| No.   Price  |       | PROJECT NAME               | Consulting S<br>Missoula Water - N. 2nd and Cottonwood Replacement   | cope o<br>\$75 | of Servi<br>\$95 | ces & Co<br>\$95 | ost Estir<br>\$110 | mate<br>\$140 | \$150 | \$150   | \$120 | \$180   | DATE:       |                | July 6, 20          |
|--|-------|----------------------------|--|----------------|------------------|------------------|--------------------|---------------|-------|---------|-------|---------|-------------|----------------|---------------------|
| No.   LIGNer   PELE   PEL   PEL   PEL   PL   PL   IMm   Dimber   Dimber   Dimber   Dimber   Dimber   Dimber   PELE   PEL   PL   PL   IMm   Dimber   PELE   PEL   PEL   PL   IIII   Dimber   Dim   Dim   Dim   Dimber <th>00 Se</th> <th>iries - Preliminary Projec</th> <th>t Assessment and Planning</th> <th>Admin</th> <th>CAD</th> <th>Technician</th> <th>Production</th> <th></th> <th>Senio</th> <th>r Staff</th> <th>Surve</th> <th>ey Crew</th> <th>Consi</th> <th>ulting Cost Es</th> <th>stimate</th>   | 00 Se | iries - Preliminary Projec | t Assessment and Planning  | Admin          | CAD              | Technician       | Production         |               | Senio | r Staff | Surve | ey Crew | Consi       | ulting Cost Es | stimate             |
| Processing Meding with<br>Figure 1 protein of work. Pro-<br>line <th< th=""><th></th><th>Description</th><th>Scope</th><th></th><th></th><th>El/Other</th><th>PE/EI</th><th>PE</th><th>PE</th><th>PLS</th><th>1 Man</th><th>2 Man</th><th></th><th></th><th>Agency<br/>Review Fe</th></th<>  |       | Description                | Scope  |                |                  | El/Other         | PE/EI              | PE            | PE    | PLS     | 1 Man | 2 Man   |             |                | Agency<br>Review Fe |
| Client   project goals and project coordination. Initial meeting with Missoula Water to<br>review abuilts of the main plus service difficults cards and discuss the in options.<br>Review preliminary survey research.   Image: Coordination of the service of                     | 100   | Project Management         |  |                |                  |                  |                    | 4             |       |         |       |         | \$ 560.00   |                |                     |
| Plats & COS   included to research at Records Room concerning ROW. Assumes ROW will not ways and service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing boulevard.   Image: Cost of the service lines will be run into the existing bound will be run into the existing bound will be run into the existing bound wil   | 107   |                            | project goals and project coordination. Initial meeting with Missoula Water to review as-builts of the main plus service ditch cards and discuss tie in options.   |                |                  |                  | 6                  | 2             |       |         |       |         | \$ 940.00   |                |                     |
| Review - Stage 2   MEG will prepare a periminary alignment and connection options of the water main replacement. MEG will submit periminary alignment to Missoula Water for review/comment as part of the Stage 2 submittal process.   Series 100 Total   0   12   0   12   8   0   2   0   0   \$   2,080.00   \$   5     Obseries - Field Work & Survey/ng   MMEG project meetings, schedule, and project coordination associated with this portion of work.   CAD   Technician   Project Management   MMEG project meetings, schedule, and project coordination associated with this portion of work.   CAD   CAD   Call of the Stage 2   A dmin   CAD   CAD   Call of the Stage 2   0   0   Senior Staff   Senior Staff<  | 119   |                            | 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   |                |                  |                  |                    |               |       | 2       |       |         | \$ 300.00   |                |                     |
| 200 Beries - Field Work & Surveying Admin CAD Technician Project Project Senior Staff Survey Crew IMEG Direct   200 Project Management IMEG project meetings, schedule, and project coordination associated with this portion of work. 3 3 5 420.00   202 General Site Visit Engineering staff member to walk site to get general understanding of topography and existing features. Become familiar with the previously undentified potential challenges to the project and take photos of the site. Assumes time included to research and dip. sever mains in the project area. 2 4 4 4 5 630.00   241 Limited RW Survey & UMEG or after to reduce the mapping into a site map. Unit the site and the structures, information to the site structures, information associated with the site and the structure placement on to the site map. Time included for a drafter to reduce the mapping into a site map. MEG Survey Crews Will be anoney crew for future placement on to the site Burvey. Time included for design. Cultural features and ground elevations sufficient to create an accurate map of the site. Contors will be generated at one-foot intervals based upon the collected data, creating a surface suitable for design. Cultural features include, but are no limited to: mail boxes, utility lines, fences, power poles, wells, nad digno to the mode to existing monumentation & surveys/plats of record. Mapping information will be depicted in relation to the posparaphic features, limited RW Weis will be completed and referenced to the NAVD8. In addition to topographic features, limited RW Weis will be completed and referenced to the NAVD8. In addition to topographic features, limited RW   | 197   |                            | IMEG will prepare a preliminary alignment and connection options of the water<br>main replacement. IMEG will submit preliminary alignment to Missoula Water for  |                | 12               |                  | 6                  | 2             |       |         |       |         | \$ 2,080.00 |                |                     |
