


Local Agency Lake County Division of Transportation	 Illinois Department of Transportation	C O N S U L T A N T	Consultant Strand Associates, inc.
County Lake			Address 1170 South Houbolt Road
Section 02-00076-13-CH	Preliminary Engineering Services Agreement For Federal Participation Supplement No. 1 STA Funding	L O C A L A G E N C Y	City Joliet
Project No. CMM-8003 (472)			State Illinois
Job No. D-91-114-05			Zip Code 60431
Contact Name/Phone/E-mail Address Rich McMorris 847-377-7400 rmcmorris@lakecountyil.gov			Contact Name/Phone/E-mail Address Darcie Gabrisko, P.E. darcie.gabrisko@strand.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 Hunt Club Road Route FAU 2661 Length 3,860 Structure No. N/A

Termini Millburn Road to Wadsworth Road

Description Phase II study for the design of two new roundabouts along Hunt Club Road at the intersections with Millburn Road and Wadsworth Road. The roundabouts will replace the existing "T" intersections at these locations. The segment of roadway between Millburn Road and Wadsworth Road will be widened for bicycles and overlaid.

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 project meetings and visit the site of the proposed improvement at any reasonable time when requested by representatives of the LA or STATE.
3. To complete the services herein described within 360 calendar days from the date of the Notice to Proceed from the LA, excluding from consideration periods of delay caused by circumstances beyond the control of the ENGINEER.
A revised project schedule is included titled EXHIBIT C.
4. The classifications of the employees used in the work these services 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 these services and shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of work services 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 services 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.
13. Scope of Services to be provided by the ENGINEER: **(Supplement Scope Clarification is provided in EXHIBIT B)**
- 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, and 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 project 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: **Total supplement shall not exceed \$59,105.65 as clarified in EXHIBIT A.**

Cost Plus Fixed Fee

- CPFF = 14.5%[DL + R(DL) + OH(DL) + IHDC]
 CPFF = 14.5%[DL + R(DL) + 1.4(DL) + IHDC], or
 CPFF = 14.5%[(2.3 + R)DL + IHDC]

Where: DL = Direct Labor

IHDC = In House Direct Costs

OH = Consultant Firm's Actual Overhead Factor

R = Complexity Factor

Specific Rate (Pay per element)

Lump Sum

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

With Retainage

- a) **For the first 50% of completed work services**, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work-services performed shall be due and payable to the ENGINEER, such payments to be equal to 90% of the value of the partially completed work-services minus all previous partial payments made to the ENGINEER.
- b) **After 50% of the work services are completed**, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments covering work services performed shall be due and payable to the ENGINEER, such payments to be equal to 95% of the value of the partially completed work services minus all previous partial payments made to the ENGINEER.
- c) **Final Payment** – Upon approval of the work services by the LA but not later than 60 days after the work services are 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 MUTUALLY AGREED,

1. That no work services 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 services 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.
 - (4) 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.
 - (5) 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.
 - (6) 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.
 - (7) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by, 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.
 - (8) 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
Strand Associates, Inc.			\$59,105.65
Sub-Consultants:		TIN Number	Agreement Amount
Sub-Consultant Total:			\$59,105.65
Prime Consultant Total:			\$59,105.65
Total for all Work Services:			\$59,105.65

Executed by the LA:

Lake County
(County)

ATTEST:

By: _____
Lake County Clerk

By: _____
Title: _____

(SEAL)

Recommended for Execution by:

Director of Transportation/County Engineer-Lake County

Executed by the ENGINEER:

ATTEST:

By: Matthew Reichel
Title: Corporate Secretary

By: [Signature]
Title: President

EXHIBIT A

**COST PLUS FIXED FEE
COST ESTIMATE OF CONSULTANT SERVICES**

FIRM PSB PRIME/SUPPLEMENT
 Strand Associates, Inc. Supplement
 OVERHEAD RATE COMPLEXITY FACTOR
 1.8016 0
 DATE 09/01/09
 REV 12/04
 DF-824-039

