

**KANE COUNTY**  
DIVISION of TRANSPORTATION

Carl Schoedel, P.E.  
Director of Transportation  
County Engineer

41W011 Burlington Road  
St. Charles, IL 60175  
Phone: (630) 584-1170  
Fax: (630) 584-5265



DATE: November 10, 2008  
TO: Jean Weems  
County Board Office  
FROM: Linda Haines *Linda*  
SUBJECT: November County Board

5 – IDOT Funding Agreement for Mooseheart Road at IL 31, Kane Co. Section #08-00181-00-CH with Document Vet Sheet (Does not need County Clerk signature and seal)

5 – Phase II Engineering Agreement with Hampton, Lenzini & Renwick for Mooseheart Road at IL 31, Kane Co. Section #08-00181-00-CH with Document Vet Sheet

TRANSMITTED FOR:

- ( ) YOUR INFORMATION AND FILE
- ( ) YOUR APPROVAL AND/OR CORRECTION
- ( ) AS REQUESTED
- (X) SEE BELOW

REMARKS: Please have the County Board Chairman sign, send to County Clerk for signature and seal, and then return to our office for further processing.

Thanks.

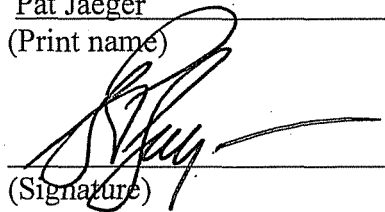
**DOCUMENT VET SHEET**  
for  
**Karen McConnaughay**  
**Chairman, Kane County Board**

Name of Document: Local Agency Agreement for Federal Participation with IDOT for  
Mooseheart Road at IL 31, Kane Co. Section #08-00181-00-CH

Submitted by: Linda Haines

Date Submitted: November 4, 2008

Examined by: Pat Jaeger  
(Print name)


  
(Signature)

Nov. 10, 2008  
(Date)

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Chairman signed:  Yes  No 11-20-08  
(Date)

Document returned to: Co. Clerk

Local Agency County of Kane	<b>L O C A L  A G E N C Y</b>	 <b>Illinois Department of Transportation</b>  <b>Preliminary Engineering Services Agreement For Federal Participation</b>	<b>C O N S U L T A N T</b>	Consultant Hampton, Lenzini and Renwick, Inc.
County Kane				Address 380 Shepard Drive
Section 08-00181-00-CH				City Elgin
Project No.				State IL
Job No.				Zip Code 60123
Contact Name/Phone/E-mail Address Paul LaFleur, P.E. LaFleurPaul@co.kane.il.us	Contact Name/Phone/E-mail Address Michael P. Magnuson, P.E. mmagnuson@hlreng.com			

THIS AGREEMENT is made and entered into this 12th day of November, 2008 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the PROJECT. Federal-aid funds allotted to the LA by the state of Illinois under the general supervision of the Illinois Department of Transportation (STATE) will be used entirely or in part to finance engineering services as described under AGREEMENT PROVISIONS.

#### Project Description

Name IL 31 and Mooseheart Road Route CH 71 Length 2,300 ft Structure No. n/a

Termini Intersection

Description Prepare Phase I engineering design, environmental coordination and Project Development Report for proposed improvements to the intersection of IL 31 and Mooseheart Road, including installation of traffic signals and widening of intersection approaches to add separate turn lanes. See attached scope of work (Exhibit C) for detailed description of tasks included in this agreement.

#### Agreement Provisions

##### I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance, in accordance with STATE approved design standards and policies, of engineering services for the LA for the proposed improvement herein described.
2. To attend any and all meetings and visit the site of the proposed improvement at any reasonable time when requested by representatives of the LA or STATE.
3. To complete the services herein described within 545 calendar days from the date of the Notice to Proceed from the LA, excluding from consideration periods of delay caused by circumstances beyond the control of the ENGINEER.
4. The classifications of the employees used in the work should be consistent with the employee classifications and estimated man-hours shown in EXHIBIT A. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are indicated in Exhibit A to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
5. That the ENGINEER is qualified technically and is entirely conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated herein.
6. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of work by the STATE will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or for clarification of any ambiguities.
7. That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by the ENGINEER and will affix the ENGINEER's professional seal when such seal is required by law. Plans for structures to be built as a part of the improvement will be prepared under the supervision of a registered structural engineer and will affix structural engineer seal when such seal is required by law. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the STATE.
8. That the ENGINEER will comply with applicable federal statutes, state of Illinois statutes, and local laws or ordinances of the LA.

9. The undersigned certifies neither the ENGINEER nor I have:
- a. employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for me or the above ENGINEER) to solicit or secure this AGREEMENT,
  - b. agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
  - c. paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for me or the above ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
  - d. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
  - e. have not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property,
  - f. are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (e) and
  - g. have not within a three-year period preceding this AGREEMENT had one or more public transactions (Federal, State or local) terminated for cause or default.
10. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LA.
11. To submit all invoices to the LA within one year of the completion of the work called for in this AGREEMENT or any subsequent Amendment or Supplement.
12. To submit BLR 05613, Engineering Payment Report, to the STATE upon completion of the project (Exhibit B).
13. Scope of Services to be provided by the ENGINEER: (A detailed Scope of Services is included in attached Exhibit C.)
- Make such detailed surveys as are necessary for the planning and design of the PROJECT.
  - Make stream and flood plain hydraulic surveys and gather both existing bridge upstream and downstream high water data and flood flow histories.
  - Prepare applications for U.S. Army Corps of Engineers Permit, Illinois Department of Natural Resources Office of Water Resources Permit and Illinois Environmental Protection Agency Section 404 Water Quality Certification.
  - Design and/or approve cofferdams and superstructure shop drawings.
  - Prepare Bridge Condition Report and Preliminary Bridge Design and Hydraulic Report, (including economic analysis of bridge or culvert types and high water effects on roadway overflows and bridge approaches).
  - Prepare the necessary environmental and planning documents including the Project Development Report, Environmental Class of Action Determination or Environmental Assessment, State Clearinghouse, Substate Clearinghouse and all necessary environmental clearances.
  - Make such soil surveys or subsurface investigations including borings and soil profiles as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations to be made in accordance with the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Administrative Policies, Federal-Aid Procedures for Local Highway Improvements or any other applicable requirements of the STATE.
  - Analyze and evaluate the soil surveys and structure borings to determine the roadway structural design and bridge foundation.
  - Prepare preliminary roadway and drainage structure plans and meet with representatives of the LA and STATE at the site of the improvement for review of plans prior to the establishment of final vertical and horizontal alignment, location and size of drainage structures, and compliance with applicable design requirements and policies.
  - Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
  - Complete the general and detailed plans, special provisions and estimate of cost. Contract plans shall be prepared in accordance with the guidelines contained in the Bureau of Local Roads and Streets manual. The special provisions and detailed estimate of cost shall be furnished in quadruplicate.
  - Furnish the LA with survey and drafts in quadruplicate all necessary right-of-way dedications, construction easements and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

II. THE LA AGREES,

1. To furnish the ENGINEER all presently available survey data and information
2. To pay the ENGINEER as compensation for all services rendered in accordance with this AGREEMENT, on the basis of the following compensation formulas:

Cost Plus Fixed Fee       CPFF = 14.5%[DL + R(DL) + OH(DL) + IHDC], or  
 CPFF = 14.5%[DL + R(DL) + 1.4(DL) + IHDC], or  
 CPFF = 14.5%[(2.3 + R)DL + IHDC]

Where:      DL = Direct Labor  
               IHDC = In House Direct Costs  
               OH = Consultant Firm's Actual Overhead Factor  
               R = Complexity Factor

Specific Rate               (Pay per element)  
 Lump Sum                  \_\_\_\_\_

3. To pay the ENGINEER using one of the following methods as required by 49 CFR part 26 and 605 ILCS 5/5-409:

With Retainage

- a) **For the first 50% of completed work**, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to 90% of the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- b) **After 50% of the work is completed**, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments covering work performed shall be due and payable to the ENGINEER, such payments to be equal to 95% of the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- c) **Final Payment** – Upon approval of the work by the LA but not later than 60 days after the work is completed and reports have been made and accepted by the LA and the STATE, a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amounts of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

Without Retainage

- a) **For progressive payments** – Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
- b) **Final Payment** – Upon approval of the work by the LA but not later than 60 days after the work is completed and reports have been made and accepted by the LA and STATE, a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amounts of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

4. The recipient shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this agreement. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31U.S.C. 3801 et seq.).

III. IT IS MUTALLY AGREED,

1. That no work shall be commenced by the ENGINEER prior to issuance by the LA of a written Notice to Proceed.
2. That tracings, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with this AGREEMENT shall be delivered to and become the property of the LA and that basic survey notes, sketches, charts and other data prepared or obtained in accordance with this AGREEMENT shall be made available, upon request, to the LA or to the STATE, without restriction or limitation as to their use.

