

Illinois Department of Transportation Proj Mark

2300 South Dirksen Parkway / Springfield, Illinois / 62764

JOB FICE

DIVISION OF TRANSPORTATION

January 05, 2010

Kane County

Section

09-00272-01-TL

Project

CMM-9003(206)

Job No.

D-91-263-09

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 \$91,554.48 (federal share, \$56,000.00) was approved by the department and authorized by the Federal Highway Administration effective December 22, 2009.

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

Danell W. Lewis

Cc-

Diane O'Keefe Attn: Chris Holt Carl Schoole, County Englineer

Delcan Corporation.

Debbie Marks, Project Control

Local Ag	jency	厂	Illinois Department		Sultant						
6	, ~	<u>}</u>	of Transportation	С	Delcan Corporation						
Kane (County	_[O	of inditioportunes.	ő	Address						
County	······································	C		N	650 E. Algonquin Road, Suite 104						
Kane		Α			City						
Section	· · · · · · · · · · · · · · · · · · ·	L	•	S	Schaumburg						
	272-01-TL		Preliminary Engineering	U	State						
Project I	No.	A		Ŀ	IL						
	9003(206)	G	Services Agreement	T	Zip Code						
Job No.	المراجع	E	/ For	Α	60173						
D-91-2	263-09	N	Federal Participation	N	Contact Name/Phone/E-mail Address						
	Name/Phone/E-mail Address	C		Т	Doug Brazelton						
	aFleur	Y	PURCHASE ORDER #2009-2315		847-925-0120						
630-40	06-7355	1		Ì	d.brazelton@delcan.com						
<u>LaFlet</u>	ırPaul@co,kane.il.us				•						
TUIS A	GREEMENT is made and entered int	o this	29th day of September		, 2009 between the above						
				eerin	g services in connection with the PROJECT. he Illinois Department of Transportation						
Local F	dgency (LA) and consultant (Livenia)	ate o	f Illinois under the general supervision	n of t	he Illinois Department of Transportation AGREEMENT PROVISIONS.						
Hedera	al-aid funds allotted to the LA by the st E) will be used entirely or in part to fin	ance	engineering services as described up	ider <i>i</i>	AGREEMENT PROVISIONS.						
(STAT	E) Will be used entirely of in part to in	u,,00									
			Project Description								
			Ollas lan	ath	6.17 Structure No. N/A						
Name	Orchard Road		Route CH 83 Len	gui	O.17 Oddotalo 1101						
Termin	ni Randall Road to Rochester Drive										
				conn	ect to provide Ethernet communications and						
Descri	ption Provide engineering services to	prov	ide upgrades to the trailic signal inter	unnn	art						
traffic	ption Provide engineering services to signal upgrades. Provide full PS&E p	acka	ge for construction and construction a	арро	,						
	Agreement Provisions										
	ENGINEER AGREES,										
I. IME	ENGINEER ACKEEU,		•		to to much multiple of						
	To porform or be responsible for the	perfo	rmance, in accordance with STATE a	ррго	ved design standards and policies, of						
1.	engineering services for the LA for th	e ord	posed improvement herein described	l.							
	engineering activious for the Extension			_	the time when requested by						
2.	To attend any and all meetings and v	isit th	ne site of the proposed improvement :	at any	y reasonable time when requested by						
۷.	representatives of the LA or STATE.										
					to -sub - Netice to Droccod from the						
3.	To complete the services herein designation	cribe	d within <u>365</u> calendar days from	the	date of the Notice to Proceed from the						
J.	I A excluding from consideration per	iods	of delay caused by circumstances be	yond	the control of the ENGINEER.						
	LA, excideing from continuous				leves elections and estimated man-						
4.	The classifications of the employees	used	in the work should be consistent with	the	employee classifications and estimated man- incipal Engineer, perform services that are						
7.	hours shown in EXHIBIT A. If higher	-sala	ried personnel of the firm, including ti	ne Pr	incipal Engineer, perform services that are illed for such services shall be commensurate						
	indicated in Exhibit A to be performed	a by i	essel-salatien helpotitien the wasa.	ate D	illed for such services shall be commensurate						
	with the payroll rate for the work perf	orme	d.		•						
			مناف بالاثناء في المناف	donic	re standards and policies applicable for the						
5.	That the ENGINEER is qualified tech	ınical	ly and is entirely conversant with the	aesig	gn standards and policies applicable for the experienced personnel to perform the services						
	PROJECT: and that the ENGINEER	has:	sufficient properly trained, organized	ano e	experienced personnel to perform the services						
	enumerated herein.										
	Organitation and a second			n	matty make necessary revisions or corrections						
6.	That the ENGINEER shall be respon	sible	for the accuracy of the work and sha	ıı pro	mptly make necessary revisions or corrections all compensation. Acceptance of work by the						
0.	resulting from the ENGINEER's erro	rs, or	nissions or negligent acts without add	ition	al compensation. Acceptance of work by the rection of any such errors or omissions or for						
	STATE will not relieve the ENGINEE	R of	the responsibility to make subsequer	t cor	rection of any such errors or omissions or for						
	clarification of any ambiguities.	- •	•								
	Clarification of any ampigament				OFFEMENT will be andered by the ENGINEER						
				in Al							
7.	That all plans and other documents i	furnis	hed by the ENGINEER pursuant to the	IIS A	GREEMENT will be endorsed by the ENGINEER Plans for structures to be built as a part of the leer and will affix structural engineer seal when						

