

KANE COUNTY
DIVISION of TRANSPORTATION

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

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St. Charles, IL 60175
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DATE: November 7, 2008
TO: Jean Weems
County Board Office
FROM: Linda Haines *Linda*
SUBJECT: November County Board

5 – IDOT Funding Agreement for Randall Road from County Line Road to Binnie Road and Huntley Road from Square Barn Road to Sleepy Hollow Road Interconnect, Kane Co. Section #08-00379-00-TL (Does not need County Clerk signature and seal)

5 – Phase II Engineering Agreement with H. W. Lochner for Randall Road from County Line Road to Binnie Road and Huntley Road from Square Barn Road to Sleepy Hollow Road Interconnect, Kane Co. Section #08-00379-00-TL

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.

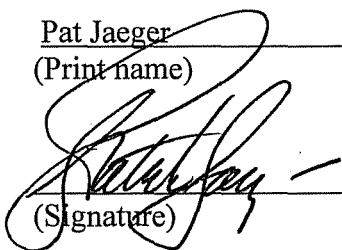
DOCUMENT VET SHEET
for
Karen McConnaughay
Chairman, Kane County Board

Name of Document: Phase II Engineering Agreement with H. W. Lochner for Randall
Road from County Line Road to Binnie Road and Huntley Road from Square Barn Road
to Sleepy Hollow Road Interconnect, Kane Co. Sec. #08-00379-00-TL

Submitted by: Paul LaFleur

Date Submitted: September 29, 2008

Examined by: Pat Jaeger
(Print name)



(Signature)

October 15, 2008
(Date)

Comments: _____

Chairman signed: Yes No _____
(Date)

Document returned to: _____

Local Agency County of Kane	L O C A L A G E N C Y	 Illinois Department of Transportation Preliminary Engineering Services Agreement For Federal Participation	C O N S U L T A N T	Consultant H.W. Lochner, Inc.
County Kane				Address 20 N. Wacker Drive
Section 08-00379-00-TL				City Chicago
Project No.				State IL
Job No.				Zip Code 60606
Contact Name/Phone/E-mail Address Paul LaFleur 630-406-7355 lafleurpaul@co.kane.il				Contact Name/Phone/E-mail Address Frank J. Powers 312-372-3011 fpowers@hwlochner.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 Huntley Road & Randall Road Interconnect Route _____ Length _____ Structure No. _____

Termini Huntley Road: Square Barn Road and Sleepy Hollow Road; Randall Road: County Line Road and Binnie Road

Description Phase II design services for a traffic signal interconnect along Huntley Road and Randall Road, the modernization of existing traffic signal installations at the intersections of Huntley Road with Randall Road, Miller Road, and Sleepy Hollow Road, and equipment upgrades necessary for communications at the remaining 8 intersections within the project extents.

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 360 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:
- 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 o 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
H. W. Lochner, Inc.	36-2338811	\$94,196.07
Sub-Consultants:		
Delcan	36-3523452	\$35,910.87
Sub-Consultant Total:		\$35,910.87
Prime Consultant Total:		\$94,196.07
Total for all Work:		\$130,106.94

Executed by the LA:

County of Kane

(Municipality/Township/County)

ATTEST:


By: _____
John A. Cunningham, County Clerk

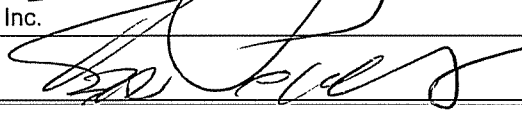
By: 
 Title: Chairman, County Board

(SEAL)

Executed by the ENGINEER:

ATTEST:

By: 
 Title: Office Administrator

H.W. Lochner, Inc.
 By: 
 Title: Senior Vice President

**Randall Road and Huntley Road Interconnect
Kane County, Illinois
Scope of Services**

I. INTERCONNECT – PRELIMINARY DESIGN

**Randall Road from Binnie Road to County Line Road and Huntley Road
from Square Barn Road to Sleepy Hollow Road**

1. Interconnect Field Reconnaissance and Base Mapping

- a. Obtain Kane County roadway plans for Randall Road and Huntley Road
- b. Obtain plans of existing utilities
- c. Obtain existing traffic signal plans
- d. Compile aerial strips of Randall Road and Huntley Road
- e. Prepare plan sheets for field survey
- f. QC/QA review of field survey plan
- g. Conduct field survey for Randall and Huntley interconnect
- h. Compile photo log
- i. Summarize proposed improvements at each intersection
- j. Prepare interconnect base drawing
- k. Add information from field survey to base drawing