3. That all reports, plans, estimates and special provisions furnished by the ENGINEER shall be in accordance with the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Administrative Policies, Federal-Aid Procedures for Local Highway Improvements or any other applicable requirements of the STATE, it being understood that all such furnished documents shall be approved by the LA and the STATE before final acceptance. During the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.
4. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without written consent of the LA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall not be construed to relieve the ENGINEER of any responsibility for the fulfillment of this agreement.
5. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amounts, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General and the STATE; and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the STATE for the recovery of any funds paid by the STATE under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
6. The payment by the LA in accordance with numbered paragraph 3 of Section II will be considered payment in full for all services rendered in accordance with this AGREEMENT whether or not they be actually enumerated in this AGREEMENT.
7. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LA, the STATE, and their officers, agents and employees from all suits, claims, actions or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.
8. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such material becomes the property of the LA. The LA will be responsible for reimbursement of all eligible expenses to date of the written notice of termination.
9. This certification is required by the Drug Free Workplace Act (30ILCS 580). The Drug Free Workplace Act requires that no grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the State unless that grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to, suspension of contract or grant payments, termination of a contract or grant and debarment of the contracting or grant opportunities with the State for at least one (1) year but no more than five (5) years.

For the purpose of this certification, "grantee" or "contractor" means a corporation, partnership or other entity with twenty-five (25) or more employees at the time of issuing the grant, or a department, division or other unit thereof, directly responsible for the specific performance under a contract or grant of \$5,000 or more from the State, as defined in the Act.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- a. Publishing a statement:
  - (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
  - (2) Specifying the actions that will be taken against employees for violations of such prohibition.
  - (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
    - (a) abide by the terms of the statement; and
    - (b) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction.
- b. Establishing a drug free awareness program to inform employees about:
  - (1) The dangers of drug abuse in the workplace;
  - ~~(2) The grantee's or contractor's policy of maintaining a drug-free workplace;~~
  - (3) Any available drug counseling, rehabilitation and employee assistance program; and
  - (4) The penalties that may be imposed upon an employee for drug violations.
- c. Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
- d. Notifying the contracting or granting agency within ten (10) days after receiving notice under part (B) of paragraph (3) of subsection (a) above from an employee or otherwise receiving actual notice of such conviction.
- e. Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by,
- f. Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.
- g. Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.

10. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of DOT assisted contracts. Failure by the ENGINEER to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination of this AGREEMENT or such other remedy as the LA deems appropriate.

**Agreement Summary**

Prime Consultant:	TIN Number	Agreement Amount
Hampton, Lenzini and Renwick, Inc.	36-2555986	\$136,931.83
<b>Sub-Consultants:</b>		
Huff & Huff, Inc.	36-3044842	\$10,835.27
Wang Engineering, Inc.	36-3191909	\$15,603.43
	Sub-Consultant Total:	\$26,438.70
	Prime Consultant Total:	\$136,931.83
	Total for all Work:	\$163,370.53

SIGN  
HERE



Executed by the LA:

County of Kane  
(Municipality/Township/County)

ATTEST:

By: \_\_\_\_\_  
John A. Cunningham, County Clerk

By: *Kora McLoughlin*  
Title: Chairman, County Board

(SEAL)

Executed by the ENGINEER:

ATTEST:

Hampton, Lenzini and Renwick, Inc.

By: *D.P.H.*  
Title: ~~Vice President~~ CEO

By: *D. Romanuk*  
Title: President





# EXHIBIT A-1 - PRELIMINARY ENGINEERING AVERAGE HOURLY PROJECT RATES

DF-824-039  
REV 12/04

FIRM  
PSB  
PRIME/SUPPLEMENT

HAMPTON, LENZINI & RENWICK, INC.  
IL 31 & Mooseheart Road  
PRIME

DATE 08/27/08

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			1 Survey / ROW Research			2 Existing Conditions Pla			3 Environ. Surveys & Co			4 Pavement Inv./Culvert In			5 Traffic & Crash Invest		
		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	54.04	4	0.29%	0.16															
ENGINEER SPECIALIST	50.56	0																	
ENGINEER 9	49.91	103	7.55%	3.77	4	2.35%	1.17				2	9.09%	4.54	4	14.29%	7.13	7	9.21%	4.60
ENGINEER 8	47.33	31	2.27%	1.08									4	14.29%	6.76				
ENGINEER 7	44.71	0																	
ENGINEER 6	38.37	498	36.51%	14.01	14	8.24%	3.16	2	4.76%	1.83	12	54.55%	20.93	12	42.86%	16.44	17	22.37%	8.58
ENGINEER 5	34.15	0																	
ENGINEER 4	32.82	0																	
ENGINEER 3	32.33	16	1.17%	0.38													12	15.79%	5.10
ENGINEER 2	30.06	0																	
ENGINEER 1	23.85	216	15.84%	3.78	76	44.71%	10.66												
TECHNICIAN 7	33.83	132	9.68%	3.27	76	44.71%	15.12												
TECHNICIAN 6	31.21	0																	
TECHNICIAN 5	27.60	273	20.01%	5.52				8	19.05%	5.26	8	36.36%	10.04	4	14.29%	3.94	5	6.58%	1.82
TECHNICIAN 4	22.31	0																	
TECHNICIAN 3	19.94	0																	
TECHNICIAN 2	17.68	38	2.79%	0.49				32	76.19%	13.47							6	7.89%	1.40
TECHNICIAN 1	12.59	29	2.13%	0.27													29	38.16%	4.80
CLERICAL 2	23.56	24	1.76%	0.41										4	14.29%	3.37			
CLERICAL 1	15.55	0																	
ACCOUNTING	27.05	0																	
		0																	
		0																	
<b>TOTALS</b>		1364	100%	\$33.14	170	100.00%	\$30.12	42	100%	\$20.56	22	100%	\$35.50	28	100%	\$37.64	76	100%	####

**EXHIBIT A-2 - PRELIMINARY ENGINEERING  
AVERAGE HOURLY PROJECT RATES**

DF-824-039  
REV 12/04

FIRM HAMPTON, LENZINI & RENWICK, INC.  
PSB IL 31 & Mooseheart Road  
PRIME/SUPPLEMENT PRIME

DATE 08/27/08

SHEET 2 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	6 LDS & Roadside Drainage			7 Preliminary Roadway Design			8 Public Involvement			9 "De Minimis" 4(f) Impacts			10 Project Development Reports			11 Plats & Legal Descriptions		
		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	54.04													2	1.50%	0.81			
ENGINEER SPECIALIST	50.56																		
ENGINEER 9	49.91	6	3.00%	1.50	32	11.59%	5.79	17	22.08%	11.02	5	16.67%	8.32	8	6.02%	3.00			
ENGINEER 8	47.33	27	13.50%	6.39															
ENGINEER 7	44.71																		
ENGINEER 6	38.37	131	65.50%	25.13	88	31.88%	12.23	36	46.75%	17.94	21	70.00%	26.86	75	56.39%	21.63	81	28.83%	11.06
ENGINEER 5	34.15																		
ENGINEER 4	32.82																		
ENGINEER 3	32.33				4	1.45%	0.47												
ENGINEER 2	30.06																		
ENGINEER 1	23.85				4	1.45%	0.35										136	48.40%	11.54
TECHNICIAN 7	33.83																56	19.93%	6.74
TECHNICIAN 6	31.21																		
TECHNICIAN 5	27.60	32	16.00%	4.42	148	53.62%	14.80	24	31.17%	8.60	4	13.33%	3.68	40	30.08%	8.30			
TECHNICIAN 4	22.31																		
TECHNICIAN 3	19.94																		
TECHNICIAN 2	17.68																		
TECHNICIAN 1	12.59																		
CLERICAL 2	23.56	4	2.00%	0.47										8	6.02%	1.42	8	2.85%	0.67
CLERICAL 1	15.55																		
ACCOUNTING	27.05																		
<b>TOTALS</b>		<b>200</b>	<b>100%</b>	<b>\$37.90</b>	<b>276</b>	<b>100%</b>	<b>\$33.63</b>	<b>77</b>	<b>100%</b>	<b>\$37.56</b>	<b>30</b>	<b>100%</b>	<b>\$38.85</b>	<b>133</b>	<b>100%</b>	<b>\$35.17</b>	<b>281</b>	<b>100%</b>	<b>\$30.02</b>

