RESOLUTION NO 29, 2020

A RESOLUTION AUTHORIZING THE CITY MANAGER TO ENTER INTO A CONTRACT WITH STRAND ASSOCIATES, INC. FOR PROFESSIONAL SERVICES RELATED TO ENGINEERING SERVICES FOR THE PFEIFFER/DEERFIELD ROAD INTERSECTION MODIFICATION PROJECT

WHEREAS, Section 9.03 of Article IX of the Charter of the City of Montgomery, Ohio, provides the method under which the City Manager shall make certain purchases and enter into contracts on behalf of the City; and

WHEREAS, it is appropriate to provide contract authority for professional services that are generally not subject to competitive bidding but will exceed a total of \$50,000 in a calendar year; and

WHEREAS, the Administration did request Letters of Interest from engineering firms which may be interested in assisting the City in designing and engineering public improvements as a part of the anticipated intersection improvements at Pfeiffer Road and Deerfield Road; and

WHEREAS, multiple firms submitted responses which were reviewed by an evaluation committee consisting of the City Manager, Director of Law and Public Works Director; and

WHEREAS, Strand Associates, Inc. did submit a Letter of Interest which was reviewed and recommended for approval by the evaluation committee; and

WHEREAS, it is the desire of the Council of the City of Montgomery to enter into a contract with Strand Associates, Inc. to perform Stage II design and engineering services for the City in conjunction with the Intersection Improvement Project at Pfeiffer Road and Deerfield Road.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Montgomery, Hamilton County, Ohio, that:

SECTION 1. The City Manager is hereby authorized to enter into a contract with Strand Associates, Inc. for professional services to be provided to the City of Montgomery for Stage II design and engineering services for the intersection improvements and related traffic improvements for the Pfeiffer/Deerfield Road Intersection Modification Project as outlined in Exhibit A attached.

SECTION 2. The City Manager is hereby authorized to pay Strand Associates, Inc. according to the rates set forth in said schedule within the anticipated project scope of \$165,031.00 for Stage II Design which includes all necessary subcontractors for surveying and engineering.

SECTION 3. The City Manager is additionally authorized to seek appropriate grant funding for these services.

SECTION 4. This Resolution shall be in full force and effect from and after its passage.

PASSED: September 2, 2020

Connie M. Gaylor, Clerk of Council

APPROVED AS TO FORM:

Terrence M. Donnellon, Law Director

Strand Associates, Inc.



615 Elsinore Place, Suite 32t Cincinnati, OH 4520; (P) 513-861-560; (E) 513-861-560;

August 12, 2020

Gary Heitkamp, Public Works Director City of Montgomery 10101 Montgomery Road Montgomery, OH 45242 Sent via e-mail

Re:

Pfeiffer Road and Deerfield Road Roundabout Project - Part 2 HAM-CR284-1.33, PID 107130

Dear Gary,

On behalf of Strand Associates, Inc. (Strand), thank you for the opportunity to provide this Proposal to assist the City of Montgomery (City) with Engineering Services (Services) related to Part 2 of the Pfeiffer Road and Deerfield Road Roundabout Project (HAM-CR284-1.33, PID 107130). This Proposal describes the Project Narrative, Schedule, and Compensation.

Project Narrative

This project involves the construction of a modern single lane roundabout at the intersection of Pfeiffer Road (CR 284) and Deerfield Road. This Proposal is for Part 2 of the project which will continue design of the roundabout alternative chosen from the feasibility study and advanced through Stage 1 design in Part 1 of the project. Part 2 will entail Stage 2 Design through Final Engineering and Right of Way as well as Construction.

A narrative for each task in the Part 2 contract is provided in the enclosed Fee Proposal Spreadsheet. Following is additional information for some of the tasks included in the Part 2 contract.

Stage 2 Design

- The tasks under Stage 2 Design are included to provide the design and drawings required to meet the project objectives and scope.
- Key project parameters developed from Stage 1 Design that influenced the hours included in the Fee Proposal Spreadsheet include:
 - o Project length is approximately 200 feet along each approach.
 - Project includes seven driveways.
 - o The schedule for the Stage 2 is anticipated to be four months (September 2020 to January 2021).
 - We anticipate the Stage 2 drawing set will include approximately 37 sheets.
- Tasks under Task 2.2E Underserved Population Evaluation will be performed by Crawford, Murphy & Tilly, Inc (CMT).
- Tasks under Task 3.3.F Lighting Plan will be performed by CMT
- Tasks under Task 3.4-Right of Way Plans will be performed by G.J. Berding Surveying, Inc. (Berding).
- Tasks under Task 3.5 Prepare Environmental Document and Task 3.6 Environmental Commitment Plan Notes will be performed by CMT.

Gary Heitkamp City of Montgomery Page 2 August 12, 2020

- The following Tasks will be If-Authorized. These tasks are detailed in CMT's proposal:
 - Noise Analysis
 - o Phase I Cultural Resource Survey
 - o Regulated Materials Review Assessment

Final Engineering and R/W Phase

- Key project parameters that influenced the hours included in the Fee Proposal Spreadsheet include:
 - The schedule for the Stage Final Engineering is anticipated to be twelve months (January 2021 to January 2022).
 - o We anticipate the Final Drawing set will include approximately 44 sheets.
- Tasks under Task 4.1 Right of Way Acquisition will be performed by Heritage Land Services, Inc (HLS).
- Tasks under Task 4.2.A.K Lighting Subsummary, Task 4.2.A.R. Lighting Notes, and Task 4.2.E.A Lighting Details will be performed by CMT.

Construction Phase

 Task includes 24 hours for on-going services during construction and assumes 3 hours per month for 8 months (two 4 month construction seasons).

Schedule

Services will begin upon execution of an Engineering Services Agreement, which is anticipated on or around September 1, 2020. At this point, we anticipate maintaining the schedule in ELLIS.

Compensation

The estimated fee was developed following Volume 4 of the ODOT Consultant Fee Estimation Guidance document.

A brief summary of tasks by consultant is as follows:

- Strand (Prime Consultant): Stage 2 and Final Design (roadway, roundabout, traffic control, maintenance of traffic)
- Berding: Right of way plans
- CMT: Environmental services and lighting design
- HLS: Right of way acquisition services

A breakdown of fees by consultant is shown in the following table.

Authorized Tasks

Consultant	Stage 2 Design	Final Engineering and R/W Phase	Construction Phase	Total
Strand	\$44,646	\$24,339	\$3,509	\$72,494
Berding	\$10,448	\$0	\$0	\$10,448
CMT	\$31,125	\$6,964	\$0	\$38,089
HLS	\$0	\$44,000	\$0	\$44,000
Total	\$86,219	\$75,303	\$3,509	\$165,031

Gary Heitkamp City of Montgomery Page 3 August 12, 2020

If-Authorized Tasks

Consultant	Stage 2 Design	Final Engineering and R/W Phase	Construction Phase	Total
CMT	\$20,193	\$0	\$0	\$20,193
Total	\$20,193	\$0	\$0	\$20,193

Enclosed with this letter are the following:

- 1. Fee Proposal Spreadsheet, including subconsultants.
- 2. Subconsultant proposals.
- 3. Strand's audited overhead rate.

Strand appreciates the opportunity to assist the City with this project. If you have any questions, please feel free to contact me at (513) 861-5600.

Sincerely,

STRAND ASSOCIATES, INC.®

Jeff Heimann, P.E.

Prime Consultant Proposal - Strand Associates, Inc. Includes all subconsultant fees

C-R-S	HAM-CR284-1.33		PF	ROPOS	SAL LA	ABOR S	SUMM	ARY				Version: Feb 2017
Consultant:	Strand Associates, Inc.											
Agreement No.												
Modification No.	1				V							
PID No.	107130											
Proposal Date	8/12/2020											
		No. of Units	Principal	Project Manager	Senior Engineer	Survey Field Crew	Professional Surveyor	Engineer	Technician	Clerical		Total
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C-R-S	HAM-CR284-1.33		PF	ROPOS	SAL LA	ABOR	SUMM	ARY				Version: Feb 2017
Consultant:	Strand Associates, Inc.											
Agreement No.												
Modification No.	1											
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Consultant: Str.	and Associates, Inc.								1			
Agreement No.									1			
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		No, of Units	Principal	Project Manager	Senior Engineer	Survey Field Crew	Professional Surveyor	Engineer	Technician	Clerical	-	Total .
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3.3.E.J - MOT Coordi											0	
	ructability Coordination										0	
3.3.E.M - Crossover F 3.3.E.M.1 - Crosso Design, Superelev	Pavement Sections and Earthwork Plan and Profile ver Plan and Profile - Horizontal & Vertical ration Design & Table ver Plan and Profile - Plan & Profile Sheets		1,002				esch:				0	21.01-544523
	ver Plan and Profile - Cross Section Sheets										- 0	
	orary Access Details emporary Access Details - Temporary Drive	ir the			of the same		Average 1				C 1545	
Access 3.3.E.N.2 - MOT Te Access	emporary Access Details - Temporary Ramp										0	3
Zone Access Detai 3.3.E.O - Miscellaneou 3.3.E.O.1 - Miscella 3.3.E.O.2 - Miscella	us MOT Details aneous MOT Details - Plan Insert Sheets aneous MOT Details - Custom Detailing		1494-14-04	Smin-	Hjihani.		M-10				0	= 16.50 km (s)
3,3,E,P - PIAC/Incenti	ve Funds Request										0	
3.3.F - Lighting Plan							Marie California				THE PARTY NAMED IN	Telephone Co.
3,3,F,A - Lighting Anal											0	
3.3.F.B - Power/Circui											o	
3.3.F.C - Lighting Plan 3.3.F.D - Voltage Drop 3.3.F.E - Power Service	Calculations										0	
3.3.G - Landscape Plan		THE REAL PROPERTY.	STATE OF THE	The same of the same of							Ü	
3.3.G.A - Landscape F	Plan and Details							2	4		6	\$23
3.3,G.B - General Note									,		0	325
	s k out for each bridge separately)							olowale,			o	
3.3.I.A Bridge Plans 3.3.I.B Structure Ratio											0	\$
3.3.J - Utilities	9										0	\$
	nation and Documentation	1000		2				40				
3.3.J.B - Water Works								10	2	2	16	\$68
3.3.J.C - Water Works											- 0	5
3.3.J.D - Sanitary Sew				-							- 0	s
3.3.K - Geotechnical Serv		SATELET SERVICE	THE RESIDENCE OF THE PARTY OF T	Marine Marine				AND DESCRIPTION			No. of the last of	3
	echnical Investigation and Report			1								
patenting the par	TOTAL 3,3 - Stage2		0	13	0	0	0	122,5	157	2	294,5	\$11,89
4 - Right of Way Plans				SUCCESSION SECTION		I COLUMN TO THE REAL PROPERTY.						
3.4.A Conceptual Right of 3.4.B - Preliminary Right of	f Way Plan Review of Way Plans	×25500										
3,4,B,A - Legend Shee				1						1000	0	s

C-R-S	HAM-CR284-1.33		PF	ROPOS	SAL LA	ABOR	SUMM	ARY				Version: Feb 2017
Consultant:	Strand Associates, Inc.											
Agreement No.												
Modification No. 1											51100000	
PID No.	07130		1						1 1			
	1/12/2020								1			
		No. of Units	Principal	Project Manager	Senior Engineer	Survey Field Crew	Professional Surveyor	Engineer	Technician	Clerical		Total
Task Description 3.4.B.B - Centerline	e Survey Plat		\$107.00	\$58.00	\$72.00	\$0.00	\$0.00	\$43.00	\$37.00	\$32.00	Hours	Cost
3.4.B.C - Property									-		0	
	of Additional Right of Way		200000000000000000000000000000000000000								0	
3.4.B.E - Detailed F									-		- 0	-
3.4.B.F - Special P	lats										ا ا	
	scriptions and Closure Calculations										0	
	Vay Acquisition Estimate										0	
3.4.B.I - Field Revie											0	
3.4.C - Final Right of V		STOWN	and the same		The state of the s		PER PROPERTY AND INC.		A THE PERSON NAMED IN		To sill to the	the second second
3,4,C,A Final Right											0	
3.4.C.B- Field Revi	ew & Verify Property Owners										0	
3.4.C.C - Record C	enterline Plat and all appropriate documents										0	
3.4.C.D - Set R/W I	Pins after acquisition										0	
	TOTAL 3.4 - Right of Way Plans		0	0	0	0	0	0	0	0	0	
3.5 - Prepare Environme			-									
		distributed.							DESCRIPTION OF THE PARTY OF THE	The state of the s	THE PERSON	
3.5.A - Prepare Enviro												
ASIA REPORTED AND ADDRESS OF THE PARTY OF TH	TOTAL 3.5 - Prepare Environmental Document		0	0	0	0	0	0	0	0	0	
	nmitments and Plan Notes	UAS BEST	MISSEN IS	CONTRACTOR OF THE PARTY OF THE	allege la	DELLINE.	INCESSED SI		Over United	BEN METERS	No. of Control	10 NE 10 / 12
	Commitment Plan Notes											
TOTAL 3.6	- Environmental Commitments and Plan Notes		0	0	0	0	0	0	0	0	0	
. W P1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												
3.7 - Final Mitigation Pla		010000000000000000000000000000000000000										
3.7.A - Mitigation for C 3.7.B - Mitigation for S											0	
3.7.C - Mitigation for W											0	
3.7.D - Mitigation Plan											0	
	OTAL 3.7 - Final Mitigation Plans Coordination										0	
	JIAL 3,7 - Final Mitigation Plans Coordination	THE PARTY	0	0	0	0	0	0	0	0	0	
3.8 - Prenare Cost Estin	nates and Revise Milestone			ORIGINAL SEC	CHANGESTA	STATE OF SE						
3,8,A - Roadway/Interd			Access to the second	2	Manual Control of the	the second		10	Carl Land	A. C. C. C. C. C.	12	\$5
3.8.B- Structures Cost								10			12	33
3.8.C- Utility Costs											-	
	Prepare Cost Estimates and Revise Milestone		0	2	0	0	0	10	0	0	12	\$5
		THE RESERVE		2	U	0	0	10	U	U	12	\$5
	nt for Environmental Engineering Phase	WGO VE	BEET OWN	WALL TO	DESCRIPTION OF	KELLEY OF	11-11-11-11	S I I I I I I I I		NOTES Y	ALCON	
3.9.A - Meetings				5				5			10	\$50
3.9.B - General Oversi	ght		2	16	2			8			28	\$1,6
3.9.C - Project Set Up				- ''	-						0	31,0
3.9.D - Non Routine (S	oft) Items										ő	
	TOTAL 3.9 - Project Management for	1000	CHANGE STATE		Stranger of the		Kala Santa		Control of the Control		S.0-95550	Contract of the last of the la
	Environmental Engineering Phase	SOA DO	2	21	2	0	0	13	0	0	38	\$2,13
3.10 - Limited Review		-									Automotive and	
3.10 - Limited Review 3.10.A - QA/QC for Lim	oited Paulaus	MURKE	S ROLLING	Section 1	ALC: UNION	OF THE PARTY OF		Dec Street		SEXT EXCEPT IN	TO SE	HERMAN
J. IV.A - QAUGO IOF LIT	TOTAL 3.10 - Limited Review											
	TOTAL 3.10 - Limited Review	ELECTION OF	0	0	0	0	0	0	0	0	0	
				- 1			L.					

