

CS-1812 Proposed Amendment 1 Tasks

No.	Description	Amount
1.	Jefferson Streetscape Design - Proposed water improvements will include distribution and transmission water main replacement, or rehabilitation as requested by DWSD in coordination with the planning and design of a reconstruction and/or any improvement project by the Department of Public Works (DPW) the full length of East Jefferson Avenue from roughly I-375 to Alter Road. It is being understood that water and sewer utilities improvement needed and require coordination with GLWA, and DPW. The overall cost for providing the design services would be \$4,040,240 of which approximately \$2,124,525 will be reimbursed by GLWA as per the cost sharing agreement executed January 19 th , 2022.	\$4,040,240.00
2.	CityWorks integration to Permitting platform planned for FY23, integration to new permitting software will support workflows that require M&R staff to respond that are related to the permitting process.	\$66,000.00
3.	CityWorks integration to Upgraded Enquesta and Enquesta Link planned for FY23. Enquesta is currently being upgraded and the existing integration between Cityworks and Enquesta will need to be updated. The new Enquesta software also provides opportunity for additional enhanced workflows to support better customer engagement. There are several workflows within Enquesta Link that needs to integrate with Cityworks to track projects for water services. DWSD IT is expected to have Enquesta Link (formerly ServiceLink) upgraded for integration into CityWorks.	\$66,000.00
4.	AECOM Citrix to DWSD Oracle migration for hosting the Innovyze software. The software will be migrated to the DWSD Oracle environment. AECOM will support the administration of the software as DWSD gains the knowledge to support the software.	\$33,000.00
5.	Construction Phase Services for DWS-917, Riverdale Park- Budget Expenditure Memo DWSD-1572. AECOM as designer of record to provide DWSD with public outreach and engineering support services such as shop drawing reviews and response to Request for information (RFI), etc.	\$406,838.00
6.	Construction Phase Services for DWS-918, Rosedale Park- Budget Expenditure Memo DWSD-1573. AECOM as designer of record to provide DWSD with public outreach and engineering support services such as shop drawing reviews and response to Request for information (RFI), etc.	\$221,435.00
7.	Construction Phase Services for DWS-932, Riverdale and Rosedale Park- Budget Expenditure Memo DWSD-1574. AECOM as designer of record to provide DWSD with public outreach and engineering support services such as shop drawing reviews and response to Request for information (RFI), etc.	\$85,345.00
8.	Construction Phase Services for DWS-808, Far West Detroit – Budget Expenditure Memo DWS-1571. AECOM as designer of record to provide DWSD with public outreach and engineering support services such as shop drawing reviews and response to Request for information (RFI), etc.	\$239,660.00
9.	Program Administration and transitional training for condition assessment data analysis - Leadership and management of the amended CS-1812 contract to include the consistent management of CIP and PMO initiatives, for an additional 12 months, to the same levels of quality, coordination, direction, and service as	\$1,277,954.00

provided in the first 5 years of the contract. This includes Program Administration, Contract Management, QA/QC, Periodic Status Reporting, KPI tracking and reporting, Technical Deliverables, Task Budget Approval Log management, and management of transition activities as described in CS-1812 Task 1. In addition, this activity will include maintenance of deliverables and storage in BOX per DWSD Filing Index, and supporting the DWSD Lead e-Builder Administrator and the DWSD Quality Manager as needed

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| 10. | CS-1947 Contract Support and Subsequent CIP Development: AECOM will provide community outreach, design support, and data quality control support services for Contract CS-1947, and development of replacement/rehabilitation intervention resulting from condition assessment. Resulting interventions will enable subsequent design activities. | \$160,000.00 |
| 11. | Engineering assistance to produce Preliminary Engineering Reports that would utilize the condition assessment data, model outputs, and associate with the applicable treatment strategies guidelines to prepare documents for design works. | \$406,800.00 |
| 12. | CityWorks support due to Maintenance Planning Scheduler (MPS) turnover, unfilled IT position, unfilled MPS positions and ongoing organizational changes in Maintenance and Repair (M&R) that affect the workflow processes and requirements. The service includes updates to existing workflows within Cityworks to support the end users and align to changes in organization. Additional requests that require back-end programming support, such as special reporting requests that require additional programming needs. Training as required. DWSD is currently in need of hiring a Cityworks administrator, which is planned to be hired in FY 23 by IT. The Support includes Cityworks administration services. | \$150,000.00 |
| 13. | Hydraulic modelling support for water and sewer- support analysis for detailed sewershed flow monitoring and assisting DWSD staff with peak workloads for model updates. These services include participation in DWSD weekly coordination meetings, advising DWSD on water/sewer modeling enhancements, supporting DWSD in troubleshooting of hydraulic model runs, performing QA/QC of model runs produced by DWSD, advising DWSD on future flow monitoring and model calibration efforts, and assisting DWSD in coordination with stakeholders for implementation of the combined system sewer model. | \$206,000.00 |
| 14. | GIS Support for the review, conversion, validation, and incorporation of data into DWSD's enterprise GIS for existing contracts to ensure accuracy of DWSD's GIS databases; this may include, but is not limited to, data captured from various GIS datasets, CAD drawings and engineering records & associated documentation. AECOM will support DWSD in the implementation of the newly developed standard and workflow for GIS-based deliverables on new design & construction contracts and will assist with the issuing of data standards and database checkouts to contractors, performing QA/QC on GIS deliverables, and with the ingestion of updated data into the DWSD enterprise GIS environment. | \$175,00.00 |
| 15. | Updating the Risk and Resilience Assessment in compliance with the America's Water Infrastructure Act (AWIA) of 2018. | \$57,000.00 |
| 16. | Ongoing Planning and CIP Development (SOPs, metrics material and update, Team Coordination). This includes development of Budget Expenditure/Approval Memos, development of new Standard Operating Procedures, responding to unanticipated requests from Engineering and Finance, preparation of presentations and materials for DWSD Finance, the Deputy | \$163,000.00 |

Director, the BOWC, and others, attendance at general coordination meetings, and continued assistance with transition of skills from CIPMO to DWSD.

17.	Contractor/Public outreach and Stakeholder engagement. AECOM to assist Public Affairs with additional Public Relation efforts during the balance of this contract. Contractor/Public Outreach and Stakeholder Engagement.	\$160,000.00
18.	Other Direct Costs (Vehicles, Equipment). Utilization of vehicle and equipment to perform services to contract CS-1812 as-needed.	\$26,400.00
19.	Risk and Criticality Hazard Function Analysis. Engineering work to add capability to risk and criticality model to incorporate budgetary flexibility into predictive model by automatically illustrating assets that correspond to available budget range. Also investigating the opportunity to implement I/I as a factor that can be extrapolated city-wide to support sewer share allocation.	\$255,000.00
20.	Info Asset Manager Fix-it-Letter integration completion, roll-out to initial set of neighborhoods and adding customer-initiated complaint process to the automated process. Training of DWSD staff to ensure that all issues encountered have a Fix It Letter automatically generated.	\$189,000.00
21.	Provide Subject matter Experts (J. O'Dowd, C. Pawlowski, A. Gibbons). SME support help task/project specific with industry new technology, such as sewer lining technology, CCTV video improvements, and information related HDPE pipes, etc., as needed.	\$150,000.00
	Total	\$8,534,672.00
	Uncommitted Budget from Original Contract (Remaining Budget)	\$584,672.00
	Amendment No. 1 Amount (Total-Uncommitted Budget):	\$7,950,000.00