## EXHIBIT A-3 - PRELIMINARY ENGINEERING AVERAGE HOURLY PROJECT RATES

DF-824-039  
REV 12/04

**FIRM** HAMPTON, LENZINI & RENWICK, INC.  
**PSB** IL 31 & Mooseheart Road  
**PRIME/SUPPLEMENT** PRIME

**DATE** 08/27/08  
**SHEET** 3 **OF** 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	12 Coordination/Project Admin																	
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg			
PRINCIPAL	54.04	2	6.90%	3.73															
ENGINEER SPECIALIST	50.56																		
ENGINEER 9	49.91	18	62.07%	30.98															
ENGINEER 8	47.33																		
ENGINEER 7	44.71																		
ENGINEER 6	38.37	9	31.03%	11.91															
ENGINEER 5	34.15																		
ENGINEER 4	32.82																		
ENGINEER 3	32.33																		
ENGINEER 2	30.06																		
ENGINEER 1	23.85																		
TECHNICIAN 7	33.83																		
TECHNICIAN 6	31.21																		
TECHNICIAN 5	27.60																		
TECHNICIAN 4	22.31																		
TECHNICIAN 3	19.94																		
TECHNICIAN 2	17.68																		
TECHNICIAN 1	12.59																		
CLERICAL 2	23.56																		
CLERICAL 1	15.55																		
ACCOUNTING	27.05																		
<b>TOTALS</b>		29	100%	\$46.61	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

# EXHIBIT A-4

DF-824-039  
REV 12/04

## PAYROLL RATES

FIRM NAME HAMPTON, LENZINI & RENWICK, INC.  
PRIME/SUPPLEMENT PRIME  
PSB NO. IL 31 & Mooseheart Road  
DATE 08/27/08

ESCALATION FACTOR 4.03%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
PRINCIPAL	\$51.95	\$54.04
ENGINEER SPECIALIST	\$48.60	\$50.56
ENGINEER 9	\$47.98	\$49.91
ENGINEER 8	\$45.50	\$47.33
ENGINEER 7	\$42.98	\$44.71
ENGINEER 6	\$36.88	\$38.37
ENGINEER 5	\$32.83	\$34.15
ENGINEER 4	\$31.55	\$32.82
ENGINEER 3	\$31.08	\$32.33
ENGINEER 2	\$28.90	\$30.06
ENGINEER 1	\$22.93	\$23.85
TECHNICIAN 7	\$32.52	\$33.83
TECHNICIAN 6	\$30.00	\$31.21
TECHNICIAN 5	\$26.53	\$27.60
TECHNICIAN 4	\$21.45	\$22.31
TECHNICIAN 3	\$19.17	\$19.94
TECHNICIAN 2	\$17.00	\$17.68
TECHNICIAN 1	\$12.10	\$12.59
CLERICAL 2	\$22.65	\$23.56
CLERICAL 1	\$14.95	\$15.55
ACCOUNTING	\$26.00	\$27.05

## EXHIBIT A-5

DF-824-039  
REV 12/04

### PAYROLL ESCALATION TABLE FIXED RAISES

FIRM NAME	<u>HAMPTON, LENZINI &amp; RENWICK, INC.</u>	DATE	<u>08/27/08</u>
PRIME/SUPPLEMENT	<u>PRIME</u>	PTB NO.	<u>IL 31 &amp; Mooseheart Road</u>
CONTRACT TERM	<u>18</u> MONTHS	OVERHEAD RATE	<u>159.47%</u>
START DATE	<u>10/1/2008</u>	COMPLEXITY FACTOR	<u>0</u>
RAISE DATE	<u>1/1/2009</u>	% OF RAISE	<u>4.00%</u>

#### ESCALATION PER YEAR

10/1/2008 - 1/1/2009	1/2/2009 - 1/1/2010	1/2/2010 - 4/1/2010		
3	12	3		
18	18	18		
= 16.67%	69.33%	18.03%		
= 1.0403		4.03%		

**The total escalation for this project would be:**

Exhibit B



Engineering Payment Report

Prime Consultant

Name: Hampton, Lenzini and Renwick, Inc.
Address: 380 Shepard Drive, Elgin, IL
Telephone: 847-697-6700
TIN Number: 36-2555986

Project Information

Local Agency: Kane County
Section Number: 08-00181-00-CH
Project Number:
Job Number:

This form is to verify the amount paid to the Sub-consultant on the above captioned contract. Under penalty of law for perjury or falsification, the undersigned certifies that work was executed by the Sub-consultant for the amount listed below.

Table with 3 columns: Sub-Consultant Name, TIN Number, Actual Payment from Prime. Rows include Huff & Huff, Inc. and Wang Engineering, Inc. Includes summary rows for Sub-Consultant Total, Prime Consultant Total, and Total for all Work Completed.

Signature and title of Prime Consultant \_\_\_\_\_ Date \_\_\_\_\_

Note: The Department of Transportation is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under state and federal law. Disclosure of this information is REQUIRED and shall be deemed as concurring with the payment amount specified above.



**Kane County Division of Transportation  
IL 31 and Mooseheart Road  
Phase I Engineering**

**Scope of Work**

**I. INTRODUCTION**

The Kane County Division of Transportation (KDOT) intends to construct improvements to the intersection of Illinois Route 31 (IL-31) and Mooseheart Road. Improvements will include the addition of separate turn lanes and installation of traffic signals. The project will also involve pavement widening or reconstruction and drainage improvements (curb and gutter with storm sewer). The alignments of both roads may be adjusted to reduce the impacts of the project on the adjoining properties and environment.

**II. SCOPE OF SERVICES**

The project limits include Mooseheart Road from its intersection with IL-31 to the existing three-lane pavement cross section 1,250 feet west; and IL-31 from approximately 700 feet south of Mooseheart Road to approximately 700 feet north of Mooseheart Road, a distance of about 1,400 feet. It is anticipated that new traffic signals will be installed and that a northbound left turn lane will be added to IL-31 and an eastbound right turn lane will be added to Mooseheart Road on their approaches to the intersection. Corner radii at the intersection will be improved to accommodate turns by multi-unit trucks.

**Task 1 – Topographic Surveys /Right-of-way Research**

HLR will conduct a complete topographic survey of the routes and rights-of-way within the project limits. Drainage outfalls east of IL 31, outside of the right-of-way, will be surveyed for approximately 300 feet. HLR will also search available documents from IDOT, KDOT and Kane County to establish the location of existing right-of-way along both routes. HLR will tie into existing benchmarks at the intersection (Existing USGS benchmark at intersection.)

The HLR project manager and project engineer will conduct an initial site inspection to gather information pertinent to the project and take photos of the project and areas that may be potentially impacted by the improvement.

**Task 2 – Existing Conditions**

HLR will obtain digital aerial photos and contour mapping available from Kane County's GIS Department for public agency projects. The topographic survey data will be plotted, and existing plan views, profiles and cross sections will be developed into base map drawings for use in the design of the improvements. Utility companies will be contacted for initial location and identification of their facilities.



HLR will also obtain record engineering plans from both KDOT and IDOT to assist in evaluating existing roadway and drainage facilities.

#### Task 3 – Environmental Surveys & Coordination

Huff & Huff, Inc. will conduct an initial screening for wetlands and Waters of the U.S. within the project limits, and, if found, will delineate those areas and conduct the necessary coordination with the U.S. Army Corps of Engineers (USACOE) to result in a jurisdictional determination. HLR will provide Huff & Huff with base maps and aerial photos that they may need to prepare exhibits for the wetland report. HLR will review the wetland report and submit it to the County for acceptance and to IDOT for biological resource clearance.

HLR will incorporate the information from Huff and Huff and complete the necessary IDOT forms and submittals for the project's Environmental Survey Request (ESR). A special waste screening request will also be included with the ESR. Additionally, HLR will develop and submit the traffic data required by IDOT for the COSIM (air quality) screening analysis.

Huff and Huff will also conduct a tree survey so that any tree impacts can be identified and quantified.

#### Task 4 – Pavement Investigations, Culvert Inspection

Based on record plan information and areas of potential roadway pavement widening, HLR will develop a plan for pavement cores and soil borings and work with Wang Engineering to accomplish this work. HLR will conduct a visual inspection of the pavement and review with Wang Engineering the results of the inspection, pavement cores, and soil borings and develop recommendation for roadway widening and resurfacing, patching, or reconstruction. HLR will also conduct an inspection of the rectangular box culvert/storm sewer outlet under IL-31 north of Mooseheart Road to determine whether it is structurally adequate or needs to be replaced.

#### Task 5 – Traffic and Crash Investigations

HLR will obtain crash data and reports from Kane County and IDOT, will summarize the data, prepare collision diagrams, and analyze the information to ascertain patterns or trends. A field evaluation of intersection sight distances and existing traffic operations will be conducted. HLR will also conduct a 12-hour manual turning-movement traffic count at the intersection for use in analyzing the existing intersection's capacity, developing traffic projections and evaluating traffic signal warrants. Traffic projections for the 2030 design year will be developed and submitted to CMAP for concurrence. HLR will coordinate with PACE regarding the existing fixed route bus stop, future plans and any geometric requirements or improvements that PACE may want considered.