| Vertication Vertication Production Manager Senior Staff Survey Crew Services Expenses Reg   200 Project Management IMEG project meetings, schedule, and project coordination associated with this portion of work. a a a a a s 420.00 a a a a a a a s 420.00 a <td></td> <td></td> <td>Series 100 Total</td> <td>0</td> <td>12</td> <td>0</td> <td>12</td> <td>8</td> <td>0</td> <td>2</td> <td>0</td> <td>0</td> <td>\$ 3,880.00</td> <td>\$-</td> <td>\$.</td>   |       |                            | Series 100 Total   | 0              | 12               | 0                | 12                 | 8             | 0     | 2       | 0     | 0       | \$ 3,880.00 | \$-            | \$.                 |
| Image: Second Step Visit Description of work. Description of work. Description of work. S 420.00   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. 2 4 A A B <   | 00 Se | ries - Field Work & Surve  | eying  | Admin          | CAD              | Technician       | Production         |               | Senio | r Staff | Surve | ey Crew | -           |                | Agency<br>Review Fe |
| and existing features. Become familiar with the previously undentified potential challenges to the project and take photos of the site. Assumes time included to research and dip. sewer mains in the project area.   2   12   2   2   48     241   Limited RW 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 locate five business days prior to the survey crew being on site. The visible, above ground utilities and respective underground utility locate five business days prior to the survey crew being or site. The visible, above ground utilities and respective underground utility locate five business days prior to the survey crew for furture 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, inprovements, 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, finces, 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 the NAVD88. In addition to to pographic features, limited RW. Bis will be nead to existing monumentation & surveys/plats of record. Mapping information will be depicted in relation to the RW. 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 3 days   Image: Control will also be place wills will be construction area that can be used d  | 200   | Project Management         |  |                |                  |                  |                    | 3             |       |         |       |         | \$ 420.00   |                |                     |
| Utility/Topographic   on site. The visible, above ground utilities and respective underground utility     Mapping   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 NAVD88. In addition to   to pographic features, limited R/W ties will be made to existing monumentation & surveys/plats of record. Mapping information will be depicted in relation to the     RW. Survey control will also be placed in a reas out of the construction area that can be used during the construction staking phase of the project. Assumes 3 days   | 202   | General Site Visit         | and existing features. Become familiar with the previously unidentified potential challenges to the project and take photos of the site. Assumes time included to  |                |                  | 2                | 4                  |               |       |         |       |         | \$ 630.00   |                |                     |
| Hickory from 1st to 2nd, 2nd Street from Hickory to Orange, and Cottonwood from  |       |                            | INAL O will be succeed a william to star fine three in the start of the succeeded to the su | 2              | 12               |                  |                    | 2             |       | 2       | 48    |         |             |                |                     |
| Initial y list of angle of a list of a |       | Utility/Topographic        | 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 3 days, of survey crew field work. Project survey area is 1st Street from Walnut to Hickory.   |                |                  |                  |                    |               |       |         |       |         |             |                |                     |

| 500 Series - MDEQ: Applications, Sewer Designs; Water Designs; Subdivision Drainage Design       500 Project Management     IMEG project meetings, schedule, and project coordination associated with this |   | Admin  | CAD   | Technician | Production       | Project<br>Manager | Senio             | r Staff | Surve   | ey Crew | IMEG<br>Services | Direct<br>Expenses                                    | Agency<br>Review Fees |             |
|--|---|--|-------|------------|------------------|--------------------|-------------------|---------|---------|---------|------------------|---|-----------------------|-------------|
| 500  | Project Management  | IMEG project meetings, schedule, and project coordination associated with this<br>portion of work.   |       |            |                  |                    | 6                 |         |         |         |                  | \$ 840.00   |                       |             |
