

### Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 01, 2010

Kane County

Section

08-00389-00-TL

Project

CMM-9003(204)

Job No.

D-91-262-09

John A. Cunningham County Clerk 719 Batavia Ave. Geneva, IL. 60134

Dear Mr. Cunningham:

The agreement for preliminary engineering services, with Delcan Corporation, In the amount of \$395,750.66 (federal share, \$240,000.00) was approved by the department and authorized by the Federal Highway Administration effective March 12, 2010.

The county may authorize the consultant to proceed with the engineering work called for in the agreement.

Your file copy of the approved engineering agreement is attached. If you have any questions contact Mr. Hameed, (217)785-1675.

Sincerely,

Darrell W. Lewis, P. E.

Acting Engineer of Local Roads and Streets

anell W. Lewis.

Cc-

Diane O'Keefe Attn: Chris Holt Carl Schoedel, County Engineer

Delcan Corporation

Joanne Woodworth, Project Control

Local Agency	T		Τ	Consultant
Eddai / igsnoy	L	( Illinois Department		
Kane County DOT	0	of Transportation	C	Delcan Corporation
County	C		0	Address
Kane	A		N	650 E. Algonquin Road, Suite 104
Section			s	City
08-00389-00-TL			U	Schaumburg
Project No.		Preliminary Engineering	1	State
CMM-9003(204)	A	Services Agreement	_ _	IL
Job No.	G	For	T	Zip Code
D-91-262-09	E	Federal Participation	Α	60173
Contact Name/Phone/E-mail Address	N		N	Contact Name/Phone/E-mail Address
Tom Szabo	C	PURCHASE ORDER #2009-	T	Doug Brazelton
630-208-3139	Y	2639		847-925-0120
szabotom@co.kane.il.us				d.brazelton@delcan.com
Federal-aid funds allotted to the LA by the st (STATE) will be used entirely or in part to find	ate o ance	fillinois under the general supervision engineering services as described und	or tr der A	AGREEMENT PROVISIONS.
		Project Description		
Name Illinois 64 Interconnect and Arteria	Ops	Cnt Route IL 64/Burlington Leng	th	5.5 mi. Structure No. N/A
				300
Termini Illinois Route 64 – Randall Road t	o Bu	rlington Road and Burlington Road – Il	linoi	s 64 to KDOT Office
,				
Description Provide traffic signal interconnect	t ser	vices to bring the existing county Ethe	rnet	communications network back from Randall
Road to the LA's KDOT offices. Provide eng	ineeı	ing services to build and Arterial Opera	ation	s Center (AOC) at the KDOT offices and
develop an integration plan for system integr	ation	of the Intelligent Transportation System	m (l]	ΓS) infrastructure at the AOC. Optional task for
an AOC addition and ITS integration services	pen			- Control of the Cont
		Agreement Provisions		340
THE ENGINEED ACRES				
. 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 <u>550</u> 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 manhours 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.
- 3. That the ENGINEER will comply with applicable federal statutes, state of Illinois statutes, and local laws or ordinances of the LA.

The undersigned certifies neither the ENGINEER nor i have.

- 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.
- 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.
- 0. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LA.
- 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.
- 2. To submit BLR 05613, Engineering Payment Report, to the STATE upon completion of the project (Exhibit B).

Scop	pe 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.
$\boxtimes$	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.

u.		- LA AUNELU,		
1. 2.	To	ofurnish the ENGINEER  pay the ENGINEER as  lowing compensation fo	s compensa	ly available survey data and information tion for all services rendered in accordance with this AGREEMENT, on the basis of the
	Co	ost Plus Fixed Fee		= 14.5%[DL + R(DL) + OH(DL) + IHDC], or = 14.5%[DL + R(DL) + 1.4(DL) + IHDC], or = 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
	Spe	ecific Rate	☐ (Pay p	er element)
	Lür	mp Sum		
3.	То	pay the ENGINEER usi	ing one of th	ne following methods as required by 49 CFR part 26 and 605 ILCS 5/5-409:
	100000	With Retainage		
	a) b) c)	90% of the value of the After 50% of the worth the LA, monthly payment — Upo been made and accel	ne partially or the partially or the complements covering partially on approvaluated by the	work, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by work performed shall be due and payable to the ENGINEER, such payments to be equal to completed work minus all previous partial payments made to the ENGINEER.  eted, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by ng work performed shall be due and payable to the ENGINEER, such payments to be equal to completed work minus all previous partial payments made to the ENGINEER.  of the work by the LA but not later than 60 days after the work is completed and reports have LA and the STATE, a sum of money equal to the basic fee as determined in this amounts of partial payments previously paid to the ENGINEER shall be due and payable to
	<b>×</b>	Without Retainage		
	a) b)	of the partially comple Final Payment – Upo been made and accept	tied work min n approval of ted by the l	on receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, erformed shall be due and payable to the ENGINEER, such payments to be equal to the value nus all previous partial payments made to the ENGINEER.  of the work by the LA but not later than 60 days after the work is completed and reports have LA and STATE, a sum o money equal to the basic fee as determined in this AGREEMENT intial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.
	The rassis	recipient shall not discri	iminate on t	he basis of race, color, national origin or sex in the award and performance of any DOT-