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

That the ENGINEER will comply with applicable federal statutes, state of Illinois statutes, and local laws or ordinances of the LA.

Roads and Streets manual published by the STATE.

The undersigned certifies neither the ENGINEER nor I have: employed or retained for commiss...., 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, 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 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. are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered d. transactions by any Federal department or agency, 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 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.

11.	THE LA AGREES,			•		
1. 2.	To furnish the ENGINEER To pay the ENGINEER as following compensation for	compensation f	ailable survey data a for all services render	nd information red in accordance with	this AGREEMENT, on the	basis of the
	Cost Plus Fixed Fee		I.5%[DL + R(DL) + O I.5%[DL + R(DL) + 1. I.5%[(2.3 + R)DL + II	4(DL) + IHDC], or		
		HI O	. = Direct Labor DC = In House Direct H = Consultant Firm's = Complexity Factor	t Costs : Actual Overhead Fac	tor	
	Specific Rate	☐ (Pay per e	lement)			
	Lump Sum			_	•	
3.	To pay the ENGINEER usi	ing one of the fo	llowing methods as r	equired by 49 CFR pa	rt 26 and 605 ILCS 5/5-409	9;
	☐ With Retainage					
:	the LA, monthly payn 90% of the value of the b) After 50% of the wo the LA, monthly payn 95% of the value of the c) Final Payment - Up	ments for the wo the partially com ork is completed ments covering with the partially com on approval of the LA sected by the LA sected	ork performed shall be pleted work minus all d, and upon receipt o work performed shall pleted work minus all he work by the LA bu and the STATE, a su	e due and payable to ti I previous partial paym If monthly invoices fron be due and payable to I previous partial paym It not later than 60 day m of money equal to ti	m the ENGINEER and the eNGINEER, such payments made to the ENGINE of the ENGINER, such payments made to the ENGINEES, such payents made to the ENGINE of the ENGINE of the ENGINE of the ENGINEER shall be	nents to be equal to ER. approval thereof by yments to be equal to ER. ed and reports have I in this
		•				
	monthly payments fo of the partially compl b) Final Payment – Up	or the work performers the work minus on approval of the perfect by the I.A.	rmed shall be due ar s all previous partial p he work by the LA bu and STATE, a sum o	nd payable to the ENG payments made to the at not later than 60 day monev equal to the ba	IEER and the approval the INEER, such payments to ENGINEER. safter the work is complet asic fee as determined in the ER shall be due and payat	be equal to the value ed and reports have his AGREEMENT
4.	necessary and reasonable contracts. The recipient's this agreement. Implement this agreement then not	administration of a steps under 49 DBE program, a nation of this profication to the reunder part 26 ar	of its DBE program or CFR part 26 to ensure cas required by 49 CFI ogram is a legal oblig ecipient of its failure to d may, in appropriate	the requirements of 49 tre nondiscrimination in R part 26 and as appropartion and failure to care carry out its approve a cases, refer the matter.	n the award and performan 9 CFR part 26. The recipie in the award and administrative oved by DOT, is incorporate try out its terms shall be treed d program, the Departmen er for enforcement under 1	ent snall take all ation of DOT-assisted ed by reference in eated as violation of at may impose
HE.	IT IS MUTALLY AGREED,					
••••					M. Nathana A. D.	-

Ш

- 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 in accordance with the current 's Administrative Policies, Federal-Aid he Construction, Bureau of Local Roads and & · Standard Specifications for Road and *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.
- 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.
- 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:

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.