C-R-S	HAM-CR284-1.33		PF	ROPOS	SAL LA	ABOR	SUMM	ARY				Version: Feb 2017
Consultant:	Strand Associates, Inc.						1					
Agreement No.												
Modification No.	1											
PID No.	107130											
Proposal Date	8/12/2020										_	
- Toposai Bate	W. I. J. E. E. E.	No. of Units	Principal	Project Manager	Senior Engineer	Survey Field Crew	Professional Surveyor	Engineer	Technician	Clerical		Total
Task Descriptio			\$107.00	\$58.00	\$72.00	\$0.00	\$0.00	\$43.00	\$37.00	\$32.00	Hours	Cost
	Total - 3 Environmental Engineering Phase		2	36	2	0	0	145.5	157	2	344.5	\$14,57
4 - Final Engine	eering and R/W Phase		TEU SE	1362			ALCON .			No. 14	R/AN	No.
4.1 - Right of Way Ad												
4.1.A - Right of Wa												
	TOTAL 4.1 - Right of Way Acquisition		0	0	0	0	0	0	0	0	0	\$
1,2 - Stage 3 Detailed	d Design Plans		osom etako	(405-00)		is particular		NP LONE	OLY SELFIE	No.		
4.2.A - Quantities a	and Notes	la mariante			Service of							STATE OF THE PARTY
	nent Subsummary										0	s
	ge Subsummary			1				3	4		8	\$33
	vay Subsummary		//S-1111-2-1-1152	1				8	9		18	\$73
4.2.A.D - Not us											0	\$
	nance of Traffic Subsummary			1				1	1		3	\$13
	nent Marking Subsummary			1				4	7		12	\$48
4.2.A.G - Signing 4.2.A.H - Signal				11				4	7		12	\$48
	Vall Subsummary										0	S S
	ng Wall Subsummary										0	
4.2.A.K - Lighting											1 9	s
42AL-Landso	ape Subsummary								-		0	S S
4.2 A M - Genera	al Summary Sheet			1	-			11	12		24	\$97
	Estimated Quantities Sheet	-						11	12		24	\$97
	rcing Steel Schedule										1 3	S
4,2,A,P - Genera	al Notes							2	2		4	\$16
4.2.A.Q - Drivew	ay Subsummary or Driveway Details (if included on								-		1	310
same sheet)								4	4		в	\$32
4.2.A.R - Lighting											ō	SI
4.2.A.S - Bridge										1	0	ŞI
	g Plan Subsummary										0	SI
4.2.B - Traffic Signa				WHILE SH							Torone	
4.2.B.A - Wiring of 4.2.B.B - Timing	diagram & pole orientation										0	\$1
	on Views of Mast Arm Poles										0	\$(
4.2.B.D - Traffic S											0	\$(\$(
	affic Surveillance)										0	\$(
4.2.C - Signing Plan		STATE OF THE PARTY.		WAS IN THE PARTY.			ALCOHOLD STREET		SHILL TO DECK	and the latest and the	0	
4.2.C.A - Signing				1				2	3		6	\$25
4.2.C.B - Elevation	on View of Major Signs			-					·		0	\$25
4.2.C.C - SignCA	ND .										0	\$
4.2.D - Miscellaneou		EX THE		No. of Concession, Name of Street, or other party of the last of t			BELLEVILLE BELLEVILLE	NAME OF TAXABLE PARTY.	DECKE STATE		The same	SHAP BUT
	Railroad Agreement										o	5
4.2.D B - Prepare	FAA Form 7460-1 for Airway/Highway Clearance										0	\$
4.2.D C - Project	Site Plan			1				1	2		4	\$17
42 D.D Undate	Systems Engineering Analysis		/								0	\$

C-R-S	HAM-CR284-1,33		PF	ROPOS	SAL L	ABOR S	SUMM	ARY				Version: Feb 2017
Consultant:	Strand Associates, Inc.								T			1000000000000
Agreement No.	onaria rissociates, ma.								-			
Modification No.	1											
PID No.	107130				1							
Proposal Date	8/12/2020	No. of Units	Principal	Project Manager	Senior Engineer	Survey Field Crew	Professional Surveyor	Engineer	Technician	Clerical	Ι .	Total
Task Description	on line Construction Schedule		\$107.00	\$58.00	\$72.00	\$0.00	\$0.00	\$43.00	\$37.00	\$32.00	Hours	Cost
4.2.D.F - Not us											0	
4.2.D.G - Title 5				1				2	1		4	\$1
4.2.E - Lighting Pla			1000		The second							
4.2.E.A - Lightin											0	
4.2.E.B - Lightir	ng Details - Underpass Lighting TOTAL 4.2 - Stage 3 Detailed Design Plans		-								0	
	TOTAL 4.2 - Stage 3 Detailed Design Plans	The same of the sa	0	9	0	0	0	42	52	0	103	\$4,2
4,3 - Prepare Cost E	stimates and Revise Milestone	PAUL EC	CONTRACTOR				STATE OF THE PARTY	NEED CONTRACT		A SUDIE	PARCE OF	STREET, SQUARE, SQUARE,
4.3.A - Roadway/li 4.3.B- Right of Wa	зу			1				11			12	\$5
4.3.C- Structures 0											0	
4.3.D - Utility Costs	s I.3 - Prepare Cost Estimates and Revise Milestone										0	
IOIAL4	1.3 - Prepare Cost Estimates and Revise Milestone		0	1	0	0	0	11	0	0	12	\$5
4.4 - Final Plan Pack	kage	Manual St.						THE CONTRACT		THE RESERVED	DESCRIPTION OF	
4.4.A - Submission	n of Final Tracings and Documentation			4	1			4	3		11	\$5
	4.4 - Final Plan Package	The set of	0	4	0	0	0	4	3	0	11	\$51
	ement for Final Engineering and Right of Way		Elegation of			PARTIE NAME OF THE PARTY NAME	The state of the s			WILLIAM STATE		E EMPLOYED
4.5.A - Meetings 4.5.B - General Ov				2,5				2.5				\$25
4.5.C - Project Set			2	18	2			11			33	\$1,87
4.5.D - Non Routin	ne (Soft) Items										0	
	t Management for Final Engineering and Right of Way Phase	VAN B	2	20.5	2	0	0	13.5	0	0	38	\$2,1
1.6 - Pre-Bid Activitie	es	ekaningi.	PARTY STATE OF THE PARTY	PHILIP STREET,		E CONTRACTOR OF THE PARTY OF TH		10 PM - 6-59			SCHOOL SHOW	Sort Control
4.6.A - Pre-Bid Que		DOM: NO.	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Ow	5		and the same of th	TO STATE OF THE PARTY OF THE PA	5			10	\$50
	TOTAL 4.6 - Pre-Bid Activities	No Post State	0	5	0	0	0	5	0	0	10	\$50
I.7 - Limited Review		HAVE	CONTRACTOR OF THE PARTY			(I) +202×48		// Table 1971	and the latest		N. D. S.	OF CENTRAL
4.7.A - QA/QC for I												
	4.7 - Limited Review		0	0	0	0	0	0	0	0	0	
	TOTAL - Final Engineering Phase		2	39.5	2	0		75.5		_	174	\$7.930.50
	TOTAL - Final Engineering Phase		2	39.5	- 2	0	0	/5.5	55	0	1/4	\$7,930,50
5 - Constructio	on Phase	F.E.W				P.AV	OFF		New York		Yesh	SECTION .
	rvices during Construction			Name of Street						The second second		Name and Address of the Owner, where
	Services During Construction			8				16			24	\$1,15
TOTA	L 5.1 - On-going Services during Construction	S IEVE	0	8	0	0	0	16	0	0	24	\$1,15
CHARLES TO SERVICE AND ADDRESS OF THE PARTY	TOTAL Construction Phone							-				
The state of the s	TOTAL - Construction Phase		0	8	0	0	0	16	0	0	24	\$1,152.00
	TOTAL AUTHORIZED PARTS		4	83.5	4	0	0	237	212	2	542.5	\$23,658,00
				6 of 7				201	414	-	342,3	920,000.00

C-R-S	HAM-CR284-1.33		PF	ROPOS	SAL LA	ABOR	SUMMA	ARY				Version: Feb 2017
Consultant:	Strand Associates, Inc.											
Agreement No.												
Modification No. PID No.	1 107130											
Proposal Date	8/12/2020	No. of Units	Principal	Project Manager	Senior Engineer	Survey Field Crew	Professional Surveyor	Engineer	Technician	Clerical		Total
Task Descriptio	on		\$107.00	\$58.00	\$72.00	\$0.00	\$0.00	\$43.00	\$37.00	\$32.00	Hours	Cost
IF-AUTHORIZ	ED TASKS:			No law	15 5 5	ESSON.	1 45E (a			element of	Sec.	
											0	
											o	5
	TOTAL IF-AUTHORIZED PARTS											
	GRAND TOTAL		4	83.5	4	0	0	237	212	2	542.5	\$23,658.00

C-R-S	HAM-CR284-1.33			PRC	POSA	AL COS	ST SU	MMA	RY		Version: Feb 2017
Consultant: Agreement No.	Strand Associates, Inc.			State Aver	age Overhead	i Rate	157.26%				
Modification No.	1			Consultant	Overhead R	ate:	153,10%				
PID No.	107130			Cost of Mo	ney:		2.38%				
Proposal Date	8/12/2020			Net Fee Pe	rcentage:		11%				
/		No. of Units	Average Hourly	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Descriptio	n		Rate	Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
AUTHORIZED T	ASKS:	Total Total	MIN								Al sell

	HAM-CR284-1.33			PRO	POSA	L COS	T SU	MMAF	RY		Version: Feb 2017
Consultant:	Strand Associates, Inc.										
Agreement No.	0			State Avera	ge Overhead	Rate	157.26%	1			
Modification No.	1				Overhead Rai		153,10%				
PID No.	107130			Cost of Mor			2.38%				
Proposal Date	8/12/2020			Net Fee Per			11%				
1111		No. of Units	Average Hourly	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Descriptio	on		Rate	Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
2.2.B - Cultural Re	esources Scoping Request From	6	#DIV/0!	0	\$0	\$0	\$0	\$0		\$0	\$0
2.2.C - Ecological	Survey Report		#DIV/0!	0	\$0	\$0	\$0	\$0		so	\$0
	ntal Site Assessment Screening		#DIV/01	0	\$0	50	50	50		so	SC
2.2.E - Social and	Economic Resources		#DIV/0!	0	\$0	\$0	50	50	\$946	50	\$946
2.2.F - 4(f) determi	inations		#DIV/0!	0	\$0	so	\$0	\$0	\$0	\$0	\$040
2.2.G - Noise Anal	ysis		#DIV/0!	0	so	\$0	SO	SO	SO SO	\$0	\$0
2.2.H - Noise Anal	ysis - Public Involvement		#DIV/0!	0	\$0	\$0	50	50	50	\$0	\$0
2.2.I - Phase I Cul	tural Resource History/Architecture Survey		#DIV/0!	0	\$0	\$0	50	\$0	SO	so	so
	TOTAL 2.2 - Perform Environmental Field Studies		#DIV/0!	0	\$0	\$0	\$0	\$0	\$946	\$0	\$946
	ntal Engineering Phase										
	Itural Archaeological	-	#DIV/01	0	so	so	so	\$0	so	so	SC
3.1.B - Phase II Cu	Iltural Resource History/Architecture Survey		#DIV/0!	0	50	SO	so	so	SO	so	\$0
) Determination		#DIV/0!	0	so	SO	\$0				
3.1.C - Section 4 (1					30		30	50	SO	SOI	SC
	vironmental Site Assessment		#DIV/0!	0				\$0 \$0	\$0 \$0	\$0 \$0	
					\$0 \$0	\$0 \$0	\$0 \$0	\$0	\$0	\$0	\$0
3.1.D - Phase I End 3.1.E - Farmland S 3.1.F - Secondary	tudies and Cumulative Review		#DIV/0!	0	\$0	\$0	\$0			\$0 \$0	\$0 \$0
3.1.D - Phase I End 3.1.E - Farmland S 3.1.F - Secondary	tudies		#DIV/0! #DIV/0!	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0 \$0	\$0 \$0
3.1.D - Phase I End 3.1.E - Farmland S 3.1.F - Secondary 3.1.G - Address NE 3.1.H - Relocation	tudies and Cumulative Review EPA Specific Environmental Justice Issues Assistance Program Conceptual Survey		#DIV/0! #DIV/0! #DIV/0!	0 0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0
3.1.D - Phase I End 3.1.E - Farmland S 3.1.F - Secondary 3.1.G - Address NE 3.1.H - Relocation	tudies and Cumulative Review EPA Specific Environmental Justice Issues		#DIV/0! #DIV/0! #DIV/0! #DIV/0!	0 0 0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0	\$0 \$0 \$0 \$0
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary 3 3.1.G - Address NE 3.1.H - Relocation 3 3.1.I - Biological As 3.1.J Not Used	tudies and Cumulative Review PA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species		#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	0 0 0 0	\$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary a 3.1.G - Address NE 3.1.H - Relocation a 3.1.I - Biological As 3.1.J Not Used 3.1.K- Determine R	tudies and Cumulative Review EPA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments		#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0
3.1.D - Phase I En 3.1.E - Farmland S 3.1.F - Secondary 3 3.1.G - Address NE 3.1.H - Relocation 3 3.1.J - Biological As 3.1.J Not Used 3.1.K- Determine F 3.1.L - Determine F	tudies and Cumulative Review EPA Specific Environmental Justice Issues Assistance Program Conceptual Survey assesment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway		#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary : 3.1.F - Secondary : 3.1.J - Relocation : 3.1.J - Biological As 3.1.J - Not Used 3.1.K- Determine R 3.1.L - Determine F 3.1.M - Waterway P	tudies and Cumulative Review EPA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit		#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!	0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary 3.1.G - Address NE 3.1.H - Relocation. 3.1.I - Biological As 3.1.J Not Used 3.1.K- Determine R 3.1.L - Determine R 3.1.M - Waterway P 3.1.N - Stream and	tudies and Cumulative Review PA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report		#DIV/0!	0 0 0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary : 3.1.G - Address NB 3.1.H - Relocation 3.1.I - Biological As 3.1.J Not Used 3.1.L - Determine R 3.1.L - Determine F 3.1.M- Waterway P 3.1.M- Waterway P 3.1.D - Phase II Em	tudies and Cumulative Review EPA Specific Environmental Justice Issues Assistance Program Conceptual Survey sessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report		#DIV/0!	0 0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary 3.1.F - Secondary 3.1.H - Relocation . 3.1.I - Biological As 3.1.J Not Used 3.1.K - Determine R 3.1.L - Determine R 3.1.M - Waterway P 3.1.N - Stream and 3.1.O - Phase II Em 3.1.P - Air Quality A	tudies and Cumulative Review EPA Specific Environmental Justice Issues Assistance Program Conceptual Survey assessment for Federally Listed Species stight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report wironmental Site Assessment nalyses		#DIV/0!	0 0 0 0 0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary 3 3.1.F - Secondary 3 3.1.H - Relocation 3 3.1.J Not Used 3.1.K - Determine F 3.1.L - Determine F 3.1.M - Waterway P 3.1.N - Stream and 3.1.O - Phase II Em 3.1.P - Air Quality A 3.1.P - Air Quality A	tudies and Cumulative Review PA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report vironmental Site Assessment nalyses vey		#DIV/0!	0 0 0 0 0 0 0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary 3.1.G - Address NE 3.1.H - Relocation. 3.1.I - Biological As 3.1.N Not Used 3.1.K - Determine R 3.1.L - Determine R 3.1.M - Waterway P 3.1.N - Stream and 3.1.O - Phase II Em 3.1.P - Air Quality A 3.1.C - Mussel Sur 3.1.R - FIS Analysi	tudies and Cumulative Review EPA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report vironmental Site Assessment nalyses vey s, Revisions, and Coordination		#DIV/0!	0 0 0 0 0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary 3.1.G - Address NE 3.1.H - Relocation. 3.1.I - Biological As 3.1.J Not Used 3.1.K- Determine R 3.1.L - Determine R 3.1.M - Waterway P 3.1.N - Stream and 3.1.D - Phase II Em 3.1.P - Air Quality A 3.1.P - FIS Analysi	tudies and Cumulative Review PA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report vironmental Site Assessment nalyses vey		#DIV/0!	0 0 0 0 0 0 0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary 3.1.F - Secondary 3.1.J - Biological As 3.1.J Not Used 3.1.K - Determine F 3.1.L - Determine F 3.1.M - Waterway P 3.1.N - Stream and 3.1.O - Phase II Em 3.1.P - Air Quality A 3.1.R - FIS Analysi TOTAL 3.1 - Ei	tudies and Cumulative Review PA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report vironmental Site Assessment nalyses vey s, Revisions, and Coordination nvironmental Field Studies and Refined Impacts		#DIV/0!	0 0 0 0 0 0 0 0 0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$	\$0 \$0 \$0
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary S 3.1.G - Address NE 3.1.H - Relocation S 3.1.H - Relocation S 3.1.H - Relocation S 3.1.H - Determine R 3.1.K - Determine R 3.1.L - Determine R 3.1.M - Waterway P 3.1.N - Stream and 3.1.O - Phase II Em 3.1.P - Air Quality A 3.1.Q - Mussel Sun 3.1.R - FIS Analysi TOTAL 3.1 - Ei	tudies and Cumulative Review EPA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report vironmental Site Assessment nalyses vey s, Revisions, and Coordination nvironmental Field Studies and Refined Impacts inglneering		#DIV/01	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary S 3.1.G - Address NE 3.1.H - Relocation S 3.1.H - Relocation S 3.1.H - Relocation S 3.1.H - Determine R 3.1.K - Determine R 3.1.L - Determine R 3.1.M - Waterway P 3.1.N - Stream and 3.1.O - Phase II Em 3.1.P - Air Quality A 3.1.Q - Mussel Sun 3.1.R - FIS Analysi TOTAL 3.1 - Ei	tudies and Cumulative Review PA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report vironmental Site Assessment nalyses vey s, Revisions, and Coordination nvironmental Field Studies and Refined Impacts		#DIV/0!	0 0 0 0 0 0 0 0 0 0 0 0 0	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary S 3.1.G - Address NE 3.1.H - Relocation S 3.1.H - Relocation S 3.1.H - Relocation S 3.1.H - Determine R 3.1.K - Determine R 3.1.L - Determine R 3.1.M - Waterway P 3.1.N - Stream and 3.1.O - Phase II Em 3.1.P - Air Quality A 3.1.Q - Mussel Sun 3.1.R - FIS Analysi TOTAL 3.1 - Ei	tudies and Cumulative Review EPA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report vironmental Site Assessment nalyses vey s, Revisions, and Coordination nvironmental Field Studies and Refined Impacts inglineering eening Study and Report		#DIV/01	000000000000000000000000000000000000000	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary : 3.1.G - Address NB 3.1.H - Relocation 3.1.I - Biological As 3.1.J Not Used 3.1.K - Determine R 3.1.M - Determine R 3.1.M - Waterway P 3.1.N - Stream and 3.1.O - Phase II Em 3.1.P - Air Quality A 3.1.Q - Mussel Sun 3.1.R - FIS Analysi TOTAL 3.1 - Ei 2 Stage 1 Value Engin	tudies and Cumulative Review EPA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report vironmental Site Assessment nalyses vey s, Revisions, and Coordination nvironmental Field Studies and Refined Impacts inglineering eening Study and Report		#DIV/01	000000000000000000000000000000000000000	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						
3.1.D - Phase I Em 3.1.E - Farmland S 3.1.F - Secondary S 3.1.F - Secondary S 3.1.H - Relocation S 3.1.H - Relocation S 3.1.I - Biological As 3.1.J Not Used S 3.1.K - Determine R 3.1.L - Determine R 3.1.L - Determine R 3.1.L - Detarmine R 3.1.L - Parase II Em 3.1.P - Air Quality A 3.1.O - Mussel Sun 3.1.P - Air Quality A 3.1.C - Mussel Sun 3.1.R - Fis Analysi TOTAL 3.1 - Ei 3.2.A - Value Engin 3.3.A - Value Engin 3.3.A - Value Engin 3.3.A - Value Engin	tudies and Cumulative Review PA Specific Environmental Justice Issues Assistance Program Conceptual Survey ssessment for Federally Listed Species tight of Way Encroachments Potential Right of Way from Railway ermit Wetland Opportunities Inventory Report vironmental Site Assessment nalyses vey s, Revisions, and Coordination nvironmental Field Studies and Refined Impacts inglineering eering Study and Report TOTAL 3.2 - Stage 1 Value Engineering		#DIV/01	000000000000000000000000000000000000000	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$						

