

STATE OF ILLINOIS

COUNTY OF KANE

RESOLUTION NO. 11 - 224

APPROVING AMENDMENT #1 TO AN AGREEMENT WITH ENTRAN, LLC
FOR PHASE II ENGINEERING SERVICES AND SUPPLEMENTAL APPROPRIATION
JERICHO ROAD BRIDGE OVER ROB ROY DRAINAGE DITCH
KANE COUNTY SECTION NO. 08-00382-00-BR

WHEREAS, pursuant to Resolution No. 09-220, the Kane County Board appropriated Three Hundred Eighteen Thousand One Hundred Fifty Five and 22/100 Dollars (\$318,155.22) and entered into an agreement with Entran, LLC for Phase II Engineering for two bridge improvements of which One Hundred Fifty Two Thousand One Hundred Ninety Nine and 97/100 Dollars (\$152,199.97) was allocated (Purchase Order #2009-1672) for the Kane County Highway No. 24 (Jericho Road) Bridge over Rob Roy Drainage Ditch (hereinafter the "Project"); and

WHEREAS, unforeseen engineering changes were necessary to include coordinated drainage improvements to the County Project; and

WHEREAS, said engineering changes resulted in an additional expense of \$40,157.39; and

WHEREAS, it is in the County's best interest to extend the upper limit of the Project appropriation by an additional Forty Thousand One Hundred Fifty Seven and 39/100 (\$40,147.39) from \$152,199.97 to \$192,347.36

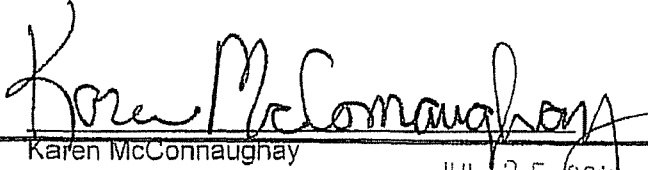
NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized to execute Amendment No. 1 to the Agreement with Entran, LLC (a copy of which is on file in the office of the County Clerk) for the bridge improvements on Jericho Road over Rob Roy Drainage Ditch.

BE IT FURTHER RESOLVED that the Kane County Board appropriate the additional sum of Forty Thousand One Hundred Fifty Seven and 39/100 Dollars (\$40,157.39) from Motor Fuel Local Option Fund #304 Line Item # 50140 (Engineering) for a total appropriation for the Project not to exceed One Hundred Ninety Two Thousand Three Hundred Forty Seven and 36/100 Dollars (\$192,347.36).

Line Item	Line Item Description	Was personnel/item/service approved in original budget or a subsequent budget revision?	Are funds <u>currently</u> available for this personnel/item/service in the specified line item?	If funds are not currently available in the specified line item, where are the funds available?
304.520.524.50140	Engineering	Yes	Yes	

Passed by the Kane County Board on July 12, 2011.


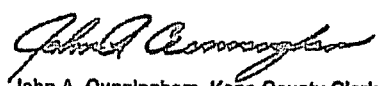

 John A. Cunningham
 Clerk, County Board
 Kane County, Illinois


 Karen McConaughay
 Chairman, County Board
 Kane County, Illinois

Vote:
 Yes 26
 No 0
 Voice
 Abstentions

STATE OF ILLINOIS
 COUNTY OF KANE
 Karen McConaughay
 Chairman, County Board
 Kane County, Illinois
 DATE JUL 25 2011

I, John A. Cunningham, Kane County Clerk and Keeper of the Records in Kane County, Illinois do hereby certify that the attached is a true and correct copy of the original record on file. In witness whereof, I have hereunto set my hand and affix the Seal of the County of Kane at my office in Geneva, Illinois.