Based on the results of the crash analysis, current and estimated 2030 design hour volumes, HLR will determine what types of geometric improvements could be



implemented to improve safety and improve traffic operations (basic lane and storage requirements). HLR will meet with KDOT staff to discuss these findings.

#### Task 6 – Location Drainage Study (LDS) and Roadside Drainage Design

Since this intersection and the drainage outfalls are under the jurisdiction of IDOT, HLR will coordinate with IDOT and prepare a LDS meeting IDOT District 1 requirements. HLR will also coordinate with KDOT and local municipalities, including Mooseheart regarding any known drainage issues or flooding concerns.

A proposed drainage design will be developed that will meet the requirements of the Kane County Storm Water Management Ordinance. The LDS will provide existing and proposed concept drainage designs and will evaluate the outfalls from the project that are tributary to the Fox River.

This task will also include typical Phase I early coordination with USACOE and the Illinois Department of Natural Resources- Office of Water Resources (IDNR-OWR).

#### Task 7 Preliminary Roadway Design

Based on the results of Task 5, three (3) design alternates will be developed to meet the safety and future traffic operation needs of the intersection. These geometric alternates will examine both symmetrical and asymmetrical widening to minimize impacts to adjacent properties and sensitive land uses. Design alternates will consist of horizontal and vertical geometry. Cross sections will be developed for purposes of assessing right-of-way requirements and any associated impacts. Traffic management issues will be analyzed.

It is anticipated that as part of this process it will be necessary to seek design deviations from IDOT design standard for certain geometric features. As part of this task, resources have been included for meetings with IDOT District 1 staff as well as an IDOT/FHWA coordination meeting.

Once a preferred design is selected, an Intersection Design Study (IDS), as well as Plan and profile sheets will be developed for inclusion in the Project Development Report (PDR.) Additional utility company coordination (proposed design) will take place. A planning level estimate of cost will be prepared.

#### Task 8 Public Involvement

Public meeting notices, brochures and exhibits will be prepared. Attendance at the meeting, including preparation of minutes and a compilation of comments along with draft responses will be developed. If a “de minimis” 4(f) impact exists (see Task 9) the necessary notification and documentation that this impact was discussed at the meeting will be included in this task.

#### Task 9 Processing of “De Minimis” 4(f) Impacts

Resources have been provided in the Scope of Services to prepare and process a “De Minimis” 4(f) impact through IDOT. This work includes preparation of a short



memorandum report with a location map and aerial photo exhibit of the impact for processing through IDOT. Hours have been provided for a separate IDOT/FHWA coordination meeting to address this issue if required.

Task 10 Project Development Report (PDR)

A draft and final PDR will be developed and submitted to KDOT and then IDOT for review and approval. Provisions for a second IDOT/FHWA coordination meeting are included in this task. Upon receipt of review comments from IDOT, and receipt of all environmental clearances, the final PDR will be submitted to IDOT. The PDR will include the necessary text, exhibits and engineering plans to receive Design Approval by IDOT.

Task 11 Plats and Legal Descriptions (Assumes 9 parcels)

It is estimated that potentially 9 parcels of land may be affected by the proposed improvement. This task provides resources to develop 9 plats of surveys meeting IDOT District Bureau of Land Acquisition requirements, which include additional field survey resources to survey property boundaries and locate buildings. A direct cost allowance has been included to obtain commitments for title insurance and subsequent updates to those commitments. Staking of the proposed right-of-way on each parcel is also included in this task.

Task 12 Client Coordination and Project Administration

This task provides for three (3) coordination meetings, including meeting minutes, in addition to those meetings identified in specific tasks above. This task also includes project status reporting, budgeting and invoicing tasks.



Kane County Division of Transportation  
IL 31 & Mooseheart Road  
Phase I Engineering

Exhibit D - Summary of In-House Direct Costs

<u>Service or Item</u>	<u>Cost</u>
<b>Task 1 - Topographic Surveys / R.O.W. Research</b>	
Mileage for one trip to project @ 31 miles @ \$0.585	\$ 18.00
<b>Task 4 - Pavement Investigations / Culvert Inspection</b>	
Mileage for one trip to project @ 31 miles @ \$0.585	\$ 18.00
<b>Task 5 - Traffic &amp; Crash Investigations</b>	
Mileage for two trips to project @ 31 miles @ \$0.585	\$ 36.00
<b>Task 6 - Location Drainage Study and Roadside Drainage Design</b>	
Mileage for initial meeting with IDOT @ 43 miles @ \$0.585	\$ 25.00
Mileage for meeting with local agencies @ 31 miles @ \$0.585	\$ 18.00
Mileage for second meeting with IDOT @ 43 miles @ \$0.585	\$ 25.00
<b>Task 8 - Public Involvement</b>	
Mileage for two meetings with local agencies @ 31 miles (each) @ \$0.585	\$ 36.00
<b>Task 11 - Plats &amp; Legal Descriptions</b>	
Title letters for nine properties @ \$255.	\$ 2,295.00
Title letter updates for nine properties @ \$50.	\$ 450.00
<b>Total In-House Direct Costs</b>	<b>\$ 2,921.00</b>



**Kane County Division of Transportation**  
**IL Route 31 and Mooseheart Road Intersection Improvements**  
**Phase I Engineering**  
**PROPOSED PROJECT SCHEDULE**

	Year	2009												2010					
	Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
<b>Phase I</b>																			
A Authorization to Start		█																	
1 Topographic Survey / Right-of-way Research		█	█																
2 Existing Conditions / Utility Coordination			█	█															
3 Environmental Surveys & Coordination						█	█	█	█										
4 Pavement Investigations / Culvert Inspection				█	█														
5 Traffic & Crash Investigations			█	█															
6 Location Drainage Study / Drainage Design				█	█	█	█	█	█					█					
7 Preliminary Roadway Design				█	█	█	█	█	█					█					
8 Public Involvement															█	█			
9 Prep & process of "De Minimis" 4(f) Impacts			█	█	█				█	█						█			
10 Project Development Report								█	█	█	█	█	█				█	█	█
11 Plats & Legal Descriptions														█	█	█	█	█	█
12a County / HLR Meetings & Coordination				█	█	█			█								█	█	
12b FHWA Coordination Meetings										█						█			
12c Outside Agency Coord. / Design Approval						█		█	█	█								█	█

Prepared By: Hampton, Lenzini, and Renwick, Inc.



environmental engineers  
and consultants

915 Harger Road, Suite 330  
Oak Brook, IL 60523  
Phone: (630) 684-9100  
Fax: (630) 684-9120  
Website: <http://huffnhuff.com>

August 12, 2008

Ms. Diane Lukas, P.E.  
Hampton, Lenzini & Renwick, Inc.  
380 Shepard Drive  
Elgin, IL 60123-7010

Re: Route 31 and Mooseheart Road Intersection  
North Aurora, Kane County, Illinois  
Proposal #: T08-063

Dear Ms. Lukas:

Huff & Huff, Inc. (H&H) is pleased to submit this proposal to perform a wetland delineation and tree survey for the referenced project. This proposal presents our project approach, the scope of services, cost, and schedule for completing the project.

## **1. PROJECT UNDERSTANDING**

It is our understanding that Kane County is proposing to improve the intersection of Route 31 and Mooseheart Road in North Aurora. Based on a map review no wetlands appear to be present within the proposed project limits. The Fox River is east of the project area and the Les Arends Forest Preserve is located to the north near Mill Creek. Kane County Division of Transportation has proposed to improve the intersection which may include limited widening for turn lanes.

## **2. PROJECT APPROACH**

H&H will conduct a wetland screening for the proposed improvements of Route 31 and Mooseheart Road in Batavia, Illinois. H&H will utilize existing published map data to determine the presence of wetlands and hydric soils.

This proposal includes a wetland screening of the project area to determine if wetlands are present. Some may be present in drainage swales on the northeast corner of the intersection. If wetlands are not present within the limits of the proposed improvement, a summary letter documenting this will be prepared. If wetland(s) are present, H&H will conduct a wetland delineation. H&H is enclosing within this proposal the scope of

services for delineation and reporting, if required. Permitting is typically conducted in Phase 2 and is not included in this proposal.

"Wetlands" are defined by the COE for jurisdictional purposes as "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (33 CFR 323.3(c)). This definition is used by the COE to define wetlands and is the definition used by Lake County for their watershed development ordinance (WDO). To perform this task, a site visit is required to document wetlands and "Waters of the U.S." located within the project limits. Upon completion of the delineation work, H&H will coordinate with the regulatory agencies to determine the jurisdictional status of the wetlands.