C-R-S HA	M-CR284-1.33			PRO	POSA	L COS	T SU	MMAF	? Y		Version: Feb 2017
Consultant: Stra	nd Associates, Inc.										
Agreement No. 0				State Avera	ge Overhead	Rate	157.26%				
Modification No. 1					Overhead Rai		153.10%				
PID No. 1071	30	-		Cost of Mor			2.38%				
Proposal Date 8/12/											
Proposal Date 6/12	2020	No. of	Average	Net Fee Per	centage:		11%				
		Units	Hourly	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Description_			, Kutc	Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
3.3.A.C - General Note		1	\$41.00	6	\$246	\$377	\$6	\$60	\$0	\$70	\$75
3.3.A.D - Typical Section			\$40.45	20	\$809	\$1,239	\$19	\$210	\$0	\$229	\$2,50
3.3.A.E- Plan and Prof			\$39.92	72	\$2,874	\$4,400	\$68	\$750	50	\$813	\$8,90
3.3.A.F - Plan and Prof	ile - Crossroads		#DIV/01	0	50	50	so	so	\$0	\$0	S
3.3.A.G - Plan and prof	file - Ramps		#DIV/0!	0	50	50	so	so	\$0	\$0	S
3.3.A.H - Cross Section	ns		\$40.45	20	\$809	\$1,239	\$19	\$210	\$0	\$229	\$2,50
3.3.A.I - Intersection De	etails		\$40.45	20	\$809	\$1,239	\$19	\$210	\$0	\$229	\$2,50
3.3.A.J- Interchange G	eometrics & Details		#DIV/0!	0	\$0	50	SO	50	so	50	\$
3.3.A.K - Limited Acce	ss Fencing Plan		#DIV/0!	o	so	so	so	so	\$0	so	Š
3.3.B - Drainage		THE WAR		DESCRIPTION OF THE PARTY OF THE	T CHOCKE	I SAN PARTIES	OF REAL PROPERTY.				Market Balance
3.3.B.A - Storm Sewer	Profiles		\$43.00	2.5	\$108	\$165					
	Sheets including headwall and wingwall		#DIV/0!	2.5	\$108	\$165	\$3 \$0	\$15 \$0	\$0	\$30	\$32
3.3.B.C - Channel Relo		-	#DIV/0!	0	\$0 \$0	\$0			\$0	\$0	\$
3.3.B.D - Underdrain de			\$43.00	2.5	\$108	\$0 \$165	\$0	\$0	\$0	\$0	\$
3.3.B.E - BMP Details	stans		\$43.00	1,5	\$65	\$105	\$3 \$2	\$45 \$15	\$0	\$30	\$35
3.3.B.F - Temporary Dr.	ainage (MOT)		\$43,00	1.5	202	299	\$2	\$15	\$0	\$18	\$19
	y Drainage (MOT) - Adding Temporary		X= 111 /		1		F	1		- 233	
Drainage to Plans	y brainage (MOT) - Adding Temporary		#DIV/0!	0	so	so	so	so	\$0		
3 3 B F 2 - Temporar	y Drainage (MOT) - MOT Drainage		#D[V/0!		\$0	\$0	20	\$0	\$0	\$0	\$
Calculations) Brainage (MOT) - MOT Brainage		#DIV/0!	0	so	\$0	so	\$0	so		
	y Drainage (MOT) - Culvert Phasing Details		#DIV/01	0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$
3 3 B F 4 - Temporar	y Drainage (MOT) - Temporary Shoring		#DIV/0!	0	50	SO SO	\$0	\$0	SO SO	\$0	Ş
3,3.C - Traffic Control) brainage (MOT) Temporary Shoring		#DIV/0!		30	30	\$0	\$0	\$0	\$0	31
3.3.C.A - Pavement Ma	rking Plan		\$39.88	24	\$957	\$1,465	\$23	\$240	\$0	\$271	\$2,95
3.3.C.B - Signing Plan	ining Fidir		#DIV/01	0	\$957	\$1,465	\$23	\$240	\$0 \$0	\$2/1	\$2,95
3.3.D - Signals & ITS			#1010/01		30	\$0	\$0	30	\$0	\$0	,
The Control of the State of the Control of the State of t		Name and Address of									
3.3.D.A - Signal Plan St 3.3.D.B - Interconnect D			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$1
			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	S-
3.3.D.C - Systems Engi			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	SI
3.3.D.D - ITS (Traffic St 3.3.E - Maintenance of Tra			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$
										erearming a	
3.3.E.A - MOT General	0.0000		\$42.50	6	\$255	\$390	\$6	\$60	\$0	. \$72	\$78
3.3.E.B - Detour Plan- C			\$40.00	6	\$240	\$367	\$6	\$60	\$0	\$68	\$74
	te Lane Detour - Plan Sheet		\$40.00	4	\$160	\$245	\$4	\$30	\$0	\$45	\$48
3.3.E.D - Temporary Sig			#DIV/01	0	\$0	\$0	\$0	\$0	\$0	\$0	S
3.3.E.E - MOT Typical S			\$42.50	6	\$255	\$390	\$6	\$120	\$0	\$72	\$84
3.3.E.F - MOT Plan She			\$39.92	72	\$2,874	\$4,400	\$68	\$750	\$0	\$813	\$8,90
Proposed Signal)	gnal Details (Modification of Existing or										
Proposed Signal) – A	y Signal Details (Modification of Existing or Adjustments of Heads, Timing & Detection		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	S

C-R-S	HAM-CR284-1.33			PRO	POSA	L COS	T SU	MMAF	RY		Version: Feb 2017
Consultant:	Strand Associates, Inc.										
Agreement No.	0			State Avera	ge Overhead	Rate	157.26%				
Modification No.	1			-	Overhead Rat		153,10%				
PID No.	107130			Cost of Mor			2.38%				
Proposal Date	8/12/2020						1,550,000				
r roposur buto	0/12/2020	No. of	Average	Net Fee Per	centage:		11%				
		Units	Hourly	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Descriptio	n		Nate	Hours	Costs	Costs	Money	Costs	Costs		102101100
	emporary Signal Details (Modification of Existing or		-	Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
	inal) - Temporary Pole Placement		#DIV/0!	0	\$0	\$0	so	so	\$0		
	emporary Signal		#010/0!		\$0	\$0	20	\$0	\$0	\$0	
	ew Temporary Signal - Head Placement, Timing &		1,10,678	T .	-		Partie and	1			
Detection	on remperary digital - flead Flacement, filling &		#DIV/0!	0	\$0			\$0			
	w Temporary Signal - Temporary Pole Placement		#DIV/UI	- "	\$0	\$0	\$0	\$0	\$0	\$0	
& Power Sour	ce		#DIV/01	0	so	\$0	so	so	so		
3.3.E.I - Signaliz			#DIV/0!	0	\$0 \$0	\$0 \$0	\$0	\$0	\$0 \$0	\$0 \$0	
	oordination Discussions		#DIV/0!	0	SO	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	
	constructability Coordination		#DIV/0!	0	50	\$0	\$0	\$0	\$0	\$0	
	rary Pavement Sections and Earthwork		#DIV/0!	0	50	50	\$0	\$0	\$0	\$0	
	over Plan and Profile		#510/01		30	\$0	\$0	30	\$0	30	
	ossover Plan and Profile - Horizontal & Vertical		A COLUMN	L	1		1				
	relevation Design & Table		#DIV/0!	0	so	so	\$0	so	so		
	ossover Plan and Profile - Plan & Profile Sheets		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	
	ossover Plan and Profile - Cross Section Sheets		#DIV/0!	0	\$0	50	50	\$0	\$0	\$0	
	emporary Access Details		#510/01		201	\$0	301	\$0	\$0	\$0	
3.3.E.N.1 - MC	OT Temporary Access Details - Temporary Drive		TEST IN	1			A field and a first age	210127		mare rucke	
Access	Temperary / todado potano s Temperary Dilive		#DIV/0!	0	so	so	so	\$0	\$0	so	
	OT Temporary Access Details - Temporary Ramp		***********	U	\$0	Şu	\$0	\$0	\$0	\$0	
Access	Temporary Kamp		#DIV/01	0	so	\$0	so	so	so		
	OT Temporary Access Details - Contractor Work		#110/01	- 0	\$0	\$0	30	30	20	\$0	
Zone Access [#DIV/0!	0	so	\$0	so	so	so	so	5
	aneous MOT Details		#010/01		30	\$0	201	30	\$0	\$0	
	scellaneous MOT Details - Plan Insert Sheets	16 1101	#DIV/0!	0	so	so	so	so	so	so	
3.3.E.O.2 - Mis	scellaneous MOT Details - Custom Detailing		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
3.3.E.P - PIAC/In	centive Funds Request		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
3.3.F - Lighting Plan		NAME OF TAXABLE PARTY.	#DIV/UI	U	301	\$0	30	\$0	\$0	\$0	
3.3.F.A - Lighting		N. S. Line	#DIV/0!	0	so	\$0	so	so	\$2,979	so	\$2.97
	Dircuit Layout & Details		#DIV/0!	0	SO	\$0	50	50	\$1,998	\$0	\$1,99
	Plan and Details		#DIV/0!	0	\$0	\$0	\$0	\$0	\$6,216	\$0	\$6,21
	Drop Calculations		#DIV/0!	0	\$0	\$0	\$0	\$0	\$888	\$0	\$6,2
3.3.F.E - Power S			#DIV/0!	0	\$0	\$0	50	\$0	\$888	\$0	\$88
3.3.G - Landscape I		all reserves to	#DIV/OI		Şu	30	30	30	2000	\$0	\$00
	ape Plan and Details		\$39.00	6	\$234	\$358	\$6	\$45	so	\$66	\$70
3,3,G,B - Genera			#DIV/0!	0	\$234	\$338	\$0	\$0	\$0	\$00	\$70
3.3.H - Noise Wall D			#DIV/0!	0	\$0	\$0	50	\$0	\$0	\$0	
	(break out for each bridge separately)		WDIVIO!		30	\$0	30	90	φU	\$0	
3.3.I.A Bridge Pla		and the same of	#DIV/01	0	so	SO	so	so	\$0	\$0	
3.3.I.B Structure			#DIV/0!	0	\$0	\$0	50	\$0	\$0 \$0	\$0	
3.3.J - Utilities			#UIV/U!	J	\$0	\$0	φU	30	φU	\$0	A TORONOUS AND A SECOND
	pordination and Documentation		\$42.75	16	\$684	\$1.047	\$16	\$75	\$0	\$194	20.0
-1-1011 1 - Ottiniy Ot				5 of 10	\$684	\$1,04/	\$10	\$/5	\$0	5194	\$2,01

C-R-S	HAM-CR284-1.33		D13/17/2000	PRO	POSA	L COS	T SU	MMAF	RY		Version: Feb 2017
Consultant:	Strand Associates, Inc.					1					
Agreement No.	0			State Avera	ge Overhead i	Rate	157.26%				
Modification No.	1				Overhead Rat		153,10%				
PID No.	107130			Cost of Mor	The state of the s		2.38%				
Proposal Date	8/12/2020			Net Fee Per	_		11%				
. ropodar Batt	VIDENTO	No. of Units	Average	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
			Rate	Total	Luboi	Overmead	003(0)	Direct	Subcon	Net	Iotai
Task Descriptio	on			Hours	Costs	Costs	Money	Costs	Costs	Fee	0
3,3,J,B - Water			#DIV/0!	0	\$0	50	SO SO	SO	50	SO SO	Cost
	Works Details & Notes		#DIV/0!	0	\$0	\$0	\$0	50	\$0 \$0	\$0	\$0
3.3.J.D - Sanitar			#DIV/01	0	\$0	SO	\$0	\$0	\$0 \$0	\$0 \$0	\$(
3.3.K - Geotechnic	cal Services		WD14701		401	40	901	201	30	ŞU	30
3.3.K.A - Finaliz	e Geotechnical Investigation and Report		#DIV/0!	0	\$0	50	\$0	so	so	so	SC
	TOTAL 3.3 - Stage2	AVER DE	\$40,39	294,5	\$11,895	\$18,210	\$283	\$2,985	\$12.968	\$3,366	\$49,707
3.4 - Right of Way P	Hane	District Colons				***************************************				10100	
	Right of Way Plan Review	of Paris		STATE OF THE							
	Right of Way Plans		THE RESIDENCE		- 1		-		\$0	\$0	\$0
3.4.B.A - Legend		E W. BANK	#DIV/0!	0							
3.4.B.B - Center			#DIV/01	0	\$0 \$0	\$0	\$0	\$0	\$0	\$0	\$0
3.4.B.C - Proper			#DIV/01	0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$1,880	\$0	\$1,880
	ary of Additional Right of Way		#DIV/01	0	\$0	\$0	\$0	0.000	\$940	\$0	\$940
	d ROW Plan Sheets		#DIV/0!	0	50	SO.	\$0	\$0 \$0	\$1,049 \$3,038	\$0 \$0	\$1,049
3.4.B.F - Special			#DIV/0!	0	\$0	\$0	\$0	\$0	\$3,038	\$0	\$3,038 \$0
	Descriptions and Closure Calculations		#DIV/0!	0	\$0	50	50	\$0	\$2,495	\$0	\$2,495
	of-Way Acquisition Estimate		#DIV/0!	0	\$0	\$0	\$0	50	\$2,493	\$0	\$2,495
3.4.B.I - Field Re			#DIV/0!	0	\$0	SO	\$0	50	\$0	\$0	\$0
3.4.C - Final Right	of Way Plans		1101170		40		90	30	90	30	30
3.4.C.A Final Rig			#DIV/01	0	50	50	so	\$0	\$1,046	so	\$1,046
3.4.C.B- Field Re	eview & Verify Property Owners		#DIV/0!	0	\$0	\$0	so	50	S0	\$0	\$0
3.4.C.C - Record	Centerline Plat and all appropriate documents		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	50	so
3.4.C.D - Set R/\	W Pins after acquisition		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	50
	TOTAL 3.4 - Right of Way Plans		#DIV/01	0	\$0	\$0	\$0	\$0	\$10,448	\$0	\$10,448
3.5 - Prepare Environ	nmental Document	CONTRACTOR OF THE PARTY OF THE	STATE OF THE PARTY		FOR THE PERSON						STATE OF THE OWNER.
3.5.A - Prepare Env	vironmental Document		#DIV/0!	0	\$0	50	so	sol	\$12,596	\$0	\$12,596
	TOTAL 3.5 - Prepare Environmental Document	3/61/65	Maria						\$12,596		\$12,596
3.6 - Environmental (Commitments and Plan Notes		Name and Address of the Owner, where	THE RESERVE TO SERVE		THE REAL PROPERTY.					
	ital Commitment Plan Notes		#DIV/0!	0	col			STREET, STREET		DA TOYANGE	
	.6 - Environmental Commitments and Plan Notes	TATALED IN	#DIV/0!	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$831 \$831	\$0 \$0	\$831 \$831
7 - Final Mitigation	Plans Coordination	PINE IN	Sur-								
	r Cultural Resources		upp up			College Street					
3.7.B - Mitigation fo			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.7.C - Mitigation fo			#DIV/0! #DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	lan for Other Features		#DIV/0! #DIV/0!	0	\$0 \$0	\$0 \$0	\$0	\$0	\$0	\$0	\$0
	TOTAL 3.7 - Final Mitigation Plans Coordination	or treatment				• • •	\$0	\$0	\$0	\$0	\$0
	To the on - I mai willigation Flans Coordination	THE STREET	#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