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.
- Establishing a drug free awareness program to inform employees about:

(1) The dangers of drug abuse in the workplace;

- The grantee's or contractor's policy of maintaining a drug free workplace;
- Any available drug counseling, rehabilitation and employee assistance program; and

The penalties that may be imposed upon an employee for drug violations.

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.

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.

- 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.
- 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 arigin or sex in the performance of this AGREEMENT. The ENGINEER shall applicable requirements of 49 CFR part the administration of DOT assisted contracts. Failure by the ENGINEER to arry out these requirements is a material breach or this AGREEMENT, which may result in the termination of this AGREEMENT or such other remedy as the LA deems appropriate.

Agree	ement Summary
Prime Consultant:	TIN Number Agreement Amount
	36-3523452 91,554.48
	TIN Number Agreement Amount
Sub-Consultants:	TIN Number Agreement Amount
	Sub-Consultant Total: 0.00
	Prime Consultant Total: 91,554.48
	Total for all Work: 91,554.48
	Occuptor of Kong
Executed by the LA:	County of Kane (Municipality/Township/County)
	(Milliopality) Township country)
ATTEST: Chille Commenced	$\mathbf{V} = \mathbf{W} \cdot \mathbf{V} \cdot $
ATTEST: Commission	And I was a series of the seri
Ву:	By: The Common of the Common o
	Till Chimne County Board
John A. Cunningham, County Clerk	Title: Chairman, County Board
264444444	
The second secon	
SEALURO NELE	
The same of the sa	
- Programme	
Executed by the ENGINEER:	
Excould by the Enterna	
	•
ATTEST:	Delcan Corporation
MITEGI.	0/1/
- 1/aL	By: P
By: Vel Han	- // /
Old ST. Jundamy Officer	Title: Regional Vice President
Title: Chief Technology Officer	1,110.

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

Bureau of Accounting and Auditing:

%

1.83 0.00

Overhead Rate (OH) Complexity Factor (R)

Calendar Days

Orchard Road: Randall Rd to Rochester Dr Kane County (Municipality/Township/County) Local Agency: Route:

09-00272-01-TL CMM-9003(206) Section: Project: Job No.:

D-91-263-09

Method of Compensation:

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

14.5%[DL + R(DL) + 1.4(DL) + IHDC] 14.5%[(2.3 + R)DL + IHDC]

Cost Plus Fixed Fee 3 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
PM Coord Meetings	Senior Mnamt.	2	70.00	140.00	256.90		172.80	73.78	643.48
	PS - 5	8	54.96	439.68	806.81			153.01	1399.50
	PS-4	8	51.01	408.08	748.82			142.12	1299.02
	PS-3	9	36.15	216.90	398.01			75.48	690.39
	PS-182	12	25.61	307.32	563.93			106.95	978.20
	Contracts/Admin	2	17.05	34.10	62.57			11.87	108.54
Plans Specifications	PS - 5	62	54.96	3407.52	6252.80		2336.10	1524.55	13520.97
	PS-4	86	51.01	4998.98	9173.13			1739.65	15911.76
	PS-3	227	36.15	8206.05	15058.10			2855.71	26119.86
	PS-182	256	25.61	6556.16	12030.55			2281.54	20868.25
	TS-2	109	18.15	1978.35	3630,27	-		688.47	6297.09
	Contracts/Admin	5	17.05	85.25	156.43			29.67	271.35
Construction Support	PS-4	20	51.01	1020.20	1872.07		172.80	380.09	3445.16
Totals		815		√27,798.59	√51,010.39		√2,681.70	/10,063.79	191,554.48

BLR 05610 (Rev. 9/06)

