STATE OF GEORGIA
COUNTY OF DEKALB

CHANGE ORDER NO. 1
TO
CONTRACT NO. 14-902800

THIS AMENDMENT, effective as of May 1, 2017, is made by and between **DeKalb County**, a political subdivision of the State of Georgia (hereinafter referred to as the "County"), and **CH2M Hill Engineers, Inc.**, a corporation organized and existing under the laws of the State of Delaware, with offices in Fulton County, Georgia (hereinafter referred to as the "Contractor").

WITNESSETH:

WHEREAS, County and Contractor have previously entered into a certain Contract dated April 7, 2014, **(DeKalb County Contract No. 14-902800)** (hereinafter referred to as the "Agreement" or "Contract") entitled **Consent Decree Program Management Services** (hereinafter referred to as the "Project"); and,

WHEREAS, the County and Contractor desire to amend said contract to revise the scope of work to reflect modifications to the Project since the execution of the Agreement, add additional funding in the amount of Six Million Three Hundred Twenty-One Thousand Four Hundred Forty-Nine Dollars and Zero Cents ($6,321,449.00) and add twenty-five days to the Contract Time; and,

WHEREAS, the DeKalb County Governing Authority adopted and approved the terms of this Change Order No. 1 on _____; and,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged and in consideration of the mutual promises and undertakings contained herein, the parties hereto do hereby agree and consent to the following:

I. THE CONTRACT IS HEREBY AMENDED AS FOLLOWS:

A. **ARTICLE I. CONTRACT TIME, DELETE ARTICLE I. CONTRACT TIME** in its entirety, **INSERT A NEW ARTICLE I. CONTRACT TIME** as follows:

The Contractor shall commence the work under this Agreement on April 7, 2014 ("execution date"). Contractor shall fully complete the Work by April 30, 2018. The Contract Time may be extended only by Change Order approved and executed by the DeKalb County

Governing Authority or the Chief Executive Officer, if exempted from Governing Authority adoption and approval in accordance with the express terms of this Contract.

B.   ARTICLE III. PAYMENT, DELETE ARTICLE III. PAYMENT in its entirety, **INSERT A NEW ARTICLE III. PAYMENT** as follows:

As full payment for the faithful performance of this Contract, the County shall pay the Contractor the Contract Price, which is an amount not to exceed <u>Twenty-One Million One Hundred Eighty-Seven Thousand Sixty-Five Dollars and Zero Cents</u> ($21,187,065.00), unless changed by written Change Order in accordance with the terms of this Contract. The term "Change Order" includes the term "amendment" and shall mean a written order authorizing a change in the Work, and an adjustment in Contract Price to Contractor or the Contract Term, as adopted and approved by the Contractor and the DeKalb County Governing Authority, or the Chief Executive Officer, if exempted from Governing Authority adoption and approval in accordance with the express terms of this Contract. The Chief Executive Officer or his/her designee shall have the authority to approve and execute a Change Order lowering the Contract Price or increasing the Contract Price so long as the amount of each Change Order increasing the Contract Price does not exceed One Hundred Thousand Dollars ($100,000.00). Any other increase of the Contract Price shall be by Change Order adopted and approved by the DeKalb County Governing Authority and the Contractor in accordance with the terms of this Contract. Amounts paid to the Contractor for work performed from April 7, 2014 through April 30, 2017 shall comply with and not exceed Attachment A to the Contract, the Contractor's Cost Proposal, consisting of five (5) pages attached thereto and incorporated therein. Amounts paid to the Contractor for work performed from May 1, 2017 through April 30, 2018 shall comply with and not exceed Attachment A-1 to this Change Order No. 1, CDPMT Resource Loaded Projections, consisting of 4 pages. Payment is to be made no later than thirty (30) days after submittal of undisputed invoice.

