


Local Agency County of Lake	 Illinois Department of Transportation Preliminary Engineering Services Agreement For Federal Participation	C O N S U L T A N T	Consultant Bollinger, Lach & Associates, Inc.
County Lake			Address 333 Pierce Road - Suite 200
Section 07-00086-08-CH			City Itasca
Project No. CMM-9003(063)			State Illinois
Job No. D-91-513-08			Zip Code 60143
Contact Name/Phone/E-mail Address Chuck Gleason 847-362-3950 cgleason@co.lake.il.us	Contact Name/Phone/E-mail Address Craig Lukowicz 630-438-6400 clukowicz@bollingerlach.com		

THIS AGREEMENT is made and entered into this _____ day of _____, _____ 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 River Road (V50) Route FAU 3704 Length 0.38 mi Structure No. N/A
Termini At Roberts Road (V45)

Description Phase II development of contract plans, specifications and cost estimates for the roundabout intersection design along with the structural retaining walls, survey, roundabout lighting, wetland and geotechnical investigation.

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 580 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 work during entire contract**, 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
Bollinger, Lach & Associates, Inc. - DUNS No. 007369322	36-4263432	\$393,228.46
Sub-Consultants:	TIN Number	Agreement Amount
Seeco Consultants, Inc.	36-3458492	\$123,328.16
Ames Engineering, Inc.	36-4404761	\$18,383.25
MTJ Engineering, LLC.	45-0532832	\$24,986.00
Santacruz Associates	36-3851733	\$29,400.00
	Sub-Consultant Total:	\$196,097.41
	Prime Consultant Total:	\$393,228.46
	Total for all Work:	\$589,325.87

Executed by the LA:

Lake County

(Municipality/Township/County)

ATTEST:

By: _____

By: _____

Clerk

Title: _____

(SEAL)

Executed by the ENGINEER:

ATTEST:

Bollinger, Lach & Associates, Inc.

By:  _____

By:  _____

Title: Vice President

Title: Chief Executive Officer

Exhibit A - Preliminary Engineering

Route: FAU 3704 River Rd at Roberts Rd
 Local Agency: Lake County
 (Municipality/Township/County)
 Section: 07-00086-08-CH
 Project: CMM-9003(063)
 Job No.: D-91-513-08

*Firm's approved rates on file with IDOT'S
 Bureau of Accounting and Auditing:
 Overhead Rate (OH) 126.61 %
 Complexity Factor (R) 0.00
 Calendar Days _____

Method of Compensation:
 Cost Plus Fixed Fee 1 14.5%[DL + R(DL) + OH(DL) + IHDC]
 Cost Plus Fixed Fee 2 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
 Cost Plus Fixed Fee 3 14.5%[(2.3 + R)DL + IHDC]
 Specific Rate
 Lump Sum

Cost Estimate of Consultant's Services in Dollars

Element of Work	Employee Classification	Man-Hours	Payroll Rate	Payroll Costs (DL)	Overhead*	Services by Others	In-House Direct Costs (IHDC)	Profit	Total
Preliminary Engineering	Principal	22.00	\$70.00	\$1,540.00	\$1,949.79	\$0.00	\$518.30	\$581.17	\$4,589.26
	Sr. Project Mgr	134.00	\$44.23	\$5,926.82	\$7,503.94	\$0.00	\$0.00	\$1,947.46	\$15,378.22
	Project Engineer	222.00	\$32.69	\$7,257.18	\$9,188.31	\$0.00	\$0.00	\$2,384.59	\$18,830.08
	Design Engineer	202.00	\$24.68	\$4,985.36	\$6,311.96	\$0.00	\$0.00	\$1,638.11	\$12,935.43
	CADD Tech II	151.00	\$31.50	\$4,756.50	\$6,022.20	\$0.00	\$0.00	\$1,562.91	\$12,341.61
Prefinal Engineering	Principal	16.00	\$70.00	\$1,120.00	\$1,418.03	\$0.00	\$980.30	\$510.15	\$4,028.48
	Sr. Project Mgr	94.00	\$44.23	\$4,157.62	\$5,263.96	\$0.00	\$0.00	\$1,366.12	\$10,787.70
	Project Engineer	154.00	\$32.69	\$5,034.26	\$6,373.87	\$0.00	\$0.00	\$1,654.17	\$13,062.30
	Design Engineer	142.00	\$24.68	\$3,504.56	\$4,437.12	\$0.00	\$0.00	\$1,151.54	\$9,093.22
	CADD Tech II	104.00	\$31.50	\$3,276.00	\$4,147.74	\$0.00	\$0.00	\$1,076.44	\$8,500.18
Final Engineering	Principal	8.00	\$70.00	\$560.00	\$709.01	\$0.00	\$1,311.25	\$374.13	\$2,954.39
	Sr. Project Mgr.	42.00	\$44.23	\$1,857.66	\$2,351.98	\$0.00	\$0.00	\$610.39	\$4,820.03
	Project Engineer	66.00	\$32.69	\$2,157.54	\$2,731.66	\$0.00	\$0.00	\$708.93	\$5,598.13
	Design Engineer	60.00	\$24.68	\$1,480.80	\$1,874.84	\$0.00	\$0.00	\$486.56	\$3,842.20
	CADD Tech II	45.00	\$31.50	\$1,417.50	\$1,794.69	\$0.00	\$0.00	\$465.76	\$3,677.95
Totals		1,462.00		\$49,031.80	\$62,079.10		\$2,809.85	\$16,518.43	\$130,439.18

Exhibit A - Preliminary Engineering

Route: FAU 3704 River Rd at Roberts Rd
 Local Agency: Lake County
 (Municipality/Township/County)
 Section: 07-00086-08-CH
 Project: CMM-9003(063)
 Job No.: D-91-513-08

*Firm's approved rates on file with IDOT's Bureau of Accounting and Auditing:
 Overhead Rate (OH) 126.61 %
 Complexity Factor (R) 0.00
 Calendar Days _____

Method of Compensation:
 Cost Plus Fixed Fee 1 14.5%[DL + R(DL) + OH(DL) + IHDC]
 Cost Plus Fixed Fee 2 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
 Cost Plus Fixed Fee 3 14.5%[(2.3 + R)DL + IHDC]
 Specific Rate
 Lump Sum

Cost Estimate of Consultant's Services in Dollars

Element of Work	Employee Classification	Man-Hours	Payroll Rate	Payroll Costs (DL)	Overhead*	Services by Others	In-House Direct Costs (IHDC)	Profit	Total
Meetings	Principal	24.00	\$70.00	\$1,680.00	\$2,127.04	\$0.00	\$768.00	\$663.38	\$5,238.42
	Sr. Project Mgr.	48.00	\$44.23	\$2,123.04	\$2,687.98	\$0.00	\$0.00	\$697.59	\$5,508.61
	Project Engineer	48.00	\$32.69	\$1,569.12	\$1,986.66	\$0.00	\$0.00	\$515.58	\$4,071.36
Permits	Principal	6.00	\$70.00	\$420.00	\$531.76	\$0.00	\$499.50	\$210.43	\$1,661.69
	Sr. Project Mgr.	24.00	\$44.23	\$1,061.52	\$1,343.99	\$0.00	\$0.00	\$348.79	\$2,754.30
	Project Engineer	30.00	\$32.69	\$980.70	\$1,241.66	\$0.00	\$0.00	\$322.24	\$2,544.60
	CADD Tech II	24.00	\$31.50	\$756.00	\$957.17	\$0.00	\$0.00	\$248.40	\$1,961.57
	Dir. Environment	50.00	\$43.27	\$2,163.50	\$2,739.20	\$0.00	\$0.00	\$710.89	\$5,613.59
Supplemental Survey	Project Surveyor	20.00	\$44.00	\$880.00	\$1,114.16	\$0.00	\$384.00	\$344.83	\$2,722.99
	Survey Proj Mgr	38.00	\$38.22	\$1,452.36	\$1,838.83	\$0.00	\$0.00	\$477.22	\$3,768.41
	Party Chief I	46.00	\$25.75	\$1,184.50	\$1,499.69	\$0.00	\$0.00	\$389.20	\$3,073.39
	Instrument Man	46.00	\$16.25	\$747.50	\$946.40	\$0.00	\$0.00	\$245.61	\$1,939.51
	Dir. Environment	16.00	\$43.27	\$692.32	\$876.54	\$0.00	\$0.00	\$227.48	\$1,796.34
QA/QC	Principal	10.00	\$70.00	\$700.00	\$886.27	\$0.00	\$0.00	\$230.00	\$1,816.27
	Sr. Project Mgr.	20.00	\$44.23	\$884.60	\$1,119.99	\$0.00	\$0.00	\$290.66	\$2,295.25
Totals		450.00		\$17,295.16	\$21,897.34		\$1,651.50	\$5,922.30	\$46,766.30

Exhibit A - Preliminary Engineering

Route: FAU 3704 River Rd at Roberts Rd
 Local Agency: Lake County
 (Municipality/Township/County)
 Section: 07-00086-08-CH
 Project: CMM-9003(063)
 Job No.: D-91-513-08

Method of Compensation:

- 14.5%[DL + R(DL) + OH(DL) + IHDC]
 14.5%[DL + R(DL) + 1.4(DL) + IHDC]
 14.5%[(2.3 + R)DL + IHDC]
 Specific Rate
 Lump Sum

*Firm's approved rates on file with IDOT'S
 Bureau of Accounting and Auditing:
 Overhead Rate (OH) 126.61 %
 Complexity Factor (R) 0.00
 Calendar Days _____

Cost Estimate of Consultant's Services in Dollars

Element of Work	Employee Classification	Man-Hours	Payroll Rate	Payroll Costs (DL)	Overhead*	Services by Others	In-House Direct Costs (IHDC)	Profit	Total
Utility Coordination	Sr. Project Mgr.	14.00	\$44.23	\$619.22	\$783.99	\$0.00	\$0.00	\$203.46	\$1,606.67
	Project Engineer	18.00	\$32.69	\$588.42	\$744.99	\$0.00	\$0.00	\$193.34	\$1,526.75
Structural Plans	Principal	12.00	\$70.00	\$840.00	\$1,063.52	\$0.00	\$0.00	\$276.01	\$2,179.53
	Sr. Project Mgr.	113.00	\$44.23	\$4,997.99	\$6,327.95	\$0.00	\$0.00	\$1,642.26	\$12,968.20
	Project Engineer	497.00	\$32.69	\$16,246.93	\$20,570.23	\$0.00	\$0.00	\$5,338.48	\$42,155.64
	CADD Tech II	649.00	\$31.50	\$20,443.50	\$25,883.51	\$0.00	\$0.00	\$6,717.41	\$53,044.42
	Dir Structural Eng	459.00	\$57.69	\$26,479.71	\$33,525.96	\$0.00	\$0.00	\$8,700.82	\$68,706.49
Structural Shop Dwg	Project Engineer	73.00	\$32.69	\$2,386.37	\$3,021.38	\$0.00	\$0.00	\$784.12	\$6,191.87
	Dir Structural Eng	73.00	\$57.69	\$4,211.37	\$5,332.01	\$0.00	\$0.00	\$1,383.79	\$10,927.17
Admin/Management	Principal	18.00	\$70.00	\$1,260.00	\$1,595.28	\$0.00	\$0.00	\$414.01	\$3,269.29
	Sr. Project Mgr.	78.00	\$44.23	\$3,449.94	\$4,367.96	\$0.00	\$0.00	\$1,133.59	\$8,951.49
	Project Engineer	53.00	\$32.69	\$1,732.57	\$2,193.60	\$0.00	\$0.00	\$569.29	\$4,495.46
SEECO Consultants				\$0.00	\$0.00	\$123,328.16	\$0.00	\$0.00	\$123,328.16
AMES Engineering						\$18,383.25			\$18,383.25
MTJ Engineering						\$24,986.00			\$24,986.00
Santacruz Associates						\$29,400.00			\$29,400.00
Totals		2,057.00		\$83,256.02	\$105,410.38	\$196,097.41		\$27,356.58	\$412,120.39
GRAND TOTALS		3,969.00		\$149,582.98	\$189,386.82	\$196,097.41	\$4,461.35	\$49,797.31	\$589,325.86



Engineering Payment Report

Prime Consultant

Name Bollinger, Lach & Associates
 Address 333 Pierce Rd, Itasca, IL
 Telephone 630-438-6400
 TIN Number 36-4263432

Project Information

Local Agency Lake County Division of Transportation
 Section Number 07-00086-08-CH
 Project Number CMM-9003(063)
 Job Number D-91-513-08

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.

