

NOTICE OF MEETING

DES MOINES WASTEWATER RECLAMATION AUTHORITY TECHNICAL COMMITTEE

Des Moines Wastewater Reclamation Facility
3000 Vandalia Road
Des Moines, Iowa

September 12, 2023
1:30 p.m.

AGENDA

- ITEM 1: Call to Order
- ITEM 2: Roll Call
- ITEM 3: Minutes for the May 9, 2023 meeting - Approval
- ITEM 4: WRF Site Security and Access Improvements – Recommendation
- ITEM 5: Supplemental Agreement No. 1 to the Professional Services Agreement for the WRF Fuel System Improvements with CDM Smith, Inc., in an Amount Not to Exceed \$65,020.00 - Recommendation
- ITEM 6: Industrial Waste Ordinance – Information
- ITEM 7: Contract Status Update – Information
- ITEM 8: Other Business
- ITEM 9: Adjourn

DES MOINES WASTEWATER RECLAMATION AUTHORITY
TECHNICAL COMMITTEE

Des Moines Wastewater Reclamation Facility
3000 Vandalia Road
Des Moines, Iowa

May 9, 2023
1:30 p.m.

DRAFT MINUTES

ITEM 1: Call to Order

Shane Kinsey, Committee Chair, called the meeting to order at 1:30 p.m.

ITEM 2: Roll Call

Members in Attendance

Dan Scott, Altoona
Don Clark, Ankeny*
Jeff May, Clive
Rita Connor, Cumming*
Eugene Schmitt, Des Moines
Matt Ahrens, Grimes*
Shane Kinsey, Johnston
Wayne Schwartz, Norwalk*
Russ Paul, Pleasant Hill
Bret VandeLune, Polk County
John Larson, Urbandale
Tim Royer, Waukee
Brian Hemesath, West Des Moines
Larry Hare, WRF

Others in Attendance

Scott Hutchens, Operating Contractor
Lisa Etnyre, Operating Contractor
Melissa Schlickbernd, Operating Contractor
Patrick Brown, Operating Contractor
Dillon Hain, Operating Contractor
Roxane Vaughan, Operating Contractor
Ben Warren, Operating Contractor
Charlie Stevens, Operating Contractor
Brian Bakke, HDR

* Participated in the meeting remotely due to the fact that it was impractical or impossible to participate in the meeting in person due to proximity to meeting location

ITEM 3: Minutes for the April 11, 2023 meeting - Approval

Brian Hemesath made a motion for recommendation. Jeff May seconded the motion. All in favor. The motion carried.

ITEM 4: WRF Fuel System Improvements – Contract Recommendation

Scott Hutchens stated that the WRF Fuel System Improvements is a project identified several years ago when the WRF's fuel island was found to be nearing the end of its useful life. The improvement includes removal, replacement, and modifications to the existing below grade diesel and gasoline fuel storage and dispensing system, control and communications, sitework, and other incidental items all in accordance with the plans and contract documents. The engineer's estimate for this project is \$1,138,000.00 and bids were received on May 2, 2023. The apparent low bid received was from Unified Contracting Services (Des Moines) in the amount of \$1,050,208.00 which was 7.71% below the engineer's estimate.

Brian Hemesath made a motion for recommendation. Tim Royer seconded that motion. All in favor. The motion carried.

ITEM 5: Industrial Waste Ordinance – Information

Larry Hare noted 32 inspections were completed in Des Moines and West Des Moines and he noted one exception was received and approved in April.

ITEM 6: Contract Status Update – Information

Scott Hutchens reviewed a couple of the contracts and then asked that everybody review the sheets attached to see the current projects that the WRA is currently working on.

ITEM 7: Other Business

Scott Hutchens stated that both the WRA Conveyance Facility Plan Update and the WRA Treatment Facility Plan Update will be going to the Finance Committee to be reviewed at their meeting on June 1, 2023. The WRA Board wanted their own legal representation, so they sent RFPs out to local law firms, performed interviews, and Legal RFP Review Subcommittee made a recommendation on May 2nd.

ITEM 8: Adjourn

Bret VandeLune made a motion to adjourn. Tim Royer seconded that motion. Meeting adjourned at 1:44 p.m.