DBE DROP BOX	ITEM	(A) MANHOURS	(B) PAYROLL	(C) OVERHEAD & FRINGE BENEF COSTS	(D) DIRECT IN-HOUSE COSTS	(E) FIXED FEE	(F) Outside Direct Costs	(G) BY OTHERS	(H) DBE TOTAL	(I) GRAND TOTAL	% OF GRAND TOTAL
	ADMINISTRATION	52	1,879.48	3,386.07	72.00	73.94	50.00			6,161.49	10.42%
	MEETINGS	27	869.16	1,565.88	40.08	358.89	231.86			3,065.88	5.19%
	REVISE DESIGN AT WADSWORTH ROUNDABOUT	198	6,626.85	10,137.33	2,167.20	2,800.05	104.30			20,635.72	34.91%
	MILLBURN ROUNDABOUT	21	590.34	1,063.56	426.00	301.59	0.00			2,381.49	4.03%
	FREE SURVEY	56	1,651.59	2,975.50	342.00	720.52	166.65			5,856.25	9.91%
	UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING	22	755.25	1,360.65	363.60	359.53	100.00			2,939.03	4.97%
	QA/QC FOR WADSWORTH ROUNDABOUT	16	711.75	1,282.30	18.72	291.85	0.00			2,304.62	3.90%
	CHANGES & INVESTIGATIONS	106	3,076.98	5,543.49	381.12	1,305.23	0.00			10,306.81	17.44%
	STREET LIGHTING DESIGN	48	1,479.91	2,666.20	617.52	690.73	0.00			5,454.35	9.23%
	REVISE SIMPSON DRIVEWAY										
	Subconsultant DL										
	TOTALS	546	16,641.30	29,980.97	4,428.24	7,402.32	652.81	0.00	0.00	59,105.65	100.00%

PREPARED BY THE AGREEMENTS UNIT

AVERAGE HOURLY PROJECT RATES

Strand Associates, Inc.

FIRM
PSB

PRIME/SUPPLEMENT

Supplement

DATE 09/01/09

SHEET

1 OF 2

PAYROLL	CLASSIFICATION	AVG		TOTAL PROJECT RATES		ADMINISTRATION		MEETINGS		REVISE DESIGN AT WADSWORTH		MILLBURN ROUNDABOUT		TREE SURVEY						
		Hours	Wgtd %	Hours	Wgtd %	Hours	Wgtd %	Hours	Wgtd %	Hours	Wgtd %	Hours	Wgtd %	Hours	Wgtd %					
PRINCIPAL	66.14	2	0.37%	0	0.24	0	0	0	0	0	0	0	0	0	0					
PROJECT MANAGER	44.48	138	25.27%	34	11.24	34	65.38%	29.09	9	33.33%	14.83	30	15.15%	6.74	3	14.29%	6.35	10	17.86%	7.94
PROJECT ENGINEER	27.36	208	38.10%	10	42	0	0	0	13	48.15%	13.17	74	37.37%	10.22	7	33.33%	9.12	30	53.57%	14.66
TECHNICIAN	24.13	172	31.50%	7	60	0	0	0	3	11.11%	2.68	94	47.47%	11.45	11	52.38%	12.64	16	28.57%	6.89
CLERICAL	20.39	26	4.76%	18	0.97	18	34.62%	7.06	2	7.41%	1.51	0	0	0	0	0	0	0	0	0
TOTALS		546	100%	\$30.48	52	100.00%	\$36.14	27	100%	\$32.19	198	100%	\$28.42	21	100%	\$28.11	56	100%	\$29.49	