Sub-Consultant Name	TIN Number	Actual Payment from Prime
Seeco Consultants, Inc.	36-3458492	
Ames Engineering, Inc.	36-4404761	
MTJ Engineering , LLC.	45-0532832	
Santacruz Associates	36-3851733	
Sub-Consultant Total:		
Prime Consultant Total:		
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.

**Bollinger, Lach & Associates, Inc.
Consultant Employee Rate Listing**

Classification	Minimum Rate	Maximum Rate	Average Hourly Rates	Reason for Change
Principal	\$ 60.00	\$ 70.00	\$ 70.00	
Director of Construction Engineering	\$ 60.00	\$ 70.00	\$ 70.00	
Director of Structural Engineering	\$ 50.00	\$ 70.00	\$ 57.69	
Director of Environmental Services	\$ 35.00	\$ 55.00	\$ 43.27	
Director of Administration	\$ 45.00	\$ 65.00	\$ 53.13	
Assistant Director of Engineering	\$ 50.00	\$ 70.00	\$ 53.85	
Senior Resident Engineer	\$ 45.00	\$ 65.00	\$ 52.69	
Resident Engineer II	\$ 35.00	\$ 55.00	\$ 41.40	
Resident Engineer I	\$ 30.00	\$ 50.00	\$ 36.88	
Office Engineer	\$ 30.00	\$ 50.00	\$ 35.92	
Construction Engineer	\$ 20.00	\$ 40.00	\$ 27.02	
Field Engineer II	\$ 20.00	\$ 40.00	\$ 29.31	
Field Engineer I	\$ 15.00	\$ 35.00	\$ 15.00	
Materials Coordinator	\$ 30.00	\$ 50.00	\$ 38.38	
Senior Project Manager	\$ 35.00	\$ 65.00	\$ 44.23	
Project Manager	\$ 30.00	\$ 60.00	\$ 40.89	
Project Engineer	\$ 25.00	\$ 45.00	\$ 32.69	
Design Engineer	\$ 20.00	\$ 40.00	\$ 24.68	
CADD Technician II	\$ 25.00	\$ 45.00	\$ 31.50	
CADD Technician I	\$ 15.00	\$ 35.00	\$ 26.00	
Survey Project Manager	\$ 30.00	\$ 50.00	\$ 38.22	
Project Surveyor	\$ 30.00	\$ 50.00	\$ 44.00	
Party Chief I	\$ 20.00	\$ 40.00	\$ 25.75	
Instrumentman	\$ 12.00	\$ 32.00	\$ 16.25	
Payroll/Billing Coordinator	\$ 20.00	\$ 40.00	\$ 29.55	
Marketing Coordinator	\$ 15.00	\$ 35.00	\$ 20.43	
Clerical	\$ 10.00	\$ 30.00	\$ 16.89	

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Lake County

River Road (FAU 3704) at Roberts Road (FAU 3705)

Section No.: 07-00086-08-CH

Project No.: CMM-9003(063)

Job No.: D-91-513-08

PROJECT SCOPE DESCRIPTION

The project scope will consist of preparation of the contract plans, specifications, and cost estimates for the roadway reconstruction of River Road (FAU 3704) from Sta. 95+02.20 to Sta. 92+50.00 and at Roberts Road (FAU 3705) from Sta. 49+28.77 to Sta. 65+44.44 with a total length of approximately 1867.23 ft. All work for this project will be in English units utilizing the IDOT and Lake County Division of Transportation format.

The project is located in the Village of Lake Barrington within Lake County. Relative to a major arterial, the project is located approximately 1.1 miles west of IL Route 59 and 1.5 miles southwest of US Route 12. The existing signalized T-intersection of River Road (FAU 3704) and Roberts Road (FAU 3705) will be replaced with a multilane roundabout with associated approach leg improvements and widening. The Lake County Division of Transportation (LCDOT) maintains and has jurisdiction of both River Road and Roberts Road.

The proposed roundabout will be constructed in its ultimate condition in 2013 but open in an interim condition with a single through lane running westbound to eastbound. The interim roundabout will be striped and specific splitter islands constructed to accommodate the single lane entry. The interior of the roundabout will accommodate two through lanes in the east-west direction. As the vehicle reaches the apex of the curve, the lanes will widen to 11'-0" for the interior lane and 18'-0" of the exterior lane before exiting the roundabout at two 12'-0" lanes. In the north-south direction, the single lane will be 18'-0" to match the outer lane of the two-lane through section. The interior circle will utilize M-2.12 curb and gutter to allow truck movements to utilize the 10' B-B truck apron which will be installed on the interior to accommodate truck movements. The interior landscaped island of the roundabout will be a 27'-0" radial circle.

The west leg of Roberts Road will begin at the existing 11'-0" lane to the west and widen over approximately 750' to two (2) 11'-0" through lanes. A dedicated right turn lane will be provided with 300'-0" of storage and a storage flare beginning at a 15'-0" width and widening to 22'-0" to account for truck turning maneuvers. Conversely, the westbound traveling vehicles will reduce from two 12'-0" roundabout exiting lanes back to the existing 11'-0" lane over the same 750' of lane reduction taper. A center median of variable widths from 12'-0" B-B to 28'-0" B-B at the roundabout entry will be constructed to separate vehicles and provide a traffic calming barrier. A splitter island separating the dedicated right turning vehicles will also be constructed with a variable width ranging from 3'-0" to 8'-0". Both of these medians will provide a safe landing for crossing pedestrians. Each crossing will be striped per Lake County DOT standards and ramps/detectable warnings installed for ADA compliance. Pedestrian activated flashers will be installed at crosswalks in order to provide a safe means of crossing for pedestrians and bicyclists. Type B-6.12 curb and gutter will be provided on the interior medians and B-6.24 curb and gutter on the outer lanes.

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The east leg of Roberts Road will begin at the existing 11'-0" lane to the east and widen over approximately 700' to two (2) 11'-0" through lanes. The splitter island will be approximately 63' B-B in length and provide 100'-0" of open space for left turning vehicles to access. Following the turn lane, the central median will continue for an additional 375' with a typical 6'-0" B-B width. Conversely, the eastbound traveling vehicles will reduce from two 12'-0" roundabout exiting lanes back to the existing 11'-0" lane over the same 700' of lane reduction taper. The required minimum taper rate of 50:1 (650'-0") for the 11' to 24' widening is exceeded to provide traffic calming curves and to tie the proposed alignment back into the existing alignment. A pedestrian crossing will be installed to connect the proposed carriage walk to the north to the proposed multi-use path to the south and will utilize the splitter median. The crossing will be striped per Lake County DOT standards and ramps/detectable warnings installed for ADA compliance. Pedestrian activated flashers will be installed at crosswalks in order to provide a safe means of crossing for pedestrians and bicyclists. Type B-6.12 curb and gutter will be provided on the interior medians and B-6.24 curb and gutter on the outer lanes. At approximate STA 51+00, the north side curb and gutter will terminate and a 6'-0" shoulder installed and will match into the existing shoulder at the project limits.

River Road will begin at the existing two (2) 12'-0" lane section at Sta 92+50 and widen over 180'-0" to 18'-9" at the roundabout entrance. The splitter island will be approximately 105' B-B in length. Conversely, the southbound traveling vehicles will remain in one exiting lane which tapers back to the existing 12'-0" lane at the project termini. A pedestrian crossing will be installed to provide connectivity to the proposed multi-use path on both sides of River Road and will utilize the splitter median for a safe landing. The crossing will be striped per Lake County DOT standards and ramps/detectable warnings installed for ADA compliance. Pedestrian activated flashers will be installed at crosswalks in order to provide a safe means of crossing for pedestrians and bicyclists. Type B-6.12 curb and gutter will be provided on the interior medians and B-6.24 curb and gutter on the outer lanes. At approximate STA 93+65, the curb and gutter will terminate and the striping will begin that tapers into the existing River Road shoulder. The 8'-0" multi-use path will taper back to the existing 6'-0" shoulder at the project limits

An existing 42" equalizer culvert will require reconstruction with the widening along River Road. This 42" Culvert will be relocated to the north of its existing location and reconstructed with grated flared-end sections that conform to the proposed 4:1 slope so as not to create a roadside obstruction.

A proposed 8'-0" multi-use trail on the south side of Roberts Road will be constructed as part of this project. The multi-use trail will begin at the property line of Lake County Forest Preserve District to the southwest and extend to the intersection where it will cross to the south and to the west of the roundabout center to provide connectivity to the intersection. A 6'-0" carriage walk will be constructed along the north edge of the roundabout to provide connectivity for the subdivision located off of Oak Hill Road to the northeast. 6'-0" (2' HMA and 4' Aggregate) bike-friendly HMA shoulders have been installed on River Road and Roberts Road as part of recent resurfacing projects and serve as connection points for the multi-use path for bicyclists that may utilize it. For on-street riders, 5'-0" wide exits onto the bike friendly shoulder will be provided on both the east and west leg of Roberts Road. Crosswalks will be striped per LCDOT Highway Standard Detail LC4201 for pedestrian crossings and accessible ramps with detectible warnings; all pedestrian accommodations will be in compliance with ADA longitudinal and cross

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slopes. ADA accessible ramps will be installed at all curb openings for crosswalks.

Title Sheet: BLA will prepare the title sheet according to the BDE manual chapter 63, state job numbering form and as directed by the Lake County Division of Transportation (LCDOT). Mylar will be submitted to the Lake County Engineer.

Typical Sections: The typical section sheets will be prepared which will include six existing and seven proposed typical sections along with the mixture requirement chart and notes and the applicable legend items.

Alignment, Ties and Benchmarks: The sheet will include complete alignment with curve data, ties with northing and easting, and benchmarks for the roadway per the alignment identified in the Phase I documents.

Notes, Index and Standards: The sheet will include a list of applicable highway standards; general notes (IDOT and LCDOT) and list of commitments and index of all plan sheets. The Mylar sheet will be submitted to LCDOT.

Summary of Quantities: BLA will prepare the sheets including construction and funding code breakdowns, the quantity calculations/take off for each pay items and preparation of quantity book for delivery to LCDOT. The Mylar sheets will be submitted to LCDOT.

Schedule of Quantities: The sheet will have items difficult to locate in the plans and will help locate quantities including earthwork schedule.

Maintenance of Traffic: The conceptual MOT plans with the detour route for River Road and Robert Road will be prepared; traffic staging plans to keep Roberts Road open during construction will be prepared. The detour signing plans will be prepared accordingly. A brief concept write up will be prepared and submitted for approval. At least three stages for Roberts Road construction are estimated at this time. The various MOT stage typical sections sheet, MOT general notes, Sequence of operations and MOT sign legend sheets will be provided.

Plan and Profile: The roadway plans will have a top plan view showing the existing topography and proposed roadway geometry and the bottom view will show the profile.

Drainage and Utilities: The plans will be similar to the roadway plan layout and will have all existing and proposed drainage along with all existing utilities.

Drainage Calculations: The inlet spacing, lateral and longitudinal drainage structure design, 42" diameter culvert replacement, compensatory area, detention basins and outlet control structures, etc. will be calculated and documented. All required documentation will be provided to the Lake County Stormwater Management Commission (LCSMC) for permit approval.

Special Provisions: Detailed special provisions will be prepared for the roadway, retaining wall, aggregate columns, walls with liner and coloring, hawk system, colored stamped concrete in roundabout and such items and the contract documents will include them for the Pre-final and Final submittals.

Estimate of Time: The form will be prepared and updated for the Final plan submittal.

Estimate of Cost: The forms will be prepared and updated per each submittal (Pre-final and Final) for all the roadway and structural items.

Modify IDOT Details: BLA will utilize IDOT district details as needed and include them in the plans. We are estimating 8 district one roadway detail sheets.

