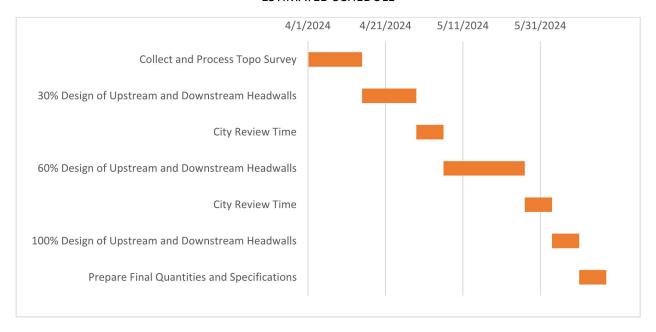
# ATTACHMENT "B" – ESTIMATED SCHEDULE/PROPOSAL/INVOICING HEAD WALL REPLACEMENT – MARCHANT PL. AND RIDGEWAY CR.

### **ESTIMATED SCHEDULE**



#### PROJECT FEE ESTIMATING SHEET

# Design Phase Services - Marchant PI and Ridgeway Cir - Culvert Headwalls and Sidewalk Replacement Project Lewisville, Denton County, TX

					199		Labor	Other Dire	ct Costs	Total	Subtotal
Tasks		Eng. XI	Eng. VIII	Eng. II	ET-IX	Admin-III	Costs	14	04	Fee	Fee
Tasks		\$280.00	\$220.00	\$121.00	\$155.00	\$140.00	Costs	Item	Cost	Fee	ree
7.		Ψ200.00	Ψ220.00	Ψ121.00	ψ100.00	ψ140.00					
1.	SURVEY AND DATA COLLECTION SERVICES										\$4,159.00
	1.1 Topographic survey 100 feet upstream and downstream to limits of Right-of-Way, 2										
	locations.		1	2	2		\$772.00	B&W Survey	\$2,705.00	\$3,477.00	
	1.2 Site visit to take measurements necessary for retaining wall design.		2	2			\$682.00		\$0.00	\$682.00	
						•					,
2.	DESIGN PHASE SERVICES										\$35,292.00
	2.1 Review any existing plans or data provided by City and research soil types in area for										
	design.		2				\$440.00	B&W Structural	\$1,984.00	\$2,424.00	
	2.2 Structural design of replacement walls/wings at each end of culvert, 2 locations.		2		1		\$595.00	B&W Structural	\$8,038.00	\$8,633.00	
	2.3 Develop plans for the proposed improvements. Construction drawings will be prepared										
	on 22" x 34" size sheets. The scale shall be as determined to be appropriate. The plan set is										
	anticipated to include:						_		-		
	2.3.1 Cover Sheet		1		2		\$530.00		\$0.00	\$530.00	
	2.3.2 General Notes and Quantity Table Sheet		2	3	3		\$1,268.00		\$0.00	\$1,268.00	
	2.3.3 Plan sheets (removals, grading, sidewalks)		2	8	16		\$3,888.00		\$0.00	\$3,888.00	
	2.3.4 Channel Cross Sections (assumes 1 sheet per location, 2 locations)		1	4	8		\$1,944.00		\$0.00	\$1,944.00	
	2.3.5 Civil detail sheets (assumes 2 sheets)		1	4	4		\$1,324.00	B&W Structural	\$391.00	\$1,715.00	
	2.3.6 Traffic Control Sheets (1 per location, 2 locations)		1	4	8		\$1,944.00	D014/ 0/ 1 1	\$0.00	\$1,944.00	
	2.3.7 Structural Detail Sheets. Assumes 1 sheet per wall at 5 scale.		1	-	2	7	\$530.00	B&W Structural	\$1,856.00	\$2,386.00	
	2.4 Calculate quantities and provide opinion of probable construction cost.	2	1 4	4	4		\$1,324.00	B&W Structural	\$2,144.00	\$3,468.00	
	<ul> <li>2.5 Perform internal QA/QC review of plans and address comments.</li> <li>2.6 Prepare Project Bid Manual using City standard documents including Bid Form,</li> </ul>		4				\$1,440.00	B&W Structural	\$1,488.00	\$2,928.00	
	Project Special Provisions (PSP) and other specifications, as required. City to provide front										
	end documents and any requirements to be included in the bid manual.		4	8			\$1,848.00		\$0.00	\$1,848.00	
	2.7 Submit plans in PDF format to City for their review. Incorporate City comments and		4	0			\$1,040.00		\$0.00	\$1,646.00	
	submit final signed/sealed PDF documents to the City for bidding.		3	6	6		\$2,316.00		\$0.00	\$2,316.00	
	Submit find signed/sedied 1 D1 documents to the Oity for bidding.		J 3				\$2,510.00		\$0.00	ψ2,310.00	
3.	PROJECT MANAGEMENT AND COORDINATION										\$7,788.00
٠.	3.1 Communication with the City throughout project including regular progress reports.	5	12				\$4.040.00	B&W Structural	\$1,048.00	\$5,088.00	<b>\$1,100.00</b>
	3.2 General project administration and invoicing throughout the project.	4	4			5	\$2,700.00		\$0.00	\$2,700.00	
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4.	BIDDING PHASE SERVICES										\$3,988.00
	4.1 Client to handle advertisement of project for bids.						\$0.00		\$0.00	\$0.00	
	4.2 City to conduct prebid meeting with interested Contractors, B&W to attend.	2	2				\$1,000.00		\$0.00	\$1,000.00	
	4.3 Assist the City in answering questions from bidders during bidding regarding plans and										
	specifications.	1	2				\$720.00	B&W Structural	\$768.00	\$1,488.00	
	4.4 Develop any necessary addenda per client direction. Assumes 1.	1	1			Į.	\$500.00		\$0.00	\$500.00	
	4.5 Assist in Contractor Evaluation.	2	2				\$1,000.00		\$0.00	\$1,000.00	
							\$0.00		\$0.00	\$0.00	