AVERAGE HOURLY PROJECT RATES

FIRM Strand Associates, Inc.
PSB
PRIME/SUPPLEMENT Supplement

DATE 09/01/09

SHEET 2 **OF** 2

PAYROLL	CLASSIFICATION	AVG HOURLY RATES			UPDATE PLANS & SPECIAL P			QA/QC FOR WADSWORTH RD			STREET LIGHTING DESIGN			REVISE SIMPSON DRIVEWAY		
		Hours	Part.	Wgtd Avg	Hours	Part.	Wgtd Avg	Hours	Part.	Wgtd Avg	Hours	Part.	Wgtd Avg	Hours	Part.	Wgtd Avg
	PRINCIPAL	66.14	9.09%	6.01	0		0									
	PROJECT MANAGER	44.48	36.36%	16.18	16	100.00%	44.48	16	15.09%	6.71	12	25.00%	11.12			
	PROJECT ENGINEER	27.36			0			60	56.60%	15.49	24	50.00%	13.68			
	TECHNICIAN	24.13	27.27%	6.58	0			30	28.30%	6.83	12	25.00%	6.03			
	CLERICAL	20.39	27.27%	5.56	6			0			0					
TOTALS					22	100%	\$34.33	16	100%	\$44.48	106	100%	\$29.03	48	100%	\$30.83

PAYROLL RATES

FIRM NAME
PRIME/SUPPLEMENT
PSB NO.

Strand Associates, Inc. DATE
Supplement

09/01/09

ESCALATION FACTOR 1.29%

CLASSIFICATION	CURRENT RATE	CALCULATED RATE
PRINCIPAL	\$65.30	\$66.14
PROJECT MANAGER	\$43.92	\$44.48
PROJECT ENGINEER	\$27.01	\$27.36
TECHNICIAN	\$23.82	\$24.13
CLERICAL	\$20.13	\$20.39

**PAYROLL ESCALATION TABLE
FIXED RAISES**

DATE 09/01/09
PTB NO. _____
OVERHEAD RATE _____
COMPLEXITY FACTOR _____
% OF RAISE 3.00%
180.16%

FIRM NAME
PRIME/SUPPLEMENT
Stand Associates, Inc.
Supplement

CONTRACT TERM
START DATE
RAISE DATE

MONTHS 21
7/1/2008
6/30/2009

ESCALATION PER YEAR

7/1/2008 - 6/30/2009	12	57.14%	=	1.0129
7/1/2009 - 3/31/2010	9	44.14%	=	
	21			
				1.29%

The total escalation for this project would be:

EXHIBIT A - SUPPLEMENT EXPENSES

Route: FAU 2661 / Hunt Club Road; Millburn Road to Wadsworth Road
 Section No.: 02-00078-13-CH
 Project No.: CMH-8003 (472)
 Job No.: D-91-14-05
 198 of Funding: STA
 Essing Structure No.: N/A

Category	Description	# of Copies	Rate	Total In House	Total Out House	Comments	
XEROX	I. ADMINISTRATION	600	\$0.12	\$72.00			
	II. MEETINGS						
	III. REVISE DESIGN AT WADSWORTH ROUNDABOUT	100	\$0.12	\$12.00			
	IV. MILLBURN ROUNDABOUT	50	\$0.12	\$6.00			
	V. TREE SURVEY	50	\$0.12	\$6.00			
	VI. UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING	400	\$0.12	\$48.00			
	VII. OADCC FOR WADSWORTH ROUNDABOUT CHANGES & INVESTIGATIONS	30	\$0.12	\$3.60			
	VIII. STREET LIGHTING DESIGN	50	\$0.12	\$6.00			
	IV. REVISE SIMPSON DRIVEWAY	20	\$0.12	\$2.40			
	SUBTOTAL		1300		\$196.80		

