

July 25, 2018 AGENDA ITEM #12

Approve Amendment No. 9 to the Stantec Consulting Services, Inc. agreement for traffic and revenue consulting services

Strategic Plan Relevance:	Regional Mobility
Department:	Finance
Contact:	Bill Chapman, Chief Financial Officer
Associated Costs:	\$ 3,000,000
Funding Source:	Various
Action Requested:	Consider and act on draft resolution

Summary:

In June of 2008, the Board of Directors instructed the Executive Director and staff to undertake the procurement of Traffic and Engineering services. An RFP was issued December 18, 2008 and an evaluation committee recommended having a pool of 8 firms, from which the CTRMA can use for various projects. (see backup). Stantec is doing work on the upcoming system projects of 290E phase III and 183A Phase III. They will also be doing work on 183N ML and Loop 1 South. Stantec does our annual work required by the indenture and various other projects required, such as analyzing veteran's discount program or alternative ramp gantry pricing. This amendment will be for a not to exceed \$3,000,000 which should cover several years and various projects.

Backup Provided:

Draft resolution Draft Amendment No. 9

GENERAL MEETING OF THE BOARD OF DIRECTORS OF THE CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

RESOLUTION NO. 18-0XX

APPROVING AMENDMENT NO. 9 TO THE AGREEMENT WITH STANTEC CONSULTING SERVICES INC. FOR TRAFFIC AND REVENUE SUPPORT SERVICES FOR EXISTING AND PROPOSED MOBILITY AUTHORITY PROJECTS

WHEREAS, by Resolution No. 07-62, dated October 3, 2007, the Board of Directors authorized an agreement with Stantec Consulting Services, Inc. ("Stantec") to provide traffic and revenue studies for the Mobility Authority (the "Agreement"); and

WHEREAS, since 2007 the Authority has extended the original contract and Stantec has continued to provide traffic and revenue studies and services for the Authority; and

WHEREAS, the Authority has a continuing need to monitor traffic and revenue for its existing toll projects and for new Authority projects, and the Executive Director recommends continuing to use Stantec for traffic and revenue services described in the proposed Amendment No. 9 to the Agreement which is attached to this resolution as <u>Exhibit A</u>.

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors authorizes the Executive Director to negotiate and execute Amendment No. 9 to the Agreement in the form or substantially the form attached as Exhibit A to this resolution.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 25th day of July 2018.

Submitted and reviewed by:

Approved:

Geoffrey Petrov, General Counsel

Ray A. Wilkerson Chairman, Board of Directors

<u>Exhibit A</u>



Stantec Consulting Services Inc. 475 Fifth Avenue 12th Floor, New York NY 10017-7239

June 4, 2018

Mr. Bill Chapman, CFO Central Texas Regional Mobility Authority 3300 North IH-35, Suite 300 Austin, TX 78705

Reference: Stantec Professional Consulting Services Agreement, 9th Amendment

Dear Mr. Chapman,

We are pleased to deliver our scope and budget (Exhibit A) to provide continuing Traffic and Revenue Consulting Services to the Central Texas Regional Mobility Authority as it moves forward with various toll road projects now in operation or in the planning stages. Following is a description of the anticipated work efforts that would be provided under this agreement:

Level 3 Traffic & Revenue (T&R) Studies -- 2 projects

We anticipate conducting two investment grade T&R studies over the next 3-year period and have included those efforts in our scope and budget. These studies would be similar to the October 2015 Bergstrom Expressway T&R Study. Each of the studies will produce traffic & forecasts and documentation suitable for financing, including coordination with the financial team as well as meetings and presentations to rating agencies and investors. We will use our latest edition of the regional traffic model and fully update the required inputs, including validating the peak period baseline conditions to actual levels in the study area; this will be vital to reflect presence of new projects with managed lanes. We have included an allowance for subconsultants to conduct specialized studies such as demographic updates, traffic counts and origin-destination surveys.

Level 2 Intermediate T&R Study -- 1 project

The scope of this study would be less extensive than a Level 3 Study, with fewer surveys and validation efforts, but would provide a reasonable basis for deciding whether to advance the project to the financing stage.