**2. Develop Proposed Interconnect Conduit, Fiber Optic Cable Routing
and Controller Termination Plans**

- a. Design cable route in existing and proposed conduit
- b. Prepare interconnect conduit plans
- c. Prepare interconnect schematic plan
- d. Prepare controller termination schematic plans
- e. Prepare video surveillance schematic plans
- f. Prepare interconnect details

II. COMMUNICATIONS – PRELIMINARY DESIGN

3. Field Communications and ITS Elements

- a. Obtain recent ITS deployment PS&E package
- b. Discuss desired equipment and design requirements with Kane County Division of Transportation (KCDOT)
- c. Collect background data for system design
- d. Conduct field survey to verify existing equipment
- e. Develop detailed communications design for current and future use
- f. Build preliminary communications sheets
- g. Conduct preliminary design review with KCDOT and IDOT

**Randall Road and Huntley Road Interconnect
Kane County, Illinois
Scope of Services**

III. INTERSECTION MODERNIZATION – PRELIMINARY DESIGN

**Randall Road at Huntley Road, Huntley Road at Miller Road
and Huntley Road at Sleepy Hollow Road**

4. Preliminary Plan Sheets

- a. Conduct field survey to verify equipment in existing cabinets
- b. Compile signal equipment inventory at each location
- c. Prepare preliminary signal plans
- d. Prepare preliminary cable plans
- e. Prepare traffic signal details
- f. Compile IDOT District 1 standard signal details

5. Preliminary Calculations

- a. Compute preliminary quantities
- b. Prepare schedules of quantities for cable plan sheets
- c. Prepare summary of quantities
- d. Prepare electrical service requirements tables
- e. Prepare estimate of probable cost

IV. PRELIMINARY SUBMITTAL

6. Preliminary Plan Submittal to Kane County and IDOT District 1

- a. Prepare title sheet
- b. Prepare general notes and index of standards
- c. Prepare specifications and special provisions
- d. QC/QA review of preliminary plan set
- e. Address QC/QA comments
- f. Reproduce preliminary plan sheets
- g. Reproduce specifications and estimate of probable cost
- h. Submit plans and specifications for review
- i. Review comments from KCDOT and IDOT
- j. Contact reviewing agencies and reconcile conflicting comments

**Randall Road and Huntley Road Interconnect
Kane County, Illinois
Scope of Services**

V. PRE-FINAL SUBMITTAL

7. Pre-Final Contract Plans, Specifications and Cost Estimate

- a. Revise title sheet
- b. Revise general notes and index of standards
- c. Revise traffic signal plan sheets
- d. Revise interconnect plan sheets
- e. Revise interconnect schematic plan sheets
- f. Revise controller termination schematic
- g. Build communications sheets
- h. Revise traffic signal and interconnect details
- i. Revise traffic signal and interconnect quantities
- j. Prepare summary of quantities
- k. Prepare specifications
- l. Compute cost estimate
- m. QC/QA review of pre-final plan set
- n. Address QC/QA comments
- o. Reproduce and assemble plan sets
- p. Reproduce and bind specifications
- q. Submit prefinal plans, specs and cost estimate to KCDOT and IDOT
- r. Review comments from KCDOT and IDOT
- s. Contact reviewing agencies and reconcile conflicting comments

**Randall Road and Huntley Road Interconnect
Kane County, Illinois
Scope of Services**

VI. PS&E SUBMITTAL

8. Final Contract Plans, Specifications and Cost Estimate

- a. Revise title sheet
- b. Revise general notes and index of standards
- c. Revise traffic signal plan sheets
- d. Revise interconnect plan sheets
- e. Revise interconnect schematic plan sheets
- f. Revise controller termination schematic
- g. Build communications sheets
- h. Revise traffic signal and interconnect details
- i. Revise traffic signal and interconnect quantities
- j. Prepare summary of quantities
- k. Prepare specifications
- l. Compute cost estimate
- m. QC/QA review of pre-final plan set
- n. Address QC/QA comments
- o. Reproduce and assemble plan set for IDOT
- p. Reproduce and bind specifications for IDOT
- q. Submit final plans, specifications and cost estimate to IDOT
- r. Coordinate required signatures on title sheet
- s. Submit PS&E to KCDOT and IDOT