Category	Description	# of Hours	Rate	Total In House	Total Out House	Comments	
CAAD	I. ADMINISTRATION	2	\$15.00	\$30.00			
	II. MEETINGS						
	III. REVISE DESIGN AT WADSWORTH ROUNDABOUT	142	\$15.00	\$2,130.00			
	IV. MILLBURN ROUNDABOUT	28	\$15.00	\$420.00			
	V. TREE SURVEY	20	\$15.00	\$300.00			
	VI. UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING	16	\$15.00	\$240.00			
	VII. OADCC FOR WADSWORTH ROUNDABOUT CHANGES & INVESTIGATIONS						
	VIII. STREET LIGHTING DESIGN	24	\$15.00	\$360.00			
	IV. REVISE SIMPSON DRIVEWAY	40	\$15.00	\$600.00			
	SUBTOTAL		272		\$4,080.00		

Category	Description	# of Hours	Rate	Total In House	Total Out House	Comments	
POSTAGE	I. ADMINISTRATION						
	II. MEETINGS						
	III. REVISE DESIGN AT WADSWORTH ROUNDABOUT						
	IV. MILLBURN ROUNDABOUT						
	V. TREE SURVEY						
	VI. UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING						
	VII. OADCC FOR WADSWORTH ROUNDABOUT CHANGES & INVESTIGATIONS						
	VIII. STREET LIGHTING DESIGN						
	IV. REVISE SIMPSON DRIVEWAY						
	SUBTOTAL					\$150.00	

EXHIBIT A - SUPPLEMENT EXPENSES

Route: FAJ 2861 / Hunt Club Road; Millburn Road to Wadsworth Road
 Section No.: 02-0007-B-19-CH
 Project No.: GM-8003 (472)
 Job No.: D-9-1-14-95
 Type of Funding: STA

ITEM AND PROCESSING	Description	# of Hours	Rate	Total In House	Total Out House	Comments
	I. ADMINISTRATION					
	II. MEETINGS					
	III. REVERSE DESIGN AT WADSWORTH ROUNDABOUT					
	IV. MILLBURN ROUNDABOUT					
	V. TREE SURVEY					
	VI. UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING					
	VII. QAOQC FOR WADSWORTH ROUNDABOUT CHANGES & INVESTIGATIONS					
	VIII. STREET LIGHTING DESIGN					
	IV. REVERSE SIMPSON DRIVEWAY					
SUBTOTAL				\$30.00	\$30.00	

XEROX 2 (Color Copies)	Description	# of Copies	Rate	Total In House	Total Out House	Comments
	I. ADMINISTRATION					
	II. MEETINGS					
	III. REVERSE DESIGN AT WADSWORTH ROUNDABOUT					
	IV. MILLBURN ROUNDABOUT					
	V. TREE SURVEY					
	VI. UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING					
	VII. QAOQC FOR WADSWORTH ROUNDABOUT CHANGES & INVESTIGATIONS					
	VIII. STREET LIGHTING DESIGN					
	IV. REVERSE SIMPSON DRIVEWAY					
	IX. COLOR PLAN SHEETS NEEDED	36	\$1.00		\$36.00	
SUBTOTAL					\$36.00	

MILEAGE	Description (Miles (one-way))	Miles	Rate	Total In House	Total Out House	Comments
	I. ADMINISTRATION					
	II. MEETINGS					
	III. REVERSE DESIGN AT WADSWORTH ROUNDABOUT					
	IV. MILLBURN ROUNDABOUT					
	IV X 21 X 61M, IV X 21 X 115M	452	\$0.505		\$228.26	1 Meeting w/ CDOT
	IV X 21 X 70M	140	\$0.505		\$70.70	TOPS SURVEY of Lipman Farm
	IV X 21 X 115M	330	\$0.505		\$166.65	TP to site
	VI. UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING					
	VII. QAOQC FOR WADSWORTH ROUNDABOUT CHANGES & INVESTIGATIONS					
	VIII. STREET LIGHTING DESIGN					
	IV. REVERSE SIMPSON DRIVEWAY					
SUBTOTAL		922			\$465.61	