Consultant Details: BLA anticipates preparation of the details for stabilized construction entrances, special drainage connections, median details, Center Island, hawk or rapid flashing beacon for pedestrian, geometric details per the IDS, etc.

Pavement Marking, Signing and Landscaping Plans: The plan will illustrate the striping, signing and landscaping-seeding. It will also include the Hawk or Rapid Flashing beacon related information for the pedestrian.

Erosion Control Plans: BLA will prepare permanent and temporary erosion control plans for the roadway during the multiple stages of construction, culvert replacement and the compensatory storage area. BLA will prepare the detail sheets for the Soil Water Conservation District permit and the NPDES-SWPPP permit. Special attention will be paid to the ADID wetland discharge points in the development of the best management practices.

Grading Plan: BLA will prepare the grading plan to provide the final grading contours for the detention basins and compensatory storage areas, bike trail rendering, retaining wall locations, and at all the corners of the intersection.

Soil Profiles and Coordination: The soil boring strata will be represented on the plans as per the chapter 63 of BDE manual. Additional soil borings will be conducted in the area of the anticipated walls and temporary/permanent sheet piling proposed. Clearing and permitting will not be required to get the borings in the appropriate locations. Also, coordination time is included to ask the geotechnical engineer questions related to their report and provide copies of the Soils/Geotechnical Report for the LCDOT and IDOT.

Lighting Coordination: BLA will have AMES Engineering perform the roadway roundabout lighting plans, specifications and estimate of cost for the project. BLA will coordinate with AMES for the contract plans preparations throughout the mile stone submittals to the County.

Roundabout and geometry coordination: BLA will have MTJ Engineering perform the roundabout QA/QC, review and guidelines for the project. We will coordinate with MTJ regarding the means and method of the roundabout geometry, drainage, landscaping and signage requirements.

Land Acquisition Coordination: BLA will have Santacruz Associates performs the Appraisals, Review Appraisals and Negotiations for the proposed land acquisition of the project. We will coordinate with Santacruz Associates and IDOT for the Land Acquisition submittals.

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Cross Sections: The cross section sheets will have cross section every 50 feet and it will show the existing and proposed roadway, utilities, trees, lightpoles, ROW, cut and fill, etc. We will also prepare the cross sections for the compensatory storage area and the detention basin area. We are estimating 56 full cross sections and 1 half section.

Meeting/Field Checks/Coordination: See attached sheet for the detail break down of the items.

Permits:

- USACOE Joint Permit Application Preparation and Submittal for Individual Permit: The required exhibits, specifications, data and project information will be compiled and assembled in a permit application submittal package to the USACOE and to the IEPA for Section 404 of the Clean Water Act compliance. We will coordinate development of documents with the Lake County DOT and submit them for your review in draft form. This task may require meeting with the U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, U.S. Fish and Wildlife Service, Illinois Department of Natural Resources, Lake County and potentially other federal, state and local agencies to coordinate permitting activities. BLA will prepare the Threatened and Endangered Species Consultation Act as required in Section 7 of the USACOE Permitting Process in compliance with the U.S. Fish and Wildlife Service. We will also prepare and submit an IDNR Threatened and Endangered Species Agency Action Report. BLA assumes that the LCDOT will pay in a Wetland Banking for any wetland mitigation. BLA will request a pre-application meeting for the permit and meet with them.
- IEPA 401 Water Quality Certification: The required exhibits, specifications, data and project information will be compiled and assembled in a permit application submittal package to the IEPA to obtain the required 401 Water Quality Certification
- Lake County Soil and Water Conservation District: The required Soil Erosion and Sediment Control Plans, specifications, data and project information will be compiled and assembled in a permit application submittal package to Lake County Soil and Water Conservation District to obtain a permit as required by the USACOE.
- Lake County Stormwater Management Commission Permit Application Preparation and Submittal: The required exhibits, specifications, data and project information will be compiled and assembled in a permit application submittal package to the Lake County SMC for the floodplain impacts, detention, storm sewer design, water quality, erosion control, wetland and threatened and endangered species items. Neither a hydraulic model of the area nor onsite wetland mitigation are included in the scope.
- FEMA - Letter of Map Revision (LOMR) Permitting: It is anticipated that the LOMR and/or CLOMR will not be required.
- IEPA - Stormwater Pollution Prevention Plan (SWPPP): BLA will prepare the SWPPP form BDE 2342 and erosion control and sediment control plan measures for the proposed phase II improvements as it has been required to be prepared to comply with the provisions of the NPDES Permit Number ILR10, by IEPA for the storm water discharges from construction activities in a project with greater than 1 acre disturbances.

Supplemental Survey Items:

- Topography – Three areas of survey are required, one is within the area of the compensatory storage area expanded out beyond the Phase I topographic limits (including tree tags and locates within the forest preserve easement area) the second is the extent along River Road and Roberts Road to the limits required for the MOT purposes and the recent resurfacing and shoulder widening. The third is to perform a field tile survey along the roadway adjacent to low lying areas in the Lake County Forest Preserve. For the Comp Storage Area - BLA Survey Staff will conduct survey work to obtain and plat relevant topographic and planimetric survey information within the project impact area to establish the respective elevations of the ground surfaces. This topography is to show ground surface and basin elevations at a minimum of a 50 ft. grid, existing contours at one (1) foot intervals as well as appropriate spot elevations. Along River Road and Roberts Road, the road has been recently widened and resurfaced and it will need to be surveyed. BLA will pick up this recent improvement including the cross sections. For the MOT extensions, BLA will locate the edge of pavement and driveway accesses that may be in conflict only. The cross section may be done in these areas.
- Horizontal/Vertical Control: BLA will perform a horizontal and vertical control check to verify that the horizontal and vertical datum are in compliance with LCDOT standards. BLA will verify and set additional the benchmarks for construction purposes.
- Alignment/Tie: Provide Field and Office Survey Staff support to establish alignment ties and benchmarks.
- Tree Survey: BLA will identify, locate and tag all trees greater than or equal to 2" diameter of Native Species Only in accordance to the Lake County Forest Preserve Requirements at breast height (DBH) that will be potentially impacted by the River Road and Roberts Road Project, Village of Lake Barrington, Lake County, Illinois. A complete tree inventory listing tag number, station, offset, size, common name, scientific name, health, structure and comments regarding the quality of the identified trees. Nomenclature used for common and scientific names follows Swink and Wilhem (1994) Plants of the Chicago Region and U.S. Fish and Wildlife Service (1996) National List of Vascular Plant Species that Occur in Wetlands.

During the survey, each tree will be evaluated and assigned a number rating based on a scale rating from 1 – 5. The following discusses the rating scale in the Condition/Form column of the Tree Inventory Report. These ratings are established and based on general observations at the time of the inventory. A rating of 1 (excellent) will have the highest value in terms of protection or preservation. A rating of 5 (poor) will have the lowest value and quality.

QA/QC: BLA will perform the QA/QC throughout the project however; the detailed QA/QC will be emphasized at the time of the two-milestone submittals and the **QA/QC statement will be submitted with each submittal.**

Utility Coordination: BLA will review the permits, check against the drainage facilities, prepare the conflict list, and coordinate with the utilities on their issues with the improvements through the LCDOT. BLA will make submittals to all impacted utility companies with the proposed impacts at the pre-final and final milestone dates.

Coordination/Deliverables: Coordination with the local agencies will go through LCDOT. Deliverables to the LCDOT will consist of the Word, Excel, MicroStation and PDF files that comprise the Soils/Geotechnical Report, final plans, specifications and estimates prepared for this project.

Structural Plans:

- South Permanent Wall TS&L: BLA will prepare Type, Size & Location plans for the South Permanent Wall and submit for review and approval to the Local Bridge Unit.
- Roundabout Wall: BLA will prepare plans and specifications for a cast-in-place retaining wall located at the north side of the roundabout. Wall will have formliner if required and IDOT standard rail or fence mounted on it.
- South Permanent Wall: BLA will prepare plans and specifications for a permanent steel sheet pile wall with cast-in-place facing and parapet located at the south edge of path and Roberts roadway. Wall will serve as a temporary wall during the removal and replacement of unsuitable material to the north. After backfilling the north side, it will become the permanent south wall and the concrete facing and parapet will be added along with an IDOT standard railing and formliner. If it is determined that in-place ground improvement, such as aggregate columns, is more economical than unsuitable material remove and replace, then these hours will be used for south temporary walls near the toe of the south embankment, if required, with an LCDOT standard railing and formliner.
- North Temporary Stage Construction Wall: BLA will prepare plans and specifications for temporary sheet pile walls to be placed along the stage construction line to facilitate the removal and replacement of unsuitable material and construction of the new Roberts Road and roundabout, while keeping Roberts open to traffic on the existing roadway.

Phase III Coordination & Shop Drawing Review:

- Coordination: BLA will attend pre-construction meeting and respond to RFI's during construction of the improvement.
- Shop Drawing Review: BLA will review and approve shop drawings for: roundabout railing; south permanent wall sheeting and railing; and north temporary wall sheeting. Review of sheeting will also include computations if provided.

BLA Manhours
PROJECT: River Road at Roberts Road
Project: CMM-9003(063)
Section: 07-00086-08-CH
Job No. D-91-513-08

<u>ITEM</u>	<u># OF SHEETS</u>	<u>MH PER SHEET</u>	<u>TOTAL MH'S</u>
Title Sheet	1	16	16
Typical Section (6 Existing, 7 Proposed)	4	16	64
Alignment & Ties	1	24	24
Notes/ Index/ Standards	1	20	20
Summary of Quantities	3	24	72
Schedule of Quantities	2	20	40
Maintenance of Traffic (River Rd and Roberts Rd Detour, Staging Sections and Notes, Roberts Rd MOT Staging 1, 2 &3)	8	16	128
Plan and Profile (Scale 1:20)	5	30	150
Drainage and Utilities (Scale 1:20)	5	36	180
Drainage Calculations			96
Special Provisions			60
Estimate of Time			16
Estimate of Cost			32
Maintenance of Details			
-Modify IDOT	8	2	16
-Consultant Details	4	24	96
Pavement Marking, Signing and Landscaping	3	20	60
Erosion Control Plans	6	16	96
Grading Plan	1	24	24
Soil Profiles and Coordination	1	16	16
Lighting Coordination	3		16
Roundabout and Geometry Coordination			32
Land Acquisition Coordination	4		16
Cross Sections (56 Full & 1 half)			
-57 Cross Sections, 5 x-sec /sht = 12 sht+/-	12	16	192
Sub-Total (Page 1)	72		1462

BLA Manhours
PROJECT: River Road at Roberts Road
Project: CMM-9003(063)
Section: 07-00086-08-CH
Job No. D-91-513-08

<u>ITEM</u>	<u># OF SHEETS</u>	<u>MH PER SHEET</u>	<u>TOTAL MH'S</u>
Meeting/Field Checks/ Coordination (See Attached)			120
Permits			
USACOE (404 Joint Application)			36
IEPA 401 Water Quality Certification			16
Lake County Soil and Water Conservation District			16
Lake County SMC Permit Application			48
IDOT/IDNR Floodway Submittal			6
IEPA - NPDES Permit SWPPP			12
Supplemental Survey			
Topography for Compensatory Storage Area and along Roberts Rd, tree tags and locates			112
Alignment Tie			26
Horizontal/Vertical Control			12
Tree Identification and Condition Survey			16
QA/QC (12 MH Preliminary, 10 MH Prefinal and 8 MH Final Submittal)			30
Utility Coordination (Permit, Conflicts, letters, Coordination, etc.)			32
Geotechnical - Boring & Aggregate Column Design Supervision (B01)			125
TS&L South Permanent Wall (See Attached)	3		210
Roundabout Wall Plans (See Attached)	7		242
South Permanent Wall (See Attached)	23		796
North Temporary Stage Construction Wall (See Attached)	15		357
Phase III Coordination & Shop Drawing Review (See Attached)			146
			<hr/>
Sub-Total (Page 2)	48		2358
Sub-Total (Page 1)	72		1462
Administration/ Management			149
Total	120		3,969

BLA Manhours

PROJECT: River Road at Roberts Road

Project: CMM-9003(063)

