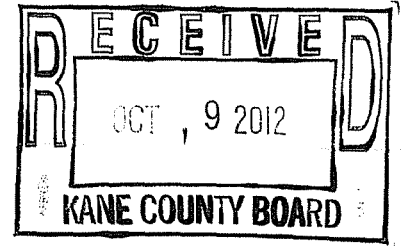


County of Kane
Office of County Board
Kane County Government Center



Karen McConnaughay
Chairman
630-232-5930



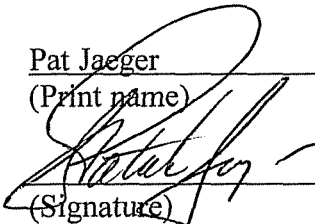
719 Batavia Avenue
Geneva, Illinois 60134
Fax 630-232-9188

DOCUMENT VET SHEET
for
Karen McConnaughay
Chairman, Kane County Board


Name of Document: Approving Amendment #2 to a Phase II Engineering Services
Agreement with CMT for Plank Road Realignment, Kane Co
Sec #10-00095-00-FP

Submitted by: Linda Haines

Date Submitted: September 10, 2012

Examined by: Pat Jaeger
(Print name)

(Signature)

September 24, 2012
(Date)

Post on Web: Yes No Atty. Initials 

Comments: (3) amendments to sign!
TO County Clerk for signature!

Chairman signed: Yes No October 16, 2012
(Date)

Document returned to: _____

**AMENDMENT #2 TO AN AGREEMENT
BETWEEN THE COUNTY OF KANE & CRAWFORD MURPHY & TILLY INC. FOR
PHASE II ENGINEERING SERVICES OF
THE PLANK ROAD REALIGNMENT
KANE COUNTY SECTION NO. 10-00095-00-FP**

PURCHASE ORDER # 2012-144

This Amendment No. 2 made this 9th day of October 2012 between COUNTY OF KANE, a body corporate and politic of the State of Illinois (hereinafter referred to as the "COUNTY"), and CRAWFORD MURPHY & TILLY CONSULTANTS, INC.), a Delaware corporation authorized to do business in the State of Illinois and an Illinois licensed professional engineering firm, with offices at 550 North Commons Drive, Suite 116, Aurora, Illinois 60504 (hereinafter referred to as the "CONSULTANT").

RECITALS

WHEREAS, pursuant to Kane County Resolution No. 10-241, the COUNTY and the CONSULTANT entered into an agreement for Phase II design services for the Plank Road Realignment (herein after referred to as the "Agreement"); and

WHEREAS, pursuant to Kane County Resolution No. 12-144, the COUNTY and the CONSULTANT entered into Amendment No.1 to the Agreement to extend the upper limit of the compensation therefor by an additional Twenty Seven Thousand Five Hundred Eighty Nine and 23/100 Dollars (\$23,381.64); for a total cost of Four Hundred Twenty Thousand Eight Hundred Twenty Three and 16/100 Dollars (\$420,823.16); and

WHEREAS, additional services at a cost of Ninety Six Thousand Eight Hundred Fifty Nine and 61/100 (\$96,859.61) are required for the Plank Road Realignment that were not anticipated in the original scope of work for the Agreement or any subsequent amendment thereto; and

WHEREAS it is in the County's best interest to modify the upper limit of the Agreement by an additional Ninety Six Thousand Eight Hundred Fifty Nine and 61/100 (\$96,859.61), from \$420,823.16 to \$517,682.77 for the services set forth in Amendment No. 2; and

NOW, THEREFORE, in consideration of the premises, the mutual covenants, and agreements herein set forth, and the understandings of each party with the other, the COUNTY and the CONSULTANT does hereby mutually agree as follows:

1.0 RECITALS INCORPORATED

1.1. The foregoing recitals are incorporated into this Amendment No. 2 as though fully set forth herein.

2.0 AGREEMENT REMAINS IN EFFECT

2.1 The previous Agreement and Amendment No1 thereof remain in full force and effect except to the extent that the provisions of this Amendment No.2 conflict with the previous Agreement and Amendment No1, in which case the provisions of this Amendment No2 shall control.

3.0 SCOPE OF SERVICES

3.1 Additional engineering services to provided by the CONSULTANT under the terms of this Amendment No2 shall be according to the specifications as set forth in Exhibit "A" hereof, which exhibit is incorporated into and made a part hereof.