VII. CONSTRUCTION SUPPORT

9. Signal and Interconnect Support

- a. KCDOT and contractor support during construction

10. Communications Support

- a. KCDOT and contractor support during construction
- b. Support for integration testing in coordination with KCDOT

VIII. ADMINISTRATION

11. Coordination and Review Meetings

- a. Attend meetings as needed at KCDOT
- b. Attend meetings as needed at IDOT
- c. Project team meetings as needed

12. Project Administration and Management

- a. Project setup, manpower scheduling and subconsultant coordination
- b. Lochner team meetings
- c. Contract administration

AVERAGE HOURLY PROJECT RATES

FIRM H.W. Lochner, Inc.
 PSB Randall & Huntley
 PRIME/SUPPLEMENT Prime

DATE 10/15/08

SHEET 1 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Intercon Surv & Base			Intercon Routing			Field Comms and ITS			Prelim Plan Sheets			Prelim Calculations		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	70.00	4	0.54%	0.38															
Sr. Project Manager	65.56	30	4.04%	2.65	2	1.48%	0.97												
Project Manager	47.91	42	5.65%	2.71	8	5.93%	2.84	4	3.45%	1.65			4	2.16%	1.04	2	3.23%	1.55	
Sr. Project Engineer	49.64	327	44.01%	21.85	60	44.44%	22.06	54	46.55%	23.11	2	100.00%	49.64	82	44.32%	22.00	34	54.84%	27.22
Project Engineer	46.17	6	0.81%	0.37															
Engineer	27.49	329	44.28%	12.17	65	48.15%	13.24	58	50.00%	13.74			99	53.51%	14.71	26	41.94%	11.53	
Sr. CAD Technician	31.19	0																	
CAD Technician	24.81	0																	
Clerical	30.45	5	0.67%	0.20															
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TOTALS		743	100%	\$40.33	135	100%	\$39.11	116	100%	\$38.51	2	100%	\$49.64	185	100%	\$37.75	62	100%	\$40.30

AVERAGE HOURLY PROJECT RATES

FIRM H.W. Lochner, Inc.
 PSB Randall & Huntley
 PRIME/SUPPLEMENT Prime

DATE 10/15/08

SHEET 2 OF 3

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Prelim Plan Submittal			Pre-Final Plans			Final PS&E			Signal & Intercon Supp			Comms Support			Coord & Review Mtgs		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal	70.00																		
Sr. Project Manager	65.56	4	11.11%	7.28	4	5.41%	3.54	4	7.55%	4.95							2	8.33%	5.46
Project Manager	47.91	2	5.56%	2.66	4	5.41%	2.59	2	3.77%	1.81							2	8.33%	3.99
Sr. Project Engineer	49.64	21	58.33%	28.96	28	37.84%	18.78	20	37.74%	18.73	10	100.00%	49.64	2	100.00%	49.64	16	66.67%	33.10
Project Engineer	46.17																		
Engineer	27.49	8	22.22%	6.11	37	50.00%	13.74	26	49.06%	13.49							4	16.67%	4.58
Sr. CAD Technician	31.19																		
CAD Technician	24.81																		
Clerical	30.45	1	2.78%	0.85	1	1.35%	0.41	1	1.89%	0.57									
TOTALS		36	100%	\$45.86	74	100%	\$39.07	53	100%	\$39.55	10	100%	\$49.64	2	100%	\$49.64	24	100%	\$47.13

AVERAGE HOURLY PROJECT RATES

FIRM Delcan
 PSB Randall & Huntley
 PRIME/SUPPLEMENT Prime

DATE 10/15/08

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJECT RATES			Field Comms & ITS			Prelim Plan Submittal			Pre-Final Plans			Final PS&E			Comms Support		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Team Leader																			
Systems Engineering	55.75	189	100.00%	55.75	126	100.00%	55.75	12	100.00%	55.75	26	100.00%	55.75	13	100.00%	55.75	20	100.00%	55.75
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TOTALS		189	100%	55.75	126	100.00%	55.75	12	100%	55.75	26	100%	55.75	13	100%	55.75	20	100%	55.75

AVERAGE HOURLY PROJECT RATES

FIRM Delcan
 PSB Randall & Huntley
 PRIME/SUPPLEMENT Prime

DATE 10/15/08
 SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	Coord & Review Mtgs			Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
		Hours	% Part.	Wgtd Avg															
Team Leader Systems Engineering	55.75	18	100.00%	55.75															
TOTALS		18	100%	\$55.75	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00	0	0%	\$0.00