Page 6 of 7 Printed on 9/9/2009 11:12:00 AM

COST ESTIMATE OF CONSULTANT SERVICES COST PLUS FIXED FEE

DF-824-039 REV 12/04

60/60/60

DATE

Delcan Corp.
Orchard Road Interconnect/Upgrade
Prime PRIME/SUPPLEMENT FIRM PSB

OVERHEAD RATE COMPLEXITY FACTOR

1.835

		_				_					_			 	 _	 	 	 	 	_	 		 _
% OF	GRAND	TOTAL		5.59%	1.10%	7.43%	5.78%	14.89%	11.36%	31.83%	10.23%	8.03%	3.76%		,						•		
	TOTAL		(B-G)	5,119.22	1,008.54	6,806.84	5,288.73	13,630.25	10,396.60	29,144.82	9,363.58	7,352.81	3,445.40										
-	DBE	TOTAL	(H)						i													i 	
SERVICES	ВУ	OTHERS	(G)																				
Outside	Direct	Costs	(F)					٠										,					
	FIXED	ш	(E)	563.11	111.12	748.76	578.22	1,490.21	1,136.67	3,197.57	1,034.88	822.47	380.11										
IN-HOUSE	DIRECT	COSTS	(<u>a</u>)	172.80		230.40				562.50	562.50	937.50	172.80										
OVERHEAD	প্ৰ	FRINGE BENF	(0)	2,837.17	552.91	3,772.06	3,048.95	7,857.84	5,993.64	16,430.69	5,026.81	3,620.06	1,872.21								,		
	PAYROLL		(9)	1,546.14	301.31	2,055.62	1,661.56	4,282.20	3,266.29	8,954.06	2,739.40	1,972.78	1,020.28										
	MANHOURS		€	38	7	52	44	108	06	318	81	57	20										
	ITEM			Coord., Meet., and PM	Pre-meet/Obtain Plans	Field Review/Inventory	Design Cable Route	Design Field Comm.	Design Traffic Sig. Mod.	Preliminary Plan Submittal	Pre-Final Plan Submittal	Final PS&E	Construction Support										
DBE	DROP	BOX													-								

DBE 0.00%

0.00%

0.00

0.00

0.00

0.00

2,681.70

51,012.35

27,799.64

815

TOTALS

Subconsultant DL

0.00 10,063.12

PREPARED BY THE AGREEMENTS UNIT

EXHIBIT A-2 AVERAGE HOURLY PROJECT RATES

REV 12/04

FIRM PSB PRIME/SUPPLEMENT

Delcan Corp.

Orchard Road Interconnect/Upgrade Prime

~ P DATE 09/09/09 SHEET

i jodyka	2777	TOTAL DEC 160T BATES		-	Coord	Coord Most and DM		Pro-moot/Ohtain Plane	Jhfain Pi	Г	iold Revi	Field Review/Inventory	Г	Jesign C.	Design Cable Route	Γ	Jesian Fi	Design Field Comm.	
PAIROLL	2 4 6	וטואר רולטבטו אאובט				meet, and	1	-	1	Τ.		-	:		-				
	HOURLY	Hours	%	Wgtd	Hours	<u>~</u> %	Wgfd	Hours	_	World	Hours			Hours	×.	-	Hours	_	wgta
CLASSIFICATION	RATES		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg		Part.	Avg
Senior Management	70.00	2	0.25%	0.17	2	5.26%	3.68												
Chief Engineer	64.80	0																	
Professional Staff 5	54.96	70	8.59%	4.72	8	21.05%	11.57	2 . 2	28.57%	15.70	12	23.08%	12.68	æ	18.18%	9.99	æ	7.41%	4.07
Professional Staff 4	51.01	126	15.46%	7.89	8	21.05%	10.74	2 2	28.57%	14.58	12	23.08%	11.77	8	18.18%	9.28	40	37.04%	18.89
Professional Staff 3	36.15	233	28.59%	10.34	9	15.79%	5.71		28.57%	10.33	12	23.08%	8.34	12	27.27%	9.86	58	25.93%	37
Professional Staff 1&2	25.61	268	32.88%	8.42	12	31.58%	8.09				8	15.38%	3.94	12	27.27%	6.98	28	25.93%	. B4
Technical Staff 4	54.77	0									-		-						
Technical Staff 3	25.38	0									_								
Technical Staff 2	18.15	109	13.37%	2.43							Ф	15.38%	2,79	4	%60.6	1.65	4	3.70%	29.0
Technical Staff 1	12.18	0										•							
Contracts & Administration	17.05		0.86%	0.15	2	5.26%	0.00	1	14.29%	2.44									
		0						,	_								-		
		0	_			-													
		0																	
		0										-					-		
		0																	
		0													,				
		0																	
		0																	
		0																	
		0																	
		0																	
		0	- 																1
		0							•										1
		0																	}
		0	<u> </u>								-								
		0															1		
TOTALS	·	815	100%	\$34.11	38	100.00%	\$40.69	7	100%	\$43.04	52	100%	\$39.53	44	100%	\$37.76	108	100%	\$39.65