### **3. SCOPE OF SERVICES**

H&H will provide the following scope of services for the Route 31 and Mooseheart Road project in Kane County, Illinois:

#### **Task 1. Wetland Delineation and Wetland Delineation Report**

The following records/documents will be reviewed prior to conducting the field investigation. Soils information will be reviewed to determine the soil types encountered during the delineation procedures. The maps to be reviewed and used include:

- U.S. Geological Survey Topographic Maps
- National Wetlands Inventory (NWI) Maps
- Kane County Soil Survey
- Kane County NRCS Wetland Map
- Kane County ADID Wetland Maps
- Hydric Soils of the United States
- FEMA Flood Insurance Rate Maps

The on-site investigation will be conducted by our environmental staff experienced in federal methods for conducting wetland delineations. This is the approved methodology utilized by Kane County. Our staff will classify and define hydric soils, hydrophytic vegetation, and evidence of hydrology to determine if wetlands are present. The wetland perimeters will be located and flagged for completion of field survey by others.

Wetlands found will be classified according to type using the "Classification of Wetlands and Deep Water Habitats of the United States" by Cowardin. Wetland boundaries will be defined using the Corps of Engineers Wetlands Delineation Manual (1987). This includes a soil investigation to determine the presence or absence of hydric soils and an analysis of the dominant plant species. Field observations will be made on any evidence indicating the hydrology of the area and on water sources that are supporting these wetlands. Functions of these wetlands will be evaluated from field observations.

During the field investigations, detailed plant sampling will be conducted to compile a Floristic Quality Assessment (FQA) for areas investigated. This FQA is required by the U.S. Army Corps of Engineers (ACOE) and Kane County.

A wetland delineation report will be prepared summarizing the findings of the fieldwork including mitigation recommendations and options. If no wetlands are present, a summary letter will be prepared with necessary documentation of the field investigation.

Wetland delineation data sheets will be included in the report, which summarize the findings of the field investigation. We estimate that approximately four data points will be required, as at a minimum one upland and one wetland data point is needed for each wetland encountered.

Specific items to be included are as follows:

- a) Map showing the wetland boundaries and project boundaries
- b) Aerial Photo with the appropriate limits of delineated wetlands
- c) ACOE data sheets with color photos
- d) Written description of wetland functional classification
- e) Floristic Quality Index Rating assessment

Since January 2005, the NRCS no longer conducts farmed wetland determinations for areas of agricultural conversion. Therefore, H&H will perform any required farmed wetland determination utilizing NRCS guidance. This will require a trip to the Kane County NRCS/SWCD office.

### Surveying

Surveying the perimeters of delineated wetlands will be required. H&H will flag the perimeters and will coordinate with HLR staff to assure accuracy of the wetland boundaries. This will include a meeting in the field, if necessary, with the survey crew.

### **Task 2. Jurisdictional Determination Submittal**

Once the delineations have been completed, a draft jurisdictional determination request will be prepared and presented to Kane County. This request will be modified as requested by Kane County and resubmitted to Kane County for issuance to the COE. This form requires the signature of a Kane County official. As part of the jurisdictional determination process, an on-site field visit may be required. If necessary, H&H staff will accompany COE officials to the site after the delineation is completed. Upon submittal of the jurisdictional determination request, it may take upwards of eighteen (18) months to obtain an official jurisdictional determination from the COE.

The jurisdictional submittal will determine which wetlands will require COE permitting. Wetlands deemed isolated will not require COE review, but may require permitting

through the Kane County ordinance. This proposal includes the jurisdictional determination submittal, but does not include permitting through the COE or Kane County.

### **Task 3. Tree Survey and Report**

Trees are a significant part of the project area bordering the intersection on three sides. As part of the environmental studies, a detailed tree survey will be conducted. All trees six inches and greater in diameter will be identified and surveyed. The survey will include size, species, and condition of the trees. H&H will utilize plan sheets to complete the tree survey process. HLR will survey each tagged tree for incorporation to the plan sheets. A report will be prepared summarizing the types and condition of trees surveyed.

### **4. COST ESTIMATE**

This proposal covers the investigation of wetland(s) and tree survey for the referenced project. Compensation for the services provided under this agreement will be cost plus fixed fee, with a not to exceed limit on the contract in accordance with the tasks described in Section 3. The attached summary provides the level of effort and associated cost. Estimated cost is \$10,835.00.

The Consultant will invoice after completion of Task 1. Payment is requested within 30 days of the date of invoice.

### **5. SCHEDULE**

The wetland investigation will be scheduled within four weeks after the Notice to Proceed is given. This proposal assumes that the delineation will be completed during the growing season (June 15 to October 15). If the delineation is completed outside of the growing season, additional field visits may be required. Additional site visits have not been included in this scope of work.

### **6. CONTRACT CONDITIONS**

1. **CONSULTANT'S SERVICES:** The Consultant's (Huff & Huff, Inc.) services shall consist of those tasks described in Section 3.
2. **SCHEDULE:** The Consultant's work under this Agreement shall begin according to Section 5.
3. **COMPENSATION:** The fee basis is outlined in Section 4.
4. **DIRECTION:** For work performed under this Agreement, Consultant shall take direction from the Client.
5. **CHANGES:** This Agreement may only be changed by written amendment which specifies the terms being revised and which has been signed by both parties hereto.



6. PROJECT DATA: The Consultant, in coordination with the Client, shall obtain from the appropriate sources all data and information necessary for the proper and complete execution of the Consultant's services. Consultant shall be entitled to rely on materials and information provided by the Client.
7. INDEPENDENT CONSULTANT: The Consultant shall be deemed to be an independent contractor in all its operations and activities hereunder. The employees furnished by Consultant to perform the work shall be deemed to be Consultant employees exclusively, and said employees shall be paid by Consultant for all services in this connection. The Consultant shall be responsible for all obligations and reports covering Social Security, Unemployment Insurance, Worker's Compensation, Income Tax, and other reports and deductions required by an applicable state or Federal law.
8. RIGHTS OF WORK PRODUCT: Client shall have unlimited rights in all drawings, designs, specifications, notes, and other work developed in the performance of this contract, including the right to use same on any other work without additional cost to the Client. The Consultant shall not be liable for any use or reuse of the drawings, designs, specifications, notes and other work for use other than intended under the terms of this Agreement.
9. INDEMNIFICATION: The Consultant hereby agrees to indemnify and hold harmless the Client and any proper owners whose property it is necessary to access in the performance of this work, against any and all liability, loss, damages, demands, or actions or causes of action, which may result from any damages or injuries sustained by a person or entity in connection with or on account of any negligent act or omission of the Consultant or its employees relating to its obligations pursuant to this Agreement.
10. TERMINATION: Client may terminate this Agreement at any time upon ten (10) days written notice for whatsoever reason, provided Client shall pay the Consultant a reasonable fee for work satisfactorily performed prior to the effective date of termination. In no case, however, shall the total amount paid to Consultant exceed the amount set out above.
11. INSURANCE: The Consultant shall maintain insurance as set forth in the prime contract, if attached, or as set forth below.
  - a. ~~Worker's Compensation and Employer's Liability Insurance: Worker's Compensation in compliance with applicable State and Federal laws.~~
  - b. Comprehensive General Liability Insurance for Bodily Injury and Property Damage to a combined single limit of \$2,000,000 per occurrence/claim or an umbrella of \$3,000,000.
  - c. Comprehensive Automobile Liability Insurance, including owned, hired, and non-owned automobiles, for Bodily Injury and Property Damage to a combined single limit of \$1,000,000 per occurrence.
  - d. Professional liability insurance \$2,000,000 on a claims made basis.

12. **LIMITATION OF LIABILITY.** Client recognized the disparity in relative risks and benefits of this engagement between Client and Consultant. In such recognition, Client agrees, to the fullest extent permitted by law, to limit all liability of Consultant to the Client for any claims, losses, costs, damages, suits, warranties, whether for negligence, breach of contract or any other legal, equitable or statutory theory whatsoever, regardless of cause, including but not limited to attorneys' fees, costs and expenses, so that the total aggregate liability of the Consultant to the Client shall not exceed \$50,000 or, two hundred percent of all fees received by Consultant under this Agreement, whichever is greater. Additional limits of liability are available for additional fees. Unless such additional limits are negotiated in advance of any services under this Agreement, this limitation of liability shall apply regardless of the cause of action of legal theory pursued.
13. **STANDARD OF CARE:** Services performed by the Consultant under this Agreement will be conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions.
14. **RETENTION OF RECORDS:** Consultant shall maintain complete records of all hours billed and direct costs incurred under this Agreement so as to accurately reflect the services performed and basis for compensation and reimbursement under this Agreement. All relevant project and accounting files relating to this project shall be maintained for a period of seven (7) years from the date of termination or completion.
15. **LEGAL:** This Agreement shall be construed and interpreted solely in accordance with the laws of the State of Illinois.

BOTH PARTIES HERETO WARRANT AND REPRESENT that they have full right, power, and authority to execute this Contract.

IN WITNESS THEREOF, the parties hereto have executed this Agreement as of the day and year first specified above.

CONSULTANT  
HUFF & HUFF, INC.