4.0 COMPENSATION

4.1 Compensation for the additional engineering services not included in the Agreement and Amendment #1 shall be increased by \$96,859.61 based upon the scope of work described in Exhibit "A" which is attached hereto and made a part hereof.

4.2 Total payments to the CONSULTANT under the terms of the Agreement, Amendment #1, and Amendment #2 shall not exceed \$517,682.77.

5.0 PROJECT SCHEDULE

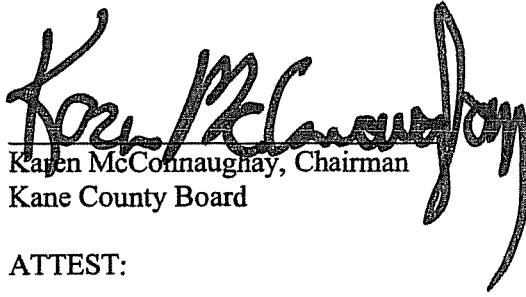
5.1. The date of termination of the Agreement shall be September 1, 2013 unless otherwise extended by agreement of the COUNSULTANT and the Kane County Engineer.

Save these provisions of Amendment No. 2, all other terms and conditions of the Agreement and Amendment No. 1 remain unchanged and in full force and effect.


IN WITNESS WHEREOF, the COUNTY and the CONSULTANT set their hands and seals as of the date written above:

COUNTY OF KANE

CRAWFORD, MURPHY & TILLY, INC.



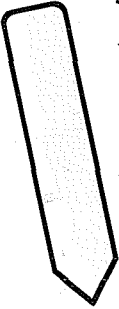
Karen McConnaughay, Chairman
Kane County Board



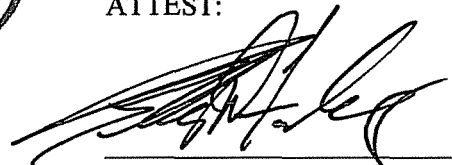
NAME: Lou Dixon
TITLE: Senior Vice President

ATTEST:

ATTEST:



John A. Cunningham
Kane County Clerk



NAME
TITLE: Senior Project Manager

EXHIBIT "A"

**Kane County Division of Transportation
Project Scope Description to Provide
Phase I (Preliminary) and Phase II (Design) Engineering Services for the
Intersection of Plank Road at Burlington Road**

Supplement #2

ENGINEERING SERVICES

Detailed Scope of Supplemental #2 Engineering Services (Assumes Spring 2013 Letting)

- A. Construction Cost Reduction Analysis:
 - 1. Develop and analyze multiple considerations for cost reduction alternatives to assist in reduction of project costs.
 - 2. Analyze the possibility of modifying pre-final profile to reduce earthwork
 - 3. Design of earthen berms to reduce the amount of unsuitable excavation leaving project site to provide considerable cost reductions. This work included earthwork balance analysis for unsuitable material and Clean Construction Demolition Debris issues

- B. Plan Sheet Redesign:
 - 1. Due to the implementation of many of the cost reduction alternatives, a majority of the pre-final plan sheets need to be modified. A breakdown of the impacted sheets and hours associated with making changes is presented in Exhibit B.
 - 2. Change quantities and specifications to reflect cost reduction changes to the plans.
 - 2. Prepare revised cost estimates

- C. Watermain Design:
 - 1. The original contract scope did not include watermain design. Scope assumed that utility relocations would be completed prior to construction of Plank Road or watermain design would be provided by Village engineer for incorporation into plans.

- D. Additional Plan Submittal:
 - 1. The original contract scope assumed two (2) plan submittals; pre-final (90%) and final (100%). Due to project cost and redesign issues, it is anticipated that CMT will be required to make one additional pre-final submittal.

- E. Clean Construction Demolition Debris (CCDD) Analysis:
 - 1. Soil samples and analysis to be obtained along existing Plank Road and Burlington Road in the areas adjacent to the existing gas station.