Section: 07-00086-08-CH

Job No. D-91-513-08

South Permanent Walls

Type Size and Location Plans - Structural Manhours Attachment

<u>Sheet</u> <u>No.</u>	<u>Sheet Title/ Task</u>	<u>No. of</u> <u>Sheets</u>	<u>Total Hours</u>
TS&L - South Permanent Wall			
1	General Plan, Elevation & Section	1	70
1	General Plan, Elevation & Section	1	70
1	Details	1	70
		<hr/> 3	
	Total Hours		210

BLA Manhours

PROJECT: River Road at Roberts Road

Project: CMM-9003(063)

Section: 07-00086-08-CH

Job No. D-91-513-08

Permanent Roundabout Wall - Structural Manhours Attachment

<u>Sheet</u>		<u>No. of</u>	
<u>No.</u>	<u>Sheet Title/ Task</u>	<u>Sheets</u>	<u>Total Hours</u>
1	General Plan, Total Bill, General Notes, Index, Profile	1	34
2	Plan & Elevation, Bar List, Bar Bends	1	60
3	Plan & Elevation, Bar List, Bar Bends	1	60
4	Wall Sections, Exp Jts., Backfill Detail	1	50
5	Wall Railing Detail (IDOT Std-Modified)	1	20
6	Soil Boring Logs	1	6
7	Soil Boring Logs	1	6
	Special Provisions		6
		<hr/>	<hr/>
		7	
	Total Hours		242

BLA Manhours

PROJECT: River Road at Roberts Road

Project: CMM-9003(063)

Section: 07-00086-08-CH

Job No. D-91-513-08

South Permanent Walls - Structural Manhours Attachment

<u>Sheet</u>		<u>No. of</u>	
<u>No.</u>	<u>Sheet Title/ Task</u>	<u>Sheets</u>	<u>Total Hours</u>
1	General Plan, Total Bill, General Notes, Index, Profile (700 feet)	1	34
2	General Plan & Elevation (700 feet)	1	34
3	Plan & Elevation (125 feet, typ)	1	60
4	Plan & Elevation	1	45
5	Plan & Elevation	1	45
6	Plan & Elevation	1	45
7	Plan & Elevation	1	45
8	Plan & Elevation	1	45
9	Plan & Elevation	1	45
10	Plan & Elevation	1	45
11	Plan & Elevation	1	45
12	Plan & Elevation	1	45
13	Plan & Elevation	1	45
14	Wall Sections, Bar List, Bar Details, Joint Details	1	50
15	Wall Sections, Bar List, Bar Details	1	50
16	Wall Sections, Bar List, Bar Details	1	50
17	Wall Railing Detail (IDOT Std-Modified)	1	20
18	Soil Boring Logs	1	6
19	Soil Boring Logs	1	6
20	Soil Boring Logs	1	6
21	Soil Boring Logs	1	6
22	Soil Boring Logs	1	6
23	Soil Boring Logs	1	6
	Special Provisions		12
		<hr/>	
		23	
	Total Hours		796

BLA Manhours

PROJECT: River Road at Roberts Road

Project: CMM-9003(063)

Section: 07-00086-08-CH

Job No. D-91-513-08

North Temporary Stage Construction Walls - Structural Manhours Attachment

<u>Sheet</u>		<u>No. of</u>	
<u>No.</u>	<u>Sheet Title/ Task</u>	<u>Sheets</u>	<u>Total Hours</u>
1	General Plan, Total Bill, General Notes, Index, Profile (500 feet)	1	34
2	General Plan & Elevation (500 feet)	1	34
3	Plan & Elevation (200 feet, typ)	1	45
4	Plan & Elevation	1	35
5	Plan & Elevation	1	35
6	Plan & Elevation	1	35
7	Plan & Elevation	1	35
8	Wall Sections, Details	1	50
9	Soil Boring Logs	1	6
10	Soil Boring Logs	1	6
11	Soil Boring Logs	1	6
12	Soil Boring Logs	1	6
13	Soil Boring Logs	1	6
14	Soil Boring Logs	1	6
15	Soil Boring Logs	1	6
	Special Provisions		12
		15	
Total Hours			357

BLA Manhours

PROJECT: River Road at Roberts Road

Project: CMM-9003(063)

Section: 07-00086-08-CH

Job No. D-91-513-08

Phase III Coordination and Shop Drawing Review - Manhours Attachment

<u>ITEM</u>	<u>Total Hours</u>
Phase III Coordination	60
Roundabout Wall - Railing Shop Drawings	12
South Permanent Wall Shop Drawings	
Sheeting Shop Drawings	6
Railing Shop Drawings	24
North Temporary Wall Shop Drawings	
Sheeting Shop Drawings	44
<hr/>	
Total Hours	146

BLA Manhours
PROJECT: River Road at Roberts Road
Project: CMM-9003(063)
Section: 07-00086-08-CH
Job No. D-91-513-08
BLA Meeting Manhours Attachment

Meetings

LCDOT Office (kickoff, Initial, reviews, Precon)	4 mtgs @ 3 hrs. @ 3 people	36
IDOT Office	1 mtg @ 3 hrs. @ 2 people	6
Utilities	2 mtgs @ 3 hrs @ 2 people	12
Plan in Hand Field Review	1 mtg @ 8 hrs @ 2 person	16
Field Checks	2 checks @ 4 hrs @ 1 person	8
Environmental Meetings		
USACOE Permit Coordination	2 mtg @ 3 hrs @ 3 people	18
Misc. Meetings	2 mtgs @ 2 hrs @ 2 person	8
Permit Meeting - Lake County SMC	2 mtg @ 4 hrs @ 2 people	<u>16</u>
	Total Meeting Manhours	120

BLA Manhours
PROJECT: River Road at Roberts Road
Project: CMM-9003(063)
Section: 07-00086-08-CH
Job No. D-91-513-08
BLA Direct Costs

	<u># of</u> <u>Sets</u>	<u>Size</u>	<u># of</u> <u>Sheets</u>	<u>Rate per</u> <u>Sheet</u>	<u>Total</u>
<u>PRELIMINARY PLANS</u>					
Plan Sets (7 LCDOT, 4 Utility Companies)	11	Quarter	120	\$0.25	\$330.00
Special Provisions (unbound)	11	8.5"x11"	140	\$0.10	\$154.00
Cost Estimate	7	8.5"x11"	3	\$0.10	\$2.10
Estimate of Time	7	8.5"x11"	2	\$0.10	\$1.40
Geotechnical/ Soils Report	7	8.5"x11"	40	\$0.10	\$28.00
Pavement Analysis	7	8.5"x11"	4	\$0.10	<u>\$2.80</u>
			Preliminary Total		\$518.30

<u>PRE-FINAL PLANS</u>					
Plan Sets (12 IDOT, 7 LCDOT, 2 LCSMC)	21	Quarter	120	\$0.25	\$630.00
Special Provisions (unbound) (12 IDOT, 7 LCDOT)	21	8.5"x11"	140	\$0.10	\$294.00
Cost Estimate	19	8.5"x11"	3	\$0.10	\$5.70
Estimate of Time	11	8.5"x11"	2	\$0.10	\$2.20
Geotechnical/ Soils Report	11	8.5"x11"	40	\$0.10	\$44.00
Pavement Analysis	11	8.5"x11"	4	\$0.10	<u>\$4.40</u>
			Pre-Final Total		\$980.30

<u>FINAL PLANS</u>					
Plan Sets (IDOT)	1	Full Mylar	120	\$3.00	\$360.00
Plan Sets (2- IDOT, 7-LCDOT, 2 LCSMC, 4 Utilities, 5 Agencies)	20	Quarter	120	\$0.25	\$600.00
Special Provisions (unbound)	20	8.5"x11"	140	\$0.10	\$280.00
Cost Estimate *	20	8.5"x11"	3	\$0.10	\$6.00
Estimate of Time	20	8.5"x11"	2	\$0.10	\$4.00
SWPPP	7	Report	1	\$8.75	<u>\$61.25</u>
			Final Total		\$1,311.25

* Cost Estimate will include to IDOT 4 with prices, 4 without prices and cost breakdowns for lump sum items

<u>**PERMIT REPORT SUBMITTALS</u>					
Stormwater Binders	18	Binder	1	\$9.00	\$162.00
Stormwater Reports	18	8.5"x11"	75	\$0.10	\$135.00
Stormwater Reports	18	11"x17"	5	\$0.25	\$22.50
SMC Exhibits (5 Agency Submittals of 18 reports)	90	24"x36"	1	\$2.00	<u>\$180.00</u>
			Permit Report Total		\$499.50

**4 LCSWPD, 2 LCDOT, 0 IDOT = 6 @ 3 submittals = 18 Copies

<u>MEETINGS</u>					
Vehicles	16			\$48.00	\$768.00
				Vehicles Total	\$768.00

<u>SURVEY</u>					
Vehicles	8			\$48.00	<u>\$384.00</u>
				Vehicles Total	\$384.00

Grand Total **\$4,461.35**

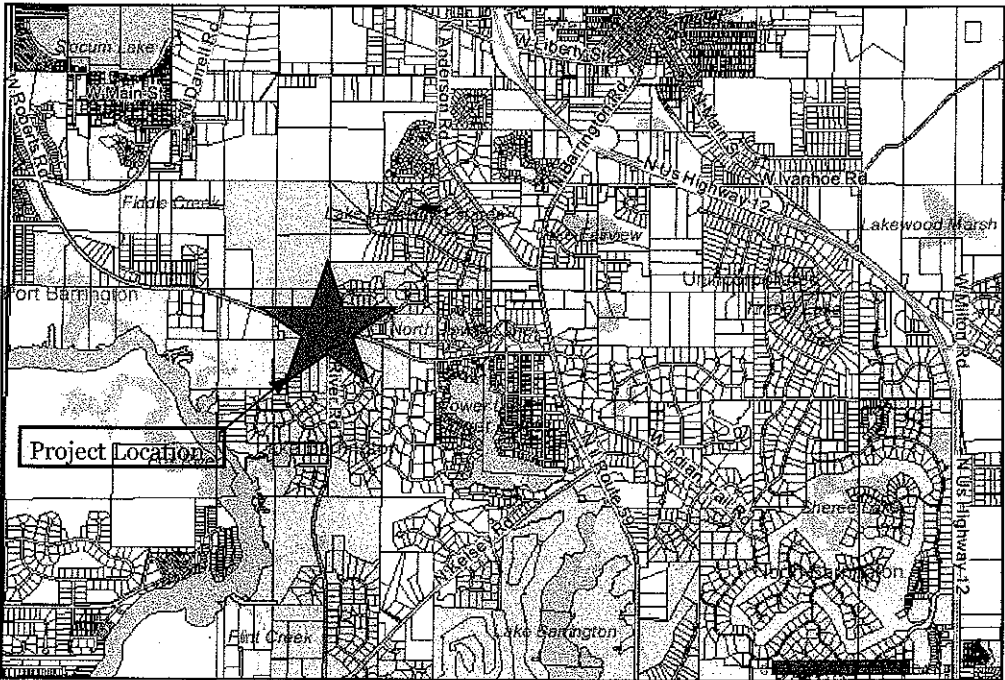
River-Roberts Site Location Map

Route : FAU 3704/River Road at Roberts Road

Section No: 07-00086-08-CH

Project No.: CMM-9003(063)

Job No.: P-91-513-08



Project Schedule For
 River Road at Roberts Road in Lake County
 September 2013 Letting
 D-91-513-08, CMM-9003(063), Section No.: 07-00086-08-CH

	2012												2013						
	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Roadway Plans																			
Notice to Proceed		Notice to Proceed May, 2012																	
Geotechnical Investigation																			
Supplemental Survey																			
Prepare Preliminary Plans																			
LCDOT and IDOT Review																			
Prepare Prelinal Plans																			
LCDOT and IDOT Review																			
Prepare Final Plans																			
Phase III Coordination																			
Structure Plans																			
Geotechnical Investigation																			
TS&L Plans, Revised TS & L																			
LCDOT and IDOT Review																			
Prepare Plans																			
LCDOT and IDOT Review																			
Prepare Final Plans																			
Phase III Coordination																			

Construction Monitoring &
Observations

Construction Materials Testing

Tunnels and Underground Openings

Geotechnical Engineering &
Evaluation

SEECO Consultants Inc.