Invoices must be submitted as follows:

A.   Original invoice(s) must be submitted to:

DeKalb County, Georgia
Accounting Services
1300 Commerce Drive, 3rd Floor
Decatur, Georgia 30030

B.   A copy of the invoice(s) must be submitted to:

Watershed Management

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Attention: Project Manager for Consent Decree Program Management
1580 Roadhaven Drive
Stone Mountain, Georgia 30083

C. A copy of the invoice(s) must be submitted with completed Prime Contractor LSBE (Local Small Business Enterprise) Utilization Report and LSBE Sub-Contractor Report to:
Contract Compliance Division
DeKalb County Purchasing & Contracting
1300 Commerce Drive, 2nd Floor
Decatur, Georgia 30030

The Contract Price of Twenty-One Million One Hundred Eighty-Seven Thousand Sixty-Five Dollars and Zero Cents ($21,187,065.00) includes full and final payment in the total amount of $1,913,967 for the following out of scope tasks performed during the time period of April 2014 through and including April 2017:

- Management of Inspection Staff for PASARP assessment work (2/8/2016 – 10/28/2016) - $175,775.00

- Review and Analysis of Service Requests Related to SSO reporting (3/24/2016 – 1/16/2017) - $140,531.00

- Provide Technical Services and Program Management of Design Build Gravity Collection System Projects (3/25/2016 – 4/28/2017) - $118,653

- Cityworks Implementation Phase I (4/1/2016 – 12/31/2016) - $701,445.00

- Rehab Packaging of Design Build Contracts (9/1/2016 – 4/28/2017) - $222,777.00

- Provide Inspection Services to Supplement DWM Inspection Staff (9/19/2016 – 4/28/2017) - $185,808.00

- Provide Support to DWM regarding Private I/I Program (10/1/2016 – 4/28/2017) - $37,508.00

- Additional Modeling Services to Support DWM (10/7/2016 – 4/28/2016) - $255,447.00

- Additional Cityworks Services (1/1/2017 – 4/28/2017) - $76,023.00

The Contract Price of Twenty-One Million One Hundred Eighty-Seven Thousand Sixty-Five Dollars and Zero Cents ($21,187,065.00) is full and final payment for all Consent Decree Program Management Services through and including April 2018. The Contract Price

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includes, as described above, full and final payment for out of scope tasks performed during the time period of April 2014 through and including April 2017.

No additional compensation shall be made for any other work alleged to be out of scope performed prior to May 1, 2017, the effective date of this Change Order No. 1.

C. ARTICLE IV. SCOPE OF WORK, DELETE ARTICLE IV. SCOPE OF WORK in its entirety, **INSERT A NEW ARTICLE IV. SCOPE OF WORK** as follows:

1. The Contractor shall perform the following Tasks:

    a. Task 1 – Program Development and Management

        i. Provide full-time management of the CD program, including all personnel included in the staffing plan not dedicated to Task activities.
        ii. Develop specific and measurable goals for the development and execution of the program to ensure successful accomplishments of the CD requirements and milestones. (completed before execution of CO #1)
        iii. Develop and implement a 90-day mobilization plan that identifies staffing, computer systems and other support services, early task deliverables, and other activities necessary to assure that any early CD milestones are achieved. (completed before execution of CO #1)
        iv. Develop and implement a system that tracks and reports budget, schedule and costs against progress for the program management contract tasks identified herein. (completed before execution of CO #1)
        v. Immediately begin developing a knowledge transfer plan that identifies the methods (on-the-job transfer of knowledge, informal and formal training) for transferring knowledge of the program task activities from Proposer staff to DWM staff. (completed before execution of CO #1)
        vi. Implement the knowledge transfer plan developed pursuant to Task 1, subpart v.
        vii. Schedule, plan and conduct and/or attend all Consent Decree Program Management Team (CDPMT) project status and other meetings
        viii. Meet with DWM Deputy Director for Engineering and Construction Management (ECM) for monthly progress updates on CD program efforts
        ix. Attend BOC meetings and other public meetings, regarding and related to the Consent Decree (CD), when and as requested by the DWM
        x. Coordinate LSBE partner and other subcontractor activities, including periodic principal briefings
        xi. Provide other support, review, and oversight as required, of other issues that arise and are requested by the DWM throughout the duration of the program, such as rehabilitation program management services, including additional program management support for numerous Design/Build (D/B) construction contracts (Phase 1: 60% design and guaranteed maximum price development only) for recommended sewer rehabilitation

b. Task 2 – CD Budget, Schedule and Cost

    i. Develop and implement, using commercial software, a system to comprehensively track and report budget, schedule and costs at the CD task and project level, rolled up to the program level.

    ii. Track and report all interim and final CD milestone dates, as identified within the CD document, CMOM plans, or other reports and information as may be developed in the future.

    iii. Reports shall be developed on a monthly basis, with transfer of data as necessary to the future CIP Program Management system. System features shall include but not limited to:

