updates	29	\$1,242.48	\$1,799.11	\$133.00	\$460.32			\$3,634.91	9.21%
Geometric Revisions	110	\$4,471.06	\$6,474.09		\$1,587.05			\$12,532.20	31.75%
Sediment and Erosion Control Updates	134	\$5,395.76	\$7,813.06	\$173.60	\$1,940.45			\$15,322.87	38.82%
Agency Coordination	69	\$2,845.79	\$4,120.70		\$1,010.14			\$7,976.64	20.21%
TOTALS	342	\$13,955.09	\$20,206.97	\$306.60	\$4,997.96	\$0.00	\$0.00	\$39,466.62	100.00%

Supplement No 5

Client Lake County Division of Transportation

Average Hourly Project Rates

Route Delany Road (W27) Improvement: Sunset Ave to Wadsworth Rd

Section 00-00093-15-WR

County Lake

Consultant Christopher B. Burke Engineering, Ltd.

Date 03/29/11

Job No. _____

Sheet 1 OF 1

PTB/Item _____

Payroll Classification	Avg Hourly Rates	Total Project Rates			Land Acquisition Updates			Geometric Revisions			Sediment and Erosion Control Updates			Agency Coordination			Hours		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	70.00	0																	
Engineer VI	70.00	0																	
Engineer V	57.69	8	2.34%	1.35															
Engineer IV	46.86	32	9.36%	4.38	2	6.90%	3.23	16	14.55%	6.82	2	1.49%	0.86	4	5.80%	3.34			
Engineer III	38.31	128	37.43%	14.34	4	13.79%	5.28	48	43.64%	16.72	6	4.48%	2.10	8	11.59%	5.43			
Engineer I/II	31.01	0									44	32.84%	12.58	32	46.38%	17.77			
Env. Res. Spec. V	58.50	0																	
Env. Res. Spec. IV	45.75	12	3.51%	1.61							8	5.97%	2.73	4	5.80%	2.65			
Env. Res. Spec. III	39.10	0																	
Env. Res. Spec. II	30.75	0																	
Env. Res. Technician	31.75	0																	
Landscape Architect	46.00	0																	
Survey V	68.50	1	0.29%	0.20	1	3.45%	2.36												
Survey IV	49.25	4	1.17%	0.58	4	13.79%	6.79												
Survey III	47.00	0																	
Survey II	31.33	4	1.17%	0.37	4	13.79%	4.32												
Survey I	27.33	0																	
Cad Manager	48.50	8	2.34%	1.13	8	27.59%	13.38												
Asst. Cad Manager	43.25	0																	
Cad II	40.16	140	40.94%	16.44	4	13.79%	5.54	44	40.00%	16.06	72	53.73%	21.58	20	28.99%	11.64			
Cad I	30.00	0																	
Engineering Tech IV	46.17	0																	
Engineering Tech III	40.62	0																	
Engineering Tech I/II	27.68	0																	
GIS Specialist III	38.00	0																	
GIS Specialist I/II	21.50	0																	
Administrative	28.03	5	1.46%	0.41	2	6.90%	1.93				2	1.49%	0.42	1	1.45%	0.41			
		0																	
		0																	
		0																	
		0																	
TOTALS		342	100%	\$40.80	29	100%	\$42.84	110	100%	\$40.65	134	100%	\$40.27	69	100%	\$41.24	0	0%	\$0.00