CONSULTING ENGINEERS

September 30, 2011

Subsurface Explorations

Foundation Analysis & Design

Structural Rehabilitation
Condition Surveys

Dams and Drainage Studies

Ms. Cindy Flower, PE
Bollinger Lach and Associates
333 Pierce Road, Suite 200
Itasca, Illinois 60143

REVISED PROPOSAL AND CONTRACT

Subsurface Exploration, Laboratory Testing and Geotechnical Engineering and Analysis for the Proposed Improvement of Roberts Road and River Road Intersection, Lake County, IL – Phase 2

Dear Ms. Flower:

Pursuant to your request, SEECO Consultants, Inc. is pleased to present our proposal for the above referenced project. It is our understanding that the intersection is proposed to be reconstructed. In preparing our proposal, we have reviewed pertinent information, have visited the site and have discussed the scope of work with the IDOT District One Geotechnical Engineer.

The scope of work SEECO is proposing is as follows:

- Perform 15 soil borings to depths of 40 – 80' for a total of 680 lineal feet. All drill rig borings will be advanced to depths that provide adequate soils data for the improvement investigated at that location. Final boring depths will be determined per the IDOT Geotechnical Manual based upon soils characteristics encountered. The boreholes will be located in strategic locations in general accordance with the Boring Location Exhibit. Some of the locations will be accessible to a truck mounted drill rig. In order to access areas on the edge of the wetland, a low ground pressure dozer will be utilized to facilitate drill rig access by clearing the undergrowth. A wide tracked ATV carrier drill rig will be utilized to perform the borings in areas along/in the wetlands. The least amount of disturbance possible to the wetlands and vegetation will be attempted. All locations proposed are subject to accessibility. It is anticipated that six borings will be performed in the wetland/wooded areas. These borings will be located as far into the wetland area as equipment constraints allow, or to the proposed alignment of the potential temporary sheeting, depending on access. Weather, precipitation and site logistics will dictate the locations of the borings. Additionally, hand auger borings/probes will be performed in the wetland areas along the proposed temporary sheeting alignment in an attempt to further determine the depth to stiff soils. The depth of the borings may be limited by the materials encountered due to skin friction exerted on the tooling.
- All soil samples obtained as part of the geotechnical investigation will be field screened for the presence of volatile organic vapors using a photo ionization detector (PID). Visual and olfactory senses will also be used to screen the soil samples for the presence of petroleum hydrocarbons. If no samples display an elevated PID reading, then the soil will be assumed to be, to the best of our knowledge, clean, uncontaminated fill material. This information will be documented on the IEPA LPC-663 form. One (1) form will be prepared per street/roadway section. Screening or pre-screening of samples at job site is no guarantee that the CCDD landfill facility will accept/not reject materials. Nor is it a determination that the site is entirely clean of contaminants per IEPA standards. There currently are pending changes to the requirements for CCDD disposal. Said changes may include chemical analysis parameters and/or sampling protocol (now at Engineers discretion), "shelf life" of chemical analysis results or background data searches, and/or CCDD facility acceptance criteria. In addition, many CCDD facilities currently have developed their own site specific chemical analysis requirements that are above and beyond the current IEPA TACO Tier One parameters. Therefore, the expense of performing chemical analysis for CCDD disposal for a project scheduled for construction at a date beyond the near future is not in the best interest since potential changes may render the results unusable.

(708) 429-1666 • 7350 Duvan Drive • Tinley Park, IL 60477 • FAX: (708) 429-1689

www.seeco.com • email: seeco@seeco.com

REVISED PROPOSAL AND CONTRACT

Subsurface Exploration, Laboratory Testing and Geotechnical Engineering and Analysis for the Proposed Improvement of Roberts Road and River Road Intersection, Lake County, IL- Phase 2

September 30, 2011
Page 2

- The resulting soil samples will be returned to SEECO's laboratory for further testing and analysis. Visual Classification, Moisture Content and Unconfined Compressive Strength utilizing a calibrated penetrometer will be performed on all samples. Representative samples will be tested for grain size distribution, plasticity, dry unit weight, organic content and unconfined compressive strength (Qu).
- Upon completion of the field exploration and laboratory testing a written geotechnical report will be prepared under the direction of a Registered Professional/Structural Engineer of Illinois. The report will encompass subsurface soil conditions, laboratory data, pavement design, retaining wall recommendations, aggregate column recommendations if feasible, recommendations for pavement support through unsuitable soil areas, slope stability determinations (four sections) and general construction considerations.
- It is anticipated that right of entry and access locations to the site will be provided to us. No permit costs, bonds or restoration costs are included. Boring locations may be offset as required. No utility R.O.W. conflicts are anticipated. This contract is not assignable.

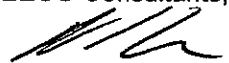
The estimated costs for these services will be per the attached IDOT Cost Estimate Forms. Invoicing terms are net due upon receipt of funds. It is acknowledged that BLA will invoice Lake County for SEECO's services on a monthly basis as BLA is invoiced by SEECO.

We will proceed with the work as outlined after we receive a signed copy of this proposal. It should be noted that the attached General Conditions are an integral part of our contract for professional services and that by signing and dating this proposal, it is represented that you have read this proposal and the attachments in their entirety and accept the terms and conditions set forth.

If there are any questions with regard to this proposal, I would be glad to discuss them with you. We are very interested in providing you with our services on this project and assure you of our utmost cooperation.

Respectfully submitted,

SEECO Consultants, Inc.



Donald C. Cassier
Director of Field Services



Collin W. Gray, S.E., P.E.
President

ACCEPTED:

Name of Firm

Authorized Signature

Date

DCC:arm

Attachment

Please sign one copy and return it to our office and retain one copy for your files.

SEECO Consultants Inc. - General Conditions-11/10

Scope of Work

SEECO Consultants Inc. (hereinafter called SEECO) shall perform the services defined in this contract and shall invoice the Client for those services at the stated amount or standard rates shown on the attached fee schedule. The estimate of cost to the Client as stated in this contract shall not be considered as a firm figure, but only an estimate unless otherwise specifically stated in this contract. SEECO will provide additional services under this contract as requested by the Client and invoice the Client for those additional services at the standard rates, as quoted. Contract does not include the provision for prevailing wage rates unless otherwise stated. Acceptance of services proposed herewith - prior to contract execution- implies and constitutes acceptance of rates and conditions set forth in this contract unless explicitly agreed upon mutually in writing prior to inception of services.

Soil Boring Locations

It is understood that the Client will furnish SEECO with a diagram indicating both the location of the site and the borings on that site. SEECO reserves the right to deviate a reasonable distance from the boring location specified unless this right is specifically revoked by the Client in writing at the time the location diagram is supplied. SEECO reserves the right to terminate this contract if conditions preventing the drilling at the specified locations are encountered which were not made known to SEECO prior to the date of this contract. SEECO will contact the underground utility locate network responsible in the locale being drilled. However, SEECO is not responsible for damage to underground utilities that are not marked, located or mislocated/mismarked whether said utility is party to the locating network or not. Client is responsible for locating proprietary utilities and/or underground structures and appurtenances. SEECO will backfill the boreholes with soil cuttings and match the surface to existing conditions, unless otherwise stated in the contract. SEECO is not responsible to maintain boreholes beyond initial backfilling, for any repair of settled backfill, or any costs associated with potential borehole settlement, including reparations or personal injury beyond our active on site exploration time.

Construction Observation and Testing

Unless otherwise stated in contract, field personnel charges are subject to an eight hour minimum, including portal-to-portal travel time. Any cancellations onsite will incur said eight hour minimum. Cancellations after travel time has commenced will incur a minimum charge of 3 hours to the client.

Access to Sites

Unless otherwise agreed, the Client will furnish SEECO with right-of-access to the site in order to conduct the planned investigation or inspection. SEECO will take responsible precautions to minimize damage to the site due to its operations, but has not included in the fee the cost of restoration of any damage resulting from the operations. This includes crop damage/restoration costs. If the Client desires, SEECO will restore any damage to the site and add the cost of restoration to the fee stated in the proposal contract.

Samples/Reports

All samples of soil and rock will be discarded 60 days after submission of the report unless the Client advises SEECO in writing to the contrary. SEECO will furnish three copies of each report to the client.

Subcontracts/Assignments

SEECO reserves the right to subcontract drilling and related support services to SEECO Environmental Services Inc. and construction inspection, observation and testing services to SEECO Construction Services, Inc. Subcontracting rights are not limited to stated services or entities. Client may not assign this contract without express written consent of SEECO.

Invoices

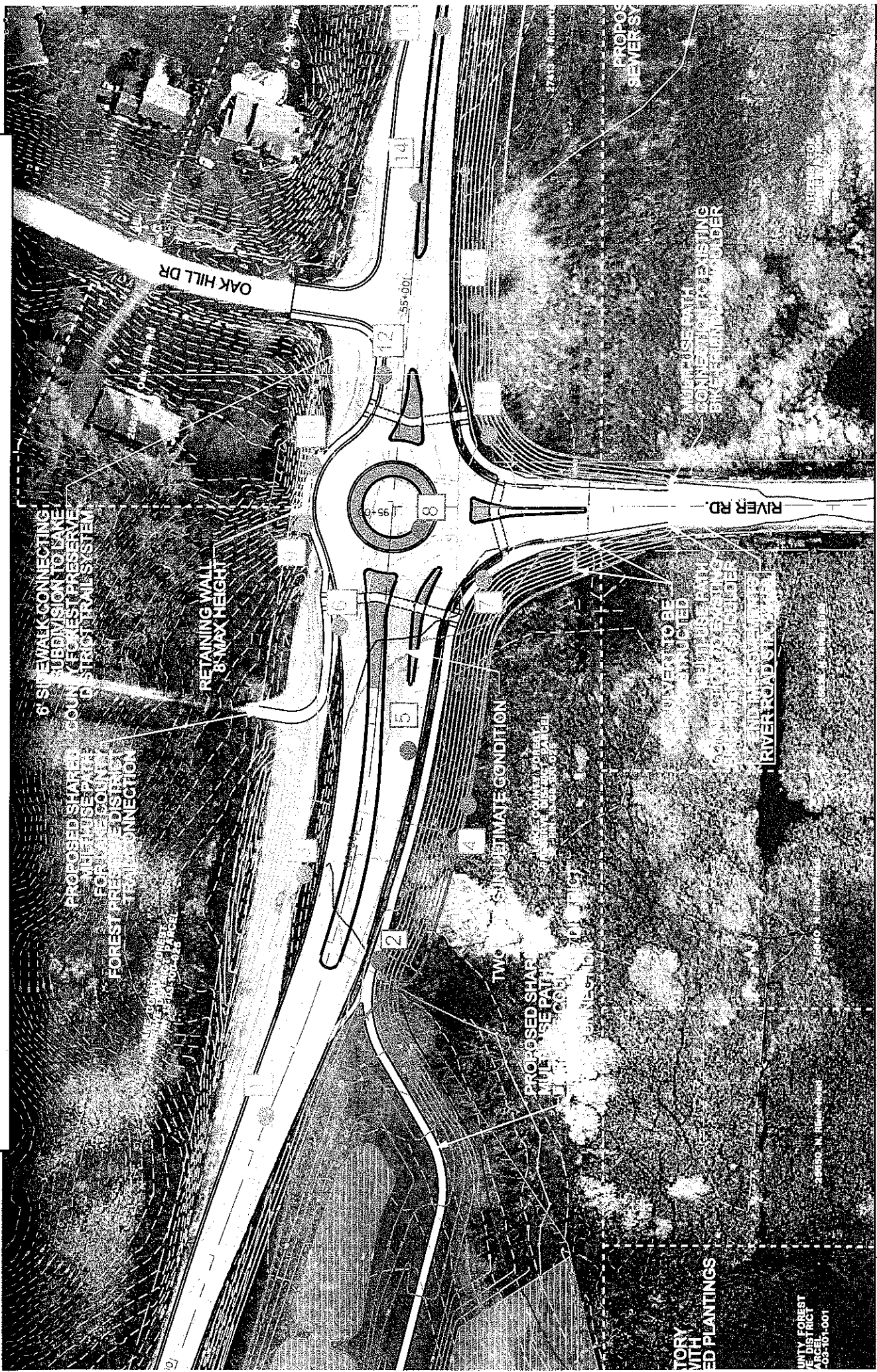
Invoices will be submitted once a month for services performed during the prior month. Payment will be due within 30 days of receipt of invoice unless otherwise stated in contract. Interest will be added to delinquent accounts at the rate of two percent per month for each month of delinquency. The billing rates as described in the contract may be increased on the annual anniversary of the effective date of this contract at an annual rate not to exceed 10%. Any and all costs incurred in collecting delinquent invoices, including but not limited to legal fees, filing fees and costs, etc. will be added to the amount due.