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.).

### I. IT IS MUTALLY AGREED,

That no work shall be commenced by the ENGINEER prior to issuance by the LA of a written Notice to Proceed.

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.

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.

- 1. 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.
- 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.
- i. 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.
- 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.
- 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.
- 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.
- 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

	To the second se
Prime Consultant:	TIN Number Agreement Amount
elcan Corporation	36-3523452 395,750.66
ercan corporation	30-3323432   353,730.00
Sub-Consultants:	TIN Number Agreement Amount
A	
- AMERICAN AND AND AND AND AND AND AND AND AND A	
	Sub-Consultant Total:
	Prime Consultant Total: 395,750.66
	Total for all Work: 395,750.66
ecuted by the LA:	County of Kane (Municipality/Township/County)
John A. Cunningham, County Clerk	By: Hand Sound Board  Title: Chairman, County Board
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(SEAL)	<b>3</b>
* Vernander**	
ecuted by the ENGINEER:	
ecuted by the ENOINCER.	
	Delega Companition
TEST:	Delcan Corporation
d) [ ] ))	By: Charl Bul
	by. John sinks
Lester T. Yoshida, President	Title: Regional Vice President
	Trad. Tregional vice i resident

Route: IL 64 - Randall to Burlington and Burlington To KDOT Local Agency: Kane County

\*Firm's approved rates on file with IDOT'S

Bureau of Accounting and Auditing:

%

1.835 0.00

Overhead Rate (OH) Complexity Factor (R)

550

Calendar Days

(Municipality/Township/County) 08-00389-00-TL

CMM-9003(204) Section: Project:

D-91-262-09 Job No.:

Method of Compensation:

14.5%[DL + R(DL) + OH(DL) + IHDC] 14.5%[DL + R(DL) + 1.4(DL) + IHDC] Cost Plus Fixed Fee 2 Cost Plus Fixed Fee 3 Cost Plus Fixed Fee 1

14.5%[(2.3 + R)DL + IHDC]