Level 1 Preliminary T&R Studies -- 2 projects

This effort would use the latest version of the traffic model for planning purposes to support preliminary feasibility studies of new projects or changes to existing projects. As the underlying traffic model would be based on a Level 3 baseline, only limited new surveys would be conducted for the Level 1 Study, sufficient to provide an initial reading on likely traffic & revenue potential of the project.

Monitor & Support (Ongoing Efforts)

We will monitor the transaction and revenue data for 183A, the Manor Expressway and other elements that become operational, comparing actual conditions to forecast levels and identifying reasons for potential variations. We anticipate conducting sketch level studies and project evaluations, toll schedule evaluations, simulation studies and miscellaneous support in our role as the Authority's Traffic Consultant.

Stantec will be the prime consultant on this assignment, drawing on the expertise of subconsultants as needed for specialized studies. These may include Michael Bomba, Alliance Transportation Group, CJ Hensch & Associates, Quality Counts, GRAM Traffic North Texas, Skycomp Inc., GRAM Traffic Counting, and Resource Systems Group.

NINTH AMENDMENT TO CTRMA/STANTEC PROFESSIONAL Design with community in mind CONSULTING SERVICES AGREEMENT June 4, 2018 Mr. Bill Chapman, CFO Page 2 of 2

Reference: Stantec Professional Consulting Services Agreement, 9th Amendment

Our project personnel are especially qualified to undertake this work. Tom Harknett will function as the Principal in Charge. I will be the Project Manager (PM), with 35+ years of experience in toll feasibility studies and 20 years of involvement in Austin–based projects for the Mobility Authority as well as TxDOT. Sumeet Kishnani and Tiffany Cummings will be the Assistant PM's and other key staff will include Ann Hughitt, Haley Collins and Sanaz Zehtabi.

Exhibit A presents a summary and details of the anticipated typical budget levels for the tasks described above. As discussed with you, the total budget is \$3,000,000.

We look forward to working with you in the coming years.

Regards,

Stantec Consulting Services Inc.

William Sho

William Ihlo PE Principal

Phone: (203) 417-6780 Fax: (212) 366-5629 William.lhlo@stantec.com

	Exhibit A
T;	able of Contents
Exhibit Number	Exhibit Title
Exhibit A-1	Hourly Labor Rate Table
Exhibit A-2	T&R Summary Budget
Exhibit A-3	Typical Level 3 T&R Budget
Exhibit A-4	Typical Level 2 T&R Budget
Exhibit A-5	Typical Level 1 T&R Budget
Exhibit A-6	Monitor & Support Budget

Exhibit A-1 Stantec Consulting Evergree Hourly Labor Rate Table Jur		
Labor Category	Ho	ourly Rate
Principal	\$	117.00
Project Manager	\$	100.00
Senior Engineer	\$	85.00
Engineer	\$	70.00
Junior Engineer	\$	50.00
Entry Level Engineer	\$	37.00
FAR Overhead Current Rate		160.40%
Profit		10.0%

Note: Hourly rates subject to escalation periodically; FAR OH rate typically changes July 1 annually.

Exhibit Stantec Consulting E T&R Summary Bud	vergre	
Task		
Level 3 T&R (2 Projects)	\$	2,072,000
Level 2 T&R (1 Project)	\$	420,000
Level 1 T&R (2 Projects)	\$	174,000
Monitor & Support	\$	334,000
Total	\$	3,000,000