| 575  | DEQ 1 Water System,<br>Report - Exhibits  | Develop the water system collection maps for this vicinity and gather hydrant test<br>data. Assumes that Missoula Water will provide the hydrant test data to IMEG if<br>needed.   |       |            | 2                | 1                  |                   |         |         |         |                  | \$ 300.00   |                       |             |
| 577  | DEQ 1 Water System,<br>Report - Produce   | Given that the involved parties are familiar with this type of water main<br>replacement work, the MDEQ Certified Checklist for water mains will be used.<br>This checklist requires a thorough review of the plans against MDEQ's Circular<br>DEQ-1 for compliance. In addition, a simple design report will be prepared in<br>accordance with Circular DEQ-1. This includes getting certification from the Client<br>that they will retain a PE to certify the improvements and review by the governing<br>body's Engineering staff for the main replacement plans. Assumes there will be<br>one Deviation request.  |       |            | 6                | 1                  |                   |         |         |         |                  | \$ 680.00   |                       | \$ 300.00   |
| 580  | DEQ 1 Water System,<br>Construction Plans -<br>Plan/Profile   | Complete Construction Plans will be prepared depicting plan and profile of the<br>water main replacement for the following areas: 1st Street from Walnut to Hickory<br>Hickory from 1st to 2nd, 2nd Street from Hickory to Orange, and Cottonwood from<br>2nd to 3rd. The plans will include water main with valves, bends, blow-off,<br>services, and fire hydrant. Includes one solicitation of preliminary review from<br>system Owner. Assumes up to five sheets will be required for plan and profile.  |       | 38         |                  | 8                  | 4                 |         |         |         |                  | \$ 5,050.00   |                       |             |
|  | DEQ 1 Water System,<br>Construction Plans -<br>Details  | Prepare cover sheet and up to two detail sheets including water service table and<br>typical details for water main construction. Additional coordination with the system<br>Owner is not anticipated for details since this is a standard water main<br>construction.   |       | 8          |                  | 4                  | 2                 |         |         |         |                  | \$ 1,480.00   |                       |             |
| 588  | City of Missoula Stage 3<br>and Stage 4 Checklists  | Assumes that the Stage 3 and Stage 4 Checklist will need to be completed for the<br>City of Missoula. Time included to complete these 2 checklist and submit to the<br>City for their review and approval.   |       | 3          | 12               | 6                  | 2                 |         |         |         |                  | \$ 2,365.00   |                       |             |
| 591  | MDEQ Submittal  | Finalize packet, copy, and send in. Assumes no review fees as project will be an<br>SRF project.   |       |            |                  | 2                  | 1                 | 4       |         |         |                  | \$ 960.00   |                       |             |
| 594  | Address Reviewer<br>Questions   | As these are simple main projects with the Certified Checklist, it is assumed that there will be no MDEQ requests for additional information.  |       |            |                  |                    |                   |         |         |         |                  | \$-   |                       |             |
|  |   | Series 500 Tota  | 0     | 49         | 20               | 22                 | 15                | 4       | 0       | 0       | 0                | \$ 11,675.00  | \$-                   | \$ 300.00   |
| 800 S  | eries - Construction Admi   | nistration, Inspections, and Staking   |       |            |                  |                    | Project           |         |         |         |                  | IMEG  | Direct                | Agency      |
| 200  |   |  | Admin | CAD        | Technician       | Production         | Manager           | Senio   | r Staff | Surve   | ey Crew          | Services  | Expenses              |             |
|  | Project Management<br>Contract Documents and<br>Specifications - Including<br>SRF Documentation                             | Time included for project meetings and project coordination.<br>IMEG will prepare a Project Manual with Contract Documents and Specifications.<br>The contract documents will be appropriately formatted for the project funding<br>source and will integrate the City of Missoula Project Special Conditions and<br>applicable contract forms. The Contract Documents will include the following<br>sections: Invitation to Bid, Instructions to Bidders, Acknowledgment of Receipt of<br>Addendum, Bid Form and Unit Price Schedule, Bid Bond, Notice of Award,<br>Agreement, Payment and Performance Bonds, Notice to Proceed, Change Order<br>Form, Application for Payment Form, Certificate of Completion Form, General<br>Conditions, Supplementary Conditions, Wage Rates, EEO Requirement<br>Provisions, City of Missoula Special Provisions, SRF Requirements, and IMEG<br>Special Provisions. The contract documents will also include the Final<br>Construction Drawings.  | Admin | CAD        | Technician<br>12 | Production<br>8    | Manager<br>8<br>6 | Senio   | r Staff | Surve   | ey Crew          |   |                       | Review Fees |