EXHIBIT A - SUPPLEMENT EXPENSES

Route: FAU 2061 / Hunt Club Road to Wadsworth Road; Millburn Road to Wadsworth Road
 Section No. 02-00076-13-CH
 Project No. CM-8003 (472)
 Job No.: D-91-114-05
 Type of Funding: STA

TOLLS		Description Vehicle, Trip(s) (one way), Plaza		# of Tolls	Rate	Total In House	Total Out House	Comments
I. ADMINISTRATION								
II. MEETINGS								
III. REVERSE DESIGN AT WADSWORTH ROUNDABOUT		1V X 2T		2	\$1.80	\$3.60		
IV. MILLBURN ROUNDABOUT		1V X 2T		2	\$1.80	\$3.60		
V. TREE SURVEY								
VI. UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING								
VII. QADOC FOR WADSWORTH ROUNDABOUT CHANGES & INVESTIGATIONS								
VIII. STREET LIGHTING DESIGN								
IX. REVERSE SMPSON DRIVEWAY								
SUBTOTAL				4		\$7.20		Cenmak Rd. plaza 79 = \$0.00 1-355 toll plaza - Bounnon Rd. & Arroyo Wall = \$4.00 ea
PRINTS/COPES		Description		Total Area (sq ft)	Rate	Total In House	Total Out House	Comments
I. ADMINISTRATION								
II. MEETINGS								
III. REVERSE DESIGN AT WADSWORTH ROUNDABOUT		4 1/2 size print (22" X 34")		24	\$0.42	\$10.08		
IV. MILLBURN ROUNDABOUT		10 1/2 size print (22" X 34")		60	\$0.42	\$25.20		
V. TREE SURVEY								
VI. UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING		30 1/2 size print (22" X 34")		180	\$0.42	\$75.60		
VII. QADOC FOR WADSWORTH ROUNDABOUT CHANGES & INVESTIGATIONS		6 1/2 size print (22" X 34")		36	\$0.42	\$15.12		Plan Set 100T Highway & Design 1 Sds
VIII. STREET LIGHTING DESIGN		8 1/2 size print (22" X 34")		36	\$0.42	\$15.12		
IX. REVERSE SMPSON DRIVEWAY		8 1/2 size print (22" X 34")		36	\$0.42	\$15.12		
SUBTOTAL				372		\$156.24		
SUMMARY		Description		# of Copies	Rate	Total In House	Total Out House	Comments
I. ADMINISTRATION								
II. MEETINGS								
III. REVERSE DESIGN AT WADSWORTH ROUNDABOUT						\$72.00	\$50.00	
IV. MILLBURN ROUNDABOUT						\$24.00	\$231.88	
V. TREE SURVEY						\$426.00	\$104.30	
VI. UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING						\$342.00	\$168.83	
VII. QADOC FOR WADSWORTH ROUNDABOUT CHANGES & INVESTIGATIONS						\$18.00	\$100.00	
VIII. STREET LIGHTING DESIGN						\$36.00	\$0.00	
IX. REVERSE SMPSON DRIVEWAY						\$36.00	\$0.00	
SUBTOTAL						\$4428.24	\$652.81	

EXHIBIT B

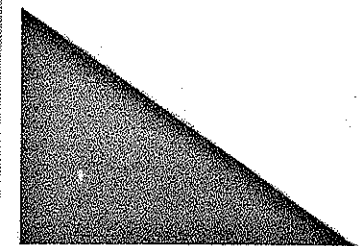


EXHIBIT B

SCOPE CLARIFICATIONS – PHASE II ENGINEERING SERVICES – SUPPLEMENT

CONSULTANT: STRAND ASSOCIATES, INC.
FAU ROUTE: 2661 / HUNT CLUB ROAD
SECTION NO: 02-00076-13-CH
PROJECT NO: CMM-8003 (472)
JOB NO: D-91-114-05
COUNTY: Lake
TYPE OF FUNDS: STA
EX. STR. NO.: N/A
LA CONTACT: Mr. Richard McMorris, P.E.