CLIENT  
HAMPTON, LENZINI AND RENWICK

Linda L. Huff

Diane Lukas

Signature

Signature

By Linda L. Huff, P.E.

DIANE LUKAS

Typed Name

Typed Name

President

PRESIDENT

Officer's Title

Officer's Title

8/12/08

10/21/08

Date

Date

**PAYROLL ESCALATION TABLE  
FIXED RAISES**

FIRM NAME Huff & Huff, Inc.  
PRIME/SUPPLEMENT HLR - Rte 31 / Mooseheart Rd

DATE 08/11/08  
PSB NO. \_\_\_\_\_

CONTRACT TERM 24 MONTHS  
START DATE 10/01/08  
RAISE DATE 01/01/09

OVERHEAD RATE 145.00%  
COMPLEXITY FACTOR \_\_\_\_\_  
% OF RAISE 3.00%

**ESCALATION PER YEAR**

10/01/08 - 01/01/09

01/02/09 - 01/01/10

01/02/10 - 10/01/10

$\frac{3}{24}$

$\frac{12}{24}$

$\frac{9}{24}$

= 12.50%  
= 1.0378

51.50%

39.78%

The total escalation for this project would be:

3.78%

## PAYROLL RATES

FIRM NAME Huff & Huff, Inc. DATE 08/11/08  
 PRIME/SUPPLEMENT HLR - Rte 31 / Mooseheart Rd  
 PSB NO. \_\_\_\_\_

ESCALATION FACTOR 3.78%

CLASSIFICATION	CURRENT RATE	PROPOSED RATE	CALCULATED RATE	DIFF
Principal	\$60.20		\$62.48	\$62.48
Senior Associate	\$54.00		\$56.04	\$56.04
Senior Project Manager	\$43.28		\$44.92	\$44.92
Senior Engineer II	\$35.61		\$36.96	\$36.96
Senior Engineer I	\$36.00		\$37.36	\$37.36
Senior Scientist IV	\$39.50		\$40.99	\$40.99
Senior Scientist III	\$34.70		\$36.01	\$36.01
Senior Scientist II	\$27.56		\$28.60	\$28.60
Senior Scientist I	\$25.08		\$26.03	\$26.03
Senior Geologist I	\$30.24		\$31.38	\$31.38
Project Engineer II	\$29.37		\$30.48	\$30.48
Project Engineer I	\$23.58		\$24.47	\$24.47
Wetland Scientist III	\$19.48		\$20.22	\$20.22
Wetland Scientist II	\$18.20		\$18.89	\$18.89
Wetland Scientist I	\$17.08		\$17.73	\$17.73
Project Scientist II	\$19.10		\$19.82	\$19.82
Project Geologist I	\$24.04		\$24.95	\$24.95
Senior CADD I	\$29.36		\$30.47	\$30.47
CADD II	\$20.80		\$21.59	\$21.59
CADD I	\$14.92		\$15.48	\$15.48
Admin. Manager I	\$26.94		\$27.96	\$27.96
Administrative III	\$17.00		\$17.64	\$17.64
Interns	\$13.00		\$13.49	\$13.49
			\$0.00	\$0.00

# Subconsultants

FIRM NAME Huff & Huff, Inc.  
PRIME/SUPPLEMENT HLR - Rte 31 / Mooseheart Rd  
PSB NO. \_\_\_\_\_

DATE 08/11/08

NAME	Direct Labor Total	Contribution to Prime Consultant
------	--------------------	----------------------------------

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**  
**PSB**  
PRIME/SUPPLEMENT

Huff & Huff, Inc.  
HLR - Rte 31 / Mooseheart Rd

OVERHEAD RATE  
COMPLEXITY FACTOR

1.45  
0

DATE 08/11/08

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
	Wetland Delineation / Rpt	80	2,045.79	2,966.39	175.00	756.94	15.50			5,959.61	55.00%
	Jurisdictional Determination	12	332.94	482.76	3.40	123.19	0.00			942.29	8.70%
	Tree Survey / Report	61	1,334.12	1,934.47	155.65	493.62	15.50			3,933.37	36.30%
	<b>Subconsultant DL</b>					0.00					
	<b>TOTALS</b>	153	3,712.84	5,383.62	334.05	1,373.75	31.00	0.00	0.00	10,835.27	100.00%

DBE 0.00%

DBE

PREPARED BY THE AGREEMENTS UNIT

Printed 08/11/08 4:20 PM

**AVERAGE HOURLY PROJECT RATES**

**FIRM**  
**PSB**  
**PRIME/SUPPLEMENT**

Huff & Huff, Inc.  
HLR - Rte 31 / Mooseheart Rd

DATE 08/11/08

SHEET 1 OF 5

PAYROLL CLASSIFICATION	TOTAL PROJECT RATES			Wetland Delineation / Rpt			Jurisdictional Determinati			Tree Survey / Report								
	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Senior Scientist II	71	46.41%	13.27	48	60.00%	17.16	8	66.67%	19.07	15	24.59%	7.03						
Senior Scientist I	24	15.69%	4.08	16	20.00%	5.21	4	33.33%	8.68	4	6.56%	1.71						
Wetland Scientist III	30	19.61%	3.96							30	49.18%	9.94						
CADD I	20	13.07%	2.02	12	15.00%	2.32				8	13.11%	2.03						
Administrative III	8	5.23%	0.92	4	5.00%	0.88				4	6.56%	1.16						
	0																	
	0																	
	0																	
	0																	
<b>TOTALS</b>	153	100%	\$24.27	80	100.00%	\$25.57	12	100%	\$27.74	61	100%	\$21.87	0	0%	\$0.00	0	0%	\$0.00



## SUMMARY OF INHOUSE DIRECT COSTS

Project: HLR - Route 31 / Mooseheart Road

### DIRECT

#### ***Task 01-Wetland Delineation / Report***

Trips	70 miles	x	4	x	\$	0.585	=	\$	163.80
Reproduction	10 sets	x	10	x	\$	0.04	=	\$	4.00
Color copies	10 sets	x	2	x	\$	0.12	=	\$	2.40
Photo sheets	10 sets	x	4	x	\$	0.12	=	\$	4.80
									<b>Task Total</b>
									<b>\$ 175.00</b>

#### ***Task 02- Jurisdictional Determination***

Reproduction	5 sets	x	5	x	\$	0.04	=	\$	1.00
Color copies	5 sets	x	2	x	\$	0.12	=	\$	1.20
Photo sheets	5 sets	x	2	x	\$	0.12	=	\$	1.20
									<b>Task Total</b>
									<b>\$ 3.40</b>

#### ***Task 03- Tree Survey & Report***

Trips	70 miles	x	3	x	\$	0.585	=	\$	122.85
Reproduction	10 sets	x	40	x	\$	0.04	=	\$	16.00
Color copies	10 sets	x	6	x	\$	0.12	=	\$	7.20
Photo sheets	10 sets	x	8	x	\$	0.12	=	\$	9.60
									<b>Task Total</b>
									<b>\$ 155.65</b>

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**GRAND TOTAL           \$   334.05**

## SUMMARY OF OUTSIDE DIRECT COSTS

Project: HLR - Route 31 / Mooseheart Road

				<u>OUTSIDE</u>
<b>Task 01-Wetland Delineation / Report</b>				
Federal Express	1 x	\$ 15.50	= \$	15.50
		<b>Task Total</b>	<b>\$</b>	<b>15.50</b>
<b>Task 02- Jurisdictional Determination</b>				
		<b>Task Total</b>	<b>\$</b>	<b>-</b>
<b>Task 03- Tree Survey &amp; Report</b>				
Federal Express	1 x	\$ 15.50	= \$	15.50
		<b>Task Total</b>	<b>\$</b>	<b>15.50</b>
<b>GRAND TOTAL</b>				<b>\$ 31.00</b>

P:\Proposal-2008\HLR\HLR Rte 31 DC.xls\Inhouse Direct Costs

August 14, 2008

Ms. Diane Lukas, P.E.  
President  
Hampton, Lenzini, and Renwick, Inc.  
380 Shepard Drive  
Elgin, Illinois 60123

Re: Proposal - Geotechnical Engineering Services  
Kane County Department of Transportation  
Route 31 and Mooseheart Road  
Batavia, Illinois  
WEI No. P080803

Dear Ms. Lukas:

Wang Engineering, Inc. (WEI) is pleased to present our proposal to provide geotechnical drilling, laboratory testing, engineering analyses, and recommendations for the roadway reconstruction and widening at the intersection of Route 31 and Mooseheart Road in Batavia, Illinois.

The following describes our proposed scope of work, cost estimate, and assumptions made in developing the cost estimate.

### **SCOPE OF WORK**

The purpose of our geotechnical investigation will be to determine the soil and groundwater conditions, perform geotechnical engineering analysis, and provide recommendations for the design and construction of the proposed Route 31 and Mooseheart Road Improvements.