      1) Integrated master schedule;
      2) Baseline schedule and budget;
      3) Schedule and cost updates;
      4) Identification of schedule and cost variances;
      5) Forecasted schedule and cost thru completion;
      6) Evaluation and mitigation of schedule and cost variances;
      7) Work Breakdown Structures (WBS) and Critical Path Method (CPM);
      8) Detailed reporting features, with rollup to program level; and
      9) "Dashboard" type reporting capabilities to facilitate management reviews.

    iv. The County does not require a particular software system. The County desires a cost-effective approach, considering the cost of software, licenses, and staffing to effectively manage the system. Cost-effectiveness will be inherently identified within the Proposer's cost proposal.

    v. Update program Master Schedule on a regular, monthly basis, by reviewing work accomplished, deadlines and milestones with Task Leads, and produce final program Master Schedule update for distribution to DWM and CDPMT. Provide immediate written notice of deadlines, milestones, etc. which impact compliance with the Consent Decree.

    vi. Review all backup documents for CDPMT invoice packages on a regular, monthly basis, provide a summary report and respond to any DWM questions or inquiries.

    vii. With DWM approval, issue new Subcontractor task orders when required; administer and maintain records and timesheets for Subcontractors, and track Subcontractor spending, payment and outstanding contract balances.

c. Task 3 – CD Reporting

    i. For Annual and Semi-Annual Reports required by the CD, develop draft reports by working with CD Leads (both CDPMT and DWM), for submittal to DWM. Reports will then be finalized by DWM and submitted to EPA accordingly.

    ii. Utilize program Master Schedule , in an abbreviated form showing activities from the last six-month period and also for the next six-month period, to serve as the basis of the Semi-Annual Report, thus reducing the volume of text developed for previous Semi-Annual Reports before the Master Schedule could be utilized for this purpose.

    iii. Utilize the business intelligence (BI) software adopted for use by the DWM for development of the Annual Report Trends Analysis of SSOs.

    iv. Provide support for DWM review and work plan developments of EPA-identified complaints related to sanitary sewer overflows (SSOs).

    v. Assist in the development of the SSO trend analysis report for EPA.

d. Task 4 – CMOM Programs – Implementation of Projects

Directly manage the implementation of the following CMOM programs, associated with implementing projects within the collection system:

    i. <u>Sewer Mapping Program</u> –The Contractor shall manage the sewer mapping contracts from the beginning of the CD Program Management contract to completion of mapping contracts. (completed before execution of CO #1)

        • Update the model as required or requested by Department of Watershed Management

    ii. <u>System Wide Flow and Rainfall Monitoring Program</u> – The Contractor shall be fully responsible for managing the rainfall and flow monitoring program as necessary to assure adequate data is collected and analyzed to develop the hydraulic model of the sewer system (see below); to assess capacity availability within the sewer system; to prioritize sanitary sewers for inspection, repair, rehabilitation or replacement; and to assure full compliance with the Consent Decree. The Contractor is responsible for making changes to the flow monitoring program based on hydraulic modeling needs and System-Wide Flow and Rainfall Monitoring Program. Any contracts associated with flow monitoring will be separately procured by the County, but managed by the Contractor. The Contractor has completed development of a static hydraulic model of the sewer system. The Contractor will utilize data provided through the County's restoration of hydraulic capacity activities to plan the development of a computer-based dynamic hydraulic model.

    iii. <u>System Wide Hydraulic Modeling Program</u> – The Contractor shall be directly responsible for completing the system wide hydraulic model, using the Infoworks software (required by Consent Decree) in full compliance with the requirements and schedule contained within the Consent Decree submittal approved by EPA/EPD. (Preliminary hydraulic model was completed before execution of CO#1, Contractor shall continue to provide services associated with subparts included in Task 4iii)

        • Meet regularly with DWM modeler for the purpose of communicating updates by each party to the model and/or the information related to the model, and to discuss and resolve any other issues and questions

        • Update the hydraulic model as requested and required by DWM based on updated GIS data collected

- Conduct additional model runs under different scenarios as requested and required by DWM for particular areas of interest and as required for coordination of ongoing CIP projects

- Conduct additional model runs for the gravity collection system debottlenecking projects based on changes to the GIS

- Capacity upsizing of gravity sewer collection system pipelines as requested and required by DWM