Liability

SEECO is protected by Workman's Compensation Insurance (and/or employer's liability insurance) and by public liability insurance for bodily injury (limit \$1,000,000) and property damage (limit \$1,000,000) and will furnish certificates of insurance upon request. Within the limits of the insurance, SEECO agrees to save the Client harmless from loss, damage, injury or liability arising directly from the negligent acts or omissions of SEECO and its employees. If the Client's contract places greater responsibility upon SEECO or requires increased insurance coverage, SEECO will, if specifically directed by the Client, take out additional insurance, if obtainable, at the Client's expense, but will not be responsible for property damage from any causes, including fire and/or explosion beyond the limits of the insurance coverage.

Limitation of Liability

The Client recognizes the inherent risks connected with construction. In performing their professional services, SEECO will use that degree of care and skill ordinarily exercised, under similar circumstances, by reputable members of their profession practicing in the same or similar locality. No other warranty, express or implied, is made or intended by the proposal for consulting services or by furnishing oral or written reports of the findings made. It is agreed that the Client will limit any and all liability, claim for damages, cost of defense, or expenses to be levied against SEECO on account of any design defect, error, omission, or professional negligence to a sum not to exceed \$1,000.00. Further, the Client agrees to notify any contractor or subcontractor who may perform work in connection with any design, report or study prepared by SEECO of such limitation of liability for design defects, omissions, or professional negligence, and require as a condition precedent to their performing the work a like limitation of liability on their part as against SEECO. In the event the Client fails to obtain a like limitation of liability provision as to design defects, errors, omissions, or professional negligence, any liability of the Client and SEECO in such a manner that the aggregate liability for SEECO for such design defect to all parties, including the Client shall not exceed \$1,000.00. Limitation of liability stated herewith is extended to include SEECO Construction Services, Inc. and SEECO Environmental Services, Inc., and any and all officers, shareholders, employees and/or agents of SEECO Consultants Inc., SEECO Construction Services, Inc., and/or SEECO Environmental Services, Inc.



PROPOSED SHARED MULTI-USE PATH FOR LAKE COUNTY FOREST PRESERVE DISTRICT TRAIL CONNECTION

RETAINING WALL
8' MAX HEIGHT

TWO-SURF ULTIMATE CONDITION

PROPOSED SHARED MULTI-USE PATH

TORARY WITH PLANTINGS

LAKE COUNTY FOREST PRESERVE DISTRICT
ACCESS 03-101-001

28650 N. HARRIS ROAD

LAKE COUNTY
Division of Transportation

ROBERTS ROAD AND RIVER ROAD
ULTIMATE CONDITION ROUNDABOUT

OAK HILL DR

PROPOSED SHARED MULTI-USE PATH
CONNECTING TO EXISTING BIKE PATH AND SIDEWALK

12

14

55-001

8

95+0

5

4

2

RIVER RD.

RIVER ROAD SIDEWALK

28650 N. HARRIS ROAD

LAKE COUNTY FOREST PRESERVE DISTRICT

ACCESS 03-101-001

WOSI PLUS FIXED FEE COST ESTIMATE OF CONSULTANT SERVICES

DF-824-039
REV 12/04
10/03/11

FIRM SEECO Consultants

PSB _____

PRIME/SUPPLEMENT _____

DATE _____

180%

COMPLEXITY FACTOR 0

OVERHEAD RATE
COMPLEXITY FACTOR

DBE DROP BOX	ITEM	MANHOURS (A)	PAYROLL (B)	OVERHEAD & FRINGE BENEF (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
	Field Engineer	168	6,048.00	10,886.40	43,609.00	2,237.76				62,781.16	50.91%
	Technician	140	5,040.00	9,072.00		1,864.80				15,976.80	12.95%
	Staff Engineer	140	5,040.00	9,072.00		1,864.80				15,976.80	12.95%
	Draftsman	64	1,792.00	3,225.60		663.04				5,680.64	4.61%
	Project Engineer	106	4,028.00	7,250.40		1,490.36				12,768.76	10.35%
	Senior Engineer	24	1,080.00	1,944.00		399.60				3,423.60	2.78%
	Project Manager	24	1,080.00	1,944.00		399.60				3,423.60	2.78%
	Principal Engineer	8	560.00	1,008.00		207.20				1,775.20	1.44%
	Technical Typist	24	480.00	864.00		177.60				1,521.60	1.23%
	Subconsultant DL					0.00				0.00	0.00%
	TOTALS	698	25,148.00	45,266.40	43,609.00	9,304.76	0.00	0.00	0.00	123,328.16	100.00%

DBE 0.00%

DBE

PREPARED BY THE AGREEMENTS UNIT

Printed 10/3/2011 4:01 PM

SUMMARY OF DIRECT COSTS – PHASE 2

Roberts Road and River Road Lake County, IL

Mobilization of Equipment and Personnel	\$ 800.00
Soil Borings Truck Mounted Rig	
0- 25' Estimate 375' @ \$27.00/lf	\$10,125.00
26-50' Estimate 265' @ \$30.00/lf	\$ 7,950.00
51-75' Estimate 40' @ \$33.00/lf	\$ 1,320.00
Site Clearing w/small dozer– 2 Days	\$ 4,000.00
ATV – Rental	\$ 9,875.00
Arrow Board/Cones/Signs	
Estimate 6 Days @ \$175.00/Day	\$ 1,050.00
Visual Classification (AASHTO), Moisture Content, Unconfined Compressive Strength Utilizing a Calibrated Penetrometer Test	
Estimate 272 Tests @ \$12.00/Test	\$ 3,264.00
Dry Unit Weight/Qu Strength	
Estimate 45 Tests @ \$35.00/Sample	\$ 1,575.00
Organic Content	
Estimate 10 Tests @ \$85.00/Test	\$ 850.00
Grain Size Analysis	
Estimate 10 Tests @ \$185.00/Test	\$ 1,850.00
Atterberg Limits	
Estimate 10 Tests @ \$95.00/Test	<u>\$ 950.00</u>

ESTIMATED TOTAL DIRECT COSTS: \$43,609.00



Project: Lake County
River Rd. at Roberts Rd.
AEI Ref. # 2011-02

August 2, 2011

Ames Engineering, Inc. (AEI) will be the sub-consultant to Bollinger, Lach & Associates to provide lighting and CADD services for the above project.

Scope of Work – Lighting

Ames Engineering, Inc. (AEI) scope of services consists of providing intersection lighting plans for proposed improvements on Roberts Rd. at the intersection of River Rd. (proposed roundabout). The work will consist of the following items:

1. Providing General Notes, Legend and Schedule of Quantities
2. Provide proposed lighting plans at the intersection of Roberts Rd. and River Rd. and along each approach.
3. Miscellaneous Details
4. Wiring Diagram/Load table
5. Photometric Calculations
6. Special Provisions
7. Voltage Drop Calculations
8. Field visit
9. Engineers Cost Estimate
10. Meetings with Prime/Client
11. QA/QC
12. Project management and administration

Items not included in scope:

1. Any items outside the scope of work and project limits as shown above.
2. Additional hours will be required if changes to geometry are made after the final plan submittal.

Items to be furnished to AEI:

1. Base sheets in dgn format.
2. All underground utilities (dgn format).
3. Lake County Details/Standards in electronic format
4. Electronic files (dgn format) of proposed roadway geometry, alignment shall be provided by the Prime.



Project: Lake County
River Rd. at Roberts Rd.
AEI Ref. # 2011-02

Manhour Estimate - Lighting

Item	Task	Hours
1.	General Notes, Legend and Schedule of Quantities (1sheet)	24
2.	Proposed Lighting Plan (1 sheets @ 40 hrs/sheet)	40
3.	Misc. Detail sheets (5 sheets @ 8hrs/sheet)	40
4.	Wiring Diagram/Load Table (1 sheet)	12
5.	Photometric Calculations (roundabout intersection)	8
6.	Special Provisions	8
7.	Voltage Drop Calculations	4
8.	Field Visit (1 field trip @ 6hrs/trip)	6
9.	Engineer's Cost Estimate	8
10.	QA/QC	4
11.	Meetings with Prime/Client (2 meetings @ 4 hrs/meeting)	8
12.	Project management and administration	6
Total		168



Project: Lake County
River Rd. at Roberts Rd.
AEI Ref. # 2011-02

Direct Cost Estimate – Lighting

Travel:

Field Trip: 1 trip @ 80 miles/RT = 80 miles
Meeting: 1 trip. @ 40 miles/R.T. = 40 miles \$ 61
120 miles @ \$0.505 /mile = \$60.60

Printing and Reproduction: \$ 13

*Final (In-house)
8 sheets (1/4 size) x 4 sets x 2submittal
@ \$0.20/sheet = \$ 12.80

In-House Miscellaneous:
CADD Hrs: 75 x \$10/hr = \$750 \$ 750

Mailing/Postage \$20

TOTAL \$ 844

* Final plans to County will be printed by Prime

**PAYROLL ESCALATION TABLE
ANNIVERSARY RAISES**

RM NAME
TIME/SUPPLEMENT

Ames Engineering, Inc.
Prime

DATE 08/02/11
PSB NO. _____

CONTRACT TERM
START DATE
RAISE DATE

9 MONTHS
9/1/2011
Anniversary

OVERHEAD RATE 154.80%
COMPLEXITY FACTOR 0
% OF RAISE 5.00%

ESCALATION PER YEAR

DETERMINE THE MID POINT OF THE AGREEMENT

4.5

CALCULATE THE ESCALATION FACTOR TO THE MIDPOINT OF THE CONTRACT

1.88%

The total escalation for this project would be: **1.88%**

PAYROLL RATES

FIRM NAME
PRIME/SUPPLEMENT
PTB NO.

Ames Engineering, Inc.
Prime

DATE 08/02/11

ESCALATION FACTOR 1.88%

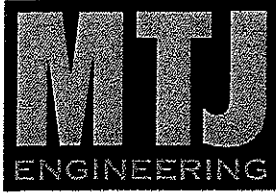
CLASSIFICATION	CURRENT RATE	ESCALATED RATE
Project Manager	\$45.00	\$45.84
Project Engineer	\$40.00	\$40.75
Staff Engineer	\$35.00	\$35.66
CADD Designer	\$30.00	\$30.56
		\$0.00
		\$0.00
		\$0.00
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		\$0.00



**Cost Estimate of
Consultant Services
(CPFF)**

Firm Ames Engineering, Inc. Date 08/02/11
 Route River Road at Roberts Road
 Section _____
 County Lake
 Job No. _____
 PTB & Item _____
 Overhead Rate 154.80%
 Complexity Factor 0

Item	Manhours	Payroll	Overhead & Fringe Benefits	In-House Direct Costs	Fixed Fee	Outside Direct Costs	Services By Others	Total	% of Grand Total
Lighting Plans	168	5,969.88	9,241.37	844.00	2,328.01	0.00		18,383.25	100.00%
TOTALS	168	5,969.88	9,241.37	844.00	2,328.01	0.00		18,383.25	100.00%



Mark T. Johnson, P.E.

313 Price Place, Suite #5

Madison, WI 53705

Office: 608.238.5000

Fax: 866.846.5552

info@mtjengineering.com

www.mtjengineering.com

June 23, 2011

Cindy Flower, P.E.
Bollinger, Lach & Associates,
333 Pierce Rd # 200
Itasca, IL 60143

RE: River Roberts Road - Final Design

Cindy:

I am very pleased to provide this proposal for final roundabout design and review services for this challenging project.