MEMORANDUM

September 12, 2023

To: WRA Technical Committee

From: Operating Contractor Staff

Re: WRF Site Security and Access Improvements – Project Recommendation

The WRF Site Security and Access Improvements is a project identified in the WRA's CIP which includes the replacement of the existing site entrance to the WRF. The entrance is located on a curve off Vandalia Road and crosses railroad tracks prior to entering the plant. On an average weekday approximately 90 hauled waste trucks enter and exit the WRF and there are several safety, security, and logistical issues associated with the existing site entrance/exit. To resolve the numerous problems with the existing entrance/exit, a new entrance location has been identified between the Administration Building and the Laboratory Building. Additionally, there are site security issues to address within the plant that are included in the project, and the relocation of a Des Moines Water Works (DMWW) 12-inch water main included as part of a 28E Agreement between the WRA and DMWW. The improvement includes phased construction of a new plant entrance with parking lot, site roadways, stormwater improvements, new entrance guard house, and demolition of the existing site entrance. This project also includes construction of two truck waste sampling buildings, remodel and expansion of the existing plant main control room, installation of a new comprehensive security system in new and existing buildings, HVAC, plumbing, electrical improvements, and all necessary materials, equipment, and labor in accordance with the contract documents and [plans](#). The improvements are located at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa.

The engineer's estimate for this project is \$9,672,000.00 and bids for the project are anticipated to be taken on Tuesday, October 31, 2023. The bids will then be presented to the WRA Technical Committee at the November 14, 2023 meeting for review and recommendation to the WRA Board for consideration at the November 21, 2023 meeting. The final completion date for the improvement is July 31, 2025 and the project will be funded through the WRF Site Security and Access Improvements project code (WR121).

MEMORANDUM

September 12, 2023

To: WRA Technical Committee

From: Operating Contractor Staff

Re: Supplemental Agreement No. 1 to the Professional Services Agreement for the WRF Fuel System Improvements with CDM Smith, Inc., in an Amount Not to Exceed \$65,020.00 - Recommendation

On April 19, 2022 a professional services agreement with CDM Smith, Inc. was approved by the WRA Board for design and bidding services associated with the WRF Fuel System Improvements in an amount not to exceed \$134,975.00. At this time there is a need for Construction Phase Services because the project has been bid and a contract was awarded on May 16, 2023. Supplemental Agreement No. 1 will amend the professional services agreement to provide Construction Phase Services for the WRF Fuel System Improvements project. The project includes removal, replacement, and modifications to the existing below grade diesel and gasoline fuel storage and dispensing system, control and communications, sitework, and other incidental item all in accordance with the [plans](#) and contract documents.