- Identify capacity alternatives such as inflow and infiltration reduction, flow diversion basins, parallel sewers, etc. as requested and required by DWM

- Provide technical services regarding options for application of the hydraulic model for capacity requests

- Assist with the preparation of the hydraulic model presentation for EPA conducted on June 28, 2017

- Provide technical assistance services regarding hydraulic model discussions, information requests and related actives from EPA and EPD as required.

iv. PASARP Assessment Projects

- Provide project management, implementation and contract administration duties related to field activity, submittals, financials and schedules of PASARP assessment contracts, with areas defined as PASARP within the CD

- Also develop SSO Escalation and EPA-identified project limits and associated work assignments

- Track and update progress of these projects on a regular basis, and make work assignments as appropriate for additional projects that arise, through coordination with existing PASARP and/or OSARP contracts as possible

- For the PASARP Capacity Restoration projects; provide project management, implementation and contract administration related to this field activity, submittals, financials and schedules

v. OSARP Assessment Projects

- Provide project management, implementation and contract administration duties related to field activity, submittals, financials and schedules of OSARP assessment contracts for the following contracts:
  - o OSARP CCTV and Manhole Condition Assessment
  - o Capacity Restoration of OSARP Areas

vi. Assisting with Private Infiltration and Inflow Program

- Provide DWM with assessment databases that provide the smoke defect data and pictures

- Provide training on the mobile map application that is used to review the smoke assessment data

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- Assist DWM with resolving incorrect addresses for identified smoke defects

- Provide technical support for the private infiltration and inflow program as requested by DWM

vii. Rehabilitation Packaging

- Develop recommended rehabilitation projects resulting from collected PASARP and OSARP data and information, and assemble rehabilitation packages for implementation, including SSO Escalation and EPA-identified projects as appropriate, for implementation through D/B contracts

viii. Design/Build RFP Development

- Develop RFPs for provision of design/build services for:

  o Gravity sewer collection system improvements

ix. Continuing Sewer Assessment and Rehab Program –

- The Contractor shall be fully responsible for developing and implementing a program to conduct a comprehensive and thorough evaluation of the sanitary sewer system. The program should specify various equipment and techniques to detect sewer pipe defects, blockages and capacity problems. This program must be in full compliance with the requirements of the Consent Decree to address priority areas. The Contractor will perform work associated with assessing the results of the cleaning and inspection activities. The contractor will develop the scope for all sewer cleaning, manhole inspection, smoke tests, dye tests, closed circuit TV (CCTV), flow monitoring, rain monitoring, sewer rehabilitation, manhole rehabilitation and other contracts as may be required. Such contracts will be separately procured by the County, but managed by the Contractor. Approximately $300 million of undefined projects associated with this work is included within the CIP.

x. Supplemental Environmental Project –

- DWM is in the process of completing the scope for this project with the assistance from a contractor and is preparing to issue an ITB to implement the work. The Contractor is not responsible for managing this contract.

e. Task 5 – CMOM Programs – Implementation of O&M Activities

i. DWM, has and will continue to be responsible for implementing the CMOM programs associated with the operation and maintenance of the collection system, and other associated non-capital improvements. The Contractor shall provide three (3) full time equivalents (FTE) engineering staff to assist DWM with continued development and implementation of the following CMOM programs:

- Contingency and Emergency Response Plan;
- Fats, Oil and Grease Management;
- Maintenance Management System;
- Collection and Transmission Systems Training Plan;

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- Infrastructure Acquisition Program; and
- Financial Analysis Program.

(Completed before execution of CO #1. Contractor may assist the Department of Watershed Management with continued development and implementation. Any work associated performed pursuant to Task 5i shall be billed under Task 12.)

ii. Maintenance Management System (MMS) Program

- Provide services as requested and required by DWM and includes the following activities:
    - o Database management of the assessment data and media collected from the PASARP and OSARP programs
    - o Assist with the transfer of the assessment data and media files collected during the PASARP and OSARP contracts to DWM's new Computerized Maintenance Management System (CMMS) referred to as CityWorks.
    - o Develop reporting dashboards for the assessment data using Business Intelligent software

iii. Cityworks CMMS Implementation

- Phase 1 was completed in December 2016 and met or exceeded Consent Decree deadlines. This phase included the implementation of Cityworks for wastewater collection, water distribution, large water meters, and customer support. At the County's request, Phase 1 included hosting the Cityworks application in the cloud. As presently configured, Cityworks uses a copy of the County's GIS data rather than a live connection because at the time of implementation the County lacked the required infrastructure to support the required number of users.