The circumstances which necessitate this supplement were not foreseeable at the time the Agreement was signed.

1. Administration
 - a. Administration hours shall be used to track each project schedule, budget, and task completion by the project managers.
 - b. IDOT invoices and progress reports will be completed.
2. Meetings
 - a. Internal project team meetings.
 - b. Attend a maximum of 1 meeting in LCDOT's office to discuss street lighting and landscaping.
3. Revise Design at the Wadsworth Roundabout
 - a. Review alternative roadway profiles and implement changes to reduce right-of-way (ROW) impacts.
 - b. Review three alternative roadway side treatments at northeast corner and attempt to reduce ROW impacts including no sidewalk and a retaining wall with ornamental fence, 5-foot wide sidewalk, and 6 1/2-foot sidewalk with retaining wall and ornamental fence. Further review two alternatives for improvement ideas in the northeast corner, which include the following; 6 1/2-foot sidewalk with retaining wall and ornamental fence and 5-foot-wide sidewalk.
 - c. Prepare four ROW exhibits.
 - d. Prepare cross sections and typical sections for each alternative and present to LCDOT.
 - e. Review alternative roadside drainage methods in northeast corner and attempt to reduce ROW impacts. This includes updating the design for additional curb and gutter and storm sewer.
 - f. Perform one day survey of off-site areas for the alternative roadside drainage.

4. Revise ROW at the Millburn Roundabout

- a. Prepare ROW exhibits to present to each of affected property owners.
- b. Revise proposed ROW in the southwest corner of the roundabout to permanent and temporary easements.
- c. Design storm sewer system in parkway at southeast corner to review reduced ROW impacts.
- d. Reduce project construction limits on Simpson Driveway by adjusting the roadway profile to avoid replacement and upsizing of two 36" culverts.

5. Tree Survey & Report

- a. Perform Tree Survey for approximately 250 trees by Ecologist/Certified Arborist.
- b. Download and compile survey data, prepare and complete tables.
- c. Review impacts to existing trees and mitigate as necessary.

6. Update Plans & Special Provisions for 2010 Letting

- a. Update IDOT Highway and District One Standards and IDOT Special Provisions as directed by IDOT.

7. QA/QC

- a. Perform QA/QC reviews for roadway and drainage of proposed alternatives at the Wadsworth Roundabout.

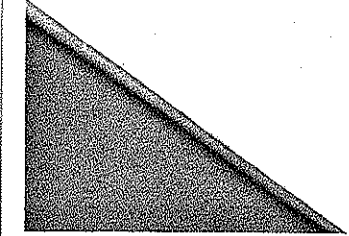
8. Street Lighting Design

- a. Prepare several options for street lighting ornamental luminaires, fixtures, arms, and poles.
- b. Prepare two preliminary street lighting layouts based upon LCDOT's street lighting component selections.
- c. Design street lighting that uses ornamental luminaires, fixtures, arms, and poles.

9. Revise Simpson Drive

- a. Adjust the driveway profile to shorten the limits to avoid the existing electric gate and remove depressed curb and gutter.
- b. Revise plans and drainage report to reflect the revisions.

EXHIBIT C



SUPPLEMENTAL MANHOURS

Route: FAU 2661 / Hunt Club Road; Millburn Road to Windsworth Road
 Section No.: 02-00076-19-CH
 Project No. CMAA-5003 (472)
 Job No.: D-91-114-05
 Type of Funding: STA
 Existing Structure No.: N/A