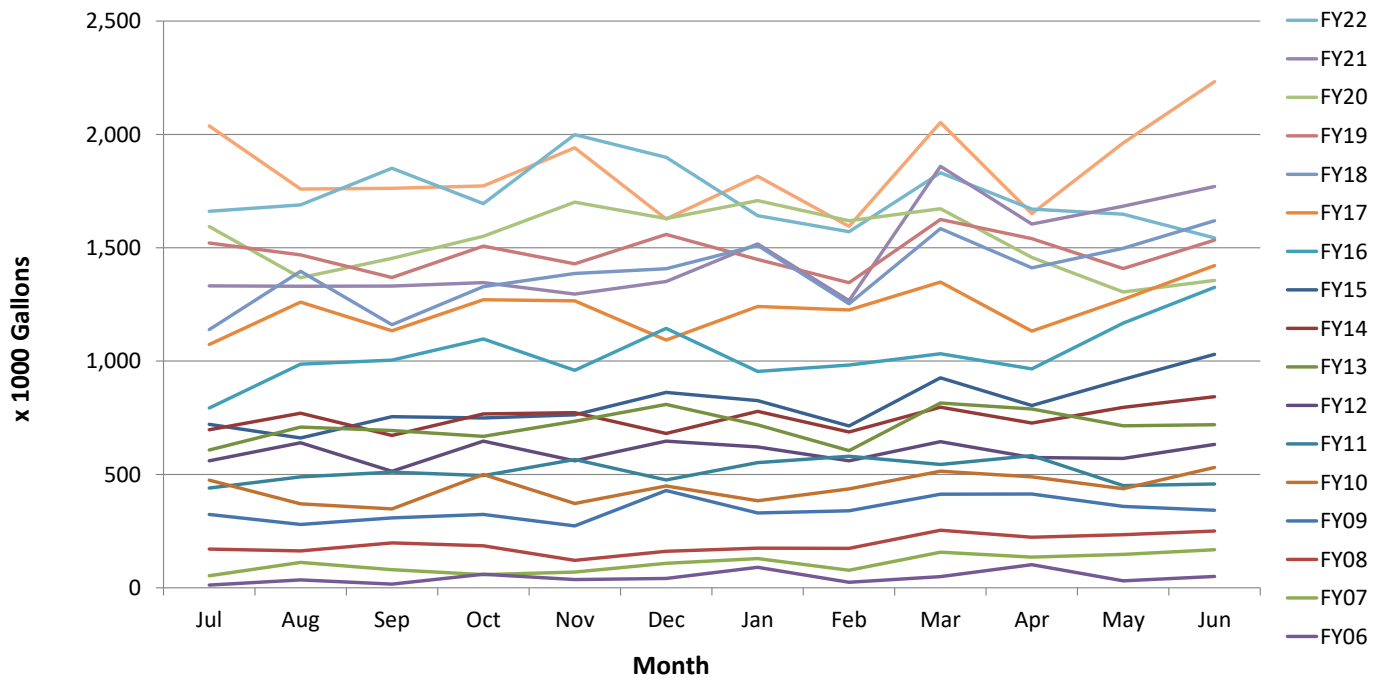
The Operating Contractor's Staff recommends approval of Supplemental Agreement No. 1 with CDM Smith, Inc. for Construction Phase services not to exceed \$65,020.00. Supplement No. 1 is being presented to the WRA Technical Committee for review and recommendation to the WRA Board for approval at the September 19, 2023 meeting.

Progress Report

| Month | Annual Inspections | Follow-Up Inspections | Area of Concentration |
|--------------|--------------------|-----------------------|--|
| January-22 | 32 | 4 | DSM (E 14th), Johnston, WDM |
| February-22 | 35 | 3 | DSM, WDM (JC mall) |
| March-22 | 28 | 6 | Ankeny, DSM, Urbandale, WDM |
| April-22 | 20 | 15 | Urbandale, WDM |
| May-22 | 21 | 0 | Urbandale, Johnston |
| June-22 | 25 | 10 | DSM, Urbandale, Waukee |
| July-22 | 22 | 8 | Johnston, Urbandale, Waukee |
| August-22 | 49 | 4 | Urbandale, Waukee, WDM |
| September-22 | 30 | 6 | Des Moines, Urbandale, WDM |
| October-22 | 10 | 1 | P. Hill, Johnston, Urbandale |
| November-22 | 40 | 5 | Altoona, DSM, P. Hill, Urbandale, Waukee |
| December-22 | 31 | 14 | Altoona, DSM, Urb. schools, Joh. schools |
| January-23 | 27 | 11 | DSM, Waukee |
| February-23 | 22 | 3 | Ankeny, DSM, Grimes complaint |
| March-23 | 21 | 0 | West Des Moines |
| April-23 | 32 | 0 | DSM, West Des Moines |
| May-23 | 1 | 12 | Waukee, West Des Moines |
| June-23 | 0 | 1 | -- |
| July-23 | 0 | 0 | -- |
| August-23 | 9 | 1 | Ankeny |

| August Exceptions | | | |
|--|-------------------|--------------|----------------|
| Food Service Establishment | Type of Appeal | Municipality | Approval (Y/N) |
| Sunshine Nutrition, 2604 Beaver Avenue | Economic Hardship | Des Moines | Y |
| | | | |
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| | | | |

Restaurant FOG Hauled to WRF Digesters (Fiscal Year)