- Phase 2 of CMMS implementation will deepen DWM's internal support of Cityworks and extend the use of Cityworks to other areas including backflow preventer inspections, FOG inspections, water meters (excluding integration with water billing software). Phase 2 also covers the transition of responsibility for the cloud hosting solution to the County, linking the County's live GIS to Cityworks (instead of a copy), additional training for County staff, additional Consent Decree KPI reports, and ongoing support. Transition to the County shall be completed ninety (90) days prior to the expiration date of the contract.

f. Task 6 – Document Management

Contractor shall procure and implement a commercial off-the-shelf (COTS) electronic document management system (EDMS) to capture all documents and records required for the CD program in a central repository for retrieval and viewing, and shall meet the specific requirements of the Consent Decree. The system shall capture all documents and records at the program, task and project level. DWM has an installed system (SharePoint) which is available to the

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Contractor, but not required to be used. Maintain Microsoft Access database for incoming and outgoing documents.

g. Task 7 – Risk Management

The Contractor has developed a formal risk management plan to identify, assess, monitor, track, respond to and mitigate risks at the CD program, task and project level. The Contractor shall directly implement the plan at the CD program and task level and manage the plan at the project level. The risk management program will continue through the life of the CD program.

h. Task 8 – Quality Control

The Contractor shall develop a formal quality control (management) plan to assure quality deliverables at the CD program, task and project level and shall directly implement the plan at the CD program and task level and manage the plan at the project level.

i. Task 9 – Real Estate Acquisition and Permitting

    i. Project design consultants are responsible for preparing all necessary information for real estate and easement acquisitions, with the actual acquisition activities being performed by the County. The flow monitoring, cleaning, inspection and rehabilitation of the sewer system for the CD program will require services in excess of the County's capacity to perform, and in many cases there will not be a design consultant associated with the activity. The Contractor will provide real estate acquisition services for the CD program including an evaluation of the current process for acquisitions and provide recommendations for process improvements.

    ii. Project design consultants are responsible for securing all necessary environmental and other associated permits for a given project. The Contractor shall develop a formal plan to:

- Identify all necessary environmental and other associated permits for the CD program;

- Develop procedures for securing all necessary environmental and other associated permits for the CD program; and

- Manage and execute the plan, except when design consultants are available to implement at the project level.

    iii. Any on-going support after execution of CO #1 shall be billed under Task 11.

j. Task 10 – Community Outreach and Public Relations

The Contractor shall develop and implement a community outreach and public relations program to educate internal and external stakeholders on the requirements, goals, schedule, costs, progress, and merits and benefits of the CD program. Contractor shall respond to internal and external stakeholder and media inquiries and requests for public information. All said responses shall be coordinated with and

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approved by DWM. (completed before execution of CO #1)

k. Task 11— Consent Decree Projects Technical Services

    i. Technical Services for CD-Related Design Build Contracts

DWM intends to provide Construction Management services through other contracts for consent decree (CD)-related D/B Construction projects. CH2M will provide technical services as requested and program management of the D/B contracts required by DWM to meet CD goals which include the following:

- Implement PASARP prioritized rehabilitation measures by June 2020
- Track and inventory ongoing and completed PASARP rehabilitation projects
- Integrate select capacity assurance upsizing projects with PASARP rehabilitation projects to maximize SSO reduction potential

As CH2M developed the technical requirements for the D/B bid packages, CH2M is uniquely qualified to provide the following technical services—based upon this specific technical knowledge—that may include but not limited to the items listed below. CH2M will provide technical services during Phase 1 (60% Design and Guaranteed Maximum Price Development) of the D/B contracts only. DWM will provide management of the D/B contracts during Phase 2 (Final design and Construction) of the D/B contracts through other contracts.

    ii. Technical Development of Needed Services

- Provide technical information for RFP document preparation
- Provide technical information in the pre-proposal meetings for the Design Build RFPs
- Prepare responses to technical questions on requests for information regarding the RFP
- Assist in review of proposals from design-build firms and partnerships

    iii. Design Support

- Support of design review and review meetings
- Assistance with technical design Issues
- Progress meetings
- Review of progressive construction estimates
- Review pay applications

l. TASK 12 — Additional Services

    i. This task is intended to provide services for work not anticipated at this time, but requested and required by DWM for needs related to CD compliance throughout the term of this contract. This could include but is not limited to services in the following areas:

- Emergency Response Services Related to CERP

  - Develop and regularly update one-page work plans for SSO Escalation and EPA-identified projects resulting from assessments previously described, through resolution.

