



## Consulting Scope of Services & Cost Estimate

PROJECT NAME: Missoula Water - Dickens to McCormick Water Main Replacement			\$80	\$115	\$115	\$140	\$170	\$205	\$205	\$140	\$200	DATE: June 5, 2023		
100 Series - Preliminary Project Assessment and Planning			Admin	CAD	Technician	Production	Project Manager	Senior Staff		Survey Crew		Consulting Cost Estimate		
Item No.	Description	Scope		Lead Drafter	El/Other	PE/EI	PE	PE	PLS	1 Man	2 Man	IMEG Services	Direct Expenses	Agency Review Fees
100	Project Management	IMEG project meetings, schedule, and project coordination associated with this portion of work.					2					\$ 340.00		
107	Pre-Design Meeting with Client	Project Manager and select team members will meet with the Client to discuss project goals and project coordination. Initial meeting with Missoula Water to review as-builts of the main plus water service ditch cards and discuss tie in options. Review preliminary survey research.			14	10	2					\$ 3,350.00		
119	Review Right-of-Way, Plats & COS's	Time included to research the status of the adjacent right of ways (ROWs). Time included to research at Records Room concerning ROW. Assumes ROW will not be determined to be exact as improvements will take place within the road right of ways and service lines will be run just outside of road area.					2		2			\$ 750.00		
197	Preliminary Alignment Review - Stage 2	Based on the information gained through the initial feasibility tasks and field work, IMEG will prepare a preliminary alignment and connection options of the water main replacement. IMEG will submit preliminary alignment to Missoula Water for review/comment as part of the Stage 2 submittal process.		30		8	3					\$ 5,080.00		
198	Preliminary Agency Coordination - MRL	Assumes that IMEG and City of Missoula will have a preliminary meeting with MRL to discuss overall project and future permitting needs. Assumes one meeting with MRL.				2.5	1					\$ 520.00		
<b>Series 100 Total</b>			0	30	14	20.5	10	0	2	0	0	\$ 10,040.00	\$ -	\$ -
200 Series - Field Work & Surveying			Admin	CAD	Technician	Production	Project Manager	Senior Staff		Survey Crew		IMEG Services	Direct Expenses	Agency Review Fees
200	Project Management	IMEG project meetings, schedule, and project coordination associated with this portion of work.					3					\$ 510.00		
202	General Site Visit	Engineering staff member to walk site to get general understanding of topography and existing features. Become familiar with the previously unidentified potential challenges to the project and take photos of the site. Assumes time included to research and dip sewer mains in the project area.			6	2	1					\$ 1,140.00		
241	Limited R/W Survey & Utility/Topographic Mapping	IMEG will request a utility locate five business days prior to the survey crew being on site. The visible, above ground utilities and respective underground utility locations will be tied by the survey crew for future placement on to the site map. Time included for a drafter to reduce the mapping into a site map. IMEG survey crews will visit the site and ties structures, improvements, cultural features and ground elevations sufficient to create an accurate map of the site. Contours will be generated at one-foot intervals based upon the collected data, creating a surface suitable for design. Cultural features include, but are not limited to: mail boxes, utility lines, fences, power poles, wells, pathways, driveways and signs. Mapping will be completed and referenced to the Montana State Plane coordinate system and the vertical datum will be referenced to NAVD88. In addition to topographic features, limited R/W ties will be made to existing monumentation & surveys/plats of record. Mapping information will be depicted in relation to the R/W. Survey control will also be placed in areas out of the construction area that can be used during the construction staking phase of the project. Assumes 5 days of survey crew field work. Project survey area is Dickens from Sherwood to Cooper. Cooper from Dickens to Holmes. Milton from Cooper to Toole, Toole from Milton to McCormick. Also included strip mapping for existing hydrant lead into MRL property.		20			2		3	52		\$ 10,535.00	\$ 800.00	
<b>Series 200 Total</b>			0	20	6	2	6	0	3	52	0	\$ 12,185.00	\$ 800.00	\$ -
500 Series - MDEQ: Applications, Sewer Designs; Water Designs; Subdivision Drainage Design			Admin	CAD	Technician	Production	Project Manager	Senior Staff		Survey Crew		IMEG Services	Direct Expenses	Agency Review Fees
500	Project Management	IMEG project meetings, schedule, and project coordination associated with this portion of work.					8					\$ 1,360.00		
575	DEQ 1 Water System, Report - Exhibits	Develop the water system collection maps for this vicinity and gather hydrant test data. Assumes that Missoula Water will provide the hydrant test data to IMEG if needed.			3	1						\$ 485.00		