C-R-S	HAM-CR284-1.33			PRO	POSA	L COS	T SU	MMAF	RY		Version: Feb 2017
Consultant:	Strand Associates, Inc.										
Agreement No.	0			State Avera	ge Overhead	Rate	157.26%				
Modification No.	1				Overhead Rat		153.10%				
PID No.	107130			Cost of Mon		-	2.38%				
Proposal Date	8/12/2020			Net Fee Per			11%				
Toposal bate	W12222	No. of Units	Average Hourly	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
			Rate	10141	Luboi	Overnoud	003001	Direct	Gubcon	1401	Total
Task Descriptio	n l		33545	Hours	Costs	Costs	Manage	Costs	Costs	Fee	
	stimates and Revise Milestone	CONTRACTOR OF STREET		Hours	Costs	Costs	Money	Costs	Costs	ree	Cost
3.8.A - Roadway/In			845.50	40	05.40	****		***		0455	
3.8.B- Structures C			\$45.50 #DIV/0!	12	\$546	\$836	\$13	\$90	\$0	\$155	\$1,63
3.8.C- Utility Costs			0.000.000.000.000		\$0	\$0	\$0	\$0	\$0	\$0	\$
			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$
TOTAL 3.	8 - Prepare Cost Estimates and Revise Milestone	MILE PARK	\$45,50	12	\$546	\$836	\$13	\$90	\$0	\$155	\$1,63
	ement for Environmental Engineering Phase		DE LEVER DE		Arsa salas				Service of the		
3.9.A - Meetings	9/ <		\$50.50	10	\$505	\$773	\$12	\$29	\$631	\$143	\$2,09
3.9.B - General Ov			\$58.21	28	\$1,630	\$2,496	\$39	\$180	\$2,523	\$461	\$7,32
3.9.C - Project Set			#DIV/01	0	\$0	\$0	\$0	\$0	\$631	so	\$63
3.9.D - Non Routine			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$
	TOTAL 3.9 - Project Management for Environmental Engineering Phase		\$56.18	38	\$2,135	\$3,269	\$51	\$209	\$3,785	\$604	\$10,05
240 11-4-4 0-4-											
3.10 - Limited Review 3.10.A - QA/QC for		Co. BRIDE									
3.10.A - QAVQC for			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	S
	TOTAL 3.10 - Limited Review	encimos	#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$
activity of the same of the sa	Total - 3 Environmental Engineering Phase		\$42.31	344.5	\$14,576	\$22,315	\$347	\$3,284	\$41,573	\$4,125	\$86,21
4 - Final Engine	eering and R/W Phase				N844.3.		HE RE	The Wiles	(7.7.1.E	172-571	
4.1 - Right of Way Ad	guietion				GC00042				250250		
4.1.A - Right of Wa			#DIV/0!	0	\$0	\$0	so	\$0	\$44,000	\$0	\$44,000
4, 1,A - Hight of tru	TOTAL 4.1 - Right of Way Acquisition	_	#DIV/0!	0	\$0	\$0	\$0	\$0	\$44,000	\$0	
			#DIV/0!	U	\$0	\$0	\$0	\$0	\$44,000	\$0	\$44,000
1.2 - Stage 3 Detailed	d Design Plans	15 7 197	STATE STATE			LINE A ROS					
4.2.A - Quantities a	nd Notes								St. 600 75.4		
4.2.A.A - Paveme			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.2.A.B - Drainag			\$41.88	8	\$335	\$513	\$8	\$90	\$0	\$95	\$1,04
4.2.A.C - Roadwa	ay Subsummary		\$40.83	18	\$735	\$1,125	\$17	\$135	\$0	\$208	\$2,22
4.2.A.D - Not use			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	nance of Traffic Subsummary		\$46.00	3	\$138	\$211	\$3	\$30	\$0	\$39	\$422
	ent Marking Subsummary		\$40.75	12	\$489	\$749	\$12	\$120	\$0	\$138	\$1,508
4.2.A.G - Signing			\$40.75	12	\$489	\$749	\$12	\$120	\$0	\$138	\$1,50
4.2.A.H - Signal S			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	S
4.2.A.I - Noise W			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$(
4,2,A,J - Retainin	g Wall Subsummary		#DIV/0!	0	so	SO	so	50	\$0	so	SO

C-R-S	HAM-CR284-1.33			PRO	POSA	L COS	T SU	MMAF	RY		Version: Feb 2017
Consultant: Agreement No.	Strand Associates, Inc.			State Avera	ge Overhead	Pate	157,26%				
Modification No.	1										
PID No.	107130				Overhead Rat	te:	153.10%				
Proposal Date	8/12/2020			Cost of Mor			2.38%				
Proposal Date	8/12/2020	No. of	Average	Net Fee Per	centage:		11%				
		Units	Hourly	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
			Rate							- 1.01	10141
Task Description	on		1/2/2005	Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
4.2.A.K - Lightin			#DIV/0!	0	\$0	\$0	SO SO	SO	\$1.519	\$0	\$1,5
4 2 A L - Lands	cape Subsummary		#DIV/0!	0	\$0	\$0	\$0	\$0	\$1,519	\$0	\$1,5
	ral Summary Sheet		\$40.63	24	\$975	\$1,493	\$23	\$360	\$0	\$276	\$3,1
	Estimated Quantities Sheet		#DIV/0!	0	\$0	\$0	\$0	\$300	\$0	\$0	33,1
	orcing Steel Schedule		#DIV/0!	0	\$0	SO SO	\$0	\$0	\$0	\$0	
4.2.A.P - Gener	al Notes		\$40.00	4	\$160	\$245	\$4	\$30	\$0	\$45	\$4
4.2.A.Q - Drivey	way Subsummary or Driveway Details (if included on		7,0,00	7	\$100	4245	34	\$30	40	443	24
same sheet)	,		\$40.00	8	\$320	\$490	88	\$90	so	\$91	SS
4.2,A,R - Lightin	ng Notes		#DIV/01	0	so	\$0	50	so	\$1,741	50	\$1,7
4.2.A.S - Bridge	General Notes		#DIV/01	0	\$0	\$0	so	\$0	so	\$0	
4.2.A.T - Fencir	ng Plan Subsummary		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
	nal Plans & ITS Plans							Wale state			
	diagram & pole orientation		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
4.2.B.B - Timing			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
	ion Views of Mast Arm Poles		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
4.2.B.D - Traffic	Signal Signs		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
			#DIV/01	0	\$0	\$0	\$0	\$0	\$0	\$0	
4.2.C - Signing Pla											
4.2.C.A – Signin			\$42.50	6	\$255	\$390	\$6	\$60	\$0	\$72	\$7
	ion View of Major Signs		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
4.2.C.C - SignC			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
4.2.D - Miscellaned											
	Railroad Agreement re FAA Form 7460-1 for Airway/Highway Clearance		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
4.2.D C - Projec			#DIV/01	0	\$0	\$0	\$0	\$0	\$0	\$0	
	Systems Engineering Analysis		\$43.75	- 4	\$175	\$268	\$4	\$45	\$0	\$50	\$5
	ne Construction Schedule		#DIV/0! #DIV/0!	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	
4.2.D.F - Not us			#DIV/0!	0	\$0				\$0 \$0	\$0	
4.2.D.G - Title S			\$45.25	4	\$181	\$0 \$277	\$0 \$4	\$0 \$30	\$0 \$0	\$51	\$5
4.2.E - Lighting Pla			\$45.25		2101	\$211	34	\$30	\$0	\$31	90
4.2.E.A - Lighting			#DIV/0!	0	\$0	so	50	so	52.407	\$0	\$2,4
	g Details - Underpass Lighting		#DIV/0!	0	50	\$0	50	\$0	\$2,407	50	32,41
	TOTAL 4.2 - Stage 3 Detailed Design Plans	UE COL	\$41,28	103	\$4,252	\$6,510	\$101	\$1,110	\$5,667	\$1,203	\$18,84
			V11.20	100	ψ+,2J2	\$0,010	9101	VI,110	45,007	\$1,203	910,04
3 - Prepare Cost E	stimates and Revise Milestone							I SAGRAN		NAME OF TAXABLE PARTY.	No. of Lot
4.3.A - Roadway/In			\$44.25	12	\$531	\$813	\$13	\$90		\$150	\$1.59
4.3.B- Right of Way			#DIV/01	0	\$0	\$0	50	\$0	\$0	\$0	\$
4.3.C- Structures C			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
4.3.D - Utility Costs			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	
TOTAL 4.	3 - Prepare Cost Estimates and Revise Milestone	101110	\$44.25	12	\$531	\$813	\$13	\$90	\$0	\$150	\$1,59
4 - Final Plan Pack	age	Market Company								The second second	

C-R-S	HAM-CR284-1.33			PRO	POSA	L COS	T SU	MMAF	RY		Version: Feb 2017
Consultant:	Strand Associates, Inc.										
Agreement No.	0			State Avera	ge Overhead i	Rate	157.26%				
Modification No.	1			Consultant	Overhead Rat	e:	153.10%				
PID No.	107130			Cost of Mor	ney:		2.38%		-		
Proposal Date	8/12/2020			Net Fee Per	centage:		11%				
		No. of Units	Average Hourly	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Description			Rate	Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
4,4,A - Submission	n of Final Tracings and Documentation		\$46.82	11	\$515	\$788	\$12	\$320	\$1,297	\$146	\$3,07
	4.4 - Final Plan Package		\$46.82	11	\$515	\$788	\$12	\$320	\$1,297	\$146	\$3,07
	ement for Final Engineering and Right of Way	MURRE	100000			(S) [188] 200				NO MARKET	
4.5.A - Meetings			\$50.50	5	\$253	\$387	\$6	\$14	\$0	\$71	\$73
4.5.B - General Ov			\$56.82	33	\$1,875	\$2,871	\$45	\$225	\$0	\$531	\$5,54
4.5.C - Project Set			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$1
4.5.D - Non Routin	ne (Soft) Items t Management for Final Engineering and Right of		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$1
TOTAL 4.5 - Projec	Way Phase		\$55.99	38	\$2,128	\$3,257	\$51	\$239	\$0	\$602	\$6,27
4.6 - Pre-Bid Activit	ies	13.00 N 10 E	CONTRACTOR OF THE PARTY OF			ALIGN NAME OF TAXABLE	Control of the last		THE PARTY OF THE P		
4.6.A - Pre-Bid Qu	estions		\$50.50	10	\$505	\$773	\$12	\$75	\$0	\$143	\$1,50
	TOTAL 4.6 - Pre-Bid Activities	S 148 1884	\$50,50	10	\$505	\$773	\$12	\$75	\$0	\$143	\$1,50
4.7 - Limited Review						Selfan Kray					
4.7.A - QA/QC for			#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$(
	4.7 - Limited Review		#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Manual markets	TOTAL - Final Engineering Phase	55,275	\$45.58	174	\$7,931	\$12,142	\$189	\$1,834	\$50,964	\$2,244	\$75,30
5 - Construction	on Phase		NEAD			TVS A	1500				
5.1 - On-going Se	rvices during Construction										
	Services During Construction		\$48.00	24	\$1,152	\$1,764	\$27	\$240	\$0	\$326	\$3,509
TOTA	L 5.1 - On-going Services during Construction	THE REAL PROPERTY.	\$48.00	24	\$1,152	\$1,764	\$27	\$240	\$0	\$326	\$3,509
	TOTAL - Construction Phase		\$48.00	24	\$1,152	\$1,764	\$27	\$240	\$0	\$326	\$3,509
			8	15 5 3					ary the con-		
	TOTAL AUTHORIZED PARTS		\$43.61	542.5	\$23,658	\$36,220	\$563	\$5,358	\$93,483	\$6,695	\$165,031
F-AUTHORIZED	TASKS:	With the second	SAGAR	W SATE ALL	NE COR		a lettera d	VAN A SA			
	D Noise Analysis		#DD//01		60		50	60	\$10.414	50	\$10.44
	Phase I Cultural Resource Survey		#DIV/0! #DIV/0!	0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$10,414	\$0 \$0	\$10,414 \$5,131
	Regulated Materials Review Assessment		#DIV/0!	0	\$0	\$0	\$0	\$0	\$4,648	\$0	\$4,648
	ga				30	90	40		47,070	40	\$4,04¢

C-R-S	HAM-CR284-1.33			PRO	POSA	L COS	T SU	MMAF	? Y		Version: Feb 2017
Consultant: Agreement No.	Strand Associates, Inc.			State Avera	ge Overhead	Rate	157,26%				
Modification No.	1			Consultant	Overhead Rat	le:	153.10%				
PID No.	107130			Cost of Mor	ney:		2,38%				
Proposal Date	8/12/2020			Net Fee Per	centage:		11%				
		No. of Units	Average Hourly	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Descriptio	n		Rate	Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
	TOTAL IF-AUTHORIZED PARTS	0 30000 	Historia Wales	\$0	\$0	\$0	\$0	\$0	\$20,193	\$0	\$20,193
	GRAND TOTAL			542,5	\$23,658	\$36,220	\$563	\$5,358	\$113,676	\$6,695	\$185,224

C-R-S	HAM-CR284-1.33			D	IRE	CT C	OST	S			Version: Feb 2017
Consultant:	Strand Associates, Inc.										
Agreement No.	0					es		Ę			
Modification No.	1	1				er;		ğ			
PID No.	107130					e ii	66	8	80	6	
Proposal Date	8/12/2020	0		100		G/D	oloc rge	Σ	ő	ő	
	G. F. L. L. C.	Mileage	Prints	Copies	Meals	Postage/Deliveries	Technoloogy Charge	Turning Movemen	Direct Cost 8	Direct Cost	Total
Task Description	Unit Cost:	\$0.57	\$2.00	\$0.15	\$12.00	\$0.50	\$15.00	\$30.00			
AUTHORIZED T											
the last of the la	Engineering Phase			8453							
	onmental Field Studies			CONTRACTOR OF THE PARTY OF THE	COLUMN THE REAL PROPERTY.						
2.2.A - Property Ov								1			\$0.0
2.2.C - Ecological S	sources Scoping Request From										\$0,0
	ntal Site Assessment Screening							-			\$0.0
	Economic Resources		-			-		-			\$0.0 \$0.0
2.2.F - 4(f) determine											\$0.0
2.2.G - Noise Analy								ľ			\$0.0
	sis - Public Involvement										\$0.0
	ural Resource History/Architecture Survey										\$0.0
	TOTAL 2.2 - Perform Environmental Field Studies	0	0	0	0	0	0				\$
	ntal Engineering Phase			946							
	tural Archaeological				The state of the s		THE REAL PROPERTY.				\$0.0
	Itural Resource History/Architecture Survey										\$0.0
3.1.C - Section 4 (f)											\$0.0
	rironmental Site Assessment										\$0.0
3.1.E - Farmland St	tudies				-						\$0.0
	and Cumulative Review									/	\$0.0
	PA Specific Environmental Justice Issues										\$0.0
3.1.H - Relocation A	Assistance Program Conceptual Survey										\$0.0
3.1.I - Biological As	sessment for Federally Listed Species										\$0.0
3.1.J Not Used											\$0.0
3.1.K- Determine R	ight of Way Encroachments										\$0.0
	otential Right of Way from Railway										\$0.0
3.1.M- Waterway Pe	ermit	1			1			1			\$0.0

C-R-S	HAM-CR284-1.33			D	IREC	CT C	OST	S			Version: Feb 2017
Consultant:	Strand Associates, Inc.										
Agreement No.	0					es S		š			
Modification No.	1		- 1			Postage/Deliveries		Tuming Movement			
PID No.	107130		1			eļ.	9	o e	80	6	1
Proposal Date	8/12/2020	Φ				0/9	g g	Σ	ဂ္ဂိ	ဂ္ဂ	
r roposar bate	0/12/2020	ga	\$	Copies	8	itag	Ę Ŗ	Ę	Direct Cost 8	Direct Cost 9	5
		Mileage	Prints	õ	Meals	Pos	Technoloogy Charge	Ž	ă	<u>i</u>	Total
Task Description	Unit Cost:	\$0.57	\$2.00	\$0.15	\$12.00	\$0.50	\$15.00	\$30.00			
3.1.N- Stream and	Wetland Opportunities Inventory Report			*							\$0.00
3.1.O- Phase II En	vironmental Site Assessment										\$0.00
3.1.P- Air Quality A											\$0.00
3.1.Q - Mussel Sur	vey										\$0.00
3.1.R - FIS Analys	is, Revisions, and Coordination										\$0,00
TOTAL 3.1 - E	Invironmental Field Studies and Refined Impacts	SWV.38								ES.	\$0
3.2 - Stage 1 Value E		Manage .					November 1	SALE IST	10000	10.75	NAME AND
3.2.A - Value Engin	eering Study and Report										\$0.00
	TOTAL 3.2 - Stage 1 Value Engineering					(Septiment)		WE STATE			\$0
3,3 - Stage2			TE SE	BAGGE SE					6 7/2		The second
3.3.A - Roadway											
3.3.A.A - Title Sh	eet						2				\$30.00
3.3.A.B - Schema							4				\$60.00
3.3.A.C - Genera							4				\$60.00
3.3.A.D - Typical							14				\$210.00
	d Profile - Mainline						50				\$750.00
	d Profile - Crossroads										\$0.00
3.3.A.G - Plan an											\$0.00
3.3.A.H - Cross S							14				\$210.00
3.3.A.I - Intersect							14				\$210.00
	nge Geometrics & Details										\$0.00
	Access Fencing Plan										\$0,00
3.3.B - Drainage											
3.3.B.A - Storm S							1				\$15,00
	Detail Sheets including headwall and wingwall										\$0.00
	Relocation Details										\$0.00
3.3.B.D - Underdr							3				\$45.00
3.3.B.E - BMP De							1				\$15.00
	ary Drainage (MOT)		0- viji								
3.3.B.F.1 - Tem Drainage to Pla	porary Drainage (MOT) - Adding Temporary										\$0.00

C-R-S	HAM-CR284-1.33			D	IRE	CT C	OST	S			Version: Feb 2017
Consultant:	Strand Associates, Inc.										
Agreement No.	0					es		Ę			
Modification No.	1					, eri		Ĕ			
PID No.	107130					elije	g .	0	8	55	
Proposal Date	8/12/2020	ø		10		J/ef	olo Fige	2 0	Š	ő	
		Mileage	Prints	Copies	Meals	Postage/Deliveries	Technoloogy Charge	Tuming Movement	Direct Cost 8	Direct Cost	Total
Calculations	Unit Cost: porary Drainage (MOT) - MOT Drainage	\$0.57	\$2.00	\$0.15	\$12.00	\$0.50	\$15.00	\$30.00			\$0.00
3.3.B.F.3 - Tem	porary Drainage (MOT) - Culvert Phasing Details										\$0.00
3.3.B.F.4 - Tem	porary Drainage (MOT) - Temporary Shoring										\$0.00
3.3.C - Traffic Contro								-19-81			
3.3.C.A - Paveme							16				\$240.00
3.3.C.B - Signing I											\$0.00
3.3.D - Signals & ITS											
3.3.D.A - Signal P											\$0.00
3.3.D.B - Interconn											\$0.00
	Engineering Analysis										\$0.00
	ffic Surveillance) Plan Sheets										\$0.00
3.3.E - Maintenance											
3.3.E.A - MOT Ger							4				\$60.00
	lan- Custom Guide Signs						4				\$60,00
3.3.E.D - Pedestria	an/Bike Lane Detour - Plan Sheet						2				\$30.00
3.3.E.E - MOT Typ											\$0.00
3.3.E.F - MOT Pla							8				\$120.00
	ry Signal Details (Modification of Existing or	a series com			h.	- 1	50	TOTAL STREET			\$750.00
Proposed Signal)											
Proposed Signa 3.3.E.G.2 - Tem	porary Signal Details (Modification of Existing or il) – Adjustments of Heads, Timing & Detection porary Signal Details (Modification of Existing or										\$0,00
Proposed Signa	I) - Temporary Pole Placement										\$0.00
3.3.E.H - New Ten 3.3.E.H.1 - New Detection	nporary Signal Temporary Signal – Head Placement, Timing &										\$0.00
3.3.E.H.2 - New Power Source	Temporary Signal - Temporary Pole Placement &										\$0.00
3.3.E.I - Signalized	Closures										\$0.00
	rdination Discussions										\$0.00
	structability Coordination	-									\$0.00
3.3.E.L - Temporar	y Pavement Sections and Earthwork	1									\$0.00