- SSO Escalation Projects

  - Attend monthly DWM SSO meetings and provide support for development of rehabilitation project definition and implementation.

- PASARP Fieldwork Inspection

  - Provide inspection of PASARP fieldwork activities in support of CDPMT needs.

- Other Professional Services

  - Other professional services related to CD compliance and reporting not previously covered.

Contractor's services shall include all things, personnel, and materials necessary to accomplish specific projects authorized by the County.

II.   **NO ADDITIONAL MODIFICATION.** All other terms and conditions of the Contract remain unchanged and in full force and effect. The terms and conditions contained in this Change Order No. 1 shall govern over any inconsistent terms and conditions contained in the Agreement.

    IN WITNESS WHEREOF, the parties hereto have set their hands and caused their seals to be affixed hereupon in four (4) counterparts, each to be considered as an original by their authorized representatives.

[SIGNATURES ON FOLLOWING PAGE]

CH2M HILL ENGINEERS, INC.   **DEKALB COUNTY, GEORGIA**

By: _____(SEAL)   _____ **by Dir.**(SEAL)

      Signature   MICHAEL L. THURMOND

                Chief Executive Officer

_____

      Name (Typed or Printed)

_____   _____

      Title   Date

_____

      Date

ATTEST: **ATTEST:**

_____

      Signature   _____

_____   BARBARA SANDERS-NORWOOD, CCC

      Name (Typed or Printed)   Clerk of the Chief Executive Officer

                And Board of Commissioners of

_____

      Title   DeKalb County, Georgia

_____   _____

      Date   Date

NOTARY:

Subscribed and Sworn before me on this the

_____ day of _____, 20 ___.

_____

NOTARY PUBLIC

My Commission Expires:

_____

APPROVED AS TO SUBSTANCE: **APPROVED AS TO FORM:**

_____

Assist. County Attorney Signature

_____

Department Director

_____

Assist. County Attorney Name (Typed or Printed)

CERTIFICATE OF CORPORATE RESOLUTION

I, _____, certify the following:

That I am the duly elected and authorized Secretary of _____

(hereinafter referred to as the "corporation"), a corporation organized and incorporated to do

business under the laws of the State of _____;

That said corporation has, through lawful resolution of the Board of Directors of the

corporation, duly authorized and directed _____, in his official

capacity as _____ of the corporation, to enter into and execute

the following described agreement with DeKalb County, a political subdivision of the State of

Georgia:

Change Order No. 1 to Contract # 14-902800 Consent Decree Program Management

Services

That the foregoing Resolution of the Board of Directors has not been rescinded, modified,

amended, or otherwise changed in any way since the adoption thereof, and is in full force and

effect on the date hereof.

IN WITNESS WHEREOF, I have set my hand and corporate seal;

This the _____ day of _____, 20___.

_____(CORPORATE SEAL)
                                                          (Secretary)

This _____ day of _____ 20_____.