NOTES	P	PM	PE	TECH	SEC	PROJECT
I. ADMINISTRATION						
PROJECT MANAGEMENT		10				10
INVOICE PREPARATION		16			12	28
PROGRESS REPORTS		8			6	14
SUBTOTAL	0	34	0	0	18	52
II. MEETINGS						
PROJECT TEAM MEETINGS		3	3	3		9
MEETING W/ALDOT FOR STREET LIGHTING & LANDSCAPING		6	10		2	18
SUBTOTAL	0	9	13	3	2	27
III. REVISE DESIGN AT WADSWORTH ROUNDABOUT						
INVESTIGATE ALTERNATIVE ROADWAY PROFILES & IMPLEMENT		4	40	40		84
INVESTIGATE 3 ALTERNATIVE ROAD SIDE TREATMENTS AT NE CORNER		4	16	10		30
PROVIDE EXHIBITS FOR ROW, TYPICAL SECTIONS, & X-SECTIONS		20		30		50
INVESTIGATE ALTERNATIVE ROADSIDE DRAINAGE METHODS		2	10	4		16
TOPOGRAPHIC SURVEY OFF SITE AT UPRIZAN FARM		8	8	10		18
SUBTOTAL	0	30	74	84	0	198
IV. REVISE ROW AT MILLBURN ROUNDABOUT						
PREPARE ROW EXHIBITS FOR MILLBURN						
CHANGE ROW TAKINGS TO PERMANENT & TEMPORARY EASEMENTS		2		4		6
DESIGN STORM SEWER SYSTEM IN SE CORNER TO REDUCE ROW IMPACTS						
REDUCE PROJECT CONSTRUCTION LIMITS ON SIMPSON DRIVEWAY		1	4	4		9
SUBTOTAL	0	3	7	11	0	21
V. TREE SURVEY & REPORT						
PREPARATION FOR & PERFORM TREE SURVEY						
DOWNLOAD SURVEY DATA, PREPARE AND COMPLETE TABLES		4	16	4		24
REVIEW WILDLANDSCAPE ARCHITECT TREES NECESSARY FOR REMOVAL		2	6	10		18
SUBTOTAL	0	10	30	16	0	56
VI. UPDATE PLANS & SPECIAL PROVISIONS FOR 2010 LETTING						
UPDATE PLANS	1	4		6	4	15
UPDATE SPECIAL PROVISIONS	1	4		2	7	14
SUBTOTAL	2	8	0	6	6	22
VII. QA/QC FOR WADSWORTH ROUNDABOUT CHANGES & INVESTIGATIONS						
ROADWAY QA/QC						
DRAINAGE QA/QC						
SUBTOTAL	0	0	16	0	0	16
VIII. STREET LIGHTING DESIGN						
ADDITIONAL COORDINATION ON ORNAMENTAL STREET LIGHTING OPTIONS DESIGN		4	4	4		12
SUBTOTAL	0	12	56	26		94
SUBTOTAL	0	16	60	30	0	106

SUPPLEMENTAL MANHOURS

Route: FAU 2661 / Hunt Club Road: Millburn Road to Wadsworth Road
 Section No.: 02-00076-13-CH
 Project No. CMM-9003 (472)
 Job No.: D-91-114-05
 Type of Funding: STA
 Existing Structure No.: N/A

NOTES	P	PM	PE	TECH	SEC	PROJECT
IV. REVISE SIMPSON DRIVEWAY						
REVISE ROADWAY PROFILE		4	4			8
REVISE DRAINAGE		2	20			22
REVISE PLANS		6		12		18
SUBTOTAL	0	12	24	12	0	48
*****MAN-HOUR TOTALS	2	122	224	172	26	546

AVERAGE HOURLY RATE RANGES BY EMPLOYEE CLASSIFICATION

Route: FAU 2661 / Hunt Club Road: Millburn Road to Wadsworth Road

Section No.: 02-00076-13-CH

Project No. CMM-8003 (472)

Job No.: D-91-114-05

Type of Funding: STA

Existing Structure No.: N/A

Classification	Hourly Rate Range	
PRINCIPAL	Ranges From \$48.43	to \$108.75
PROJECT MANAGER	Ranges From \$30.61	to \$64.38
PROJECT ENGINEER	Ranges From \$19.50	to \$52.62
TECHNICIAN	Ranges From \$13.64	to \$40.26
CLERICAL	Ranges From \$13.53	to \$40.00