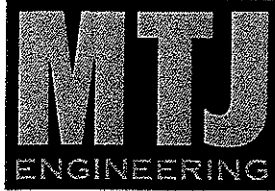
Mark T. Johnson, P.E. of MTJ Engineering brings the foremost experience available in the U.S. on high capacity complex modern roundabouts. Mark is the primary author of the multi-lane section of the newly revised FHWA Roundabout Guide that will be published this year. Mark has completed over 380 roundabout projects in 23 states and 2 Canadian Provinces encompassing a broad range of traffic flow and constrained conditions and contexts. In addition Mark's experience encompasses all aspects of traffic and transportation engineering associated with complex intersection projects like this one.

Effective communication of information in an easily understood manner is the cornerstone of successful projects. Mark's experience with challenging and controversial projects and understanding of modern roundabouts allows for communication of information in an easily understood manner that has proven extremely effective for successful project implementation addressing roadway agency, elected officials, business owner and public citizens' concerns with this new form of intersection control.

Mark has given hundreds of presentations and training courses to industry, agency, boards, commissions, elected officials and general public to provide sound information on modern roundabouts. He uses this experience and communication skill to effectively meet all project requirements and accurately communicate design choices to clients.

INTRODUCTION

Roundabouts are not homogeneous. Each is designed specifically to address the traffic flows, site constraints, context, and project objectives of the particular intersection or corridor. MTJ will develop an appropriate design that balances these competing objectives while ensuring a safe roundabout with adequate capacity is achieved with acceptable costs and or impacts is achieved. The success of roundabouts once opened s predicated on excellence in design and construction.



Mark T. Johnson, P.E.

313 Price Place, Suite #5

Madison, WI 53705

Office: 608.238.5000

Fax: 866.846.5552

[Info@mtjengineering.com](mailto:info@mtjengineering.com)

www.mtjengineering.com

WORK OUTLINE

The work effort for this project is broken into three phases that are briefly summarized along with cost estimate for each phase below.

PROPOSED SCOPE OF WORK (TASKS):

TASK 1 – OBJECTIVES, CONTEXT AND CONSTRAINTS

- Provide guidance for preliminary vertical design elements for both the design year traffic flows and build year (am / pm /off peak hour)

TASK 2 – 60% DESIGN QA / QC

Review and Develop ‘preliminary’ design recommendations for final horizontal and vertical design elements consistent with expected ROW impacts and operations as dictated in IDS plans to include:

- Review/Guidance of Vertical Design
 - Preliminary Grading and Drainage
 - Typical cross sections
 - Truck apron details
 - Approach profiles
- Provide guidance and design assistance in development in design treatments for optimum pedestrian / bicycle safety

TASK 3 – 95% DESIGN QA / QC

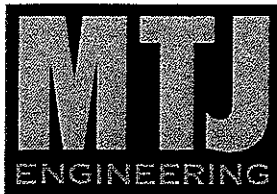
- Review/Guidance for:
 - Landscaping,
 - Illumination,
 - Signing
 - Markings
 - Final Pedestrian design applications

TASK 4 - COMMUNICATIONS

- Response To Inquiries
- Written Technical Summaries
- Net Meetings (4)

TASK 5 - MEETINGS

- 1 -Public Informational Meeting August 31st
 - 1 -30% Plan submittal meeting
 - 2- Pre-final and Final submittal meetings via conference call
-



Mark T. Johnson, P.E.
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 Madison, WI 53705
 Office: 608.238.5000
 Fax: 866.846.5552
 Info@mtjengineering.com
 www.mtjengineering.com

PROPOSED FEE SCHEDULE:

Project Fee Estimate for: MTJ Engineering, LLC				
Client:	Bollinger Lach & Associates , Lake County IL			
Project:	River Road and Roberts Road Roundabout		Date:	8/2/2011
Description:	Roundabout Design Review and Recommendations		Prepared By:	MTJ
Task No.	Task Description	Estimated Person Hours Required		Totals
		Principle Transportation Engineer (MTJ)		
1)	Overview Guidance	8		8
2) 60%	Preliminary Vertical Design QA / QC	48		48
3) 95%	Final Design Review QA / QC	48		48
4)	Communications Technical Summaries	40		40
5)	Meetings	18		18
				-
				-
Total Person Hours		162	-	162
Billing Rate/Hr		\$ 153		
Total Billable for Charged Time		\$ 24,786	\$ -	\$ 24,786
Fee Proposal for: MTJ Engineering, LLC 313 Price Place Suite # 5 Madison, WI 53705			Direct Expenses (at actual):	
			mileage	\$ 200
			Total Project Fees	\$ 24,986

On behalf of MTJ Engineering I want to thank you for this opportunity and I look forward to working with you to develop this exciting and challenging project. If you require further information please do not hesitate to contact me.

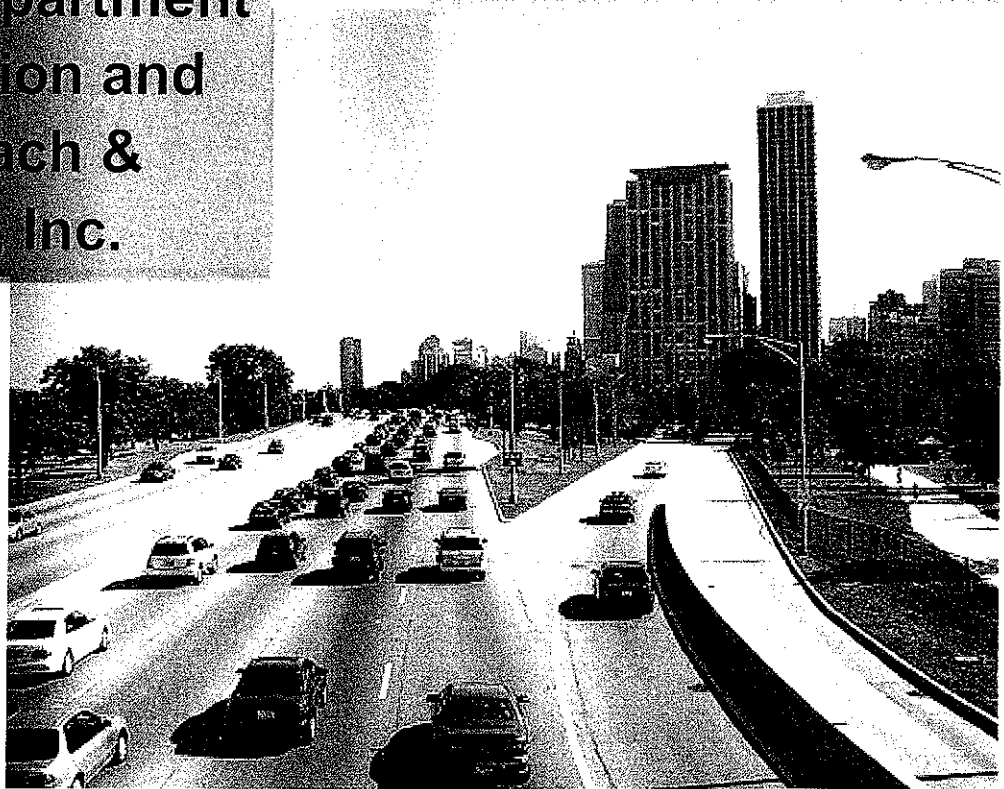
Sincerely,

Mark T. Johnson, P.E.
 Principle Transportation Engineer



PROPOSAL FOR LAND ACQUISITION SERVICES

Lake County Department
of Transportation and
Bollinger, Lach &
Associates, Inc.



Reconstruction of
Intersection at River Rd
and Roberts Rd

Santacruz Associates

2650 Valor Drive
Glenview, IL 60026
847.251.5800

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EXECUTIVE SUMMARY

Having extensive experience with right of way projects, we understand the importance of keeping on schedule. On-time lettings gives **Lake County Department of Transportation**, the Local Public Agency ("LPA") the best use of its resources and strengthens the efficiencies in the implementation of its roadway improvement program. To achieve your goals, it is critical that your land acquisition consultant understands the importance and addresses three critical issues in your acquisition of right of way:

- Deliver the right of way on-time to meet the letting
- Manage the acquisition risks, including the cost of condemnation litigation
- Compliance with the Uniform Relocation Assistance and Real Property Act of 1970, as amended (Uniform Act), IDOT land acquisition policies and procedures and FWHA policies.

CRITICAL ISSUE 1: DELIVER THE RIGHT-OF-WAY ON-TIME TO MEET LETTING

Delivery of right of way on-time keeps the project on its letting schedule. We understand that nothing is more important to the LPA. We also know that keeping the land acquisition on-time and within budget is a measurement of success for the LPA. When a project does not meet its letting schedule, we know it can impact the budget for the LPA, causing scheduling conflicts with potential contractors and also affect other economic factors which govern the delivery of the overall roadway improvement program for the LPA.

Our solution is to assemble a team of industry leading right of way professionals that have years of experience working on land acquisition projects with the understanding of what needs to be done to complete an acquisition on time.

Santacruz Associates will work with the staff for the LPA and **Bollinger, Lach & Associates, Inc.**, Engineer for the LPA, ("Consultant") to develop a land acquisition plan for the reconstruction of the intersection of Roberts and River Roads (the "Project") to assure that the goals are met. Beginning with waiver valuations on the appraisal side, we look for ways to reduce the time on the acquisition cycle. With years of right of way acquisition work, we have a large database of real estate representatives for corporate acquisitions to cut down the time spent in the initial steps of locating the real estate representative for each property.

All of these efficiencies lead to ways in which we minimize our time with an acquisition and translates to your project staying on schedule.

CRITICAL ISSUE 2: MANAGE THE ACQUISITION RISKS

Equally important as the scheduled letting is the acquisition budget for the Project. Cost overruns can jeopardize a project from moving forward. Because real estate costs can represent a significant portion of the budget for a transportation project, our team will suggest ways to minimize impacts and reduce costs in challenging acquisitions. We will also work with the LPA to minimize the condemnation referrals that impact the budget for this Project. By the same token, our team will quickly identify parcels in the very beginning of the process that have title issues that can only be resolved through condemnation.

Through experience, we know that a portion of the parcels will need to be acquired through condemnation. As such, your land acquisition consultant needs to have knowledge of the legal requirements necessary to position an agency for condemnation. Our team possesses that knowledge and has years of experience providing "expert witness" testimony in these matters.

Santacruz Associates is made up of skilled right of way professionals with a vast background in real estate and civil engineering with respect to transportation projects which gives us the ability to recognize issues and resolve them before they create delays.

CRITICAL ISSUE 3: COMPLIANCE WITH GOVERNMENT REGULATIONS

All land acquisition services must be performed in accordance with the Uniform Relocation Assistance and Real Property Act of 1970, as amended (Uniform Act). In addition, we are familiar with IDOT's land acquisition guidelines, policies and procedures.

WHY SANTACRUZ ASSOCIATES?

As you review our proposal, you will see that the team that Santacruz Associates has assembled is versatile, experienced and qualified to deliver the full scope of the land acquisition needs for the LPA. What sets apart our team is:

- Years of successful on-time delivery of right of way land acquisition services to various other agencies
- Diverse set of real estate acquisition disciplines including backgrounds in law and civil engineering
- Extensive experience with complex valuations and acquisitions
- Title review experience, including familiarity with all types of recorded documents affecting real estate and knowledge on how to clear title
- Experience in reviewing plats and legal descriptions, as well as an ability to review and understand roadway construction plans
- Expertise with the Uniform Relocation Assistance and Real Property Act of 1970, as amended (Uniform Act), Illinois Eminent Domain Act (735 ILCS 30), IDOT Land Acquisition Guidelines.
- Familiarity with IDOT policies and procedures related to land acquisition and appraisals.

Our solution is to apply our team's extensive collective decades of experience complying with federal and state laws and maximizing the team's knowledge of the land acquisition policies of IDOT.

ADDITIONAL COMPONENT OF OUR PROPOSAL: BEP UTILIZATION

Santacruz Associates is a BEP with Central Management Services, a DBE with IDOT and an MBE with Cook County and the City of Chicago.

TEAM ORGANIZATION

Santacruz Associates has assembled a versatile team of professional right of way consultants with the experience to deliver successful land acquisition services and meeting the letting dates of the project. J. Steve Santacruz, President of Santacruz Associates, will lead the team as Project Manager. The team brings a wealth of experience in land acquisition for governmental agencies and related real estate law and civil engineering disciplines to assure the proper handling of even the most complicated of acquisitions. Additionally, the key members of the Santacruz Associates team have collaborated in the past on projects.