		EXHIBIT	T A-3						Γ
Stantec Con	sulting Typical	Level 3 T	& R Budget June		1, 2018 (2 Projects)				
								Total	Total
		Designet	Contor		lunior	Entry Loval	Total	Diract	lahor
Task Description	Principal	Manager	Engineer	Engineer	Engineer	Engineer	Hours	Labor	Cost
Task 1 Proiect Definition (Alionment access lanes tolls)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	40	40	20	20	20	148	\$11,476	\$32,872
	000	80	200	200	200	150	838	\$55,486	\$158,934
	4		16	16	16	16	76	\$5,140	\$14,723
	16	80	300	400	240	240	1276	\$84,252	\$241,331
	8	40	40	80	20	20	208	\$15,676	\$44,902
	16	80	160	300	200	170	926	\$60,762	\$174,047
Task 7 Analysis of Results	16	120	200	200	200	150	886	\$60,422	\$173,073
Task 8 Sensitivities	16	80	120	200	120	120	656	\$44,512	\$127,500
	40	120	80	120	200	120	680	\$46,320	\$132,679
Task 10 Rating Agency Meetings	40	120	40	120	100	60	480	\$35,700	\$102,259
	40	120	40	120	100	60	480	\$35,700	\$102,259
	40	120	120	180	110	80	650	\$47,940	\$137,319
Task 13 Simulation Modeling	20	80	120	240	160	160	780	\$51,260	\$146,829
	-	0007	044	01010	1000	1366	Ford	000 000	C4 500 700
Total Hours	7/7	1088	14/10	9617	0001	1200	0004	040'4000	1,000,16
l ahor Rate	\$117.00	\$100.00	\$85.00	\$70.00	\$50.00	\$37.00			
Total Direct 1 abor	\$31824	S108 800	\$125.460	\$153.720	\$84,300	6A			
Muthiniar (FAR 160 40% fee 10 0%)	2.864	2.864	2.864	2 864	2.864				
Total abor Cost	\$91.157	\$311 647	\$359.368	\$440.316	\$241.469	517			\$1.588.728
Direct Expenses									\$33,272
Total Stanton Effort									\$1.622.000
Subconsultant Efforts									
Demographic Update									
Subconsultant Bomba									\$100,000
Urigin Destination Surveys									\$150.000
									00000
Supplemental Traffic Counts									
Subconsultant TBD									\$200,000
Total All Work									\$2.072.000
									0001410140

		EXHIBIT A-4	T A-4						
Stantec Consulting Typical Level 2 T & R Budget June 1, 2018 (1 Project)	sulting Typic	al Level 2 T {	& R Budget	June 1, 2018	(1 Project)				
								Total	Total
		Project	Senior		Junior	Entry Level	Total	Direct	Labor
Task Description	Principal	Manager	Engineer	Engineer	Engineer	Engineer	Hours	Labor	Cost
Task 1 Project Definition (Alionment: access. Janes. tolls)	2	24	20	10	20	10	86	\$6,404	\$18,344
	4	24	40	40	80	40	228	\$14,548	\$41,671
Task 3 Establish Screenlines	2	80	16	8	12	8	54	\$3,850	\$11,028
Task 4 Model Validation	4	20	160	80	120	40	424	\$29,148	\$83,492
Task 5 Modeling Runs (3 model vrs; 4 scenarios)	4	40	80	40	80	40	284	\$19,548	\$55,993
Task 6 Analysis of Results	8	60	60	40	60	60	288	\$20,056	\$57,448
Task 7 Sensitivities	8	60	60	20	40	40	228	\$16,916	\$48,454
Task 8 Documentation & Meetings	16	60	60	20	50	20	226	\$17,612	\$50.448
Total Hours	48	296	496	258	462	258	1818	\$128,082	\$366,878
Labor Rate	\$117.00	\$100.00	\$85.00	\$70.00	\$50.00	\$37.00			
Total Direct Labor	\$5,616	\$29,600	\$42,160	\$18,060	\$23,100	\$9,546			
Multiplier (FAR 160.40%; fee 10.0%)	2,864	2.864	2,864	2.864	2.864				
Total Labor Cost	\$16,086	\$84,786	\$120,763	\$51,731	\$66,168	\$27,344			\$366,878
Direct Expenses									\$3,122
Total Stantec Effort									\$370,000
Subconsultant Efforts									
Demographic Update									
Subconsultant Bomba									\$25,000
Sumlamontal Traffic Counte									
Subconsultant TBD									\$25,000
Total All Work									\$420,000