C-R-S	HAM-CR284-1.33			D	IREC	CTC	OST	S			Version: Feb 2017
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r toposai bate	0/12/2020	Mileage	Prints	Copies	Meals	Postage/Deliveries	Technoloogy Charge	Turning Movemen	Direct Cast 8	Direct Cost	Total
Task Description	Unit Cost:	\$0.57	\$2.00	\$0.15	\$12.00	\$0.50	\$15.00	\$30.00			
	over Plan and Profile	40.01	02.00	40.10	012.00	40.00	010.00	000.00			
	ossover Plan and Profile - Horizontal & Vertical	1	1			1		1			1
Design, Supe 3.3.E.M.2 - Cr 3.3.E.M.3 - Cr	relevation Design & Table ossover Plan and Profile - Plan & Profile Sheets ossover Plan and Profile - Cross Section Sheets emporary Access Details										\$0.0 \$0.0 \$0.0
3.3.E.N.1 - MO Access	OT Temporary Access Details - Temporary Drive										so.0
3.3.E.N.2 - MO Access	OT Temporary Access Details - Temporary Ramp										\$0.0
Zone Access [DT Temporary Access Details - Contractor Work Details aneous MOT Details										\$0.0
3.3.E.O.1 - Mis	scellaneous MOT Details - Plan Insert Sheets	1	1					1			\$0.0
	scellaneous MOT Details - Custom Detailing										\$0.0
3.3.E.P - PIAC/Ir	centive Funds Request							- 2 - 4			\$0.0
3.3.F - Lighting Pla	n	Water Line	HOTEL WA		STATE OF	REAL		THE REAL PROPERTY.			
3.3.F.A - Lighting	Analysis										\$0.0
3.3.F.B - Power/	Circuit Layout & Details										\$0.0
	Plan and Details										\$0.0
	Drop Calculations										\$0.0
3.3.F.E - Power \$											\$0.0
3.3.G - Landscape											ALC: N
	ape Plan and Details						3				\$45.0
3.3.G.B - Genera											\$0.0
3.3.H - Noise Wall											\$0.0
	(break out for each bridge separately)										
3.3.I.A Bridge Pla											\$0.0
3.3.I.B Structure	Rating										\$0.0
3,3,J - Utilities		New John									
	oordination and Documentation			100			4				\$75.0
3.3.J.B - Water V											\$0.0
	Vorks Details & Notes										\$0.0
3.3.J.D - Sanitary											\$0.0
3.3.K - Geotechnica	al Services										

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C-R-S	HAM-CR284-1.33			D	IRE	CT C	OST	S			Version: Feb 2017
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		Mileage	Prints	Copies	Meals	Postage/Deliveries	Technoloogy Charge	Turning Movement	Direct Cost 8	Direct Cost	Total
Task Description	Unit Cost:	\$0.57	\$2.00	\$0.15	\$12.00	\$0.50	\$15.00	\$30.00			
3.3.K.A - Finalize	Geotechnical Investigation and Report										\$0,00
	TOTAL 3.3 - Stage2										\$2,985
3.4 - Right of Way Pl	lans	0.00		No. of Contract			AND DESCRIPTION		ALIE STATE OF		
3.4.A Conceptual R	light of Way Plan Review					-					\$0.00
3.4.B - Preliminary	Right of Way Plans		STATE OF THE PARTY.		MARKET STATE	WATER OF THE PERSON NAMED IN			96 (4-4-1-4		N. H.S. SHIPPER
3.4.B.A - Legend	Sheet										\$0.00
3.4.B.B - Centerli											\$0.00
3.4.B.C - Property											\$0.00
	ry of Additional Right of Way										\$0.00
3.4.B.E - Detailed	ROW Plan Sheets										\$0,00
3.4.B.F - Special											\$0.00
	escriptions and Closure Calculations										\$0.00
	-Way Acquisition Estimate										\$0.00
3.4.B.I - Field Rev											\$0.00
3.4.C - Final Right of											
3.4.C.A Final Righ		1									\$0.00
3.4.C.B- Field Re	view & Verify Property Owners										\$0.00
3.4.C.C - Record	Centerline Plat and all appropriate documents										\$0.00
3.4.C.D - Set R/W	/ Pins after acquisition										\$0,00
	TOTAL 3.4 - Right of Way Plans	No.			PARTIES.			State State			\$0
3.5 - Prepare Enviror	nmental Document	The same			With the last		Y W SOR				
3.5.A - Prepare Env	ironmental Document								A STATE OF THE PARTY OF		\$0.00
	TOTAL 3.5 - Prepare Environmental Document							100000		A STATE OF THE PARTY OF THE PAR	\$0
3 6 - Environmental (Commitments and Plan Notes										
	al Commitment Plan Notes									(Contract)	
	6 - Environmental Commitments and Plan Notes										\$0.00
		I									90
3.7 - Final Mitigation											
3.7.A - Mitigation for											\$0.00
3.7.B - Mitigation for											\$0.00
3.7.C - Mitigation for	Wetlands										\$0.00

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		Mileage	Prints	Copies	Meals	Postage/Deliveries	Technoloogy Charge	Tuming Movement	Direct Cost	Direct Cost	Total
Task Description	Unit Cost	\$0.57	\$2.00	\$0.15	\$12.00	\$0.50	\$15.00	\$30.00			
3.7.D - Milligation F	TOTAL 3.7 - Final Mitigation Plans Coordination			1779010191	100000000000000000000000000000000000000	-			of the latest terms and the latest terms are the la	-	\$0,0
	TOTAL 3.7 - Final Midgation Flans Coordination		and the same of		NAME OF TAXABLE PARTY.						
3.8 - Prepare Cost E	stimates and Revise Milestone			STATE OF THE PARTY	N. Valley St.	ST. 14852.		BUILDING.	MALE RE	E. E. Lancido	Development of the last of the
3.8.A - Roadway/In		T					6				\$90.0
3.8.B- Structures C											\$0.0
3.8.C- Utility Costs											\$0.0
TOTAL 3	.8 - Prepare Cost Estimates and Revise Milestone	A STOREGIS	STATE OF					MARKET STATE			\$9
0 0 D - 1 - 1 35											
	ement for Environmental Engineering Phase		de la company		2505.6						
3.9.A - Meetings		50									\$28.5
3.9.B - General Ov 3.9.C - Project Set							12	-			\$180.0
3.9.D - Non Routing						-					\$0.0
C.O.B - HOT HOUSE	TOTAL 3.9 - Project Management for				12 C. L. T.	STATE OF	A CONTRACTOR OF			ALL SHY	30.0
	Environmental Engineering Phase										\$20
3.10 - Limited Revie					ESSERVE						
3.10.A - QA/QC for	THE RESERVE OF THE PARTY OF THE	<u> </u>									\$0.0
	TOTAL 3.10 - Limited Review					AND DESCRIPTION OF THE PARTY OF					\$
THE WAY AND THE	Total - 3 Environmental Engineering Phase	0	0	0	0	0	0	Walter Land		ACT IN	\$3,28
	Total - 3 Environmental Engineering Filase		U	·	U	-	U				\$3,20
4 - Final Engin	eering and R/W Phase									1874	
4.1 - Right of Way A	equisition										
4.1.A - Right of Wa	y Acquisition										\$0.0
	TOTAL 4.1 - Right of Way Acquisition										\$
4.2 - Stage 3 Detaile	d Design Plans										
4.2.A - Quantities a	nd Notes		IN CONTRACT OF	C) 1 1 1 1 1 1				50 7 5 T 10 K			
	ent Subsummary										\$0.0

C-R-S HAM-CR284-1.33		DIRECT COSTS									Version: Feb 2017
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Task Description	Unit Cost:	\$0.57	\$2.00	\$0.15	\$12.00	\$0.50	\$15.00	\$30.00			
4.2.A.B - Drainage Su							6				\$90,00
4,2,A,C - Roadway Su	bsummary						9				\$135.00
4.2.A.D - Not used											\$0.00
	of Traffic Subsummary						2				\$30.00
4.2.A.F - Pavement M							8				\$120.00
4.2.A.G - Signing Sub							8				\$120.00
4.2.A.H - Signal Subsu											\$0.00
4.2.A.I - Noise Wall Su								1			\$0,00
4.2.A.J - Retaining Wa											\$0.00
4.2.A.K - Lighting Sub	summary										\$0.00
4.2.A.L - Landscape Subsummary 4.2.A.M - General Summary Sheet											\$0.00
4.2.A.M - General Sun 4.2.A.N - Bridge Estim							24				\$360.00
4.2.A.O - Reinforcing S											\$0.00
4.2.A.P - General Note							•				\$0.00
	bsummary or Driveway Details (if included on						2				\$30.00
same sheet)							6				\$90.00
4.2.A.R - Lighting Note											\$0.00
4.2.A.S – Bridge Gene											\$0,00
4.2.A.T – Fencing Plan 4.2.B - Traffic Signal Plan					35 (1) (2)						\$0.00
4.2.B.A - Wiring diagra	m & pole orientation										\$0.00
4.2.B.B - Timing Chart											\$0.00
4.2.B.C - Elevation Vie											\$0.00
4.2.B.D - Traffic Signal	Signs										\$0.00
4.2.C - Signing Plans		CHARLES .			and the same	IN STREET		TO A STATE OF		May 8 9 1	
4.2.C.A - Signing Plan	s						4		The second second		\$60.00
4.2.C.B - Elevation Vie											\$0.00
4.2.C.C - SignCAD											\$0.00
4.2.D - Miscellaneous		NAME OF STREET			HE LEWIS CO.			CHARLES TO SE			dewen leve
4.2.D.A - Obtain Railro	ad Agreement										\$0.00
	Form 7460-1 for Airway/Highway Clearance								10.29		\$0.00
4.2.D C - Project Site P	Plan						3				\$45.00

C-R-S	C-R-S HAM-CR284-1.33			DIRECT COSTS									
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			Prints	Copies	Meals	Postage/Deliveries	Technoloogy Charge	Turning Movement	Direct Cost 8	Direct Cost	Total		
Task Description	Unit Cost:	\$0.57	\$2.00	\$0.15	\$12.00	\$0.50	\$15.00	\$30.00					
	Systems Engineering Analysis e Construction Schedule										\$0.00		
4.2.D.F - Not use											\$0.00		
4.2.D.G - Title Sh							2		-		\$0.00		
4.2.E - Lighting Plan		-					2				\$30.00		
4.2.E.A - Lighting											\$0.00		
	Details - Underpass Lighting										\$0.00		
	TOTAL 4.2 - Stage 3 Detailed Design Plans	GUILDI YA	1000000						1	Service Control	\$1,110		
											1		
4.3 - Prepare Cost Es	stimates and Revise Milestone												
4.3.A - Roadway/Interchange Costs							6				\$90.00		
4.3.B- Right of Way											\$0.00		
4.3.C- Structures C 4.3.D - Utility Costs	OSIS										\$0.00		
	3 - Prepare Cost Estimates and Revise Milestone	ALINE STATE			and the same						\$0.00		
IOIAL 4.	5 - Frepare Cost Estillates and Revise Milestone	WALKE STATE OF	The state of the s		C THE COL			Marie Control			\$90		
4.4 - Final Plan Pack	age		DESCRIPTION OF THE PARTY OF THE	- TO - O - O	THE LOCAL DESIGNATION OF THE PARTY OF THE PA	DESCRIPTION OF		Was Street	O. STATE OF THE PARTY OF	Mark Street	MANAGEMENT OF THE PARTY OF THE		
	of Final Tracings and Documentation		100	100			7				\$320.00		
	4.4 - Final Plan Package	On the last		J. COENT	i Rein	STATE OF	-		Mark House	100	\$320		
	ment for Final Engineering and Right of Way												
4.5.A - Meetings		25									\$14,25		
4.5.B - General Ove							15				\$225.00		
4.5.C - Project Set U											\$0.00		
4.5.D - Non Routine											\$0.00		
TOTAL 4.5 - Project	Management for Final Engineering and Right of Way Phase										\$239		
4.6 - Pre-Bid Activitie	s in the same of t				School or the		Maria Maria	No. of Street	GC TESTIFICA	DESIGNATION OF THE PARTY OF THE			
4.6.A - Pre-Bid Que:				ON REAL PROPERTY.		I	5		September 1		\$75.00		
	TOTAL 4.6 - Pre-Bid Activities	A COLUMN		No. of Contract of		(February)		SECRETARIO.	ALC: UNITED AND	1000	\$75.00		
			T	100000000000000000000000000000000000000					W- 91-12 (A.C.)	Market Control	\$75		
4.7 - Limited Review				S11541918					Manager 1		Services.		
4.7.A - QA/QC for Li	mited Review										\$0.00		

C-R-S	C-R-S HAM-CR284-1.33			DIRECT COSTS										
Consultant:	Strand Associates, Inc.													
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		Mileage	Prints	Copies	Meals	Postage/Deliveries	Technoloogy Charge	Tuming Movement	Direct Cost 8	Direct Cost 9	Total			
Task Description	Unit Cost:	\$0.57	\$2.00	\$0.15	\$12.00	\$0.50	\$15.00	\$30,00						
	4.7 - Limited Review	EU SSY								Standing	S			
	TOTAL - Final Engineering Phase	0	0	0	0	0	0		27/45		\$1,83			
5 - Constructio	n Phase													
	Services During Construction		Para Caraca				16				\$240.0			
TOTA	AL 5.1 - On-going Services during Construction	Control of		W. 21 B. 45	-510-210	XIII.ON SON		NULL ST	A STATE OF THE STA	J. INSIA	\$24			
	TOTAL - Construction Phase	0	0	0	0	0	0	MI CONTRACTOR			\$24			
	TOTAL AUTHORIZED PARTS	0	0	0	0	0	0				\$5,35			
F-AUTHORIZED	TASKS:	Partie							Advision F					
											\$0.0			
											\$0.00			
											\$0.00			
	TOTAL IF-AUTHORIZED PARTS			\$0	\$0	\$0	\$0	\$0	\$0	\$0	SI			
	TO THE II -AUTHORIZED PARTO			30	20	\$0	\$0	\$0	\$0	\$0	\$1			
	GRAND TOTAL			0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,35			

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		1 5	H		l š	
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rask Description		0	0		=	Narrauve
Copy task in scope from the Labor Rales_Cost Proposal Tab		х	x	x	X	Add Narratives as needed here
3 - Environmental Engineering Phase						
3.1 - Environmental Field Studies and Refined Impacts						
3.1.A - Phase I Cultural Archaeological						
3.1.B - Phase II Cultural Resource History/Architecture						
Survey						
3.1.C - Section 4 (f) Determination						
3.1.D - Phase I Environmental Site Assessment						
3.1.E - Farmland Studies						
3.1.F - Secondary and Cumulative Review						
3.1.G - Address NEPA Specific Environmental Justice						
Issues 3.1.H - Relocation Assistance Program Conceptual						
3.1.H - Relocation Assistance Program Conceptual Survey						
3.1.I - Biological Assessment for Federally Listed				-	-	
Species						
3.1.J Not Used			-			
3.1.K- Determine Right of Way Encroachments						
3.1.L - Determine Potential Right of Way from Railway						
3.1.M- Waterway Permit 3.1.N- Stream and Wetland Opportunities Inventory Report						
3.1.0- Phase II Environmental Site Assessment			-		-	
3.1.P- Air Quality Analyses						
3.1.Q - Mussel Survey						
3.1.R – FIS Analysis, Revisions, and Coordination						
		t l				
3.2 - Stage 1 Value Engineering						
3.2.A - Value Engineering Study and Report			-			
3.3 - Stage2 3.3.A - Roadway		ALE-SEE				
3.3.A.A - Title Sheet		x				- Complexity is low - 1-2 design designations - CFG offers 4 hrs
3.3.A.B - Schematic		x				- Complexity is medium - intersection and multiple alignments/baselines required for roundabout construction - CFG offers 6 hrs/sheet (hours are based on one sheet however multiple sheets will be required to display alignment and curve data)
.3.A.C - General Notes		x				Complexity is low - local project with minimal number of anticipated environmental commitments CFG offers 8 hrs; suggest 6 hours