							Labor	Other Dire	ct Costs	Total	Subtotal
Tasks		Eng. XI	Eng. VIII	Eng. II	ET-IX	Admin-III	Costs	Item	Cost	Fee	Fee
		\$280.00	\$220.00	\$121.00	\$155.00	\$140.00					
5.	CONSTRUCTION PHASE SERVICES										\$8,768.00
	5.1 City to conduct preconstruction conference with the Contractor, B&W to attend.	2	2				\$1,000.00		\$0.00	\$1,000.00	
	5.2 Review shop drawings and Contractor product submissions.		1	5	5		\$1,600.00	B&W Structural	\$2,584.00	\$4,184.00	
	5.3 Assist the City in answering Contractor questions during construction.		6	3	3		\$2,148.00	B&W Structural	\$1,436.00	\$3,584.00	
	TOTALS	19	60	53	64	5	\$35,553.00		\$24,442.00	\$59,995.00	
										Grand Total	\$59,995.00
6.	ASSUMPTIONS AND EXCLUSIONS FROM SCOPE 6.1 No additional meetings are included in this scope of services.										
	6.2 No utility relocation design or coordination with utility companies is included in this										
	scope of services. It is assumed all utility coordination is handled by City staff.										
	6.3 This contract assumes all work will be performed within existing right-of-way. No										
	preparation of easement documents or assistance with acquisitions is included in this scope of services.										
	6.4 No permitting is included in this scope of services.										
	6.5 No public meeting or preparation of exhibits is included in this scope of services.										
	6.6 No geotechnical investigation or environmental assessment is included in this scope of										
	services.										
	6.7 No additional bidding phase services are included in this scope of services including,										
	but not limited to, advertisement for bids.										
	6.8 No additional construction phase services are included in this scope of services										
	including, but not limited to, administration of construction contract, construction observation,										
	final walkthrough, or preparation of record drawings.		1								

# ESTIMATED INVOICE BREAKDOWN

# HEAD WALL REPLACEMENT - MARCHANT PL. AND RIDGEWAY CR.

April 2024		\$15,000.00
May 2024		\$25,000.00
June 2024		\$10,000.00
September 2024		\$6,000.00
March 2025		\$3,995.00
	Total	\$59,995.00