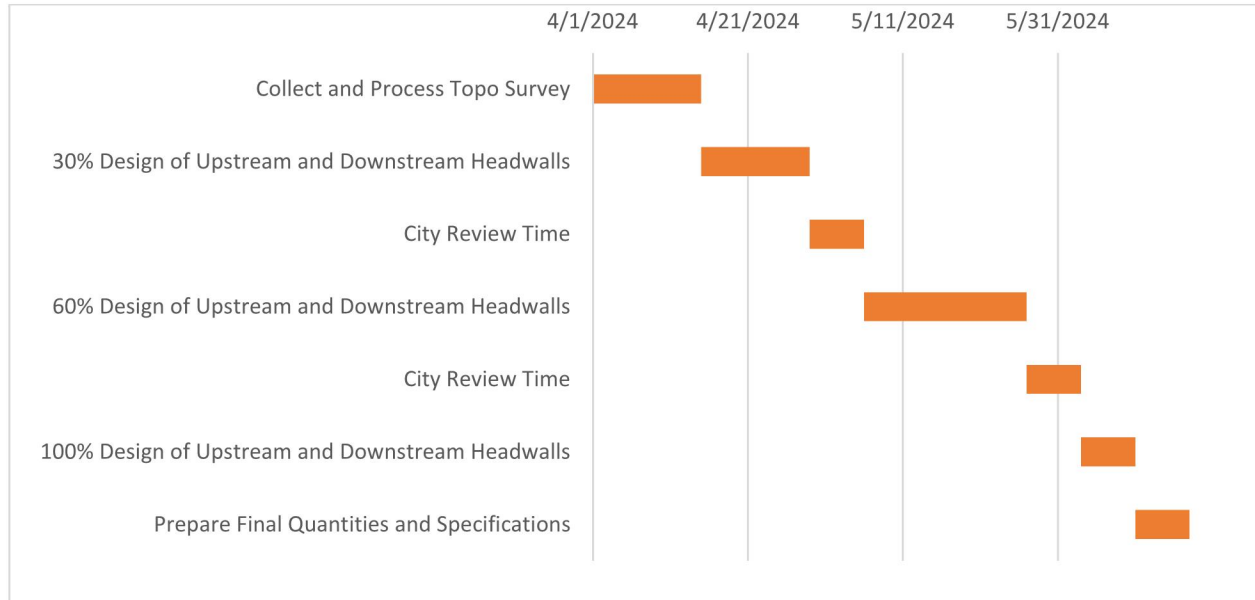


ATTACHMENT "B" – ESTIMATED SCHEDULE/PROPOSAL/INVOICING
HEAD WALL REPLACEMENT – MARCHANT PL. AND RIDGEWAY CR.

ESTIMATED SCHEDULE



PROJECT FEE ESTIMATING SHEET

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

Tasks							Labor	Other Direct Costs		Total	Subtotal
		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					
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		\$0.00	\$1,944.00	
	2.3.7 Structural Detail Sheets. Assumes 1 sheet per wall at 5 scale.		1		2		\$530.00	B&W Structural	\$1,856.00	\$2,386.00	
	2.4 Calculate quantities and provide opinion of probable construction cost.		1	4	4		\$1,324.00	B&W Structural	\$2,144.00	\$3,468.00	
	2.5 Perform internal QA/QC review of plans and address comments.	2	4				\$1,440.00	B&W Structural	\$1,488.00	\$2,928.00	
	2.6 Prepare Project Bid Manual using City standard documents including Bid Form, 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 submit final signed/sealed PDF documents to the City for bidding.		3	6	6		\$2,316.00		\$0.00	\$2,316.00	
3. PROJECT MANAGEMENT AND COORDINATION \$7,788.00											
	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	
	3.2 General project administration and invoicing throughout the project.	4	4			5	\$2,700.00		\$0.00	\$2,700.00	
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				\$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	

[illegible]

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