Specific Rate Lump Sum Cost Estimate of Consultant's Services in Dollars

ment of Work         Employee         Man.         Payroll         Payroll         Poethead*         Services by Others         In-House (HDC)         Profit (HDC)           rice control of Work         Classification         1 0.00         2.580.00         4.725.65         7.117.00         1.933.29									The second secon	
&         Senior Mingmit.         37         70.000         2,590.000         4,722.65         7,117.00         1,933.29         3.59         1,717.00         1,933.29         3.59         1,717.00         1,933.29         3.59         1,717.00         1,933.29         3.59         1,717.00         1,933.29         3.59         1,717.00         1,933.29         3.59         1,717.00         1,933.39         3.59         1,717.00         1,71	Element of Work	Employee Classification	Man- Hours	Payroll Rate	Payroll Costs (DL)	Overhead*	Services by Others	In-House Direct Costs (IHDC)	Profit	Total
PS-5         191         56.39         10,70.49         19,763.85         9         37.481.3         37.481.3           PS-4         224         48.44         12,2841.6         2.541.43         9         4.274.89         4.274.89           PS-3         35.1         35.0         35.0         12,2841.6         2.541.43         9         4.240.89         4.240.89           PS-182         364         2.60         12,610.08         23.138.50         2.24.4         4.840.55         4.840.55           PS-182         364         17.50         32.04         32.04         32.04         32.04         32.04         4.880.55         4.880.55           Somior Mingmit.         10         56.39         0.32.04         1.27.45         1.22.40         1.24.13           PS-4         125         54.84         6.85.00         12.74.54         9.44         1.74.39         1.74.39           PS-4         125         54.84         6.85.00         1.27.45.45         9.44         1.74.39         1.74.39           PS-4         10         35.3         10.34.55         3.00.40         1.34.45         8.045.54         1.74.39         1.74.39           PS-4         10         35.3	PS&E interconnect &	Senior Mngmt.	37	70.00	2,590.00	4,752.65		7,117.00	1,933.29	16,392.94
PS-4         224         34.84         12.28416         25.6443         48.86.05         4.218.89         4.886.05	Arterial Ops Center	PS-5	191	56.39	10,770.49	19,763.85			3,748.13	34,282.47
PS-3         351         39.69         13.93119         25.563.73         4,848.05         4,848.05           1 PS-142         25.02         12.610.08         23.563.73         4,388.31         4,388.31           1 PS-142         36.40         17.55         17.50         32.125         1,966.08         1,966.08           1 PS-14         10         17.55         17.50         32.125         1,224.00         1,007         1,007           1 PS-1         100         16.39         6.39.00         10.347.57         1,224.00         1,007		PS-4	224	54.84	12,284.16	22,541.43			4,274.89	39,100,48
PS-182         504         25.02         12610.08         23189.50         4.388.31         4.388.31           TS-2         15.2         17.3         5,649.58         10.366.98         1.256.05         17.560         17.576<		PS-3	351	39.69	13,931.19	25,563.73			4,848.05	44,342.97
TS-2         326         17.33         5.649.58         10.366.98         10.366.98         10.366.05           Condracts/Admin         10         17.56         17.56.00         32.11.25         1.224.00         766.48           PS-5         50.00         1.766.00         1.736.00         1.278.93         1.224.00         766.48           PS-4         100         56.39         6.855.00         1.2745.45         1.224.00         786.48           PS-4         105         54.84         6.855.00         1.2745.45         1.224.00         7.86.23           PS-182         175         39.69         6.945.75         12.745.45         1.741.39         1.741.39           PS-182         200         25.02         5.004.00         9.182.34         612.00         941.34           PS-182         100         2450.00         12.745.45         612.00         941.34           PS-182         100         56.39         56.39.00         12.578.93         941.34           PS-182         150         39.69         5.985.00         12.578.93         941.34           PS-182         200         25.02         5.004.00         91.82.34         10.741.39           PS-182         175<		PS-1&2	504	25.02	12,610.08	23,139.50			4,388.31	40,137.89
Contracts/Admin         10         17.55         175.50         3.20.44         1.224.00         1.724.00         7.66.48           Senior Magmit.         25         7.00         1,760.00         1,276.00         1,276.00         2,217.25         1.66.23         1.77.13 <td< td=""><td></td><td>TS-2</td><td>326</td><td>17.33</td><td>5,649.58</td><td>10,366.98</td><td></td><td></td><td>1,966.05</td><td>17,982.61</td></td<>		TS-2	326	17.33	5,649.58	10,366.98			1,966.05	17,982.61
Senior Mngmtt         25         70.00         1,750.00         3,211.25         1024.00         768.48           PS-5         100         66.39         6.63.90         10,341.57         10,341.57         1,662.37           PS-3         175         54.84         6.855.00         12,745.45         6.236.54         1,741.39           PS-182         200         25.02         5,004.00         9,182.34         1,741.39         1,741.39           PS-182         200         25.02         5,004.00         9,182.34         1,741.39         1,741.39           Contracts/Admin         2         17.55         35.10         64.41         612.00         941.34           PS-5         100         2,450.00         4,495.75         612.00         941.34           PS-5         100         2,630         6,855.00         10,347.57         1,741.39           PS-4         1,50         36.63         6,855.00         10,247.67         1,741.39           PS-4         1,50         5,935.60         10,924.67         612.00         1,741.39           PS-3         1,50         5,935.60         10,924.67         1,741.39         1,741.39           PS-4         1,73         3,032.75 </td <td></td> <td>Contracts/Admin</td> <td>10</td> <td>17.55</td> <td>175.50</td> <td>322.04</td> <td></td> <td></td> <td>61.07</td> <td>558.61</td>		Contracts/Admin	10	17.55	175.50	322.04			61.07	558.61