WEI understands the improvements will include widening of both streets, Route 31 and Mooseheart Road, to add turning lanes and to install traffic signals. Soil borings will be placed accordingly in the pavement widening areas. Due to the age of Route 31, it's possible that the inside lanes of Route 31 are older than the outside lanes. Pavement cores will be taken to investigate the existing pavement conditions and have been arranged accordingly. In addition, a box culvert located immediately north of the intersection will be investigated for replacement.

**Geotechnical Drilling:** WEI will drill and sample seven soil borings for the intersection improvements. Three soil borings will be taken along Mooseheart Road's widening area, while 4 soil borings will be taken along Route 31 widening areas. The borings will be drilled from the existing ground surface to 10 feet below ground surface (bgs). The actual boring termination

depths will be determined in the field based on site soil conditions. The borings will be advanced with hollow stem augers. Soil samples will be collected with split barrel samplers according to AASHTO T 206, "Penetration Test and Split-Barrel Sampling of Soils." Standard penetration test data will be collected by the field engineer. The borings will be backfilled with soil cuttings immediately upon completion.

**Pavement Coring Services** — WEI will provide equipment, labor, and associated materials to obtain seven pavement cores; two from Mooseheart Road pavement and five from Route 31 pavement. The cores will be obtained using a 4-inch diameter, diamond impregnated core barrel. The cores would be measured for thickness and photographed, and will be delivered to our in-house laboratory in Lombard, Illinois for further investigations.

**Field Supervision:** Before starting the investigation, a WEI representative will mark the boring locations in the field and clear utilities through JULIE one call system. A field engineer will monitor drilling activities, maintain daily field notes, soil boring logs, as well as receive, classify, and prepare soil samples for laboratory analyses. The field engineer will perform penetrometer and Rimac unconfined compressive strength tests on cohesive soil samples and will monitor the as-drilled groundwater level in boreholes.

As-drilled boring locations and elevations will be surveyed by WEI using a mapping grade Trimble GeoXH GPS unit having a sub-foot horizontal accuracy.

**Laboratory Testing:** After the completion of the drilling phase, all soil samples will be transported to our in-house IDOT- and AMRL-certified laboratory in Lombard, Illinois. The soil testing program will include natural moisture content (AASHTO T-265), Atterberg Limits (AASHTO T-89, T-90), and particle size analyses (AASHTO T-88). As necessary, the organic content by wet combustion will also be determined.

**Engineering Analysis and Recommendations:** The roadway geotechnical report (RGR) will be prepared according to the current IDOT Geotechnical Manual AGMU Memoranda guidelines. In general, the report will include a detailed description of soil and groundwater conditions encountered, field and laboratory testing procedures and results, climatology, pedology, and geology of the areas, and geotechnical engineering analyses performed, and recommendations and criteria for the design and construction for the improvements to the Route 31 and Mooseheart Road intersection. The report will also include site location map, boring location plan, boring logs, and soil profiles. Hampton, Lanzini, and Ranwick, Inc. will provide plan and profile drawings (Microstation or AutoCadd files) for the preparations of boring location plans and soil profiles.

## SCHEDULING

WEI will start the project expediently upon prior authorization to proceed. We anticipate that, after utility clearance, one working day will be necessary to complete the drilling phase of the project. The laboratory-testing program will proceed concurrently with the drilling activities and

will be completed within two weeks after the drilling completion. The geotechnical report will be finalized two weeks after the completion of the testing program.

### **ESTIMATED COST AND ASSUMPTIONS**

A cost estimate is not provided with this scope of work and can be provided at a later date. We have assumed the following conditions for this project:

- The site is accessible to a truck mounted drill rig,
- Lane closures will be necessary, and
- Drilling unit costs are considered prevailing rate under the Prevailing Wage Act (820 ILCS 130/0.01).

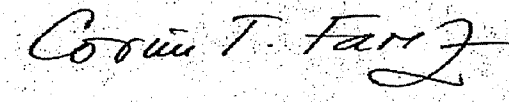
### **INSURANCE**

Attached is a sample of our Certificate of Insurance. Additional insurance beyond our standard coverage is not included in our cost estimate and will be considered as reimbursement item

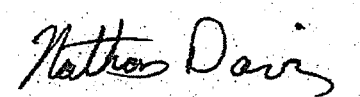
Wang Engineering, Inc. appreciates the opportunity to present this proposal. If you have questions, or if you require additional information, please contact us at (630) 953-9928.

Sincerely,

WANG ENGINEERING, INC.



Corina T. Farez, P.E., P.G.  
Vice President



Nathan Davis,  
Engineering Geologist

Attachment:      Proposed Boring Location  
                         Cost Estimate for Consultant Services  
                         Direct Cost Breakdown  
                         Certificate of Insurance

**PAYROLL ESCALATION TABLE  
FIXED RAISES**

FIRM NAME Wang Engineering, Inc.  
PRIME/SUPPLEMENT Prime

DATE 08/14/08  
PSB NO. \_\_\_\_\_

CONTRACT TERM 6 MONTHS  
START DATE 10/1/2008  
RAISE DATE 1/1/2009

OVERHEAD RATE 212.18%  
COMPLEXITY FACTOR 0.003  
% OF RAISE 3.00%

**ESCALATION PER YEAR**

10/1/2008 - 1/1/2009

1/2/2009 - 4/1/2009

$\frac{3}{6}$

$\frac{3}{6}$

= 50.00%  
= 1.0150

51.50%

1.50%

**The total escalation for this project would be:**

## PAYROLL RATES

**FIRM NAME**  
**PRIME/SUPPLEMENT**  
**PSB NO.**

Wang Engineering, Inc.  
Prime

**DATE**

08/14/08

**ESCALATION FACTOR**

**1.50%**

CLASSIFICATION	CURRENT RATE	PROPOSED RATE	CALCULATED RATE	DIFF
Principal in Charge	\$53.50	\$53.50	\$54.30	\$0.80
Project Manager	\$44.65	\$44.65	\$45.32	\$0.67
Senior Engineer	\$44.65	\$44.65	\$45.32	\$0.67
Project Engineer	\$28.69	\$28.69	\$29.12	\$0.43
Staff Engineer	\$28.20	\$28.20	\$28.62	\$0.42
Field Engineer	\$28.20	\$28.20	\$28.62	\$0.42
Senior Field Inspectors	\$29.40	\$29.40	\$29.84	\$0.44
Documentation	\$29.40	\$29.40	\$29.84	\$0.44
Assistant Staff	\$18.60	\$18.60	\$18.88	\$0.28
Field Inspectors	\$18.60	\$18.60	\$18.88	\$0.28
Laboratory Technician	\$18.60	\$18.60	\$18.88	\$0.28
Project Administrative Assistant	\$22.06	\$22.06	\$22.39	\$0.33
QC/QA Reviewer	\$24.04	\$24.04	\$24.40	\$0.36
			\$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	\$0.00
			\$0.00	\$0.00
			\$0.00	\$0.00
			\$0.00	\$0.00
			\$0.00	\$0.00
			\$0.00	\$0.00

# Subconsultants

FIRM NAME Wang Engineering, Inc.  
PRIME/SUPPLEMENT Prime  
PSB NO. \_\_\_\_\_

DATE 08/14/08

NAME	Direct Labor Total	Contribution to Prime Consultant
------	--------------------	----------------------------------

0.00  
0.00  
0.00  
0.00  
0.00  
0.00  
0.00  
0.00  
0.00

**Total** 0.00 0.00





**AVERAGE HOURLY PROJECT RATES**

**FIRM**  
**PSB**  
**PRIME/SUPPLEMENT**

Wang Engineering, Inc.  
Prime

DATE 08/14/08

SHEET 1 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Project Management			Subsurface Investigation			Laboratory Testing			Engineering Analyses			Geotechnical Report		
		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 in Charge	54.30	0.5	0.48%	0.26	0.5	16.67%	9.05												
Project Manager	45.32	5	4.76%	2.16	2	66.67%	30.21	1	4.35%	1.97				1	2.33%	1.05	1	3.45%	1.56
Senior Engineer	45.32	8	7.62%	3.45										2	4.65%	2.11	6	20.69%	9.38
Project Engineer	29.12	10	9.52%	2.77				2	8.70%	2.53							8	27.59%	8.03
Staff Engineer	28.62	16	15.24%	4.36										4	9.30%	2.66	12	41.38%	11.84
Field Engineer	28.62	20	19.05%	5.45				8	34.78%	9.96				12	27.91%	7.99			
Senior Field Inspectors	29.84	0																	
Documentation	29.84	0																	
Assistant Staff	18.88	26	24.76%	4.67										24	55.81%	10.54	2	6.90%	1.30
Field Inspectors	18.88	12	11.43%	2.16				12	52.17%	9.85									
Laboratory Technician	18.88	4	3.81%	0.72							4	100.00%	18.88						
Project Administrative Assistant	22.39	0.5	0.48%	0.11	0.5	16.67%	3.73												
QC/QA Reviewer	24.40	3	2.86%	0.70															
		0																	
		0																	
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		0																	
<b>TOTALS</b>		105	100%	\$26.81	3	100.00%	\$43.00	23	100%	\$24.31	4	100%	\$18.88	43	100%	\$24.35	29	100%	\$32.12