		- Have a total of 6 sections: 2 existing and 4 proposed
A A B Toolean Continue	1 1 1	- Complexity is low for 2 existing sections
3.3.A.D - Typical Sections	1 1 1	- Complexity is medium for 4 proposed sections
	x	- CFG offers 2 hrs/section for low and 4 hrs/section for medium: 2*2 + 4*4=20
40 S00040 2000 VW 100000		- Will have 2 plan sheets and 4 profile sheet; total = 6
3.3.A.E- Plan and Profile - Mainline		- Complexity is medium due to impact to driveways and right-of-way takes/impacts
	X	- CFG offers 12 hrs/sheet: 6*12=72
3.3.A.F - Plan and Profile - Crossroads		
3.3.A.G - Plan and profile - Ramps		
		- Complexity is low
3.3.A.H - Cross Sections	1 1 1	- Anticipate approximately 20 sections
	x	- CFG offers 1 hrs/section: 20*1=20
3.3.A.I - Intersection Details		 Complexity is high because task will include truck turning movements, cross slope transitions, and final
3.3.A.I - Intersection Details	×	roundabout design parameter calculations (fastest path speeds, sight distance calculations, phi angle, etc) - CFG offers 20 hrs/intersection: 20*1=20
3.3.A.J- Interchange Geometrics & Details	A	- CFG offers 20 hrs/intersection: 20*1=20
3.3.A.K – Limited Access Fencing Plan		
3.3.B - Drainage		
3.3.b - Drainage		
3.3.B.A - Storm Sewer Profiles		- Minimal storm sewer is anticipated (10 stations)
S. S	×	- Complexity is low, minimal storm sewer design - CFG offers 0.25 hrs/sta: 10*0.25=2.5
3.3.B.B - Culvert Detail Sheets including headwall and		- 51 O United V.23 Haddle, 10 U.23-2.3
wingwall details		
3,3,B,C - Channel Relocation Details		
Colors - Chamber Melocation Details		- 10 stations
3.3.B.D - Underdrain details		- Complexity is low
o.o.p.p onacialan actain	x	- CFG offers 0.25 hrs/sta: 10*0.25=2.5
		Due to limited space, anticipate manufactured system will be required
3.3.B.E - BMP Details		- Complexity is medium
	×	- CFG offers 0.25 hrs/sta: 6*0.25=1.5
3.3.B.F - Temporary Drainage (MOT)		
3.3.B.F.1 - Temporary Drainage (MOT) - Adding	1 1	
Temporary Drainage to Plans		
3.3.B.F.2 - Temporary Drainage (MOT) - MOT Drainage		
Calculations		
3.3.B.F.3 - Temporary Drainage (MOT) - Culvert Phasing		
Details		
3.3.B.F.4 - Temporary Drainage (MOT) - Temporary		
Shoring		
3.3.C - Traffic Control	STATE AND PERSONS ASSESSED.	Date the same property of the same and the s
		- Complexity is low
3.3.C.A - Pavement Marking Plan	1 1 1	- 2 sheets (combined pavement marking and signing)
		- CFG offers 5-7 hrs/sheet for markings and 7-10 hrs/sheet for signing. Because comined use lowest end of range
	X	12 hrs/sheet: 2*12=24
3.3.C.B - Signing Plan		
3.3.D - Signals & ITS		
3.3.D.A - Signal Plan Sheets		
3.3.D.B - Interconnect Details		
3.3.D.C - Systems Engineering Analysis		
3.3.D.D - ITS (Traffic Surveillance) Plan Sheets		
3.3.E - Maintenance of Traffic		
		- Complexity is low
3.3.E.A - MOT General Notes		- assume 2 sheets
	X	- CFG offers 4 hrs/sheet; suggest 1.5 hrs/sheet; 4*1,5=6
		Anticipate a detour for the south leg of the intersection (Deerfield Rd)
3.E.B - Detour Plan- Custom Guide Signs		- Complexity is low; short detour and less than 12 signs are anticipated
3.3.E.B - Detour Plan- Custom Guide Signs		- CFG offers 12 hrs/detour; Suggest 6 hrs: 1*6=6
3.3.E.B - Detour Plan- Custom Guide Signs	x	
	x	 Sidewalk on the south side of Pfeiffer Rd will need to be detoured during one phase of construction
.3.E.B - Detour Plan- Custom Guide Signs .3.E.C - Pedestrian/Bike Lane Detour - Plan Sheet	x	

3.3.E.E - MOT Typical Sections	x	- Complexity is low - assume 2 primary phases and 3 sections per phase (6 total sections) - CPG offers 2 hist/prical; suggest 1 hr/typicalt 6*1-5
3.3.E.F - MOT Plan Sheets	×	- Complexity is low - complexity is low - assume 2 primary phases and 3 sheets per phase (6 total sheets) - CFG offers 24 hr/skheet, suggest 12 hours per sheet, 6*12=72
3.3.E.G - Temporary Signal Details (Modification of		- or o shorts 24 historical suggest 12 hours for short. O 12-12
Existing or Proposed Signal)		
3.3.E.G.1 - Temporary Signal Details (Modification of Existling or Proposed Signal) – Adjustments of Heads, Timing & Detection		
3.3.E.G.2 - Temporary Signal Details (Modification of		
Existing or Proposed Signal) - Temporary Pole Placement		
3.3.E.H - New Temporary Signal		
3.3.E.H.1 - New Temporary Signal - Head Placement,		
Timing & Detection		
3.3.E.H.2 - New Temporary Signal - Temporary Pole	1 1 1	
Placement & Power Source 3.3.E.I - Signalized Closures		
3.3.E.J - MOT Coordination Discussions 3.3,E.K - MOT Constructability Coordination		
3.3.E.K - MOT Constructability Coordination		
3.3.E.L - Temporary Pavement Sections and Earthwork		
3,3,E,M - Crossover Plan and Profile 3,3,E,M,1 - Crossover Plan and Profile - Horizontal &		
Vertical Design, Superelevation Design & Table	1 1 1	
3.3.E.M.2 - Crossover Plan and Profile - Plan & Profile		
Sheets		
3.3.E.M.3 - Crossover Plan and Profile - Cross Section		
Sheets		
3.3.E.N - MOT Temporary Access Details		그들은 보고 있다는 사고 있는데 있다면 하면 없는데 하면 하면 하는데
3.3.E.N.1 - MOT Temporary Access Details - Temporary Drive Access		
3.3.E.N.2 - MOT Temporary Access Details - Temporary		
Ramp Access	1	
3.3.E.N.3 - MOT Temporary Access Details - Contractor Work Zone Access Details		ž.
3.3.E.O - Miscellaneous MOT Details		
3.3.E.O.1 - Miscellaneous MOT Details - Plan Insert Sheets		
3.3.E.O.2 - Miscellaneous MOT Details - Custom		
Detailing		
3.3.E.P - PIAC/Incentive Funds Request		
3.3.F - Lighting Plan 3.3.F.A - Lighting Analysis		Louis Day and
3.3.F.B - Power/Circuit Layout & Details		See CMT Proposal See CMT Proposal
3.3.F.C - Lighting Plan and Details		
3.3.F.D - Voltage Drop Calculations		See CMT Proposal See CMT Proposal
3.3.F.E - Power Service		See CMT Proposal
3.3.G - Landscape Plan		
3.3.G.A - Landscape Plan and Details	X I	'- CFG offers no guidance; suggest 6 hours for 1 sheet
3.3.G.B - General Notes	1 1	- or o original guidance, suggest o nodis for 1 street
3.3.H - Noise Wall Details		
3.3.I - Bridge Plans (break out for each bridge		
separately)		
3.3.I.A Bridge Plans		
3.3.I.B Structure Rating		
3.3.J - Utilities	THE RESERVE OF THE PARTY OF THE	

3.3.J.A - Utility Coordination and Documentation		- Complexity is medium
3.3.J.B - Water Works Plan	X	- CFG offers 24 hrs/project; suggest 16 hours; 1°16=16
3.3.J.C - Water Works Plail 3.3.J.C - Water Works Details & Notes		
3.3.J.D - Sanitary Sewer Plans		
3.3.K - Geotechnical Services	THE R. P. LEWIS CO., LANSING, MICH.	
30000000000000000000000000000000000000		
3.3.K.A - Finalize Geotechnical Investigation and Report		
3.4 - Right of Way Plans		
3.4.A Conceptual Right of Way Plan Review		
3.4.B - Preliminary Right of Way Plans		
3.4.B.A - Legend Sheet		
3,4,B,B - Centerline Survey Plat	x	See Berding Proposal
3.4.B.C - Property Map	â	See Berding Proposal
3.4.B.D - Summary of Additional Right of Way	x	See Berding Proposal
3.4.B.E - Detailed ROW Plan Sheets	x	See Berding Proposal
3.4.B.F - Special Plats		See Detailing F10pOsai
3.4.B.G - Legal Descriptions and Closure Calculations	x	See Berding Proposal
3.4.B.H - Right-of-Way Acquisition Estimate		ote bearing reposit
3.4.B.I - Field Review		
3.4.C - Final Right of Way Plans		
3.4.C.A Final Right of Way Plans	X	See Berding Proposal
3.4.C.B- Field Review & Verify Property Owners	*	- Control of the Cont
3.4.C.C - Record Centerline Plat and all appropriate		
documents		
3.4.C.D - Set R/W Pins after acquisition		
3.5 - Prepare Environmental Document		
3.5.A - Prepare Environmental Document		See CMT Proposal
3.6 - Environmental Commitments and Plan Notes		
3.6.A - Environmental Commitments and Plan Notes		D. OUT Descript
3.6,A - Environmental Commitment Plan Notes		See CMT Proposal
3.7 - Final Mitigation Plans Coordination		
3.7.A - Miligation for Cultural Resources		
3,7,B - Mitigation for Streams		
3.7.C - Mitigation for Wetlands		
3.7.D - Miligation Plan for Other Features		
3.8 - Prepare Cost Estimates and Revise Milestone		
3.8.A - Roadway/Interchange Costs	x	- Complexity is low due to minimal roadway work - CFG offers offers 20 hrs/project; Suggest 12 hrs: 12*1=12
3.8.B- Structures Costs		
3.8.C- Utility Costs		
3.9 - Project Management for Environmental		
Engineering Phase		
3.9.A - Meetings	x	 - Articipate 1 design coordination meeting in this phase - Anticipate 2 Strand staff (PM and lead engineer), 2 hrs/mtg, 0,5 hr travel time/mtg - Suorest (2 people*(2 hr mtg+0.5hr travel time))*2 mtgs=10

		-
		- Complexity is low because little assistance is anticipated for PM to manage the project
	1 1 1	Higher end of range is used to allow for more frequent client coordination regarding status updates, design
3.9.B - General Oversight		decision documentation, etc
		- Notice to Proceed (anticipated 9/1/2020) through completion of Stage 2 (anticipated 1/11/2021) is 4 months; only
	1	2 months are anticipated to be full effort and 2 months anticipated at 2 hrs/mth
3.9.C - Project Set Up	X	- CFG offers 12 hrs/mth for full effortt: 2*12 + 2*2=28
3.9.D - Non Routine (Soft) Items		
3.9.D - Non Routine (Sott) nems		
3.10 - Limited Review		
3.10.A - QA/QC for Limited Review		
4 - Final Engineering and R/W Phase		
4.1 - Right of Way Acquisition		
4.1.A - Right of Way Acquisition	X	See Heritage Proposal
4.2 - Stage 3 Detailed Design Plans		
4.2.A - Quantities and Notes		
4.2.A.A - Pavement Subsummary		
		- Complexity is low
4.2.A.B - Drainage Subsummary	x	- CFG offers 8 hrs/sheet; Anticipate 1 sheet; hours: 1°8=8
4.2.A.C - Roadway Subsummary		- Complexity is low
4.2.A.D – Not used	X	- CFG offers 18 hrs/sheet; Anticipate 1 sheet; hours: 1*18=18
		- Complexity is low
4.2.A.E - Maintenance of Traffic Subsummary	x	- CFG offers 0.5 hrs/MOT sheet; Anticipate 6 MOT sheets; hours: 6*0.5=3
4.2.A.F - Pavement Marking Subsummary		- Complexity is low
7.2.5 (i1 dronlent marking odobalimitary	X	- CFG offers 17 hrs/sheet; Sugget 12 hrs/sheet; Anticipate 1 sheet; hours: 1*12=12
4.2.A.G - Signing Subsummary	x	- Complexity is low - CFG offers 17 hrs/sheet; Sugget 12 hrs/sheet; Anticipate 1 sheet; hours: 1*12=12
4.2.A.H - Signal Subsummary		
4.2.A.I - Noise Wall Subsummary		
4.2.A.J - Retaining Wall Subsummary		
4.2.A.K - Lighting Subsummary	X	See CMT Proposal
4.2.A.L - Landscape Subsummary		
4.2.A.M - General Summary Sheet	x	- Complexity is low - CFG offers 18 hrs/sheet; suggest 12 hrs/sheet; Anticipate 2 sheets; hours: 2*12=24
1.2.A.N - Bridge Estimated Quantities Sheet		The state of the s
1.2.A.O - Reinforcing Steel Schedule		
1,2,A,P - General Notes	x	- Complexity is low - CFG offers 4 hrs
1.2.A.Q - Driveway Subsummary or Driveway Details (if		- Complexity is medium
ncluded on same sheet)	x	- CFG offers 8hrs
I.2.A.R - Lighting Notes	x	See CMT Proposal
.2.A.S - Bridge General Notes		
I.2.A.T - Fencing Plan Subsummary		
J.2.B - Traffic Signal Plans & ITS Plans	Security basely after the property of the	
.2.B.A - Wiring diagram & pole orientation		
,2,B,B - Timing Chart		
.2.B.C - Elevation Views of Mast Arm Poles		
.2.B.D - Traffic Signal Signs		
.2.B.E - ITS (Traffic Surveillance)		
.2.C - Signing Plans		

4.2.C.A – Signing Plans		- Complexity is low
4.2.C.B - Elevation View of Major Signs	x	- CFG offers 3 hrs/sheet; Anticipate 2 sheets; hours: 3*2=6
4.2.C.C - SignCAD		
4.2.D - Miscellaneous		
4.2.D.A - Obtain Railroad Agreement		
4.2.D B - Prepare FAA Form 7460-1 for Airway/Highway Clearance		
4.2.D C - Project Site Plan	x	Complexity is low CFG offers no guidance; suggest 4 hours
4.2.D.D - Update Systems Engineering Analysis 4.2.D.E - Baseline Construction Schedule 4.2.D.F - Not used		OT O OTTO TO GENERAL SUGGEST A TIMES
4.2.D.G - Title Sheet		- Complexity is low
4.2.E - Lighting Plans	X	- CFG offers 8 hrs; Suggest 4 hours
4.2.E.A - Lighting Details		
4.2.E.B - Lighting Details - Underpass Lighting	x	See CMT Proposal
4.3 - Prepare Cost Estimates and Revise Milestone		
4.3.A - Roadway/Interchange Costs	x	- Complexity is low due to minimal roadway work - CFG offers offers 16 hrs/project; Suggest 12 hrs; 12*1=12
4.3.B- Right of Way		- or differential format project, 30 gyest 12 ms. 12 1-12
4.3.C- Structures Costs		
4.3.D - Utility Costs		
4.4 - Final Plan Package		
4.4.A - Submission of Final Tracings and Documentation	x	- CFG offers 0ffers 0.25 hours per plan sheet; Anticipate 44 sheets; hours; 44*0.25=
4.4 - Final Plan Package		
4.5 - Project Management for Final Engineering and Right of Way Phase		
4.5.A - Meetings	x	- Anticipate 1 design coordination meeting in this phase - Anticipate 2 Strand staff (PM and lead engineer), 2 hrs/mtg, 0.5 hr travel time/mtg - Suggest; (2 pcople*(2 hr mtg+0.5hr travel time))*1 mtg=5
4.5.B - General Oversight	x	- Complexity is low because little assistance is anticipated for PM to manage the project - Higher end of range is used to allow for more frequent client coordination regarding status updates, design decision documentation, etc - Aanticipated 1/11/2021 through completion of Final Tracings (anticipated 1/3/2022) is 12 months; only 3 months is anticipated to be full effort and 9 months anticipated at 5 hrs/mth - CFG offers 5 hrs/mth for full effort. 3"5 + 9"2"—33
4.5.C - Project Set Up		
4.5.D - Non Routine (Soft) Items		
8.6 - Pre-Bid Activities		
I.6.A - Pre-Bid Questions	x	Assume 5 questions at 2 hours per question
The state of the s		Assume 3 questions at 2 nours per question
.7 - Limited Review		
I.7.A - QA/QC for Limited Review		

12.

5 - Construction Phase			
5.1.A - On-going Services During Construction			Assume 3 hours per month for construction season (7/1/2022 - 11/1/2022) and (3/1/2023 - 7/1/2023) = 8 months
	X	1	8*3=24

Subconsultant Proposal - Berding Surveying

Berding Surveying



GPS Surveying . 3D Laser Scanning

AN AGREEMENT FOR THE PROVISION OF LIMITED PROFESSIONAL SURVEYING AND 3D-SCANNING SERVICES

July 27, 2020

Strand Associates, Inc. Jeff Heimann, P.E. 1475 Elsinore Pl. Cincinnati, OH 45202

SUBJECT: Pfeiffer & Deerfield Roundabout (PID 107130) – Right of Way Plan Development

Dear Jeff,

Thank you for reaching out to Berding Surveying for the preparation of right-of-way plans on the round-a-bout project at Deerfield Road and Pfeiffer Road, PID referenced above. Based upon the information provided, see "Exhibit A", below is an outline and scope of the services we anticipate providing.

RIGHT OF WAY PLAN DEVELOPMENT

A set of right of way plans will be developed which entail the Deerfield Road/Pfeiffer Road Roundabout project in the City of Montgomery. The lineal length of the right of way plan is about 500 on Deerfield Road and 500 feet on Pfeiffer Road, centered over the intersection.

We anticipate there may be 6 properties (5 ownerships) that could be impacted by the improvement and require temporary easements and/or right of way. Additionally, the church on the northeast quadrant will want to retain the remainder of the impacted residential parcel they hold title to. A residue plat and legal description will be developed for the remainder of the parcel to facilitate a later transfer.