PS-5         100         56.39         6.39.00         10.347.57         10.92.37         1.2578.93         1.2578.93         1.2578.93         1.2578.93         1.2578.93         1.2578.93         1.2578.93         1.2578.93         1.2578.93         1.2578.93         1.271.12         2.305.54         2.305.54         2.317.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         2.417.13         1.525.80         3.417.13         <	Integration Study &	Senior Mngmt.	25	70.00	1,750.00	3,211.25		1.224.00	786.48	6,971.73
PS-4         125         54.84         6,855.00         12,578.93         2.385.54           PS-3         175         39,89         6,945.75         12,745.45         2.477.12           PS-182         25.02         15,004.00         9,182.34         1,741.39           TS-182         25.02         17.33         4,945.75         1,741.39           TS-182         25.3         17.33         35.10         64.41         1,525.80           Contracts/Admin         2         1,55         35.10         10,347.57         612.00         941.34           PS-4         15         56.39         5,639.00         12,578.93         612.00         941.34           PS-4         15         56.39         5,639.00         12,578.93         612.00         941.34           PS-4         15         56.39         5,639.00         10,924.67         1,362.37         1,385.54           PS-182         200         25.02         5,004.00         9,182.34         1,741.39         1,741.39           TS-2         175         175         17.33         3,032.75         5,565.10         1,0924.67         1,092.40         1,092.467         1,092.40           TS-2         175         1	Functional Reamnts.	PS-5	100	56.39	5.639.00	10,347.57			1,962.37	17,948.94
PS-3         175         39.69         6.945.75         12.745.45         2.417.12           PS-1&2         200         25.02         5,004.00         9,182.34         1,713.39           TS-2         25.02         1,733         4,384.49         8,045.54         1,525.80           Isk-AOC         Senior Mingrit,         35         10.0         2,450.00         4,495.75         612.00         941.34           Ind TS         PS-5         100         56.39         5,639.00         10,347.57         612.00         941.34           PS-4         125         54.84         6,855.00         12,578.93         1,362.37         1,385.34           PS-3         150         39.69         5,953.50         10,924.67         1,0924.67         1,055.40           PS-1 &2         200         25.02         5,004.00         9,182.34         1,055.40         1,055.40           TS-2         175         17.33         3,032.75         5,565.10         1,055.40         1,055.40           TS-2         175         17.55         35.10         64.41         1,055.40         1,055.40           TS-2         17.55         26.02         5,004.00         9,182.30         1,055.40         1,055.40<		PS-4	125	54.84	6,855.00	12,578.93			2,385.54	21,819.47
PS-182         200         25.02         5,004.00         9,182.34         7,741.39           TS-2         25.3         17.33         4,384.49         8,045.54         7,558.0         1,741.39           Issk - AOC         Senior Mngmt.         35         17.55         35.10         64.41         70.00         2,450.00         4,495.75         612.00         941.34           Issk - AOC         Senior Mngmt.         35         70.00         2,450.00         4,495.75         612.00         941.34           PS-5         PS-5         100         56.39         5,639.00         10,347.57         612.00         941.34           PS-3         150         2,639.00         10,347.57         612.00         941.34         1,962.37           PS-3         150         39.69         5,935.60         10,924.67         7,00         2,043.67           PS-182         200         25.02         5,004.00         9,182.34         7,174.39         1,741.39           TS-2         17.5         17.5         35.04.00         9,182.34         9,182.34         1,054.00         1,054.00           TS-2         17.5         17.33         30.32.75         5,565.10         1,024.00         1,055.40 <t< td=""><td></td><td>PS-3</td><td>175</td><td>39.69</td><td>6,945.75</td><td>12,745.45</td><td></td><td></td><td>2,417,12</td><td>22,108.32</td></t<>		PS-3	175	39.69	6,945.75	12,745.45			2,417,12	22,108.32
TS-2         253         17.33         4,384.49         8,045.54         1,525.80         1,525.80           tisk - AOC         Senior Migmit.         2         17.55         35.10         64.41         12.21         12.21           tisk - AOC         Senior Migmit.         35         70.00         2,450.00         4,495.75         612.00         941.34           tisk - AOC         Senior Migmit.         35         70.00         2,450.00         10,347.57         612.00         941.34           tisk - AOC         PS-4         100         56.39         5,639.00         10,924.67         612.00         1,962.37           PS-3         150         39.69         5,953.50         10,924.67         9182.34         1,055.40           PS-1&2         200         25.02         5,004.00         9182.34         9185.40         1,055.40           TS-2         175         17.33         3,032.75         5,565.10         64.41         10,554.0         1,055.40           ssk-         Ps-5         56.39         281.95         317.38         317.38         10,49.64         10,49.64           ssk-         Ps-4         55.434         3,016.20         5,534.73         10,49.65.00         1,049.64 <td></td> <td>PS-1&amp;2</td> <td>200</td> <td>25.02</td> <td>5,004.00</td> <td>9,182.34</td> <td></td> <td></td> <td>1,741.39</td> <td>15,927.73</td>		PS-1&2	200	25.02	5,004.00	9,182.34			1,741.39	15,927.73