SUMMARY

With a long history of successful delivery of a variety of right of way projects on-time, within budget and to our client's satisfaction, we look forward to the opportunity to assist the LPA with its land acquisition needs

COMPENSATION

Santacruz Associates shall be entitled to the compensation as shown on the attached schedule. Our cost proposal, based on five (5) projected parcels of right-of-way, is as follows:

<u>APPRAISALS:</u>	\$11,100.00.
<u>REVIEW APPRAISALS:</u>	\$4,800.00.
<u>NEGOTIATIONS:</u>	\$11,000.00.

As directed, Santacruz Associates shall invoice the LPA or Consultant for any fees and charges related to the acquisitions including, without limitation, (i) the cost of the later date title commitments, (ii) the cost of title insurance policies obtained on the parcels to be acquired, (iii) the cost of recording any necessary documents to complete the conveyance and obtain clear title, (iv) lender's fees related to the processing of any partial releases needed to provide clear title, and (v) land trustee processing fees. Santacruz Associates shall include \$500.00 per parcel for these charges. SANTACRUZ shall pay any such fees and charges in excess of the \$500.00 per parcel allowance for which SANTACRUZ shall be entitled to additional compensation in the amount of any such payments pursuant to a separate work order issued.

Based on the projected total number of parcels of right-of-way to be acquired for the Project, the land acquisition negotiation services provided herein are offered a cost not to exceed of \$29,400.00 as follows:

Land Acquisition Services	\$26,900.00
Direct Billable Expenses	\$2,500.00

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TECHNICAL APPROACH

Santacruz Associates shall perform all necessary services in the preparation of appraisals and review appraisals and the negotiation of the acquisition of necessary properties required for the completion of the Project. All services shall be performed at the direction of the LPA and Consultant in accordance with the policies and procedures of IDOT, as applicable, the Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 ("Uniform Act"), as amended (49 CFR Part 24), the Illinois Eminent Domain Act (735 ILCS 30) ("Eminent Domain Act") and the Illinois Code of Civil Procedure ("Code of Civil Procedure").

Santacruz Associates will review the highway construction plans with the LPA and/or the Consultant to understand the nature and purpose of the project.

Santacruz Associates agrees to perform the services as set forth herein as well as furnish and deliver to the LPA the final reports accompanied by all necessary documents needed for recordation and/or necessary for eminent domain proceedings. **The process described in this section has been the roadmap to many successful right of way projects for Santacruz Associates helping us help you keep your projects on-time and within budget.**

LAND ACQUISITION CRITICAL PATH STEPS – "OUR ROAD MAP"

Task 1: Notice to Proceed

Our services start within one week (or sooner, if requested) of an authorization to proceed from the LPA.

Task 2: Kick-off Meeting

Santacruz Associates will meet with the LPA and/or Consultant to discuss the Project, identify issues and develop any necessary strategies to assure the timely completion of the Project. At that time, we will identify the subconsultants that shall be assigned to the Project to perform the appraisal and review appraisal functions.

Task 3: Delivery and Review of Project Information

The LPA or Consultant will provide Santacruz Associates with plats of highway, legal descriptions, the most recent title commitments and any other pertinent information regarding the property owner for each parcel assigned for acquisition. In addition, the LPA or Consultant will also provide us with a set of project plans, including, (i) plan and profile, (ii) drainage and utilities, (iii) pavement markings and (iv) cross sections.

Task 4: Introductory Notice to Owners

The assigned Appraiser will notify the property owner of the proposed taking and the beginning the valuation process of the property. The notice will invite the property owner to be present during the inspection by the appraiser.

Task 5: Appraisal / Waiver Valuation

All appraisal work shall be completed within the time frame provided by the LPA at the time the project is assigned.

The Appraiser will review the plat of highways and the construction plans to determine the type of appraisal to be used for each parcel. The Appraiser will recommend the type of appraisal, which type shall be approved by IDOT. The types of appraisals to be used are the following:

- Waiver Valuation
- Non-complex – damages less than \$5,000
- Complex

The Appraiser shall make a detailed inspection of the properties and make such investigations and studies as are consistent with industry standard and necessary to derive sound conclusions for the preparation of appraisal reports.

All appraisals shall be prepared using the forms as provided or outlined by IDOT's land acquisition division. Santacruz Associates shall furnish and

deliver four copies of the completed appraisal report for each parcel.

The Appraiser shall assist in analyzing and responding to valuation information provided by a property owner in support of a counter offer. At the request of the LPA or Consultant, Santacruz Associates will furnish and deliver updated or revised appraisals resulting from a revision to the right of way or for condemnation purposes. Such requests will be pursuant to a separate work order.

We understand that appearances in court and/or pretrial conferences, which may include depositions, and preparation for litigation or pre-trial conferences may be required by the LPA so that it may complete the acquisition of the property through condemnation. In such case, at the request of the LPA or its trial counsel, the Appraiser assigned to appraise the parcel shall make any such appearances or complete such preparation work in order to assist with this process. Such requests will be pursuant to a separate work order.

Task 6: Review Appraisal

All appraisals will be reviewed by the Review Appraiser assuring that all items affecting the value of the property have been considered in the appraisal.

The Review Appraiser will complete the Right of Way Appraisal Review Certification (using the form designated by IDOT) and a copy will be attached to each appraisal delivered by Santacruz Associates.

At the request of the LPA or Consultant, Santacruz Associates will furnish and deliver updated or revised appraisals resulting from a revision to the right of way or for condemnation purposes. Such requests will be pursuant to a separate work order.

Task 7: Negotiation and Acquisition

All negotiations and acquisition services shall be provided by Santacruz Associates after approval by the LPA of the amount of just compensation to be offered to the property owner.

The Negotiator will not have any authority to determine administrative settlements. The Negotiator will consult with the LPA for approval of any counter offers and upon acceptance by the LPA of any such counter offer, Santacruz Associates will prepare the necessary documentation for administrative settlement.

Prior to the start of negotiations, the Negotiator will review the plats of highway and appraisals for each parcel before the start of negotiations with a property owner to understand the valuation and impact to the property. Santacruz Associates will also inspect the title commitment provided for each parcel to determine the liens and encumbrances that will need to be addressed in order to complete the acquisition process for the Authority. Santacruz Associates will direct any questions to the LPA or Consultant resulting from its review of the plans, plats, appraisals and title commitments so that Santacruz Associates is prepared for any issues raised by the property owner during negotiations.

Before contacting the owner of a parcel, Santacruz Associates will prepare and send the introductory letter to the property owner on the LPA's letterhead. This letter will provide a general statement of the Project, identify the property and the legal property owner, and briefly state the right of requirements necessary from the parcel. This letter shall also contain contact information for Santacruz Associates and a representative of the LPA.

Santacruz Associates will prepare an offer package for presentation to the owner at the first meeting. The offer package shall contain the Basis for Computing Total Approved Compensation and Offer to Purchase (in the format approved by IDOT), a copy of the plat of

highway with the acquisition areas highlighted and a copy of the legal descriptions of the parcels to be acquired. If, after repeated efforts to contact the property owner to schedule a meeting to present the offer, Santacruz Associates is unable to make contact with the property owner, or if the property owner is located out of town, or at the request of the property owner to have the offer package mailed, Santacruz Associates will send the offer package by certified mail so that a receipt of delivery can be established.

Santacruz Associates will personally contact the property owner a minimum of three times before making a determination that the acquisition of the parcel cannot be successfully negotiated. In most cases, Santacruz Associates will exceed the minimum number of contacts in an attempt to make all reasonable efforts to reach a settlement before recommending that the LPA commence condemnation proceedings. All contacts and efforts to make contact with the property owner shall be documented in the negotiator's report maintained by Santacruz Associates for each parcel.

If, during its discussions with the property owner, errors in the plans are discovered or the property owner requests design changes, Santacruz Associates will immediately notify LPA or Consultant with this information. At any time during negotiations for situations involving design changes, errors in plans or for any other reason, if requested by LPA or Consultant, Santacruz Associates will cease negotiations on certain parcels until corrected information or further instruction is provided to Santacruz Associates.

Upon successful negotiations with the property owner, Santacruz Associates will prepare all necessary conveyance documents in the forms provided by and approved by IDOT in order to complete the acquisition and obtain title approval for the property. Santacruz Associates will submit the completed parcel file with original conveyance documents, any documents necessary for title clearance, the Negotiator's Log

documenting all negotiation activities, copies of all correspondence with the property owner, title commitments, plats, and all other documentation as required by the LPA.

In the event that Santacruz Associates, after having made every reasonable effort to contact and negotiate with the owner of a parcel, is unable to obtain a settlement on the approved appraisal amount, Santacruz Associates shall prepare and submit to the LPA a completed parcel file with its recommendation to acquire the parcel by means of condemnation. In addition, the file will include the Negotiator's Log, copies of all correspondence with the property owner, title commitments, plats, and all other documentation as required by the LPA.

We understand that appearances in court and/or pretrial conferences, which may include depositions, and preparation for litigation or pretrial conferences may be required by the LPA so that it may complete the acquisition of the property through condemnation. In such case, at the request of the LPA or its trial counsel, the Review Appraiser assigned to appraise the parcel shall make any such appearances or complete such preparation work in order to assist with this process. Such requests will be pursuant to a separate work order.

PERSONNEL

The experience and talent of the right of way professionals that make up the team for Santacruz Associates will, to a large extent, be the basis for the success of keeping this Project on-time and within budget. J. Steve Santacruz brings nearly twenty years of right of way acquisition experience to lead this team as its project manager. Steve has worked on thousands of acquisition parcels for ISTHA, IDOT, Cook, Kane, Lake, and Will Counties. He has also worked for numerous township and municipalities. Steve has a reputation in the right of community of being able to handle the most complex of land acquisition transactions.

The internal support team members for Santacruz Associates include Robin Weber, a real estate paralegal with over twenty years experience in closing residential and commercial real estate transactions, and Paolo Camacho-Ramirez, a civil engineer that is working towards her approval as a fee negotiator.

Each of our team members, including subconsultants, has relevant experience working collaboratively with professionals of other disciplines and other agencies. They understand the importance of effective coordination throughout the land acquisition process.

PRIOR EXPERIENCE

Santacruz Associates was founded in 1992 and has grown to be one of the most dependable right of way negotiation firms in IDOT's District 1. Since it opened, Santacruz Associates has been providing comprehensive right of way solutions, including negotiation activities and the coordination of the valuations of parcels for various public agencies. Having developed its own proprietary database overlay, we have developed great efficiencies that allow us to handle hundreds of parcels at one time keeping deadlines organized for each of our different clients.

Our team brings an array of services and broad disciplines in real estate which give us a distinct advantage in handling even the most complex of your land acquisition projects. In addition, our team of subconsultants are not new to each other as we have collaborated together on various other projects.

Our team has delivered real estate solutions for its public agencies balancing risk management and letting dates on some of the largest and most intricate projects in the State.

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EXHIBITS

a. Pricing Schedule

Compensation for Services

Parcel	Appraisals	Review Appraisals	Negotiations
001	\$3,000	\$1,200	\$2,200
002	\$1,700	\$800	\$2,200
003	\$1,700	\$800	\$2,200
004	\$1,700	\$800	\$2,200
005/006	\$3,000	\$1,200	\$2,200
Total	\$11,100	\$4,800	\$11,000

Witness Services

Rate for each ½ day in pretrial conference or in court for Negotiator	\$1,000.00
Rate for each ½ day in pretrial conference or in court for Appraiser	\$1,000.00
Hourly rate for consultation not otherwise specifically provided for herein	\$250.00

Title Services (if applicable)

Later date commitment	\$50.00
+ Administrative fee	\$25.00
Title insurance policies	\$75.00
+ Additional costs of	\$3.50 per thousand
+ Administrative fee	\$25.00
Recording of Documents – In addition to actual recording costs	
+ Administrative fee	\$25.00
Copies of recorded documents – In addition to actual copying costs	
+ Research fee	\$50.00
+ Administrative fee	\$25.00