 John A. Cunningham, Kane County Clerk

**AMENDMENT #1 TO AN AGREEMENT BETWEEN THE COUNTY OF KANE &
ENTRAN, L.L.C. FOR PHASE II ENGINEERING FOR THE REPLACEMENT OF A BOX
CULVERT AT JERICO ROAD OVER ROB ROY DRAINAGE DITCH
KANE COUNTY SECTION NO. 08-00382-00-BR**

PURCHASE ORDER # 2009-1672

This Amendment #1 made this 12th day of July 2011 between COUNTY OF KANE, a body corporate and politic of the State of Illinois (hereinafter referred to as the "COUNTY"), of 719 South Batavia Avenue, Geneva, Illinois 60134 and ENTRAN, P.L.C., a Kentucky Professional Liability Company, doing business in the State of Illinois as ENTRAN, L.L.C., a Limited Liability Company, and an Illinois licensed professional engineering firm, with offices at 5440 N. Cumberland Avenue, Suite 111, Chicago, Illinois 60656 (hereinafter referred to as the "CONSULTANT"). The COUNTY and the CONSULTANT are sometimes hereinafter collectively referred to as the "PARTIES" and individually as a "PARTY".

R E C I T A L S

WHEREAS, pursuant to Kane County Resolution No. 09-220, the County and the CONSULTANT entered into an agreement for Phase II engineering services for the replacement of a box culvert at Jericho Road over Rob Roy Drainage Ditch (herein after referred to as the "Agreement"); and

WHEREAS, additional Jericho Road engineering services, at a cost of Forty Thousand One Hundred Forty Seven and 39/100 Dollars (\$40,147.39) are required and were not previously anticipated in the original scope of the Agreement; and

WHEREAS it is in the County's best interest to extend the upper limit of the Agreement by an additional Forty Thousand One Hundred Forty Seven and 39/100 Dollars (\$40,147.39) from \$152,199.97 to \$192,347.36.

NOW, THEREFORE, in consideration of the premises, the mutual covenants, and agreements herein set forth, and the understandings of each party to the other, the parties do hereby mutually agree as follows:

1.0 RECITALS INCORPORATED

- 1.1. The foregoing recitals are incorporated into this Amendment #1 as though fully set forth herein.

2.0 AGREEMENT REMAINS IN EFFECT

- 2.1 The previous Agreement remains in full force and effect except to the extent that the provisions of this Amendment #1 conflict with the previous Agreement, in which case the provisions of this Amendment #1 shall control.

3.0 SCOPE OF SERVICES

3.1 Additional engineering services to be provided by the CONSULTANT under the terms of this Amendment #1 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 shall be increased by \$40,147.39 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 and this Amendment #1 shall not exceed \$192,347.36.

5.0 PROJECT SCHEDULE

5.1 The date of termination of the Agreement shall be October 31, 2012 unless otherwise extended by agreement of the Consultant and the Kane County Engineer.

Save these provisions of Amendment #1, all other terms and conditions of the Agreement remain unchanged.

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

COUNTY OF KANE

ENTRAN, L.L.C.



Karen McConaughay, Chairman
Kane County Board

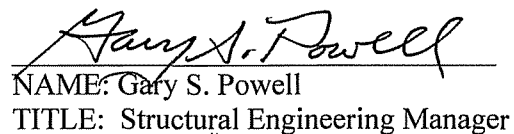


NAME: John O'Holleran
TITLE: Vice President

ATTEST:

ATTEST:

John A. Cunningham
Kane County Clerk



NAME: Gary S. Powell
TITLE: Structural Engineering Manager

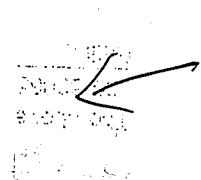
 SEAL

EXHIBIT "A"

ENTRAN

Kane County Division of Transportation
Jericho Road over Drainage Ditch
SCOPE OF SERVICES
SUPPLEMENT NO. 1

GENERAL

Scope of services is to provide updated design plans and contract documents for the replacement of the culvert structure at Jericho Road over Drainage Ditch, including modifications to the hydraulic design and highway plats. The revised design includes the installation of a drainage structure with a flow line elevation capable to convey the flow of existing and proposed drainage tiles through the drainage structure. The revised design is at the request of the Kane County Division of Transportation and is coordinated with the proposed improvements for the Rob Roy Drainage District as prepared by Trotter and Associates, Inc.