ssk-AOC         Senior Magmt.         2         17.55         35.10         64.41         12.21           isk-AOC         Senior Magmt.         35         70.00         2,450.00         4,495.75         612.00         941.34           id ITS         PS-5         100         56.39         5,639.00         10,347.57         612.00         941.34           PS-4         125         54.84         6,85.00         12,578.93         2,035.54         1,962.37           PS-182         200         25.02         5,004.00         9,182.34         1,741.39         2,071.82           PS-182         175         17.33         3,032.75         5,565.10         1,055.40         1,055.40           IS-2         175         17.33         35.10         64.41         10.0         1,049.64           ISS-4         56.39         281.95         517.38         612.00         10,49.64         10,49.64           ISS-4         55.634         3,016.20         5,534.73         9,565.00         43,457.29		TS-2	253	17.33	4,384.49	8,045.54			1,525.80	13,955.83
sek - AOC         Senior Mngmt.         35         70.00         2,450.00         4,495.75         612.00         941.34           rd ITS         PS-5         100         56.39         5,639.00         10,347.57         1,962.37         1,962.37           rd ITS         PS-4         125         54.84         6,855.00         12,578.93         2,738.54         1,962.37           PS-3         150         39.69         5,953.50         10,924.67         2,071.82         2,071.82           PS-182         200         25.02         5,004.00         9,182.34         .         1,741.39           TS-2         175         17.33         3,032.75         5,565.10         .         1,741.39           contracts/Admin         2         17.55         35.10         64.41         64.41         12.21           ssk-         PS-4         55.39         281.95         517.38         653.00         10,49.64           n Support         PS-4         55         54.84         3,016.20         5534.73         9,565.00         43,457.29		Contracts/Admin	2	17.55	35.10	64.41			12.21	111.72
rd ITS         PS-5         100         56.39         5,639.00         10,347.57         1,962.37           rd ITS         PS-4         125         54.84         6,855.00         12,578.93         1,962.37           PS-3         150         39.69         5,953.50         10,924.67         9         2,071.82           PS-1&2         200         25.02         5,004.00         9,182.34         9         1,741.39           TS-2         175         17.33         3,032.75         5,565.10         1,055.40         1,055.40           Sk-         PS-5         5         56.39         281.95         517.38         612.00         186.86           Ssk-         PS-5         5         56.39         281.95         517.38         612.00         1,049.64           Subport         PS-4         55         54.84         3,016.20         55.34.73         9,565.00         43,457.29	Optional Task - AOC	Senior Mngmt.	35	70.00	2,450.00	4,495.75		612.00	941.34	8,499.09
PS-4         125         54.84         6.855.00         12,578.93         2,385.54           PS-3         150         39.69         5,953.50         10,924.67         2,071.82           PS-1&2         200         25.02         5,004.00         9,182.34         1,741.39           TS-2         175         17.33         3,032.75         5,565.10         1,055.40           Contracts/Admin         2         17.55         35.10         64.41         12.21           Ssk-         PS-5         56.39         281.95         517.38         612.00         186.86           Ssk-         PS-4         55         54.84         3,016.20         5,534.73         9,565.00         43,457.29	Addition and ITS	PS-5	100	56.39	5,639.00	10,347.57			1,962.37	17,948.94
PS-3         150         39.69         5,953.50         10,924.67         2,071.82           PS-1&2         200         25.02         5,004.00         9,182.34         1,741.39           TS-2         175         17.33         3,032.75         5,565.10         1,055.40           Contracts/Admin         2         17.55         35.10         64.41         12.21           ask -         PS-5         5         56.39         281.95         517.38         612.00         186.86           on Support         PS-4         55         54.84         3,016.20         5,534.73         9,565.00         43,457.29	Integration	PS-4	125	54.84	6,855.00	12,578.93			2,385.54	21,819.47
PS-1&2         200         25.02         5,004.00         9,182.34         1,741.39           TS-2         175         17.33         3,032.75         5,565.10         1,055.40           Contracts/Admin         2         17.55         35.10         64.41         12.21           nal Task -         PS-5         5         56.39         281.95         517.38         612.00         186.86           ruction Support         PS-4         55         54.84         3,016.20         5,534.73         9,565.00         43,457.29		PS-3	150	39.69	5,953.50	10,924.67			2,071.82	18,949.99
TS-2         175         17.33         3,032.75         5,565.10         1,055.40         1,055.40           nal Task -         PS-5         5         56.39         281.95         517.38         64.41         12.21           ruction Support         PS-4         55         54.84         3,016.20         5,534.73         9,565.00         43,457.29		PS-1&2	200	25.02	5,004.00	9,182.34			1,741.39	15,927.73
Lontracts/Admin         2         17.55         35.10         64.41         12.21           nal Task -         PS-5         56.39         281.95         517.38         612.00         186.86           ruction Support         PS-4         55         54.84         3,016.20         5,534.73         1,049.64           3370         12.21         12.21         9,565.00         43,457.29		TS-2	175	17.33	3,032.75	5,565.10			1,055.40	9,653.25
ruction Support         PS-4         5         56.39         281.95         517.38         612.00         186.86           ruction Support         PS-4         55         54.84         3,016.20         5,534.73         1,049.64           3370         120,891.84         221,836.53         9,565.00         43,457.29		Contracts/Admin	2	17.55	35.10	64.41			12.21	111.72
ruction Support         PS-4         55         54.84         3,016.20         5,534.73         1,049.64           3370         120,891.84         221,836.53         9,565.00         43,457.29	Optional Task -	PS-5	2	56.39	281.95	517.38		612.00	186.86	1,598.19
3370   120,891,84   221,836,53   9,565.00   43,457.29	Construction Support	PS-4	55	54.84	3,016.20	5,534.73			1,049.64	9,600.57
	Totals		3370		120,891.84	221,836.53		9,565.00	43,457.29	395,750.66