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Stantec Consu	Ilting Typic:	al Level 1 T & R Bu	R Budget J	стипи 4-э ulting Typical Level 1 T & R Budget June 1, 2018 (2 Projects)	2 Projects)				
		, ,						Total	Total
Task Description	Principal	Manager	Engineer	Enaineer	Lunior Enaineer	Entry Level Engineer	Total Hours	Direct Labor	Labor Cost
		>		•	8	~			
Task 1 Project Definition (Alignment, access, lanes, tolls)	2	20	20	~	16	80	74	\$5,590	\$16,012
Task 2 Update Model Inputs	2	20	40	16	40	16	134	\$9.346	\$26,771
Task 3 Establish Screenlines	2	80	æ	80	60	æ	42	\$2,970	\$8,507
Task 4 Modeling Runs (3 model vrs. 4 scenarios)	4	20	40	16	40	16	136	\$9,580	\$27,441
	4	20	40	16	40	16	136	\$9,580	\$27,441
Task 6 Sensitivities	4	20	30	16	40	16	126	\$8,730	\$25,006
Task 7 Documentation	4	20	20	8	20	ø	80	\$6,024	\$17,255
Total Hours	22	128	198	88	204	88	728	\$51,820	\$148,433
	-								
Labor Rate	\$117.00	\$100.00	\$85.00	\$70.00	\$50.00	\$37.00			
Total Direct Labor	\$2,574	\$12,800	\$16,830	\$6,160	\$10,200				
Multiplier (FAR 160.40%; fee 10.0%)	2.864	2.864	2.864	2.864	2.864	2.864			
Total Labor Cost	\$7,373	\$36,664	\$48,208	\$17,645	\$29,217				\$148,433
Direct Expenses									\$567
Total Stantec Effort									\$149,000
Subconsultant Efforts									
Miscellaneous Support									
Subconsultant TBD									\$25,000
Total All Work									\$174,000