To enable ease in reading we anticipate preparing both a topographic plan sheet and boundary sheet 8 pages total. In addition, the plan set will include: Cover / Legend Sheet, Centerline of Survey Plat, Property Map and Area Summary of Additional Right of Way Sheet. The centerline plat will be filed with the Hamilton County Recorder's Office. Legal descriptions and closure reports will be delivered for all permanent and temporary easements or takes.

Signature

Date

July 27, 2020

City of Montgomery,

Tim Schwegge 07/27/2020
Tim Schwoeppe, PS Date

July 27, 2020 City of Montgomery, Pfeiffer & Deerfield Roundabout (PID 107130) Page 3

Fee Breakdown

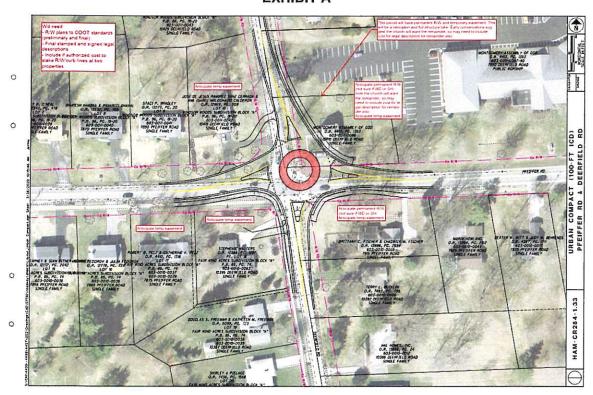
EXHIBIT of HOURS AND HOURLY RATES ASSOCIATED WITH DEERFIELD PFEIFFER ROAD IMPROVEMENTS.

	Pers	onnel / E	stimated H	ours		Direct La	bor Cost			7	
	PM / Chief Surveyor	Survey Crew	CAD / survey tech	Total Hours	PM / Chief Surveyor @	Survey Crew @	CAD / survey tech @	Labor Cost	Berding Overhead	ODOT FEE Calc. 156.68%	Total Cost Plus Net Fee
					\$35	\$46	\$30		182.95%	11%	
Base Map Preparation											
Reimbursements (Travel, Per Diems)											\$0.00
Project Control	1 0	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Property Records and Utility Research	0		0	0	\$0	\$0 \$0 \$0	\$0	\$0	\$0	\$0	\$0
Topo / location survey,	0	0		0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Utility locations, investigations	1	0	0	0	\$0		\$0	\$0	\$0	\$0	\$0
Right of way & property line location & resolution	0	0	0	0	\$0	\$0 \$0 \$0 \$0	\$0	\$0	\$0	\$0	\$0
Base Map Preparation, utility plots	0		0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Aerial Lidar Service provider				0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Base Map Preparation	0	Ö	0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

	Pers	onnel / E	stimated H	ours		Direct La	abor Cost			1	i Total Cost I Plus Net Fee
	PM / Chief Surveyor	Survey Crew	CAD / survey tech	Total Hours	PM / Chief Surveyor @	@	CAD / survey tech @	Labor Cost	Cost @	151.58%	
Dealle least and Flori Dist. (W. Bi					\$35	\$46	\$29		182.95%	11%	
Preliminary and Final Right-of-Way Plans					-			-	-		
Right-of-Way Plans					-						
Cover/Legend Centerline Survey Plat	4		16	20	\$140	\$0	\$464	\$604	\$1,105	\$171	\$1,880
Area Summary Sheet	3		8	11	\$105	\$0	\$232	\$337	\$617	\$95	\$1,049
Property Map	2		8	10	\$70	\$0	\$232	\$302	\$553	\$85	\$940
Detailed R/W Plan Sheets	8		24	32	\$280	\$0	\$696	\$976	\$1,786	\$276	\$3,038
Legal Descriptions (based on ~6 impacted parcels)	8		18	26	\$280	\$0	\$522	\$802	\$1,467	\$226	\$2,495
Stake RW corners based on ~6 parcels	***			0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Plot on 18x24 for recording purposes	2	2	6	10	\$70	\$92	\$174	\$336	\$615	\$95	\$1,046
Total Right-of-Way Plans	27	2	80	109	\$945	\$92	\$2,320	\$3,357	\$6,143	\$948	\$10,448

July 27, 2020 City of Montgomery, Pfeiffer & Deerfield Roundabout (PID 107130) Page 4

EXHIBIT A



July 27, 2020 City of Montgomery, Pfeiffer & Deerfield Roundabout (PID 107130) Page 5

PROFESSIONAL SERVICES TERMS AND CONDITIONS

ACCESS TO THE SITE

Unless otherwise stated, GJBSI will have access to the site for activities necessary for the performance of the survey. GJBSI will take reasonable precautions to minimize damages due to these activities but has not included in the fee the cost of restoration of any resulting damage.

FEE

The total fee, except stated lump sum shall be understood to be an estimate, based upon Scope of Service, and shall not be exceeded by more than ten percent, without written approval of the CLIENT. Where the fee arrangement is to be on an hourly basis, the rates shall be those that prevail at the time the services are rendered.

BILLINGS / PAYMENTS

GJBSI shall invoice CLIENT every month for the amounts due for professional services rendered and expenses incurred. CLIENT shall pay GJBSI the full amount due within thirty (30) calendar days of receipt of invoice. All past due amounts shall bear interest at the rate of one and one-half percent per month compounded monthly. All amounts due GJBSI shall be paid whether or not CLIENT makes use of the professional services rendered by or ordered by GJBSI on behalf of CLIENT; whether or not CLIENT receives compensation from others relative to the professional services rendered by or ordered by GJBSI on behalf of CLIENT and, in event of default on payment, CLIENT shall pay any and all reasonable collection charges and/or attorney fees.

INDEMNIFICATION

G.J. Berding Surveying, Inc. and the CLIENT agrees, to the fullest extent permitted by law, to indemnify and hold each other harmless from any and all damage, liability or cost (including reasonable attorneys' fees and cost of defense) to the extent caused by their own negligent acts, errors or omissions and those of anyone for whom they are legally liable, and arising from the project that is the subject of this agreement. Neither party is obligated to indemnify the other in any manner whatsoever for the other's own negligence.

RISK ALLOCATION

In recognition of the relative risks and benefits of the project to both the CLIENT and GJBSI, the CLIENT agrees that to the fullest extent permitted by law, to limit GJBSI's total liability to CLIENT, for any and all injuries, claims, losses, expenses and damages (including attorney's fees) arising out of this agreement from any cause or causes shall not exceed \$50,000 or the amount of GJBSI fee, whichever is greater.

TERMINATION OF SERVICES

This Agreement may be terminated by either party upon seven (7) calendar days written notice. In the event of termination, GJBSI shall be paid by CLIENT for all services performed up to the date of termination.

OWNERSHIP OF DOCUMENTS

All original documents and drawings developed by GJBSI on behalf of CLIENT shall remain the property of GJBSI. However, copies of all documents, including reproducible and electronic media, shall be furnished to CLIENT at cost.

THIRD PARTIES / OPINION RENDERED

All opinions and conclusions of GJBSI are for the sole use and benefit of the CLIENT. Nothing contained in this agreement shall create a contractual relationship with or a cause of action in favor of any third party against either GJBSI or the CLIENT.

DISPUTE RESOLUTION

Any claim or dispute between GJBSI and the CLIENT shall be submitted to non-binding mediation, subject to the parties agreeing to a mediator(s). Unless otherwise specified, this agreement shall be governed by the laws of the State of Ohio.

Initials:	ALB	(GJBSI)	(CLIENT)
	0		,
		(initial and return)

Subconsultant Proposal - Crawford, Murphy & Tilly

C-R-S	HAM CR 284 1.33		PROP	OSAL	LABO	R SUN	MARY	/			Version: Feb 2017
Consultant:	Crawford, Murphy & Tilly, Inc.										
Agreement No.											
Modification No.											
PID No.	107130	A									
Proposal Date	8/12/2020	Principal	Sr Project Mgr	Project Eng/Mgr	Senior Engineer	Engineer	Senior Tech	Technician II	Admin Asst	т	otal
Task Descriptio	n	\$69.23	\$64.89	\$53.18	\$48.26	\$30.90	\$37.44	\$33.68	\$17.75	Hours	Cost
AUTHORIZED	TASKS:										
1 - Planning Ph	nase										
	nmental Field Studies						AVICADE VIDEO	DIGGS 23 EU			
	d Population Evaluation			6						6	\$31
	TOTAL 2.2 - Perform Environmental Field Studies	0	0	6	0	0	0	0	0	6	\$31
	Total - 2 Preliminary Engineering Phase	0	0	6	0	0	0	0	0	6	319
3 - Environmen	ntal Engineering Phase										
3.3.F - Lighting Plat 3.3.F.A - Lighting				8	12				To be seen	20	\$1,00
	Circuit Layout & Details			2	4		10			16	\$67
	g Plan and Details			8	16		24			48	\$2,09
	e Drop Calculations			2	4					6	\$29
3.3.F.E - Power :			1	2	4					6	\$29
	TOTAL 3.3 - Stage2	0	0	22	40	0	34	0	0	96	\$4,37
3.5 - Prepare Environ		n with a		Sale and He				1000000			178587
3.5.A - Prepare Env	vironmental Document			32			68			100	\$4,24
	TOTAL 3.5 - Prepare Environmental Document	0	0	32	0	0	68	0	0	100	\$4,24
	Commitments and Plan Notes		aska musik				D DOWN		Econ Salt		
	tal Commitment Plan Notes			4				2		- 6	\$28
TOTALS	i.6 - Environmental Commitments and Plan Notes	0	0	4	0	0	0	2	0	6	\$28
	ment for Environmental Engineering Phase	A CONTRA	MORNING	a de la		OST PER SON				30.35	
3.9.A - Meetings				4						4	\$213
3.9.B - General Ove	ersight			16						16	\$85
3.9.C - Project Set U				4						4	\$213
	TOTAL 3.9 - Project Management for Environmental Engineering Phase	0	0	24	0	0	0	0	0	24	\$1,276
No. of the last of	Total - 3 Environmental Engineering Phase	0	0	82	40	0	102	2	0	226	10,177
									l.		
	ering and R/W Phase								N. Halland Co.		

C-R-S	HAM CR 284 1,33		PROP	OSAL	LABO	R SUN	MARY	1			Version: Feb 2017
Consultant:	Crawford, Murphy & Tilly, Inc.										
Agreement No.											
Modification No.											
PID No.	107130										
Proposal Date	8/12/2020	Principal	Sr Project Mgr	Project Eng/Mgr	Senior Engineer	Engineer	Senior Tech	Technician II	Admin Asst	Т	otal
Task Description		\$69,23	\$64.89	\$53,18	\$48,26	\$30,90	\$37.44	\$33,68	\$17.75	Hours	Cost
4.2 - Stage 3 Details		ACCOUNT OF	WE THE STATE OF	The second	(2,00E) 570		Market 1985		CHARLES OF STREET	OF STREET	Name and Address of the Owner, where the Owner, which is the Owner, which is the Owner, where the Owner, which is the Owner,
4.2.A.R - Lightin	ing Subsummary ing Notes			4			8 10			12 14	\$512 \$587
4.2.E.A - Lightin				4			16			20	\$812
	TOTAL 4.2 - Stage 3 Detailed Design Plans	0	0	12	0	0	34	0	0	46	\$1,911
4.4 - Final Plan Pac	kana					1	Name and Address of the Owner, where		IN THE PARTY NAMED IN		
	on of Final Tracings and Documentation			4			6			10	\$437
	4.4 - Final Plan Package	0	0	4	0	0	6	0	0	10	\$437
	TOTAL - Final Engineering Phase	0	0	16	0	0	40	0	0	56	2.348
	GRAND TOTAL BASE SCOPE	0	0	104	40	0	142	2	0	288	\$12,845
IF-AUTHORIZ	ED TASKS:		NO ATTIVE	30 5	A STATE OF THE PARTY OF	To Page	NEW STREET	4,000 61	MARKET	TO SHAD	00 94
2.2.G	Noise Analysis			8			80			88	\$3,421
2.2.1	Phase I Cultural Resource Survey			4						4	\$213
3.1.D	Regulated Materials Review Assessment (per site)			4			36			40	\$1,561
TOTA	AL IF-AUTHORIZED ENVIRONMENTAL PARTS	0	0	16	0	0	116	0	0	132	\$5,194
	TOTAL IF-AUTHORIZED	0	0	16	0	0	116	0	0	132	\$5,194
GRAND TO	TAL WITH IF-AUTHORIZED PARTS	0	0	120	40	0	258	2	0	420	\$18,039

C-R-S	HAM CR 284 1.33		PR	OPOS	SALC	OST S	SUMM	ARY		Version: Feb 2017
Consultant:	Crawford, Murphy & Tilly, Inc.		1					1		
Agreement No.	0		State Avera	age Overhead	Rate	156.68%				
Modification No.	o		Consultant	Overhead R	ate:	167.73%				
PID No.	107130		Cost of Mo	ney:		0.57%				
Proposal Date	8/12/2020		Net Fee Pe			11%				
		Average								
		Hourly Rate	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Descriptio	n		Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
AUTHORIZED T	ASKS:									
1 - Planning Pl	nase									
	nmental Field Studies		PER HEAVI	75159788		HEST COM			C 4323	
	d Population Evaluation	\$53.18	I. Joseph	\$319	\$535	\$2	\$0	\$0	\$90	\$94
	TOTAL 2.2 - Perform Environmental Field Studies	\$53.18	6	\$319	\$535	\$2	\$0	\$0	\$90	\$94
	Total - 2 Preliminary Engineering Phase	53.1789	6	\$319	\$535	\$2	\$0	\$0	\$90	\$94
	ntal Engineering Phase									
3.3.F - Lighting Plan										
3.3.F.A - Lighting		\$50.22	20	\$1,004	\$1,685	\$6	\$0	\$0	\$284	\$2,97
3.3.F.C - Lighting	Circuit Layout & Details	\$42.11	16	\$674	\$1,130	\$4	\$0	\$0	\$190	\$1,99
	Drop Calculations	\$43.67	48	\$2,096	\$3,516	\$12	\$0	\$0	\$592	\$6,21
3.3.F.E - Power S		\$49.90 \$49.90	6	\$299 \$299	\$502 \$502	\$2 \$2	\$0 \$0	\$0 \$0	\$85 \$85	\$88 \$88
O.O.I IE - I OHOI C	TOTAL 3,3 - Stage2	\$45.55	96	\$4,373	\$7,335	\$25	\$0	\$0	\$1,235	\$12,96
3.5 - Prepare Enviror				IS SELVE					Warren !	
3.5.A - Prepare Env	ironmental Document	\$42.48	100	\$4,248	\$7,125	\$24	\$0	\$0	\$1,199	\$12,596
	TOTAL 3.5 - Prepare Environmental Document	\$42.48	100	\$4,248	\$7,125	\$24	\$0	\$0	\$1,199	\$12,59
	Commitments and Plan Notes	OR BOAR		Bull Hard	PS SECTION		FILST BUILD		HATTER STREET	No. of London
	al Commitment Plan Notes	\$46.68	6	\$280	\$470	\$2	\$0	so	\$79	\$83
TOTAL 3.	6 - Environmental Commitments and Plan Notes	\$46.68	6	\$280	\$470	\$2	\$0	\$0	\$79	\$83
3.9 - Project Manage	ment for Environmental Engineering Phase			NEW TEXT					a Conductor	
3.9.A - Meetings		050.40		2040	20.57			and the second		
3.9.B - General Ove	reight	\$53.18	4	\$213	\$357	\$1	\$0	\$0	\$60	\$63 \$2,52
J.J.D - General Ove	raignt	\$53.18	16	\$851	\$1,427	\$5	\$0	\$0	\$240	\$2,5