| 801<br>803   | Contract Documents and<br>Specifications - Including<br>SRF Documentation<br>Quantity Estimates                             | IMEG will prepare a Project Manual with Contract Documents and Specifications.<br>The contract documents will be appropriately formatted for the project funding<br>source and will integrate the City of Missoula Project Special Conditions and<br>applicable contract forms. The Contract Documents will include the following<br>sections: Invitation to Bid, Instructions to Bidders, Acknowledgment of Receipt of<br>Addendum, Bid Form and Unit Price Schedule, Bid Bond, Notice of Award,<br>Agreement, Payment and Performance Bonds, Notice to Proceed, Change Order<br>Form, Application for Payment Form, Certificate of Completion Form, General<br>Conditions, Supplementary Conditions, Wage Rates, EEO Requirement<br>Provisions, City of Missoula Special Provisions, SRF Requirements, and IMEG<br>Special Provisions. The contract documents will also include the Final<br>Construction Drawings.<br>Based on Construction Drawings IMEG will determine quantities of work items for<br>an Engineers Cost Estimate.  | Admin | CAD        |                  | 8                  | 8                 | Senio   | r Staff | Surve   | ey Crew          | Services<br>\$ 1,120.00                               |                       |             |
| 801<br>803<br>805  | Contract Documents and<br>Specifications - Including<br>SRF Documentation<br>Quantity Estimates<br>Engineer's Cost Estimate | IMEG will prepare a Project Manual with Contract Documents and Specifications.<br>The contract documents will be appropriately formatted for the project funding<br>source and will integrate the City of Missoula Project Special Conditions and<br>applicable contract forms. The Contract Documents will include the following<br>sections: Invitation to Bid, Instructions to Bidders, Acknowledgment of Receipt of<br>Addendum, Bid Form and Unit Price Schedule, Bid Bond, Notice of Award,<br>Agreement, Payment and Performance Bonds, Notice to Proceed, Change Order<br>Form, Application for Payment Form, Certificate of Completion Form, General<br>Conditions, Supplementary Conditions, Wage Rates, EEO Requirement<br>Provisions, City of Missoula Special Provisions, SRF Requirements, and IMEG<br>Special Provisions. The contract documents will also include the Final<br>Construction Drawings.<br>Based on Construction Drawings IMEG will determine quantities of work items for<br>an Engineer's estimate.<br>Prepare an engineer's estimate based on the bid item schedule (quantities) in the<br>contract documents. Unit costs will be derived from other recent construction<br>projects and any preliminary unit costs the Client may have obtained. | Admin |            |                  | 8                  | 8                 | Senia   | r Staff | Surve   | ey Crew          | Services<br>\$ 1,120.00<br>\$ 2,860.00                |                       |             |
| 801<br>803<br>805  | Contract Documents and<br>Specifications - Including<br>SRF Documentation<br>Quantity Estimates                             | IMEG will prepare a Project Manual with Contract Documents and Specifications.<br>The contract documents will be appropriately formatted for the project funding<br>source and will integrate the City of Missoula Project Special Conditions and<br>applicable contract forms. The Contract Documents will include the following<br>sections: Invitation to Bid, Instructions to Bidders, Acknowledgment of Receipt of<br>Addendum, Bid Form and Unit Price Schedule, Bid Bond, Notice of Award,<br>Agreement, Payment and Performance Bonds, Notice to Proceed, Change Order<br>Form, Application for Payment Form, Certificate of Completion Form, General<br>Conditions, Supplementary Conditions, Wage Rates, ECD Requirement<br>Provisions, City of Missoula Special Provisions, SRF Requirements, and IMEG<br>Special Provisions. The contract documents will also include the Final<br>Construction Drawings.<br>Based on Construction Drawings IMEG will determine quantities of work items for<br>an Engineer's estimate based on the bid item schedule (quantities) in the<br>contract documents. Unit costs will be derived from other recent construction   |       |            |                  | 8                  | 8                 | Senio   | r Staff | Surve   | ey Crew          | Services<br>\$ 1,120.00<br>\$ 2,860.00<br>\$ 1,260.00 |                       |             |

| 045   |                                   |  |       |     | 0.1        |   |         |       |         |       |         |              |             | 1           |
|-------|-----------------------------------|--|-------|-----|------------|---|---------|-------|---------|-------|---------|--------------|-------------|-------------|
| 815   | Contract Administration           | IMEG will review Contractor submittals, and coordinate and attend a pre-con  |       |     | 24         | 8   | 6       |       |         |       |         |              |             |             |
|       |                                   | meeting with the involved parties and selected Contractor to discuss construction  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | and responsibilities of Client, Contractor, and Engineer. IMEG will issue Notice to  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | Proceed, review payment applications and process change orders. Assumes no   |       |     |            |   |         |       |         |       |         | ¢ 4,000,00   |             |             |