- F. Project Administration and Coordination

EXHIBIT "B"

Route: Intersection of Plank Road at Burlington Road
 Local Agency: Kane County

*Firm's approved rates on file with DOT'S
 Bureau of Accounting and Auditing:

Overhead Rate (OH) 152.12%
 Complexity Factor % 0.00
 Calendar Days 730

Method of Compensation:

- Cost Plus Fixed Fee 1 14.5%[DL + R(DL) + OH(DL) + IHDC]
 Cost Plus Fixed Fee 2 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
 Cost Plus Fixed Fee 3 14.5%[(2.3 + R)DL + IHDC]

Cost Estimate of Consultant's Services in Dollars

Element of Work	Man-Hours	Payroll Rate	Payroll Costs (DL)	Overhead*	Services by others	In-House Direct Costs (IHDC)	Profit	Total	% of Grand Total
A Construction Cost Reduction Analysis	96.0	\$39.14	\$3,756.97	\$5,715.10	\$0.00	\$0.00	\$1,373.45	\$10,845.52	11.20%
B Plan Sheet Redesign	276.0	\$38.29	\$10,568.61	\$16,076.97	\$0.00	\$0.00	\$3,863.61	\$30,509.19	31.50%
C Watermain Design	40.0	\$38.49	\$1,539.46	\$2,341.83	\$0.00	\$0.00	\$562.79	\$4,444.09	4.59%
D Additional Plan Submittal	300.0	\$38.75	\$11,624.54	\$17,683.25	\$0.00	\$100.00	\$4,264.13	\$33,671.92	34.76%
E CCDD Analysis	6.0	\$39.14	\$234.81	\$357.19	\$10,394.74	\$0.00	\$85.84	\$11,072.58	11.43%
F Project Administration and Coordination	50.0	\$43.76	\$2,188.02	\$3,328.42	\$0.00	\$0.00	\$799.88	\$6,316.32	6.52%
Totals	768.0	\$38.95	\$29,912.41	\$45,502.76	\$10,394.74	\$100.00	\$10,949.70	\$96,859.61	100.00%

Intersection of Plank Road at Burlington Road
Kane County Division of Transportation

Supplement #2: Man Hour Estimate for Consulting Services (Total Project)

Crawford, Murphy, and Tilly, Inc.

Summary of Man Hours

Item	CMT Total Hours
A Construction Cost Reduction Analysis	96.0
B Plan Sheet Redesign	276.0
C Watermain Design	40.0
D Additional Plan Submittal	300.0
E Clean Construction Demolition Debris (CCDD) Analysis	6.0
F Project Administration and Coordination	50.0
Total Project Hours:	768.0

A Construction Cost Reduction Analysis

A-1 Develop and analyze multiple cost saving alternatives	16
A-2 Analyze modifications to preliminary profile	40
A-3 Design of earthen berms for unsuitable earth excavation site balance savings	40

Sub - total 96

B Plan Sheet Redesign

	Total <u>No. Sheets</u>	Impacted <u>No. Sheets</u>	Average <u>Redesign Hours/Sheet</u>	<u>Total</u>
B-1 Plan Sheet Redesign:				
Cover Sheet	1	1	1	1
General Notes/Index	2	1	1	1
Summary of Quantities	3	3	1	3
Typical Sections	7	5	1	5
Alignment, Ties and Benchmarks	2	0	0	0
Maintenance of Traffic Notes, Typical and Plan Sheets	69	69	1	69
Removal Sheets	6	2	1	2
Plan and Profile Sheets (1"=20')	11	11	2	22
Intersection Details	2	1	4	4
Drainage and Utility Sheets (1"=20')	19	16	3	48
Erosion Control Sheets (SWPPP)	11	7	2	14
Landscaping and Pavement Marking Sheets (1"=20' Double Pane)	13	10	1	10
Traffic Signal Plans	10	0	0	0
Cross-Section Sheets	53	53	1	53
Total Sheet Count Estimate:	209	179		53

B-2 Update special provisions to reflect cost saving changes	20
B-3 Recalculate quantities to reflect cost saving changes	24

Sub - total 276

C Watermain Design

C-1 Design relocation of Village of Burlington watermain (drafting, quantities and specifications)	40
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Sub - total 40

D Additional Plan Submittal

D-1 Additional plan submittal (Original scope assumed two submittals)	300
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Sub - total 300

E Clean Construction Demolition Debris (CCDD) Analysis

E-1 Coordination with subconsultant	6
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Sub - total 6

F Project Administration and Coordination

F-1 Project Administration and Coordination	50
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Sub - total 50