EXHIBIT C - PROJECT SCHEDULE

Route: FAU 2661 / Hunt Club Road: Milburn Road to Wadsworth Road
 Section No.: 02-00076-13-CH
 Project No.: CMM-8003 (472)
 Job No.: D-91-114-05
 Type of Funding: STA
 Existing Structure No.: NA

TASK	2008												2009												2010
	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	MARCH						
I. ADMINISTRATION																									
PROJECT MANAGEMENT																									
INVOICE PREPARATION																									
PROGRESS REPORTS																									
II. MEETINGS																									
KICK-OFF MEETING WITH IDOT																									
PLAN REVIEW W/IDOT																									
PLAN REVIEW W/LAKE COUNTY																									
PRE-APPLICATION MEETING W/LCSMC																									
III. DATA COLLECTION																									
IV. PICK-UP TOPOGRAPHIC SURVEY																									
PICK-UP SURVEY																									
DOWNLOAD SURVEY																									
V. PERMITTING & AGENCY COORDINATION																									
DOT																									
LAKE COUNTY - TRANSPORTATION & SMC																									
ACOE REGIONAL PERMIT																									
LCSMC WETLANDS PERMIT																									
IEPA SWPPP & NPDES PERMIT																									
VI. UTILITY COORDINATION																									
PREPARE AND SUBMIT PLANS																									
COMED COORDINATION																									
VII. DRAINAGE DESIGN																									
STORM SEWER DESIGN																									
DITCH GRADING DESIGN																									
VIII. STREET LIGHTING DESIGN																									
IX. ROW & EASEMENT ACQUISITION																									
SUB-CONSULTANT COORDINATION & PLANS																									
X. PAVEMENT DESIGN																									
XI. PRELIMINARY PLANS																									
TITLE SHEET																									
GENERAL NOTES																									
SUMMARY OF QUANTITIES																									
TYPICAL SECTIONS																									
SCHEDULE OF QUANTITIES																									
ALIGNMENT, TIES AND BENCHMARKS																									
ROADWAY PLAN & PROFILE SHEETS																									
MAINTENANCE OF TRAFFIC & EMERGENCY ACCESS SHEETS																									
DETOUR PLANS																									
TEMPORARY EROSION AND SEDIMENT CONTROL SHEETS																									
PERMANENT EROSION AND SEDIMENT CONTROL SHEETS																									
TEMPORARY EROSION AND SEDIMENT CONTROL SHEETS																									
DRAINAGE AND STREET LIGHTING SHEETS																									
INTERSECTION SHEETS																									
PERMANENT PAVEMENT MARKING AND SIGNING																									
CROSS SECTIONS																									
SPECIFIC DETAILS																									
STANDARD DETAILS																									
OPINION OF PROBABLE CONSTRUCTION COST																									
XII. SPECIAL PROVISIONS																									
XIII. PREFINAL PLANS																									
PREFINAL PLAN PREPARATION																									
OPINION OF PROBABLE CONSTRUCTION COST																									
QUANTITIES																									
XIV. FINAL PLANS																									
FINAL PLAN PREPARATION																									
ESTIMATE OF TIME																									
OPINION OF PROBABLE CONSTRUCTION COST																									
XV. BIDDING & LETTING COORDINATION																									
ASSIST IDOT W/PREPARATION																									
XVI. QA/QC																									
ROADWAY QA/QC																									
DRAINAGE QA/QC																									
STREET LIGHTING QA/QC																									
XVII. IDOT & LCDOT REVIEW																									
IDOT																									
LCDOT																									

Anticipated Project Milestones

July 1, 2008	Authority to proceed.
March 21, 2009	Submit Preliminary Plans to LCDOT.
October 16, 2009	Submit PreFinal Plans to IDOT and LCDOT.
December 14, 2009	Submit PS & E to IDOT and LCDOT.
March 5, 2010	Letting