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At Description         Froited Engineer         Servicr Engineer         Juntior Engineer         Entry Level Engineer         Total Finicipal         Protei Manager         Labor         Cotal Engineer         Total Engineer         Labor         Cotal Engineer         Labor         Cotal Engineer         Total Engineer         Description           st bescription         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4         4	Str	antec Consultin	g Monitor &	Support Buc	Iget June 1, 2	018				
Fincipal tescription         Principal (onthy Traffic & Revenue Reports)         Principal (antistic)         Principal (antistic)         Principal (antistic)         Principal (antistic)         Principal (antistic)         Direct (antistic)         Liabor         Cotal         Liabor         Cotal         Cotal         Si (altal)         Cotal         Cotal         Si (altal)         Cotal         Si (altal)         Cotal         Cotal         Si (altal)         Cotal         Cotal         Cotal         Cotal         Si (altal)         Cotal         Cotal         Si (altal)         Cotal         Si (altal)         Cotal         Cotal <thc< th=""><th></th><th>-</th><th></th><th></th><th></th><th></th><th></th><th></th><th>Total</th><th>Total</th></thc<>		-							Total	Total
sk Description         Principal         Marager         Engineer         Engineer         Engineer         Hours         Labor         Co.           (orithy Traffic & Revenue Reports         4         40         40         40         40         40         534         514,148           (orithy Traffic & Revenue Reports         4         40         60         60         60         40         204         514,148           diation         4         120         1200         1200         80         300         200         204         514,148           si         4         40         80         80         80         200         504         50         544         517,48           si $910$ 120         1200         88.500         8700         86.00         574         517,48         517,248           si $910$ $910$ $5170$ $526$ $526$ $524$ $539,348$ $5107,240$ $5107,240$ $5107,240$ $5107,240$ $5103,548$ $5107,240$ $5103,548$ $5107,240$ $5103,548$ $5103,548$ $5103,548$ $5103,548$ $5103,548$ $5103,548$			Project	Senior		Junior	Entry Level	Total	Direct	Labor
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meter         4         40         60         60         60         40         244         \$17,248           aluation         4         40         80         40         40         204         \$17,248           aluation         4         10         80         40         80         40         514,48         \$17,248           suboti         4         120         120         120         160         80         40         534         \$52,348           sport         20         200         120         120         120         120         100         \$17,40         \$17,740         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,240         \$10,12		4	40	40	40	40	40	204	\$14,148	\$40.526
aluation         4         40         40         40         40         40         204         314,148           sist         4         40         80         80         40         204         314,148           sist         4         120         120         120         120         514,148         524         532,348         522,348         522,348         522,348         522,348         522,348         522,348         522,348         522,348         522,348         522,348         520,00         5107,240         5107,240         5         526,60         5107,240         5         526,60         5107,240         5         5         550,00         550,00         537,00         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5         5<		4	40	60	60	40	40	244	\$17,248	\$49,405
ss     4     40     80     80     80     30     324     \$22,338       piport     20     200     120     120     120     120     810.20     524     \$533,349       piport     20     200     310     380     280     280     280     280     280       \$17,00     \$17,00     \$10,00     \$85,00     \$85,00     \$85,00     \$14,00     \$37,00     \$107,240     \$107,240       \$23,340     \$23,340     \$280,00     \$85,00     \$85,00     \$14,00     \$510,00     \$14,00     \$107,240     \$107,240       \$2,340     \$23,40     \$286,00     \$14,00     \$14,00     \$14,00     \$107,240     \$107,240       \$2,650     \$23,00     \$26,000     \$14,00     \$14,000     \$14,00     \$107,240     \$107,240       \$2,650     \$23,00     \$10,00     \$26,000     \$14,000     \$14,00     \$107,240     \$107,240       \$2,650     \$23,00     \$10,00     \$26,000     \$14,000     \$102,00     \$107,240     \$107,240       \$2,660     \$2,00     \$2,00     \$2,00     \$2,00     \$10,00     \$10,00     \$10,00       \$2,00     \$2,00     \$2,00     \$2,00     \$2,00     \$10,00     \$10,00     \$10,00		4	40	40	40	40	40	204	\$14,148	\$40,526
Apport         4         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120         120 <td></td> <td>4</td> <td>40</td> <td>80</td> <td>80</td> <td>80</td> <td>40</td> <td>324</td> <td>\$22,348</td> <td>\$64,014</td>		4	40	80	80	80	40	324	\$22,348	\$64,014