| 867   | Water Main & Services             | more than one change order will be processed.  |       |     | 6          |   |         |       | 1       |       |         | \$ 4,000.00  |             |             |
| 007   | Computations & Crew               | CAD Draftsman will produce calculated design points in accordance with the<br>approved plans for the Water Main alignment including: beginning and end of pipe,      |       |     | 0          |   |         |       | 1       |       |         |              |             |             |
|       | Prep                              | connections, horizontal and vertical bends, valves, tees, blow offs, air reliefs,  |       |     |            |   |         |       |         |       |         |              |             |             |
|       | Пор                               | hydrants, and the locations of the water service connection at the main. Draftsman   |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | will then compile a list of design points and prepare a survey point's exhibit. Time   |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | included for an Engineer to check the calculated points, prepare cut sheets and  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | provide Survey Crew instructions. Once stakes are placed, the Engineer will  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | review Survey Crew field notes and "as-staked" data for accuracy and, if   |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | necessary, complete cut sheet for distribution to Contractor. Cut sheets will  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | provide offset and cut/fill information for stakes.  |       |     |            |   |         |       |         |       |         | \$ 720.00    |             |             |
| 869   | Water Main & Services             | Survey crew will provide stakes for the water main alignment and appurtenances   |       |     | 6          |   | 4       |       | 1       |       | 20      |              |             |             |
|       | Construction Staking              | per the approved design plans. Assumes stakes will be needed at 25 foot intervals  |       |     |            |   |         |       |         |       |         |              |             |             |
|       | -                                 | along station, and at beginning and end of pipe, connections, horizontal or vertical   |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | bend, valves, tees, blow offs, air reliefs, hydrants, and the location of the water  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | service connections at the main. Stakes will be provided at offsets and assumes  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | that work can be completed in one visit. Crew will collect "as-staked" information   |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | for verification of stake accuracy. Assumes two blocks will be staked at a time, so  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | assumes 2 trips total.   |       |     |            |   |         |       |         |       |         | \$ 4,880.00  | \$ 200.00   |             |
| 871   | Construction Inspection           | IMEG will provide construction oversight in order to ensure Contractor is  |       |     | 200        | 36  | 12      |       |         |       |         |              |             |             |
|       | and Material Testing              | completing project in substantial compliance with the Plans and Specifications.  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | IMEG will sub consult with a local geotechnical engineering and material testing<br>firm to complete Client's Quality Assurance testing. Sub consulting fees will be |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | billed under the IMEG contract as a reimbursable expense. Assumes asphalt  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | testing on patch back will occur on this project. Inspections will be documented   |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | and included in final close-out documents for project. Assumes no more than 10   |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | weeks from start to finish for the main replacement and service connections  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | including testing. Inspections budgeted at two visits per day during the 10 week   |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | construction period. Reimbursable expense included for bacteria testing.   |       |     |            |   |         |       |         |       |         | \$ 24 640 00 | \$ 8,000.00 |             |
| 875   | Certificate of Substantial        | IMEG will process Substantial Completion form at request of Contractor. IMEG   |       |     |            | 6   | 2       |       |         |       |         | ψ 24,040.00  | φ 0,000.00  |             |
|       | Completion and Final              | will then coordinate a preliminary final walkthrough with Client; to establish date of   |       |     |            |   |         |       |         |       |         |              |             |             |