A concept study was previously prepared between 12/21/2010 and 1/12/2011 to evaluate alternate designs of the replacement structure to accommodate pipe discharges from the Rob Roy Drainage District upstream of Jericho Road through the proposed structure. The concept study consisted of plan layout, design cross sections, initial hydraulic calculations, grading impacts, and additional right-of-way acquisition. The alignment and elevation of the existing/proposed drainage tile were provided in plans titled "Mallard Point Subdivision Drainage Improvements – Phase I & II" as prepared by Trotter & Associates, dated April 2010.

DESIGN / FIELD SURVEY

No additional survey required.

ROW PARCEL PLATS

The Individual Parcel Plat prepared for Parcel 0001 (PIN 14-33-400-015) will be revised to reflect the additional right-of-way acquisition required for the proposed design. The Plat of Survey and Legal Description will be amended to reflect the changes made in the design documents. This work will be performed by AES Services, Inc. as a direct cost item.

DRAINAGE DESIGN

An updated HEC-RAS model will be prepared based upon the geometry of the replacement structure and will include the design flows of the existing and proposed drainage pipe as indicated in the "Mallard Point Subdivision Drainage Improvements" as prepared by Trotter and Associates. Upstream and downstream stages will be projected for the 10, 50, 100 and 500 year storm events. Clearance and freeboard will be assessed for the proposed conditions to develop recommendation for the structure replacement.

A limited storm sewer layout consisting of storm sewer structures, storm sewer pipes, and invert elevations will be provided as necessary to align the flows of the existing/proposed drainage pipes (designed by others) with the structure replacement. The design and layout of the storm sewer shall be reflected in the Concept Study and will be coordinated with Trotter and Associates.

REPORT PREPARATION

The results of the hydraulic analysis will be summarized in a brief report to be presented to Kane County DOT for review and approval and for permit submittals. The report will define the results of the proposed structure replacement. The report as approved by Kane County DOT will be utilized for the permitting process.

PERMITS

Revisions will be made to the previously prepared draft permit applications for the Army Corps of Engineers and the Kane-DuPage Soil and Water Conservation District and submitted. Questions relating to the permit submittals will be addressed by ENTRAN. At the request of Kane County, permit application fees to IEPA and KDSWCD will be paid by ENTRAN and will be reimbursed as a direct cost, which has been included in this supplement.

STRUCTURAL PLAN PREPARATION

The proposed culvert will be revised to accommodate the concept described above. The culvert will need to be lengthened since it will be located further down the cross slopes. Updated design and detailing will be required for the reconfigured wingwalls at the north end of the structure. The proposed invert slab will be detailed on a new plan sheet.

Two plan submittals will be sent to Kane County (90% pre-final and 100% final). No final mylar plots will be required, final plans will be provided in electronic format.

STRUCTURE PLANS:

GENERAL PLAN & ELEVATION

The Longitudinal Section and Plan will be revised per the proposed concept, including lengthening the structure, reconfiguring the north wingwalls, and adding the proposed invert slab at the north end of the structure. The Structure Bill of Material and Waterway Information Table will be updated accordingly.

BOX CULVERT DETAILS

The Longitudinal Section and Plan detailing reinforcement in top and bottom slab, side walls, and wingwalls will be updated for the longer culvert and revised geometric layout. The associated details and Bill of Material will be updated accordingly.

INVERT SLAB & WINGWALL DETAILS

A new sheet will be required to detail the proposed invert slab at the north end of the structure. The invert slab details will include a plan view and associated details. Supplemental details for the revised wingwall details will also be added to this sheet.

ROADWAY PLAN PREPARATION

Revisions to the roadway plans resulting from the revised structure replacement will be incorporated. Revisions are anticipated for the Schedule of Quantities, Plan and Profile Sheet, Landscaping and Erosion Control Plans, cross sections, and Drainage Detail Sheet.

BARRIER WARRANTS

Revisions to the barrier warrants for project site will be evaluated. The documentation and design of guardrail lengths will be revised to provide the required shielding for the structure replacement.