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BLR 05610 (Rev. 9/06)

### COST ESTIMATE OF CONSULTANT SERVICES

FIRM PSB PRIME/SUPPLEMENT

Delcan Corp.
AOC Design and IL 64 Interconect
Prime

OVERHEAD RATE COMPLEXITY FACTOR

1.835

DF-824-039 REV 12/04

10/13/09

DATE

JBE I				OVERHEAD	IN-HOUSE		Outside	SERVICES			% OF
לק	ITEM	MANHOURS	PAYROLL	బ	DIRECT	FIXED	Direct	В	DBE	TOTAL	GRAND
30X				FRINGE BENF	COSTS	FEE	Costs	OTHERS	TOTAL		TOTAL
		(A)	(8)	(ο)	3425	(E)	(F)	(9)	£	(B-G)	
	1-Coord., Meet., and PM for PS&E tasks only	99	2,674.19			1,019.36		_		9,212.68	2.33%
	2-Pre-meet/Plans/Vendors	31	1,526.81		306.00	575.70				5,210.21	1.32%
	3-Field Review/Inventory	40	1,456.73		612.00	595.68				5,337.50	1.35%
Ĩ	4-Design Cable Route	36	1,387.42	2,545,91		482.82				4.416.14	1.12%
	5-Design Field Comm.	96	3,551.69	6,517.36		1,235.99				11,305.04	2.86%
	6-Arterial Ops Center Design and Concept of Operations	829	29,832.56	54,742.74	2,377.00	10,726.40				97,678,70	24.68%
	7-Preliminary Plan Submittal	362	11,117.93	20,401.41		3,999.54				36,418.89	9.20%
	8-Pre-Final Plan Submittal	115	4,114.10	7,549.37	00.066	1,575.26				14,228.72	3.60%
	9-Final PS&E	69	2,350.10	4,312.42	-	1,009.23				8,991,75	2.27%
	10-integration study and functional requirements	880	30,613.48	56,175.73	1,224.00	10,830.97				98,844.18	24.98%
ě	11-Optional task - AOC addition and ITS integration services	787	28,969.59	53,159.19	612.00	10,170.16				92,910.94	23.48%
	12-Optional task - Construction support	90	3,298.25	6,052.29	612.00	1,236.53				11,199.06	2.83%
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	Subconsultant DL					0.00				0.00	0.00%
	TOTALS	3370	120,892.84	221,838,35	9,565.00	43,457.63	00'0	00'0	00'0	395,753.82	100.00%