# AVERAGE HOURLY PROJECT RATES

FIRM                    Wang Engineering, Inc.  
 PSB                     \_\_\_\_\_  
 PRIME/SUPPLEMENT Prime

DATE                    08/14/08  
 SHEET                 3 OF 5

PAYROLL CLASSIFICATION	AVG HOURLY RATES																		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg			
Principal in Charge	54.30																		
Project Manager	45.32																		
Senior Engineer	45.32																		
Project Engineer	29.12																		
Staff Engineer	28.62																		
Field Engineer	28.62																		
Senior Field Inspector	29.84																		
Documentation	29.84																		
Assistant Staff	18.88																		
Field Inspectors	18.88																		
Laboratory Technician	18.88																		
Project Administrator	22.39																		
QC/QA Reviewer	24.40																		
TOTALS		0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00

DIRECT COST ESTIMATE  
FOR  
ENGINEERING, FIELD AND LABORATORY INVESTIGATIONS

Proposal No. P080803  
Date 8/14/2008

**FIELD INVESTIGATION**

<b>Task Description</b>	<b>Units</b>	<b>Unit Price</b>	<b>Extended Cost</b>
Mobilization (Truck Mounted Drill Rig)	1 No.	\$623.15 /Each	\$623.15
Mobilization (ATV Mounted Drill Rig)		\$963.05 /Each	\$0.00
Support Auxiliary Truck	1 No.	\$45.00 /Each	\$45.00
Field Vehicle Daily (Less than 100 Miles per Day)	3 Days	\$45.00 /Day	\$135.00
ATV Mounted Drill Rig Daily Charge		\$283.25 /Day	\$0.00
Daily Mobilization		\$141.63 /Day	\$0.00
Stand-By Time Drill Mounted on Truck		\$283.25 /Hour	\$0.00
Stand-By Time Drill Mounted on ATV		\$283.25 /Hour	\$0.00
Water Tank to Service Coring		\$141.63 /Day	\$0.00
Lighting for Night Field Activities		\$118.97 /Night	\$0.00

**Drilling and Sampling**

*Drilling including split spoon sampling @ 2.0 feet continuous sampling to 10'  
(SPT, Penetrometer, Visual Classification Included)*

*5 Borings to 15 feet bgs*

**Continuous Sampling**

Normal Hours	70.0 Feet	\$25.49 /Foot	\$1,784.30
Restricted Hours (6 Hrs)		\$30.59 /Foot	\$0.00
Night Hours (8 Hrs)		\$30.59 /Foot	\$0.00

***Pavement Coring***

*For 2-inch, 4-inch, and 6-inch diameter pavement cores*

**Pavement Coring**

Normal Working Hours	84 Inches	\$11.80 /Inch	\$991.20
Restricted Hours (6 Hrs)		\$15.69 /Inch	\$0.00
Night Work		\$13.57 /Inch	\$0.00
<b>Core Machine</b>	1 Day	\$141.63 /Day	\$141.63
<b>Generator</b>	1 Day	\$84.98 /Day	\$84.98

**Pavement Patching**

Asphalt	4 Bags	\$15.45 /Bag	\$61.80
Concrete		\$17.00 /Bag	\$68.00

***Traffic Control***

**Lane Closure**

Daytime (2 locations)	1 Days	\$1,200.00 /Each	\$1,200.00
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**Total Field Investigation** \$5,135.06

DIRECT COST ESTIMATE  
FOR  
ENGINEERING, FIELD AND LABORATORY INVESTIGATIONS

**LABORATORY TESTING**



Task Description	Units	Unit Price	Extended Cost
<b>Natural Moisture Content Determination</b>	28 Tests	\$5.92 /Test	\$165.76
<b>Atterberg Limit Testing</b>	2 Tests	\$62.00 /Test	\$124.00
<b>Shrinkage Limit Determination</b>		\$74.00 /Test	\$0.00
<b>Specific Gravity Determination</b>		\$50.00 /Test	\$0.00
<b>Organic Content Determination</b>			
Loss on Ignition		\$50.00 /Test	\$0.00
Wet Method	1 Tests	\$87.50 /Test	\$87.50
<b>Particle Size Analysis</b>			
Unwashed Sieve Analysis		\$53.60 /Test	\$0.00
Washed Sieve Analysis		\$62.00 /Test	\$0.00
Hydrometer Analysis		\$68.70 /Test	\$0.00
Combined Sieve and Hydrometer Analysis	2 Tests	\$100.40 /Test	\$200.80
Soil Finer than #200 Sieve		\$41.20 /Test	\$0.00
Additional Sieves - beyond the required standard sieves		\$4.12 /Test	\$0.00
<b>Permeability Testing</b>			
Sample Preparation		\$43.25 /Sample	\$0.00
Rigid Wall Permeability - Constant Head		\$375.00 /Test	\$0.00
Flexible Wall Permeability (Constant and Falling Head)		\$407.00 /Test	\$0.00
<b>CBR Determination (includes compaction)</b>		\$562.00 /Test	\$0.00
<b>IBR Determination (Includes compaction)</b>		\$407.00 /Test	\$0.00
<b>Unconfined Compressive Strength</b>			
Undisturbed Sample		\$65.60 /Each	\$0.00
Remolded Sample		\$74.00 /Each	\$0.00
<b>Consolidation</b>			
1-D Undisturbed Sample			
Standard Sample (1.5 to 3" diameter)		\$438.00 /Test	\$0.00
Time Consolidation, Cv, T <sup>2</sup> or Log T		\$62.00 /Load	\$0.00
<b>Shelby Tube Extraction and Preservation</b>		\$20.00 /Tube	\$0.00
<b>Total Laboratory Testing Cost</b>			<b>\$578.06</b>

**OTHER PROJECT RELATED DIRECT COST**

Item Description	Units	Unit Price	Unit Price
Report Reproduction			
Copies, Black & White, 8.5" X 11"	200	\$0.18 /Each	\$36.00
Copies, Color, 8.5" X 11"	12	\$2.00 /Each	\$24.00
Copies, Reproduction or Reduction, 24" X 36"	0	\$9.50 /Each	\$0.00
<b>Total Other Project Related Cost</b>			<b>\$60.00</b>

# ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/27/2008

**PRODUCER**

DS&P Insurance Services Inc  
 1530 E Dundee Rd., Suite 200  
 Palatine IL 60074  
 (847) 934-6100 (847) 934-6186

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

**INSURERS AFFORDING COVERAGE**

**NAIC #**

INSURER A: <b>ACVITY A Mutual Insurance Co.</b>	<b>14184</b>
INSURER B: <b>Steadfast Insurance Company</b>	<b>26387</b>
INSURER C:	
INSURER D:	
INSURER E:	

**INSURED**

Wang Engineering Inc  
 1145 N. Main Street  
 Lombard IL 60148

**COVERAGES**

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
B		<b>GENERAL LIABILITY</b> <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> No Railroad <input checked="" type="checkbox"/> Exclusion GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	GLO587379805	3/26/2008	3/26/2009	EACH OCCURRENCE \$ <b>1,000,000</b> DAMAGE TO RENTED PREMISES (Ea occurrence) \$ <b>100,000</b> MED EXP (Any one person) \$ <b>5,000</b> PERSONAL & ADV INJURY \$ <b>1,000,000</b> GENERAL AGGREGATE \$ <b>2,000,000</b> PRODUCTS - COMP/OP AGG \$ <b>EXCLUDED</b>
A		<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> No Railroad <input checked="" type="checkbox"/> Exclusion	K26141	3/26/2008	3/26/2009	COMBINED SINGLE LIMIT (Ea accident) \$ <b>1,000,000</b> BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		<b>GARAGE LIABILITY</b> <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
		<b>EXCESS/UMBRELLA LIABILITY</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE \$ RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
A		<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	K26141	3/26/2008	3/26/2009	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ <b>1,000,000</b> E.L. DISEASE - EA EMPLOYEE \$ <b>1,000,000</b> E.L. DISEASE - POLICY LIMIT \$ <b>1,000,000</b>
B		<b>OTHER</b> <b>PROF/POLL LIABILITY</b>	PEC587379405	3/26/2008	3/26/2009	<b>LIMIT: \$1,000,000</b>

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

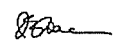
SAMPLE CERTIFICATE OF INSURANCE

**CERTIFICATE HOLDER**

**CANCELLATION**

SAMPLE CERTIFICATE OF INSURANCE

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE 

## **IMPORTANT**

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

## **DISCLAIMER**

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.