EXHIBIT A-2 AVERAGE HOURLY PROJECT RATES

REV 12/04

P

2

SHEET

60/60/60

DATE

Delcan Corp. FIRM PSB PRIME/SUPPLEMENT

nd Interconnect/Upgrade]	
Orchard Road I	Prime	

%	Part. Avg																					
td Hours	ď.					10	100	100	2	2	2	2	2	2	2	2	2	8	3	3	2	2
	rt Avg		-			20% 51.01	- - - - 	- - - - - 										- - - - - - - - - - - - - - - - - - - 			┤╎┊┥ ┼╅┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼┼	-
	Part.					20 100.00%																
Wgtd Hours	Avg				7.71																	│
	Part.				14.04%													╎╸ ┤ ┈ ┤ ╸ ┤╸┤╸┤	╎╸ ┤ ╸ ┤ ╸ ┤┤ ╸ ┤			╎┤┤┤ ┤┤┼┼┼┼┼
Hours	•				φ.																	
	Ava	,	,)			 	 							 	 	 	 		┩╸ ┤ ╒ ┩╸┼┈┼┈┼┈┤	┤┤┤┤┤┤╎┤╎╏ ┼┼┼┼	┤╸╎╶┝╶╎╶╏╸╎╶╏╸╏╸╏╸╏╸╏╸╏╸╏╸
	Part.				9.88%	9.88%															╏╡╏ ┇┪	
Wgtd Hours	Ava	6	P	P. I	1.38 8	.																<u> </u>
% WG	Part. A	1	H					 	 	 	 	╎╶╏┈╏╶╏┈╏┈╏	╎╶╏┈╏┈╏┈╏┈╏┈╏┈╏	╎╸ ┦╸┤╸┤╸┤╸┤╸┤╸┤╸	╎╏╸ ╏╶ ╏╸╏ ╶╏╼┼╸╏╼┼╸╏╼┼╸╏╼	╎╸╏┈╏┈╏┈╏┈╏┈╏	╎╏┩╏ ┩╫	┡╒ ╇	╎╸ ┤ ╶┤╸ ┤ ╶┤╸ ┤ ╶┤╸ ┤ ╶┤╸ ┤ ┈	╎┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋┋	┡╒┋╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒	┡╒┋╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒
	Ь				8 2.																	┈╎┼╎╎╎╏╏╏╏╏╏╏
/gtd	Avg				4.89											╶┤╶┤╶┤╶┤╶┤╶┤╶┤╶ ┤	╶┤┈┤┈┤┈╏┈╏┈╏	╶┤╎┤┤╏╎┋ ┤╁╃┼╏┿╂╂┿	╶┤┤┤┤┤╎ ┼┼┼┼	╶┤┤┤┤╏╎╏		╶┤╎┥┩ ╫╫
Hours % W	Part.				8.89%	8.89%	8.89% 13.33% 44.44%	8.89% 13.33% 44.44%	8.89% 13.33% 44.44% 33.33%	8.89% 13.33% 44.44% 33.33%	8.89% 113.33% 44.44% 33.33%	8.89% 13.33% 44.44% 33.33%	8.89% 13.33% 44.44% 33.33%	8.89% 13.33% 44.44% 33.33%	8.89% 13.33% 44.44% 33.33%	8.89% 13.33% 44.44% 33.33%	8.89% 113.33% 44.44% 33.33%	8.89% 113.33% 33.33% 33.33%	8.89% 113.33% 44.44% 33.33%	8.89% 13.33% 44.44% 33.33%	8.89% 113.33% 44.44% 33.33%	8.89% 13.33% 44.44% 33.33%
_	ES		00	80	80 80 8																	
HOURL	RATES		70.00	70.00	70.00 64.80 54.96	70.00 64.80 54.96 51.01	70.00 64.80 54.96 51.01 36.15	70.00 64.80 54.96 51.01 36.15 25.61	70.00 64.80 64.80 54.96 51.01 36.15 25.61 54.77	70.00 64.80 54.96 51.01 36.15 25.61 25.61 25.83	70.00 64.80 54.96 51.01 36.15 25.61 25.81 25.38	70.00 64.80 64.96 54.96 51.01 36.15 25.61 25.61 54.77 54.77 18.15	╽╶╎╴╎╶╏╸╏╶╏┈╏╸┤╶┫═┩╸	┩╒┩╸╏╶╏ ╌╬═╂ ╶╏ ╍╬═╂╶╋═╇═╂╼	┦┤┆╎┋ ┧╎ ╡ ┩	┦╶╎╴╎┈╏┈╎╶╎┈╏┈╎╸┤┈┪┈╎┈	┤┤╎╎╎╎ ┼┼┼┼┼		┡╒┋╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒	┡╒╬╒┋╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒	┡╒┋╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒╒	┡╶╎┊┡┋┋ ┼ ╒┋ ┼┼
	CLASSIFICATION		Senior Management	Senior Management Chief Engineer	Senior Management Chief Engineer Professional Staff 5	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 3	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 3 Professional Staff 1&2	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 3 Professional Staff 182 Professional Staff 182 Technical Staff 4	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 3 Professional Staff 1&2 Technical Staff 4 Technical Staff 4	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Professional Staff 1&2 Professional Staff 1&2 Technical Staff 3 Technical Staff 3	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Professional Staff 4 Technical Staff 4 Technical Staff 3 Technical Staff 3 Technical Staff 7 Technical Staff 7	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Professional Staff 4 Technical Staff 4 Technical Staff 3 Technical Staff 2 Technical Staff 7	Senior Management Chitef Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Professional Staff 4 Technical Staff 4 Technical Staff 3 Technical Staff 2 Technical Staff 1 Technical Staff 1 Contracts & Administration	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Professional Staff 4 Technical Staff 4 Technical Staff 3 Technical Staff 2 Technical Staff 1 Technical Staff 1 Contracts & Administration	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Professional Staff 4 Technical Staff 4 Technical Staff 2 Technical Staff 2 Technical Staff 1 Contracts & Administration	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Professional Staff 4 Technical Staff 4 Technical Staff 2 Technical Staff 2 Technical Staff 1 Contracts & Administratio	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Professional Staff 4 Technical Staff 4 Technical Staff 2 Technical Staff 2 Technical Staff 1 Contracts & Administratio	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Technical Staff 4 Technical Staff 2 Technical Staff 2 Technical Staff 1 Contracts & Administration	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Professional Staff 4 Technical Staff 3 Technical Staff 2 Technical Staff 1 Contracts & Administration	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Professional Staff 4 Technical Staff 4 Technical Staff 2 Technical Staff 1 Contracts & Administration	Senior Management Chief Engineer Professional Staff 5 Professional Staff 4 Professional Staff 4 Technical Staff 4 Technical Staff 2 Technical Staff 1 Contracts & Administratio