ESTIMATE OF TIME & COST

Estimates of Time and Cost will be revised to reflect the prepared design of the structure replacement and associated roadway improvements

ENTRAN JERICHO Road Estimated Manhours Supplement No. 1

ROW PARCEL PLAT		4 hrs																														
Note: Parcel Plat Revisions will be prepared by AES Services, Inc. REVISED PREPARED PARCEL PLATS - PARCEL 0001 Coordination of electronic files with AES Services		4.0																														
DRAINAGE STUDIES		48 hrs																														
REVISE HEC-RAS HYDRAULIC MODEL A. Setup HEC-RAS model B. Prepare calculations C. Prepare storm sewer layout and design. Coordinate with Trotter and Associates. D. Develop brief summary hydraulic report with Waterway Information Table for Permit submittal		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th style="text-align: right;">HOURS</th> </tr> </thead> <tbody> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> <td style="text-align: right;">12.0</td> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> <td style="text-align: right;">8.0</td> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> <td style="text-align: right;">12.0</td> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> <td style="text-align: right;">16.0</td> </tr> </tbody> </table>			HOURS			12.0			8.0			12.0			16.0															
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STRUCTURAL PLAN PREPARATION		112 hrs																														
STRUCTURAL PLANS GENERAL PLAN & ELEVATION BOX CULVERT DETAILS INVERT SLAB & WINGWALL DETAILS		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">SHEETS</th> <th style="width: 33%;">HRS/SHEET</th> <th style="width: 33%;">HOURS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">16</td> <td style="text-align: right;">16.0</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">40</td> <td style="text-align: right;">40.0</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">56</td> <td style="text-align: right;">56.0</td> </tr> </tbody> </table>	SHEETS	HRS/SHEET	HOURS	1	16	16.0	1	40	40.0	1	56	56.0																		
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ROADWAY PLAN PREPARATION		78 hrs																														
SCHEDULE OF QUANTITIES INCLUDES QUANTITY CALCULATIONS PLAN & PROFILE (1:50) EXISTING & PROPOSED PLAN & PROFILE BARRIER WARRANT ANALYSIS PAVEMENT MARKING, LANDSCAPING & EROSION PLANS (TOP/BOTTOM-50 SCALE) JERICHO ROAD CROSS SECTIONS EVERY 50 FEET, INCLUDING DRIVEWAYS/SIDEROADS ESTIMATE OF TIME ESTIMATE OF COST		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">SHEETS</th> <th style="width: 33%;">HRS/SHEET</th> <th style="width: 33%;">HOURS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">16</td> <td style="text-align: right;">16.0</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">16</td> <td style="text-align: right;">16.0</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">8.0</td> <td style="text-align: right;">8.0</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">16</td> <td style="text-align: right;">16.0</td> </tr> <tr> <td style="text-align: center;">8</td> <td style="text-align: center;">1.75</td> <td style="text-align: right;">14.0</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">HOURS</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">4.0</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">HOURS</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: right;">4.0</td> </tr> </tbody> </table>	SHEETS	HRS/SHEET	HOURS	1	16	16.0	1	16	16.0	1	8.0	8.0	1	16	16.0	8	1.75	14.0			HOURS			4.0			HOURS			4.0
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PERMITS		24 hrs																														
Revise SWPP & NOI Documentation Revise Army Corp of Engineers and Kane-DuPage Soil Water & Conservation District applications		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th style="text-align: right;">HOURS</th> </tr> </thead> <tbody> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> <td style="text-align: right;">12.0</td> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> <td style="text-align: right;">12.0</td> </tr> </tbody> </table>			HOURS			12.0			12.0																					
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ADMINISTRATION & MANAGEMENT		20 hrs																														
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Total Man-hours		286																														

ENTRAN
Jericho Road
 Direct Costs
 Supplement No. 1

	IN-HOUSE DIRECT COST	OUTSIDE DIRECT COST
PERMIT FEES		
Permit Application Fees:		
Illinois EPA		\$250.00
Kane-DuPage Soil and Water Conservation District		\$1,199.00
ROW PLAT REVISIONS		
Parcel Plat Revisions (by AES Services, Inc.)		\$1,148.69
SUBTOTAL	\$ -	\$ 2,597.69
TOTAL DIRECT COSTS	\$	2,597.69