DBE 0.00%

FIRM PSB PRIME/SUPPLEMENT

Delcan Corp.
AOC Design and IL 64 Interconect
Prime

DATE 10/13/09

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PAYROLL	AVG	TOTAL PROJECT RATES			1-Coor	1-Coord. Meet and PM (d2-Pre-meet/Plans Nondors	nd PM for	Pre-me	Applane/	Г	2 Eigld D	3-Field Downsonfere	Г		1	Γ		1	1
-	HOLIELY	Louise	ò	111.		,,,			100	Т	יום ובות ני	CVICANIIIV	T	-nesign	4-Design Cable Route		o-Design	5-Design Field Comm.	mm.
MOITACIBIONALO	27.4	200	۳,	ngw	Sinon	_		Hours	,°	Wgtd	Hours	%	Wgtd	Hours	<b>&gt;</b> <	Wgtd	Hours	%	Wgtc
CLASSIFICATION	KAIES		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part	Avg
Senior Management	70.00	97	2.88%	2.01	4	%90.9	4.24												1
Chief Engineer	66.47	0																	
Professional Staff 5	56.39	396	11.75%	6.63	16	24.24%	13.67	10	32.26%	18.19	8	20.00%	11.28	8	22.22%	12.53	4	4.17%	235
Professional Staff 4	54.84	529	15.70%	8.61	ω	12.12%	6.65	10	32.26%	17.69	80	20.00%	10.97	8	22.22%	12.19	28	29.17%	16.00
Professional Staff 3	39.69	929	20.06%	7.96	80	12.12%	4.81	100	32.26%	12.80	4	10.00%	3.97	4	11.11%	4.41	15	15.63%	6.20
Professional Staff 1&2	25.02	904	26.82%	6.71	28	42.42%	10.61				8	20.00%	5.00	Г	22.22%	5.56	45	46.88%	11.75
Technical Staff 4	56.18	0												-					
Technical Staff 3	25.33	0																	
Technical Staff 2	17.33	754	22.37%	3.88							12	30.00%	5.20	8	22.22%	3.85	4	4.17%	0.72
Technical Staff 1	12.16	0																	
Contracts & Administration	17.55	14	0.42%	0.07	2	3.03%	0.53	-	3.23%	0.57									
		0											-						
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TOTALS		3370	100%	\$35.87	99	100.00% \$40.52	\$40.52	31	100%	\$49.25	40	100%	\$36.42	36	100%	\$38.54	96	100%	\$37.0