C-R-S	HAM CR 284 1.33		PR	OPOS	SAL C	OST S	UMM	ARY		Version: Feb 2017
Consultant:	Crawford, Murphy & Tilly, Inc.		1 1		1	1		1		
Agreement No.	0		State Aver	age Overhead	1 Pate	156.68%				
Modification No.	0			Overhead R		167.73%		1		
PID No.	107130		Cost of Mo		ate.	0.57%				
Proposal Date	8/12/2020		Net Fee Pe	1100		11%			-	
i Toposai Date	0/12/2020	Average	Net ree re	centage:		1170				
		Hourly Rate	Total	Labor	Overhead	Cost of	Direct	Subcon	Net	Total
Task Description			Hours	Costs	Costs	Money	Costs	Costs	Fee	Cost
3.9.C - Project Set U		\$53,18	4	\$213	\$357	\$1	\$0	\$0	\$60	\$631
	TOTAL 3.9 - Project Management for									
	Environmental Engineering Phase	\$53.18	24	\$1,276	\$2,141	\$7	\$0	\$0	\$360	\$3,785
RATE VIEW	Total - 3 Environmental Engineering Phase	45.0318	226	\$10,177	\$17,070	\$58	\$0	\$0	\$2,874	\$30,179
4 - Final Engine	ering and R/W Phase									
4.2 - Stage 3 Detailed			C. L. M.			STATE OF THE STATE				
4.2.A.K - Lighting		\$42.69	12	\$512	\$859	\$3	\$0	\$0	\$145	\$1,519
4.2.A.R - Lighting		\$41.94	14	\$587	\$985	\$3	\$0	\$0	\$166	\$1,741
4.2.E.A - Lighting		\$40.59	20	\$812	\$1,362	\$5	\$0	\$0	\$229	\$2,407
	TOTAL 4.2 - Stage 3 Detailed Design Plans	\$41.55	46	\$1,911	\$3,206	\$11	\$0	\$0	\$540	\$5,667
4.4 - Final Plan Packa	ige			No. of Control	STATE STATE				250 500	WEST S
4.4.A - Submission of	of Final Tracings and Documentation	\$43.74	10	\$437	\$734	\$2	\$0	\$0	\$123	\$1,297
	4.4 - Final Plan Package	\$43,74	10	\$437	\$734	\$2	\$0	\$0	\$123	\$1,297
	TOTAL - Final Engineering Phase	\$42	56	\$2,348	\$3,939	\$13	\$0	\$0	\$663	\$6,964
THE STATE OF THE STATE OF	GRAND TOTAL BASE SCOPE	44.5998	288	\$12,845	\$21,544	\$73	\$0	\$0	\$3,627	\$38,089
IF-AUTHORIZED	TACKS	ALCOHOLD STREET		O CONTROL OF			STATE OF THE			
IF-AUTHORIZED		600.07	00	60 404	05.707	640	6074	60	6000	\$40.44
	Noise Analysis Phase I Cultural Resource Survey	\$38.87 \$53.18	88	\$3,421 \$213	\$5,737 \$357	\$19 \$1	\$271 \$0	\$0 \$4,500	\$966 \$60	\$10,414 \$5,131
	Regulated Materials Review Assessment	\$33.18	40	\$1,561	\$357	\$1	\$21	\$4,500	\$441	\$5,131 \$4,648
TOTAL				NAME OF TAXABLE PARTY.		THE RESERVE OF THE PERSON NAMED IN	THE PERSON NAMED IN		STATE OF THE PERSON NAMED IN	THE PERSON
TOTAL	IF-AUTHORIZED ENVIRONMENTAL PARTS	\$39.35	132	\$5,194	\$8,712	\$0	\$292	\$0	\$1,467	\$20,194
SERVICE STATE	TOTAL IF-AUTHORIZED	\$39.35	132	\$5,194	\$8,712	\$0	\$292	\$0	\$1,467	\$20,194
	AL WITH IF-AUTHORIZED PARTS									

0 11 1	HAM CR 284 1.33	DIRECT COSTS									Version: Feb 2017		
Consultant:	Crawford, Murphy & Tilly, Inc.				Т								
Agreement No.	0								2004	a a			
Modification No.	0		e te	223	_	9			ent	Re			
PID No.	107130		gh g	Maii	ain	\$			Ē	je je			
Proposal Date	8/12/2020	8	r Per Jin	B	9	Ja Ja	6 0		3	Me			
		Mileage	Lodging and Meals per agent per night	Certified Mail	Cans of Paint	EquipmentTruck	Copies	Mail	GPS Equipment	Noise Meter Renta	Total		
		Σ	Σ	٥	o l	ш	δ	Σ	Ø	ž	۲		
Task Description	Unit Cost:	\$0.52	\$131.00	\$6,00	\$2.75	\$35.00	\$2.00	\$1.00	\$100.00	\$150.00			
AUTHORIZED T													
	nmental Field Studies	ESSENTING AND					(av 7/01) 8/2						
2.2.E - Underserve	d Population Evaluation												
	TOTAL 2.2 - Perform Environmental Field Studies	0	0	0	0	0	0	0	0	0	\$0		
AND WENT	Total - 2 Preliminary Engineering Phase	40	0	0	0	0	0	0	0	0	\$21		
3.3.F - Lighting Pla						AND BAUG			A STATE OF THE PARTY OF THE PAR				
3.3.F.A - Lighting 3.3.F.B - Power/	g Analysis Circuit Layout & Details												
3.3.F.A - Lighting 3.3.F.B - Power/ 3.3.F.C - Lighting	g Analysis Circuit Layout & Details g Plan and Details												
3.3.F.A - Lighting 3.3.F.B - Power/ 3.3.F.C - Lighting	g Analysis Circuit Layout & Details g Plan and Details Drop Calculations												
3.3.F.A - Lighting 3.3.F.B - Power/ 3.3.F.C - Lighting 3.3.F.D - Voltage	g Analysis Circuit Layout & Details g Plan and Details Drop Calculations Service	0	0	0	0	0	0	0	0	0			
3.3.F.A - Lighting 3.3.F.B - Power/ 3.3.F.C - Lighting 3.3.F.D - Voltage	g Analysis Circuit Layout & Details g Plan and Details Drop Calculations	0	0	0	0	0	0	0	0	0			
3.3.F.A - Lighting 3.3.F.B - Power! 3.3.F.C - Lighting 3.3.F.D - Voltage 3.3.F.E - Power!	g Analysis Circuit Layout & Details g Plan and Details p Drop Calculations Service TOTAL 3.3 - Stage2	0	0	0	0	0	0	0	0	0			
3.3.F.A - Lighting 3.3.F.B - Power/ 3.3.F.C - Lighting 3.3.F.D - Voltage 3.3.F.E - Power s 3.5.F.E - Power s	g Analysis Circuit Layout & Details g Plan and Details prop Calculations Service TOTAL 3.3 - Stage2 Immental Document			J.V.D.							\$0		
3.3.F.A - Lighting 3.3.F.B - Power/ 3.3.F.C - Lighting 3.3.F.D - Voltage 3.3.F.E - Power s 3.5.F.E - Power s	g Analysis Circuit Layout & Details g Plan and Details p Drop Calculations Service TOTAL 3.3 - Stage2	0	0	0	0	0	0	0	0	0	\$0		
3.3.F.A - Lighting 3.3.F.B - Power! 3.3.F.C - Lighting 3.3.F.D - Voltage 3.3.F.E - Power! 9.5 - Prepare Enviror 3.5.A - Prepare Enviror	g Analysis Circuit Layout & Details g Plan and Details prop Calculations Service TOTAL 3.3 - Stage2 Immental Document			J.V.D.							\$0 \$0		
3.3.F.A - Lighting 3.3.F.B - Power! 3.3.F.C - Lighting 3.3.F.D - Voltage 3.3.F.E - Power: 5.5 - Prepare Enviror 3.5.A - Prepare Enviror 6.6 - Environmental 3.6.A - Environmental	g Analysis Circuit Layout & Details g Plan and Details prop Calculations Service TOTAL 3.3 - Stage2 Immental Document irronmental Document TOTAL 3.5 - Prepare Environmental Document Commitments and Plan Notes			J.V.D.							\$0		
3.3.F.A - Lighting 3.3.F.B - Power's 3.3.F.C - Lighting 3.3.F.D - Voltage 3.3.F.E - Power's 5.5 - Prepare Enviror 3.5.A - Prepare Enviror 3.5.A - Environmental 3.6.A - Environmental 3.6.A - Environmental 3.7.A - Environmental 3.8.A - Environmental	g Analysis Circuit Layout & Details g Plan and Details g Drap Calculations Service TOTAL 3.3 - Stage2 Immental Document Irrormental Document TOTAL 3.5 - Prepare Environmental Document Commitments and Plan Notes lal Commitment Plan Notes	0	0	0	0	0	0	0	0	0	\$0		
3.3.F.A - Lighting 3.3.F.B - Power! 3.3.F.C - Lighting 3.3.F.D - Voltage 3.3.F.E - Power! 5.5 - Prepare Enviror 3.5.A - Prepare Enviror 3.5.A - Prepare Enviror 3.5.A - Environmental 6 3.6.A - Environmental 6	g Analysis Circuit Layout & Details g Plan and Details p Drop Calculations Service TOTAL 3.3 - Stage2 Immental Document Irrormental Document TOTAL 3.5 - Prepare Environmental Document Commitments and Plan Notes tal Commitment Plan Notes	0	0	0	0	0	0	0	0	0	\$0		
3.3.F.A - Lighting 3.3.F.B - Power! 3.3.F.C - Lighting 3.3.F.D - Voltage 3.3.F.E - Power! 5.5 - Prepare Enviror 3.5.A - Prepare Enviror 3.6.A - Environmental (3.6.A - Enviro	g Analysis Circuit Layout & Details g Plan and Details p Drop Calculations Service TOTAL 3.3 - Stage2 Immental Document Irrormental Document TOTAL 3.5 - Prepare Environmental Document Commitments and Plan Notes tal Commitment Plan Notes	0	0	0	0	0	0	0	0	0	\$0		

C-R-S	HAM CR 284 1.33				DIRE	CTC	OSTS				Version: Feb 2017	
Consultant:	Crawford, Murphy & Tilly, Inc.											
Agreement No.	0									- a		
Modification No.	0	2	B 8	_	-	2			ent	Re		
PID No.	107130		a a a a a a a a a a a a a a a a a a a	Mai	è	5			Ē	ā		
Proposal Date	8/12/2020	8	E 8 C	P	5	Ë	so.		。	§.		
		Mileage	Lodging and Meals per agent per night	Certified Mail	Cans of Paint	Equipment/Truck	Copies	Mail	GPS Equipment	Noise Meter Rente	Total	
Task Description	Unit Cost:	\$0.52	\$131.00	\$6.00	\$2.75	\$35.00	\$2.00	\$1.00	\$100.00	\$150.00		
4 - Final Engine	eering and R/W Phase			i dia								
1.2 - Stage 3 Detailed									AND DESCRIPTION OF		ALC: NAME OF TAXABLE PARTY.	
4.2.A.K - Lighting											S	
4.2.A.R - Lighting											\$0	
4.2.E.A - Lighting											\$0	
	TOTAL 4.2 - Stage 3 Detailed Design Plans	0	0	0	0	0	0	0	0	0	\$0	
.4 - Final Plan Packa	ige				DESCRIPTION OF	NAME OF STREET		elle follows		TABLE TO SE	HEAD SOUNDS	
4.4.A - Submission of	of Final Tracings and Documentation				1					SHEET OF ALL	SC	
	4.4 - Final Plan Package	0	0	0	0	0	0	0	0	0	\$0	
	TOTAL - Final Engineering Phase	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	60		
Andrew Marie Control	TOTAL - Fillal Eligilleeting Filase	U	φU	\$ U	20	\$0	\$0	\$0	\$0	\$0	\$0	
									-			
		0	0	0	0	0	0	0	0	0	\$0	
											90	
F-AUTHORIZED	TASKS:	MAN AND A	T. STANGE	Brillion.	THE RES	Television		145 M. H. W.	\$1.20 SEC		T - 200	
	Noise Analysis	40	-						1		\$271	
	Phase I Cultural Resource Survey										\$0	
	Regulated Materials Review Assessment	40									\$21	
		80	0	0	0	0	0	0	0	0	\$292	
		80	0	0	0	0	0	0	0	0	\$292	
		80	0	0	0	0	0	0	0	0	\$292	

C-R-S	HAM CR 284 1.33					
Consultant:	Crawford, Murphy, & Tilly, Inc.					
Agreement No.	0					
Modification No.	0					
PID No.	107130					
Proposal Date	8/12/2020				-	
		aut			rize	
Task Descriptio	n	Consultant	тодо	LPA	If-Authorized	Narrative
2.2.G - Noise Analysis	3	x x	x	x	x x	An if-authorized task has been included for a noise analysis if determined necessary by OES. Due to the relocation of the parcel at the northeast corner of the
2.2.E - Underserved F	Population Evaluation	x				intersection, an evaluation for possible underserved populations is required. No UPAIR is anticipated.
2.8.A - Meetings		x				This task includes 4 hours for progress meetings with the client and coordination calls/meetings with ODOT as necessary.
2.8.B - General Overs	ight	x				This task includes 2 hours/month for 8 months for overall management, invoicing, and project progress reporting.
2.8.C - Project Set Up		х				CMT has included 4 hours for this task.
3.1.A - Phase I Cultura	al	x			x	An if-authorized task has been included for either a phase I archaeological or history architecture survey as a placeholder. Once OES has defined a scope, a defined scope and fee can be provided.
3.1.D - RMR Assessm	ent				x	An if-authorized task has been included for an RMR Assessment of the parcel to be acquired on the NE corner.
3.3.F.A - Lighting Anal	ysis	x				20-50 in ODOT fee guidance.
3.3.F.B - Power/Circuit	t Layout & Details	x		*		21-41 hours per sheet
3.3.F.C - Lighting Plan	and Details	x				31-45 hours per sheet in ODOT fee guidance.
3.3.F.D - Voltage Drop	Calculations	x				
3.3.F.E - Power Servic	e	x				

3.1- Environmental Document D1	x	Due to the relocation of the parcel at the northeast corner of the intersection, a D1 document will be required.
3.6.A - Environmental Commitment Plan Notes	x	Develop and provide plan notes for inclusion in the plans
4.2.A.K - Lighting Subsummary	x	ODOT fee guidance of 17-25 hours per sheet
4.2.A.R - Lighting Notes	x	1 sheet anticipated
4.2.E.A - Lighting Details	x	1 sheet anticipated
4.4.A - Submission of Final Tracings and Documentation	x	

Subconsultant Proposal - Heritage Land Services

RW ACQUISITION SERVICES COST PROPOSAL

Company Name: Heritage Land Services, Inc.

District: 8 **Date:** 07/21/2020

PID NO.: 107130 Task No.:

Project CRS: HAM-CR284-1.33

Pay Item	Type of Unit	No. of Units	Fee Per Unit	Total Amount
1. Project Management - line items found in sections below	parcel			
2. Appraisal				
a. RE 95 Preparation	parcel		Т	\$0.0
b. R/W Appraisal Report (RE 25-17)	parcel	1	\$6,500.00	\$6,500.0
c. Limited Scope R/W Appraisal Report (RE 25-17)	parcel	•	\$ 0,000,000	\$0.0
d. Value Finding (RE 90)	parcel	3	\$1,500.00	\$4,500.00
e. Value Analysis	parcel	1	\$750.00	\$750.0
f. Project Data Book	parcel			\$0.00
g. Project Management	parcel	5	\$150.00	\$750.0
SECTION SUBTOTAL				\$12,500.0
3. Appraisal Review				
a. R/W Appraisal Report(RE 25-16)	parcel			\$0.00
b. Limited Scope R/W Appraisal Report (RE 25-16)	parcel			\$0.00
c. Value Finding (RE 25-14)	parcel			\$0.0
d. Value Analysis (RE 25-13)	parcel			\$0.00
e. USPAP Review (RE 25-12)	parcel			\$0.00
f. Parcel Impact Note	parcel			\$0.00
g. Appraisal Problem Analysis	parcel			\$0.00
h. Project Management	parcel			\$0.00
SECTION SUBTOTAL				\$0.00
4. Title Researches				
a. Abbreviated Titles	parcel			\$0.00
b. Full Title (42 year)	parcel	5	\$600.00	\$3,000.00
c. Title Update	parcel	5	\$150.00	\$750.00
d. Project Management	parcel	5	\$150.00	\$750.00
SECTION SUBTOTAL				\$4,500.00
SECTION TOTAL				\$17,000.00

Table split for Federal Authorization for Right of Way Acquisition

Pay Item	Type of Unit	No. of Units	Fee Per Unit	Total Amount
5. Negotiation				
 a. Negotiation (includes letters, packets, negotiations, billings, document preparation, plan revision coordination, etc.) 	parcel	5	\$1,800.00	\$9,000.00
h Dill of Colo Nagatistics	Per			Φ0.00
b. Bill of Sale Negotiation	BS Parcel			\$0.00
c. Negotiation Trainee	parcel		0150.00	\$0.00
d. Project Management SECTION SUBTOTAL	parcel	5	\$150.00	\$750.00
6. Closings	<u> </u>			\$9,750.00
a. Mail Out	parcel	1	\$350.00	\$350.00
b. Formal (includes forms RE 30, 31, 44, 45 & 57 and etc.)	parcel	4	\$650.00	\$2,600.00
c. Formal - structure parcels	parcel		400000	\$0.00
d. Title Update for Appropriation	parcel			\$0.00
e. Mortgage Release	per release			\$0.00
f. Project Management	per release	5	\$150.00	\$750.00
SECTION SUBTOTAL				\$3,700.00
7. Relocation Assistance Services				, in the second sec
a. Residential offer made	parcel	1	\$3,500.00	\$3,500.00
b. Residential final billing	parcel	1	\$3,500.00	\$3,500.00
c. Commercial Offer made	parcel	1	\$2,250.00	\$2,250.00
d. Commercial final billing	parcel	1	\$2,250.00	\$2,250.00
e. Personal Property final billing	parcel			\$0.00
f. Pre-Acquisition Survey/Interview	parcel	2	\$500.00	\$1,000.00
g Pre-Acquisition Report	parcel			\$0.00
Project Management for	marra 1			
h Relocation/Relocation Review	parcel	2	\$150.00	\$300.00
SECTION SUBTOTAL				\$12,800.00
8 Relocation Review				
a. Residential Review	parcel			\$0.00
b. Commercial Review	parcel			\$0.00
c. Personal Property Review	parcel			\$0.00
d. Project Management	parcel			\$0.00
SECTION SUBTOTAL				\$0.00

Pay Item	Type of Unit	No. of Units	Fee Per Unit	Total Amount
9. Asbestos	•			
a. Collection/Reporting	parcel			\$0.00
b. Testing	parcel			\$0.00
SECTION SUBTOTAL				\$0.00
10. Miscellaneous				
Design Desk and Field Review - a. Appraisal and Project Management	Hourly			\$0.00
b. Mileage for Field Review	Miles			\$0.00
c. Meeting with City/Engineering Staff	parcel			\$0.00
d. Specialty Appraisal Studies (Parking, Rent, Architectural etc.)	parcel			\$0.00
e. Copies and Recording fees (reimbursable based on actual cost for Titles and Closings - receipts necessary)	parcel	5	\$150.00	\$750.00
f. R/W Cost Estimate (RE-101)	parcel			\$0.00
SECTION SUBTOTAL		DATE TO SE		\$750.00
SECTION TOTAL				\$27,000.00