CDPMT Resource Loaded Projections

Task Name	2017 May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2018 Jan	Feb	Mar	Apr	Hours	Cost	SUB-TOTAL Continuation of Services	Additional Services	TOTAL COST
Task #01 Program Management																	$992,320
Continuation of Services - Overall Program Management																	
Jim Heydorn	176	176	168	184	160	176	160	152	168	152	176	168	2,016	$352,800	$381,600	$610,720	
EXPENSES (in $1000s)	$2.4	$2.4	$2.4	$2.4	$2.4	$2.4	$2.4	$2.4	$2.4	$2.4	$2.4	$2.4		$28,800	$381,600		
Additional Services - Rehabilitation Program Management																$610,720	
Angela Roberts	176	176	168	184	160	176	160	152	168	152	176	168	2,016	$352,800			
Rehabilitation Program Manager 1		168	184	160	176	160	152	168	152	176	168		1,664	$257,920			
Task #02 CD Budget, Schedule & Cost																	$312,480
Continuation of Services															$312,480		
Jeff Stoutamyer	176	176	168	184	160	176	160	152	168	152	176	168	2,016	$312,480	$312,480		
Task #03 CD Compliance																	$25,640
Continuation of Services															$25,640		
Gordon Garner									40	40			80	$15,200	$25,640		
Brad Kleckley										16			16	$2,480			
Russ Barton										40			40	$4,600			
Kristina Nygaard										40			40	$3,360			
Task #04 - CMOM Programs - Projects															$2,422,214	$621,564	$3,043,778
Continuation of Services - Hydraulic Modeling Program															$746,520		
Helen Lu	80	80	80	80	80	80	80	80	80	80	80	80	960	$129,600			
Xia Zhu	176	176	168	184	160	176	160	152	168	80	80	80	1,760	$202,400			
Yan Hartkemeyer		176	168	184	160	176	160	152	80	80	80	80	1,344	$181,440			
Modeler		80	80	80	80	80	80	80	80				640	$73,600			
Reggie Rowe	40	40	40	40	40	40	40	40	40				360	$63,000			
Susan Moisio	24	24	24	24	24	24	24	24	24				216	$33,480			
Nancy Schultz	40	40	40	40	40	40	40	40	40				360	$63,000			
Continuation of Services - PASARP Assessment															$727,916		
Andy Rankin	60	60	60	60	60	60	60	60					480	$64,800			
Gavin Richards	104	104	104	104	104	104	104	104					832	$69,888			
Reggie Rowe	24	24	24	24	24	24	24	24					192	$33,600			
Alex Crowell	136	136	128	144	136	136	120	120	112				1,032	$86,688			
Carl Wilcoxson	120	120	120	120	120	120	120	120	112				952	$109,480			

Task Name	2017								2018				Hours	Cost	SUB-TOTAL Continuation of Services	SUB-TOTAL Additional Services	TOTAL COST
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr					
	176	176	168	184	160	176	160	152	168	152	176	168					
Burhan Shaikh	72	72	64	80	56	60	44	36					484	$47,432			
Brad Kleckley	68	68	60	76	52	68	52	44					488	$75,640			
Courtney Kennedy	16	16	16	16	16	16	16	16					128	$17,280			
Sarah Brannon	24	68	68	68	48	48	48	48					420	$41,160			
Betty Wood	120	120	120	100	100	80	80	80					800	$67,200			
Senior Advisors	8	8	8	8	8	8	8	8					64	$11,200			
Production	24	24	24	24	24	24	24	24					192	$16,128			
Carl Easton	60	60	60	60	60	40	40	40					420	$56,700			
Kim Richardson	60	60	60	60	60	60	60	60					480	$30,720			
Additional Services - Assisting with Private I/t Program																$306,040	
Courtney Kennedy	16	16	16	16	8								72	$9,720			
Sarah Brannon	20	20	20	20	20	20	20	20	20	20	20	20	240	$23,520			
Kim Richardson	60	60	60	60	60	60	60	60	40	40	40	40	640	$40,960			
Engineer	176	176	168	184	160	176	160	152	168	152	176	168	2,016	$231,840			
Additional Services - Rehab Packaging													-			$315,524	
Andy Rankin	32	32	32	32	32	32	32	32	32	32	32		352	$47,520			
Gavin Richards	16	16	16	16	16	16	16	16	16	16	16		176	$14,784			
Brad Kleckley	16	16	16	16	16	16	16	16	16	16	16		176	$27,280			
Burhan Shaikh	16	16	16	16	16	16	16	16	16	16	16		176	$17,248			
Carl Easton	16	16	16	16	16	16	16	16	16	16	16		176	$23,760			
Derek Buffardi	176	176	168	184	160	176	160	152	168	152	176		1,848	$155,232			
Rick Daniel	20	20	20	20	20	20	20	20	20	20	20		220	$29,700			
Continuation of Services - OSARP															$947,778		
Rick Daniel	156	156	148	164	140	156	140	132	148	132	156	168	1,796	$242,460			
Andy Rankin	44	44	36	52	28	44	28	20	96	80	104	110	686	$92,610			
Gavin Richards	32	32	32	32	32	32	32	32	152	136	156	168	868	$72,912			
Reggie Rowe	14	14	14	14	14	14	14	14	40	40	40	40	272	$47,600			
Alex Crowell	40	40	40	40	40	40	40	40	168	152	176	168	984	$82,656			
Carl Wilcoxson	40	40	40	40	40	40	40	40	160	152	176	168	976	$112,240			
Burhan Shaikh	20	20	20	20	20	20	20	20	20	64	80	80	404	$39,592			
Brad Kleckley	28	28	28	28	28	28	28	28	40	40	40	40	384	$59,520			
Courtney Kennedy	4	4	4	4	4	4	4	4	20	20	20	20	112	$15,120			
Sarah Brannon	20	20	20	20	40	40	40	40	40	40	40	40	400	$39,200			
Betty Wood	40	40	32	54	40	40	40	40	40	40	40	40	486	$40,824			
Senior Advisors	8	8	8	8	8	8	8	8	8	8	8	8	96	$16,800			