|       | Walkthrough                       | substantial completion. Upon completion of any punch list items a final  |       |     |            |   |         |       |         |       |         |              |             |             |
|       | -                                 | walkthrough with Client and Contractor will be completed for project acceptance.   |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   |  |       |     |            |   |         |       |         |       |         | \$ 940.00    |             |             |
|       |                                   | Series 800 Total   | 0     | 4   | 248        | 90  | 46      | 0     | 2       | 0     | 20      | \$ 44,180.00 | \$ 8,200.00 | \$-         |
| 900 S | eries - Final Project Docu        | mentation  |       |     |            |   | Project |       |         | _     |         | IMEG         | Direct      | Agency      |
| 011   |                                   |  | Admin | CAD | Technician | Production  | Manager | Senio | r Staff | Surve | ey Crew | Services     | Expenses    | Review Fees |
| 911   | Construction As-Builts -<br>Water | IMEG will utilize field notes and photos to prepare as-built plans for certification of<br>the water main replacement.   |       |     | 12         | 2   | 1       |       |         |       |         | \$ 1,500.00  |             |             |
| 914   | Construction                      | IMEG will assemble the construction plans, photos, testing results, submittals and   | 1     | 8   | 16         | 3   | 1       |       |         |       |         | φ 1,300.00   |             |             |
| 0.1   | Certifications -                  | a short summary report with the construction as-built plans for submittal to DEQ   |       | Ŭ   |            | , in the second s |         |       |         |       |         |              |             |             |
|       | Water(DEQ & Stage 6)              | for certification of the project. Time included for IMEG to complete the City of   |       |     |            |   |         |       |         |       |         |              |             |             |
|       | (                                 | Missoula Stage 6 Checklist submittal. It is assumed that Stage 5 submittal is not  |       |     |            |   |         |       |         |       |         |              |             |             |
|       |                                   | needed as the City will be involved through the Construction phase of this project.  |       |     |            |   |         |       |         |       |         |              |             |             |
|       | ļ                                 |  |       |     |            |   |         |       |         |       |         | \$ 2,825.00  |             |             |
|       |                                   | Series 900 Total   | 1     | 8   | 28         | 5   | 2       | 0     | 0       | 0     | 0       | \$ 4,325.00  | \$ -        | s -         |

| Project Summary   |       |                 | Technician | Production | Project<br>Manager | Senior Staff |     | Surve | ey Crew          | IMEG         | Direct      | Agency |           |
|---|-------|-----------------|------------|------------|--------------------|--------------|-----|-------|------------------|--------------|-------------|--------|-----------|
| Item No Description   | Admin | Lead<br>Drafter | El/Other   | PE/EI      | PE                 | PE           | PLS | GPS   | Total<br>Station | Services     | Expenses    |        | view Fees |
| 100 Series - Preliminary Project Assessment and Planning                                      | 0     | 12              | 0          | 12         | 8                  | 0            | 2   | 0     | 0                | \$ 3,880.00  | \$-         | \$     | -         |
| 200 Series - Field Work & Surveying   | 2     | 12              | 2          | 4          | 5                  | 0            | 2   | 48    | 0                | \$ 8,680.00  | \$ 300.00   | \$     | -         |
| 500 Series - MDEQ: Applications, Sewer Designs; Water Designs; Subdivision<br>Drainage Design | 0     | 49              | 20         | 22         | 15                 | 4            | 0   | 0     | 0                | \$ 11,675.00 | \$-         | \$     | 300.00    |
| 800 Series - Construction Administration, Inspections, and Staking                            | 0     | 4               | 248        | 90         | 46                 | 0            | 2   | 0     | 20               | \$ 44,180.00 | \$ 8,200.00 | \$     | -         |
| 900 Series - Final Project Documentation  | 1     | 8               | 28         | 5          | 2                  | 0            | 0   | 0     | 0                | \$ 4,325.00  | \$-         | \$     | -         |
| 1000 Series - 5% Additional Services - TBD By City's Project Manager                          |       |                 |            |            |                    |              |     |       |                  | \$ 3,600.00  |             |        |           |
| Total Consulting and Reimbursable to Obtain Approvals   | 3     | 85              | 298        | 133        | 76                 | 4            | 6   | 48    | 20               | \$ 76,340.00 | \$ 8,500.00 | \$     | 300.00    |
| Total Estimate including Reimbursable   |       |                 |            |            |                    |              |     |       |                  |              | \$85,140.00 |        |           |