20       20       20       340       380       280       200       1500       \$107,240       \$107,240       \$\$         717,00       \$117,00       \$100,00       \$85,00       \$70,00       \$55,00       \$37,00       \$107,240       \$\$       \$\$         \$511,00       \$517,00       \$100,00       \$55,00       \$70,00       \$514,000       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$       \$\$ </td <td></td> <td>4</td> <td>120</td> <td>120</td> <td>160</td> <td>80</td> <td>40</td> <td>524</td> <td>\$39,348</td> <td>\$112,708</td>		4	120	120	160	80	40	524	\$39,348	\$112,708
Total All Work       \$17,00       \$100,00       \$85,00       \$70,00       \$57,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$37,00       \$31,00       \$31,00       \$31,00       \$31,00       \$31,00       \$31,00       \$31,00       \$31,		20	280	340	380	280	200	1500	\$107.240	\$307.178
S117.00     S100     S50.00     S7.00     S37.00     S37.00       \$2.340     \$2.340     \$28.500     \$24.000     \$74.000     \$74.000       \$2.340     \$2.864     \$2.864     \$2.864     \$2.864     \$5.700       \$2.864     \$2.864     \$2.864     \$2.864     \$5.900     \$5.1400       \$5.703     \$80,203     \$82,781     \$76,493     \$2.864     \$5.660       \$6.703     \$80,203     \$82,781     \$76,493     \$2.864     \$5.660       \$6.703     \$80,203     \$80,203     \$80,203     \$80,203     \$80,781       \$6.704     \$6.700     \$5.660     \$2.1400     \$5.1400     \$5.1400       \$6.703     \$80,203     \$80,203     \$80,203     \$80,203     \$6.700       \$6.704     \$6.703     \$80,203     \$80,203     \$80,203     \$80,002       \$6.705     \$6.701     \$6.700     \$6.700     \$6.700     \$6.700       \$6.703     \$80,203     \$80,203     \$80,202     \$80,102     \$6.700       \$6.704     \$6.703     \$80,203     \$80,203     \$80,102     \$6.700       \$6.704     \$6.703     \$80,102     \$80,102     \$6.701     \$6.700       \$6.704     \$6.704     \$6.704     \$6.704     \$6.704 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>										
32.340     \$2.8,000     \$2.4,000     \$7.4,00     \$7.4,00     \$7.4,00     \$7.4,00       2.864     2.864     2.864     2.864     2.864     2.864     8.8       2.864     2.864     2.864     2.864     8.8     8.8       86.703     \$80.203     \$82.781     \$76,193     \$2.197     8.8       9.80.103     \$80.203     \$82.781     \$76,193     \$2.197     8.8       9.80.203     \$80.203     \$82.781     \$76,193     \$2.0107     \$71,197     8.8       9.80.103     \$80.203     \$80.203     \$82.781     \$76,193     \$2.01,07     \$71,197     8.8       9.90.103     9.90.103     \$80.203     \$80.203     \$80.203     \$82.781     \$76,193     \$2.664     8.7       9.91     9.91     9.91     9.91     9.91     9.91     9.91     9.91     9.91       9.91     9.91     9.91     9.91     9.91     9.91     9.91     9.91     9.91       9.91     9.91     9.91     9.91     9.91     9.91     9.91     9.91       9.91     9.91     9.91     9.91     9.91     9.91     9.91     9.91       9.91     9.91     9.91     9.91     9.91     9.91     9.	Labor Rate	\$117.00	\$100.00	\$85.00	\$70.00	\$50.00	\$37.00			
2.864     2.864     2.864     2.864     2.864     2       \$6,703     \$80,203     \$80,203     \$80,403     \$284     2.864     \$       \$6,703     \$80,203     \$80,203     \$80,203     \$80,203     \$80,102     \$21,197     \$       \$6,703     \$80,203     \$80,203     \$80,203     \$80,203     \$80,203     \$80,203     \$80,102     \$21,197     \$       \$6,703     \$80,203     \$80,203     \$80,203     \$80,203     \$80,203     \$80,203     \$80,203     \$80,203     \$80,703     \$     \$     \$       \$6,703     \$80,203     \$80,203     \$80,203     \$80,203     \$80,203     \$80,703     \$     \$     \$     \$       \$6,703     \$80,203     \$80,203     \$80,203     \$80,203     \$80,203     \$     \$     \$     \$     \$       \$6,703     \$80,203     \$80,203     \$80,203     \$80,203     \$     \$     \$     \$     \$       \$6,703     \$     \$     \$     \$     \$     \$     \$     \$     \$       \$6,703     \$     \$     \$     \$     \$     \$     \$     \$     \$     \$       \$6,904     \$     \$     \$     \$     \$     \$	Total Direct Labor	\$2.340	\$28,000	\$28,900	\$26,600	\$14,000	\$7,400			
\$6,703     \$80,203     \$82,781     \$76,193     \$40,102     \$21,197     0     56       initial consultant Efforts     initial consultant	Multiplier (FAR 160.40%; fee 10.0%)	2.864	2.864	2.864	2.864	2.864	2.864			
ort     ort     Image: Subconsultant Efforts     Image: SubconsultantE	Total Labor Cost	\$6,703		\$82,781	\$76,193	\$40,102	\$21,197			\$307,178
Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts     Image: Subconsultant Efforts       Image: Subconsultant Efforts     Image: Subconsultant Ef	Direct Expenses									\$1,822
Subconsultant Efforts     TBD       TBD     Total All Work	Total Stantec Effort									\$309,000
TBD     Total All Work	Subconsultant Efforts									
TBD Total All Work Total All Work										
	Subconsultant TBD									\$25,000
	Total All V	Vork								\$334,000

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