### Printed 10/13/2009 12:04 PM

### AVERAGE HOURLY PROJECT RATES

Delcan Corp.
AOC Design and IL 64 Interconect
Prime PRIME/SUPPLEMENT FIRM PSB

DATE

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	2		מלה ברווני	o Design a		lidiy ridil 3	П.	o-rre-rina	o-Pre-Final Plan Submittal		9-Final PS&E	SKE.		10-integra	10-integration study and funct 11-Optional task - AOC add	and functi	11-Option	al task - AC	C add
	HOURLY	Hours	<b>,</b> °	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Wgtd	Hours	%	Watd	Hours	%	Wat
CLASSIFICATION	RATES		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	_		Part	Α̈́
Senior Management	70.00	33	3.98%	2.79										25	2.84%	1 39	35	4 45%	2
Chief Engineer	66.47																	0/01:1	
Professional Staff 5	56.39	108	13.03%	7.35	20	5.52%	3.12	12	10.43%	5.88	5	7.35%	4.15	100	11.36%	6.41	100	12 71%	7.13
Professional Staff 4	54.84	120	14.48%	7.94	20	5.52%	3.03	12	10.43%	5.72	100	14.71%	8.06	125	14.20%	62.2	125	15 88%	17.8
Professional Staff 3	39.69	150	18.09%	7.18	100	27.62%	10.96	40	34.78%	13.81	200	29.41%	11.67	175	19.89%	7.89	150	19.06%	7.57
Professional Staff 1&2	25.02	215	25.93%	6,49	140	38.67%	9.68	40	34.78%	8.70	20	29.41%	7.36	200	22 73%	5.69	200	25 41%	35.9
Technical Staff 4	56.18																	20.1.02	2
Technical Staff 3	25.33													1 24-					
Technical Staff 2	17.33	200	24.13%	4.18	80	22.10%	3.83	2	8.70%	1.51	12	17.65%	3.06	253	28.75%	4.98	175	22 24%	3.85
Technical Staff 1	12.16																		
Contracts & Administration	17.55	3	%96'0	90.0	2	0.55%	0.10	-	0.87%	0.15	-	1.47%	0.26	2	0.23%	0.04	2	0.25%	70.0
								_											
					123														
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TOTALS		829	100%	\$35.99	362	100%	\$30.71	115	100%	\$35.77	89	100%	\$34.56	880	100%	\$34.79	787	100%	\$36.
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## PREPARED BY THE AGREEMENTS UNIT

# AVERAGE HOURLY PROJECT RATES

PF 10/13/09 က DATE SHEET Delcan Corp.
AOC Design and IL 64 Interconect
Prime FIRM
PSB
PRIME/SUPPLEMENT

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PAYROLL	AVG	12-Optic	12-Optional task - Constructio	onstructio												-			
	HOURLY	Hours		Wgtd	Hours	%		Hours			Hours	%	Wgtd	Hours	%		Hours	%	Wgtc
CLASSIFICATION	RATES		Part.	Avg		Part.	Avg		Part.	Avg	1897	Part.	Avg		Part.	Avg		Part.	Avg
Senior Management	70.00																		
Chief Engineer	66.47																		
Professional Staff 5	56.39	2	8.33%	4.70															
Professional Staff 4	54.84	55	91.67%	50.27															
Professional Staff 3	39.69																		
Professional Staff 1&2	25.02																		
Technical Staff 4	56.18																		
Technical Staff 3	25.33																		
Technical Staff 2	17.33																		
Technical Staff 1	12.16																		
Contracts & Administra	1										- 61								
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## PREPARED BY THE AGREEMENTS UNIT

### Exhibit A - Continued

# AOC and IL 64 Interconnect Direct Costs

Work Task	Direct Cost Calculations	Cost	
	20 round trips X 60 miles X \$0.51/mile @ KDOT		
Coord., Meet., and PM	and/or Vendors =	\$612.00	
Pre-meet/Obtain Plans	10 round trips X 60 miles X \$0.51/mile @ KDOT =	\$306.00	
Field Review/Inventory	20 round trips X 60 miles X \$0.51/mile @ KDOT =	\$612.00	
Design Cable Route	N/A	\$0.00	
Desgin Field Comm.	N/A	\$0.00	
	45 round trips X 60 miles X \$0.51/mile + \$1000 for		
Arterial Ops Center Design and Concept of Operations	renderings of up to 3 AOC locations	\$2,377.00	
Preliminary Plan Submittal	6 sets X 120 sheets X \$1.25	\$900.00	
	6 sets X 120 sheets X \$1.25 + 6 sets (spec) X 100		
Pre-Final Plan Submittal	Sheets X \$0.15/sheet	\$990.00	
	8 sets X 120 sheets X \$1.25 + 8 sets (spec) X 100		
Final PS&E	Sheets X \$0.15/sheet	\$1,320.00	Total for PS&E = \$7,117
	40 round trips X 60 miles X \$0.51/mile @ KDOT		
Integration Study and Functional Requirements	and/or Vendors =	\$1,224.00	
	20 round trips X 60 miles X \$0.51/mile @ KDOT		
Optional Task - AOC addition and ITS integration Services and/or Vendors =	and/or Vendors =	\$612.00	
	20 round trips X 60 miles X \$0.51/mile @ KDOT		
Construction Support	and/or Vendors =	\$612.00	

Total = \$9,565.00

Location: Illinois Route 64 - Randall Road to Burlington Road and Burlington Road - Illinois Route 64 to KDOT office

Section No.: 08-00389-00-TL

Project No.: CMM-9003(204)

Job No.: D-91-262-09

Type of Funding: STA