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: Supplemental Agreement with Entran, LLC for Phase II Engineering, Jericho Rd over Rob Roy Drainage Ditch, Kane Co. Sec. #08-00382-00-BR

Submitted by: Linda Haines

Date Submitted: June 17, 2011

Examined by: Pat Jaeger
(Print name)

(Signature)

, 2011
(Date)

Post on Web: **Yes** ✓ **No** ___ Atty. Initials

Comments:

Chairman signed: **Yes** **No** _____
(Date)

Document returned to: _____

Rev. 3/11

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 97/10 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 currently 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 McConnaughay
Chairman, County Board
Kane County, Illinois

Vote:
Yes 26
No 0
Voice —
Abstentions —

STATE OF ILLINOIS
COUNTY OF KANE

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

7JRCHO-ROBROYENTRANSUPPAPP.4LH

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 JERICHO 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".

RECITALS

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

Karen McConnaughay, Chairman
Kane County Board

ATTEST:

John A. Cunningham
Kane County Clerk

ENTRAN, L.L.C.

NAME: John O'Holleran
TITLE: Vice President

ATTEST:

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
			HOURS	
REVISE HEC-RAS HYDRAULIC MODEL				
A. Setup HEC-RAS model			12.0	
B. Prepare calculations			8.0	
C. Prepare storm sewer layout and design. Coordinate with Trotter and Associates.			12.0	
D. Develop brief summary hydraulic report with Waterway Information Table for Permit submittal			16.0	
STRUCTURAL PLAN PREPARATION				112 hrs
STRUCTURAL PLANS				
	SHEETS	HRS/SHEET	HOURS	
GENERAL PLAN & ELEVATION	1	16	16.0	
	SHEETS	HRS/SHEET	HOURS	
BOX CULVERT DETAILS	1	40	40.0	
	SHEETS	HRS/SHEET	HOURS	
INVERT SLAB & WINGWALL DETAILS	1	56	56.0	
ROADWAY PLAN PREPARATION				78 hrs
SCHEDULE OF QUANTITIES	SHEETS	HRS/SHEET	HOURS	
INCLUDES QUANTITY CALCULATIONS	1	16	16.0	
PLAN & PROFILE (1:50)	SHEETS	HRS/SHEET	HOURS	
EXISTING & PROPOSED PLAN & PROFILE	1	16	16.0	
BARRIER WARRANT ANALYSIS			8.0	
PAVEMENT MARKING, LANDSCAPING	SHEETS	HRS/SHEET	HOURS	
& EROSION PLANS (TOP/BOTTOM-50 SCALE)				
JERICHO ROAD	1	16	16.0	
CROSS SECTIONS	SECTIONS	HRS/SECTION	HOURS	
EVERY 50 FEET, INCLUDING DRIVEWAYS/SIDEROADS	8	1.75	14.0	
ESTIMATE OF TIME			HOURS	
			4.0	
ESTIMATE OF COST			HOURS	
			4.0	
PERMITS				24 hrs
			HOURS	
Revise SWPP & NOI Documentation			12.0	
Revise Army Corp of Engineers and Kane-DuPage Soil Water & Conservation District applications			12.0	
ADMINISTRATION & MANAGEMENT				20 hrs
			HOURS	
Including QA/QC			20.0	
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***

Kane County Division of Transportation
Project : Jericho Road Culvert Replacement

AES
Estimate of Manhours
Parcel Plat Revision

Classification	Contract Rates (Per Hour)
2-person survey crew	$192.64
3-person survey crew	$248.00
Office Comps & Research	$122.67
Drafts person	$72.50

PARCEL PLAT REVISION

AES identified a 1 Parcel that will need to be revised because of engineering design modification for the Plat of Survey for the Jericho Road Culvert Replacement. The PIN is located in Section 33 Township 38 North Range 7 East, of the 3rd Principal Meridian, in Kane County, Illinois. PIN # 14-33-400-015

The Boundary Survey will be performed in accordance with the minimum standards of practice set forth in Section 1270.56 of the "Illinois Compiled Statutes & Administrative Rules" for the practice of land survey in the State of Illinois.

Start Date: will be at the time AES receives a Notice to Proceed.
End Date: will be 3 weeks from receiving the Notice to Proceed.
Note : If the project is considered a rush, AES will attempt to accommodate the accelerated schedule.

Deliverables will consist of :
6 original Plats of Survey with Legal Description

					DAYS	CREW RATE	TOTAL
					8.00	AVERAGE WORK DAY	
Jericho Road Culvert Replacement							
Obtain existing plats and and sidwells from ENTRAN				1 hrs	0.00	$122.67	$122.67
Obtain all COGO and MICROSTATION files from ENTRAN				2 hrs	0.00	$122.67	$245.34
Create revised Proposed Right-of-Way	1 PIN's	2.00 hrs/PIN	1 men	2.0 hrs	0.25	$122.67	$245.34
Draft Plat of Survey	1 sheets	4.00 hrs/sheet	1 men	4.0 hrs	0.50	$72.50	$290.00
Revise Legal Description	1 PIN's	1.00 hrs/PIN	1 men	1.0 hrs	0.13	$122.67	$122.67
Back Check and Seal Plat of Survey	1 sheets	1.00 hrs/sheet	1 men	1.0 hrs	0.13	$122.67	$122.67
ADMINISTRATION & MANAGEMENT							
				0.0 hrs		$122.67	$0.00
Total Hours - PARCEL PLAT REVISION				**11.0 hrs**			

TOTAL - PARCEL PLAT REVISION $1,148.69

GRAND TOTAL $1,148.69

PAYROLL ESCALATION TABLE
FIXED RAISES

FIRM NAME	ENTRAN, LLC	DATE	04/14/11
PRIME/SUPPLEMENT	SUPPLEMENT NO. 1	PTB NO.	Jericho Road over Drainage Ditch