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CDPMT Resource Loaded Projections

Task Name	2017 May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2018 Jan	Feb	Mar	Apr	Hours	Cost	SUB-TOTAL Continuation of Services	Additional Services	TOTAL COST
	176	176	168	184	160	176	160	152	168	152	176	168					
Production	8	8	8	8	8	8	8	8	8	8	8	8	96	$8,064			
Carl Easton	20	20	20	20	20	20	20	20	40	40	40	40	380	$51,300			
Kim Richardson	20	20	20	20	20	20	20	20	80	80	80	80	420	$26,880			
													-				
Task #05 - CMOM Programs - O&M															$87,416	$298,255	**$385,671**
Continuation of Services - MMS													-		$87,416		
Burhan Shaikh	68	68	68	68	68	80	80	80	80	72	80	80	892	$87,416			
													-				
Additional Services - Cityworks																$298,255	
Peter von Zweck		12	8	4	4	4	4	4	4	4	4	4	56	$9,800			
Russ Barton		80	40	40	40	40	40	16	16	20	20	12	364	$41,860			
Cityworks Specialist	120	120	120	120	120	120	120	120	100	40	16	16	1,012	$99,176			
Ed Roworth		8	48	48	48	48	24	16					240	$42,000			
Jake Peck			20	60	80	80	80	16					320	$36,800			
Gerry Boquinn							20	40	40				100	$9,800			
Beckie Haney		20	20	40	60	60	60	40					300	$29,400			
EXPENSES (in $1000s)	$2	$2	$2	$2	$2	$2	$2	$2	$2	$2	$2	$2		$29,419			
Task #06 Document Management															$169,872		**$169,872**
Continuation of Services															$169,872		
Lillian Arniella	8	8	8	8	8	8	8	8	8	8	8	8	96	$8,064			
Lorean Brinson	176	176	168	184	160	176	160	152	84	76	88	84	1,684	$141,456			
Althea Gryb	8	8	8	8	8	8	8	8	8	8	8	8	96	$8,064			
Jakub Wozniak	16	16	16	16	16	16	16	16	16	16	16	16	192	$12,288			
Task #11 Consent Decree Technical Services																$966,488	**$966,488**
Additional Services																$966,488	
Andy Rankin	40	40	40	40	40	40	40	40	40	40	40	40	480	$64,800			
Brad Kleckley	64	64	64	64	64	64	64	64	80	80	80	80	832	$128,960			
Betty Wood	16	16	16	30	20	56	40	32	128	112	136	128	730	$61,320			
Lorean Brinson									84	76	88	84	332	$27,888			
Carl Easton	80	80	72	88	64	80	64	56	112	96	120	128	1,040	$140,400			
CD Design Build Administrator 1		176	168	184	160	176	160	152	168	152	176	168	1,840	$285,200			
CD Design Build Administrator 2			168	184	160	176	152	168	152	176	168		1,664	$257,920			
													-				

CDPMT Resource Loaded Projections

Task Name	2017							2018					Hours	Cost	SUB-TOTAL		TOTAL COST
	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr			Continuation of Services	Additional Services	
	176	176	168	184	160	176	160	152	168	152	176	168					
Task #12 Additional Services													-			$425,200	$425,200
Additional Services - Component 1																$250,480	
Senior Engineer		40	80	184	160	176	160	152	168	152	176	168	1,616	$250,480			
Additional Services - Component 2																$174,720	
Inspector 1	176	176	168	184	160	176							1,040	$87,360			
Inspector 2	176	176	168	184	160	176							1,040	$87,360			
Total Hours	3670	4426	4674	5154	4682	5010	4350	4006	4040	3600	3868	3430	50,910	$6,321,449	$3,399,222	$2,922,227	$6,321,449

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