\$0.00

%0

100% \$51.01

20

100% \$34.61

24

100% \$33.82

81

\$28.16

100%

\$36.29 318

100%

80

TOTALS

Exhibit A - Continued

Orchard Road Interconnect Direct Costs

Work Task	Direct Cost Calculations	Cost
Coord., Meet., and PM	6 round trips X 60 miles X \$0.48/mile @ KDOT =	\$172.80
Pre-meet/Obtain Plans	2 round trips X 45 miles X \$0.48/mile @ IDOT =	\$43.20
Field Review/Inventory	8 round trips X 60 miles X \$0.48/mile @ KDOT =	\$230.40
Design Cable Route	N/A	\$0,00
Design Field Comm.	N/A	\$0.00
Design Traffic Sig. Mod.	N/A	\$0.00
Preliminary Plan Submittal	5 sets X 90 Sheets X \$1.25/sheet =	\$562.50
Pre-Final Plan Submittal	5 sets X 90 Sheets X \$1.25/sheet =	\$562.50
1707.11,017.100	7 sets X 90 Sheets X \$1.25/sheet + 5 sets X 200	
Final PS&E	Sheets X \$0.15/sheet =	\$937.50
Construction Support	6 round trips X 60 miles X \$0.48/mile @ KDOT =	\$172.80

Total = \$2,681.70

Location: Orchard Road: Randall Road to Rochester Drive

Section No.: 09-00272-01-TL Project No.: CMM-9003(206)

Job No.: D-91-263-09 Type of Funding: STA