CONTRACT TERM	6	MONTHS	OVERHEAD RATE	171.00%
START DATE	5/1/2011		COMPLEXITY FACTOR	0
RAISE DATE	1/1/2012		% OF RAISE	3.00%

ESCALATION PER YEAR

5/1/2011 - 10/31/2011				
6 / 6				

= 100.00%
= 1.0000

The total escalation for this project would be: 0.00%

DF-824-039
REV 12/04

PAYROLL RATES

FIRM NAME ENTRAN, LLC **DATE** 04/14/11
PRIME/SUPPLEMENT SUPPLEMENT NO. 1
PSB NO. Jericho Road over Drainage Ditch

ESCALATION FACTOR 0.00%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
Principals	$70.00	$70.00
Project Managers	$62.29	$62.29
Engineers	$46.07	$46.07
Graduate / EIT	$26.87	$26.87
Engineering Technicians	$28.71	$28.71
Senior Planner	$50.24	$50.24
Planner	$27.04	$27.04
Sr Environmental Specialist	$40.24	$40.24
Environmental Specialist	$29.04	$29.04
Information Technology	$27.76	$27.76
Graphics Support	$21.24	$21.24
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00
		$0.00

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Subconsultants

FIRM NAME ENTRAN, LLC DATE 04/14/11
PRIME/SUPPLEMENT SUPPLEMENT NO. 1
PSB NO. Jericho Road over Drainage Ditch

NAME	Direct Labor Total	Contribution to Prime Consultant
Wang Engineering		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
Total	0.00	0.00

COST PLUS FIXED FEE
COST ESTIMATE OF CONSULTANT SERVICES

DF-824-039
REV 12/04

FIRM ENTRAN, LLC **DATE** 04/14/11
PSB Jericho Road over Drainage Ditch **OVERHEAD RATE** 1.71
PRIME/SUPPLEMENT SUPPLEMENT NO. 1 **COMPLEXITY FACTOR** 0

DBE DROP BOX	ITEM	MANHOURS (A)	PAYROLL (B)	OVERHEAD & FRINGE BENF (C)	IN-HOUSE DIRECT COSTS (D)	FIXED FEE (E)	Outside Direct Costs (F)	SERVICES BY OTHERS (G)	DBE TOTAL (H)	TOTAL (B-G)	% OF GRAND TOTAL
	ROW Parcel Plat	4	149.56	255.75		55.34	1,148.69			1,609.33	4.01%
	Drainage Studies	48	2,033.92	3,478.00		752.55				6,264.47	15.60%
	Structural Plan Preparation	110	4,491.34	7,680.19		1,661.80				13,833.33	34.46%
	Roadway Plan Preparation	80	3,223.04	5,511.40		1,192.52				9,926.96	24.73%
	Permits	24	1,016.96	1,739.00		376.28	1,449.00			4,581.24	11.41%
	Admin & Management	20	1,276.64	2,183.05		472.36				3,932.05	9.79%
	Subconsultant DL					0.00				0.00	0.00%
	TOTALS	286	12,191.46	20,847.40	0.00	4,510.84	2,597.69	0.00	0.00	**40,147.39**	100.00%

DBE 0.00%

DBE

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AVERAGE HOURLY PROJECT RATES

FIRM ENTRAN, LLC
PSB Jericho Road over Drainage Ditch
PRIME/SUPPLEMENT SUPPLEMENT NO. 1

DATE 04/14/11

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			ROW Parcel Plat			Drainage Studies			Structural Plan Preparatio			Roadway Plan Preparation			Permits		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principals	70.00	4	1.40%	0.98															
Project Managers	62.29	46	16.08%	10.02				8	16.67%	10.38	10	9.09%	5.66	8	10.00%	6.23	4	16.67%	10.38
Engineers	46.07	138	48.25%	22.23	2	50.00%	23.04	24	50.00%	23.04	60	54.55%	25.13	40	50.00%	23.04	12	50.00%	23.04
Graduate / EIT	26.87	68	23.78%	6.39				16	33.33%	8.96	24	21.82%	5.86	20	25.00%	6.72	8	33.33%	8.96
Engineering Technician	28.71	30	10.49%	3.01	2	50.00%	14.36				16	14.55%	4.18	12	15.00%	4.31			
Senior Planner	50.24	0																	
Planner	27.04	0																	
Sr Environmental Speci	40.24	0																	
Environmental Specialis	29.04	0																	
Information Technology	27.76	0																	
Graphics Support	21.24	0																	
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		0																	
TOTALS		286	100%	$42.63	4	100.00%	$37.39	48	100%	$42.37	110	100%	$40.83	80	100%	$40.29	24	100%	$42.37

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DF-824-039
REV 12/04

AVERAGE HOURLY PROJECT RATES

FIRM ENTRAN, LLC
PSB Jericho Road over Drainage Ditch
PRIME/SUPPLEMENT SUPPLEMENT NO. 1

DATE 04/14/11

SHEET 2 **OF** 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Admin & Management Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principals	70.00	4	20.00%	14.00															
Project Managers	62.29	16	80.00%	49.83															
Engineers	46.07																		
Graduate / EIT	26.87																		
Engineering Technicia	28.71																		
Senior Planner	50.24																		
Planner	27.04																		
Sr Environmental Spec	40.24																		
Environmental Special	29.04																		
Information Technolog	27.76																		
Graphics Support	21.24																		
TOTALS		20	100%	$63.83	0	0%	$0.00	0	0%	$0.00	0	0%	$0.00	0	0%	$0.00	0	0%	$0.00

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