SEPTEMBER 2023 - WRA CONTRACT STATUS SHEET - CONSTRUCTION CONTRACTS

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|--|----------------|--|-----------------------|--------------------------------|
| WRA Sugar Creek Sponsored Project Improvements - Phase 1 | (WR117) | SRF FUNDED | General Contractor | RW Excavating, LC |
| The improvement includes restoration and stabilization of approximately 3,300 feet of streambank including earthwork, stone rip-rap, seeding, erosion control, storm sewer adjustments, surface restoration, and necessary materials, equipment, labor, miscellaneous association work, and cleanup; all in accordance with the contract document. The project is located along Sugar Creek between Booneville Road and Stagecoach Road in West Des Moines, Iowa | | | Contract Amount | \$1,973,926.00 |
| | | | Change Orders to Date | \$0.00 |
| | | | Completed to Date | \$1,821,123.41 |
| | | | Percent Complete | 92.3% |
| WRF Clarifier Improvements - Phase 1 | (WR115) | SRF FUNDED | General Contractor | Williams Brothers Construction |
| The improvement includes phased removal and replacement of six primary clarifier mechanisms and rehabilitation of Primary Sludge Pump Buildings No. 20 and 21, including new pumps, piping, HVAC, electrical, controls and associated work. Phased repairs to the existing primary influent channel and removal and replacement of HVAC equipment and primary scum pump controls for Primary Scum Pump Station Buildings No. 26, 27 and 28 are also included. All areas will include HVAC, plumbing and electrical improvements, including all necessary materials, equipment, labor, miscellaneous associated work, and cleanup; all in accordance with the contract documents. | | | Contract Amount | \$9,330,000.00 |
| | | | Change Orders to Date | \$280,091.00 |
| | | | Completed to Date | \$9,301,401.76 |
| | | | Percent Complete | 96.8% |
| WRF Flood Improvements | (WR105) | FLOOD MITIGATION GRANT FUNDED | General Contractor | Williams Brothers Construction |
| The improvement includes phased removal and replacement of existing plant electrical switchgear, construction of a floodwall and new electrical gear around existing Building No. 05, and construction of new Building No. 73. Major modifications around Building No. 05 include utility relocations, electrical transformer replacement and installation of a floodwall with vehicle access gates around the building. New Building No. 73 includes a new pre-engineered metal building to house plant electrical switchgear, natural gas-powered engine electrical generators and new parking lots. The project also includes HVAC, plumbing and electrical improvements, including all necessary materials, equipment, labor, miscellaneous associated work. | | | Contract Amount | \$15,980,000.00 |
| | | | Change Orders to Date | \$1,354,801.00 |
| | | | Completed to Date | \$16,729,070.26 |
| | | | Percent Complete | 96.5% |
| WRF Primary Sludge Piping Replacement | (WR110) | SMALL CIP FUNDED | General Contractor | Shank Constructors, Inc. |
| The improvement includes replacement and modifications of existing primary sludge piping, sludge grinders, and concrete hydro-demolition and repair for pump wetwell wall pipes, and other incidental items all in accordance with the contract documents. | | | Contract Amount | \$674,900.00 |
| | | | Change Orders to Date | \$44,386.09 |
| | | | Completed to Date | \$719,286.09 |
| | | | Percent Complete | 100.0% |
| WRF Aeration Basin Sensor Improvements | (WR068) | SMALL CIP FUNDED | General Contractor | Baker Mechanical, Inc. |
| The improvement includes replacement and modifications of existing aeration sensors, controls and associated supports, equipment, conduit and wiring, and other incidental items; all in accordance with the contract documents, including Plan File No. 630-183/240, located at the aeration basins and Buildings 41, 42 and 43 at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa | | | Contract Amount | \$1,530,000.00 |
| | | | Change Orders to Date | \$24,625.00 |
| | | | Completed to Date | \$1,507,986.25 |
| | | | Percent Complete | 97.0% |
| WRA Southwest Equalization Basin Mechanical Repairs | (WR116) | SMALL CIP FUNDED | General Contractor | Woodruff Construction, LLC |
| The improvement includes furnishing and installing all labor, materials, and equipment for the construction of repairs at the SW Equalization (EQ) Basin site, including but not limited to: drain pump and piping demolition and replacement, clean and repair EQ sluice gates, replace EQ hoist, removal and replacement of sluice gate at Special Structure 2, demolition of sluice gates at Special Structure 5, removal and replacement of well pump, miscellaneous site piping and repairs, rerouting of 16 inch W3 piping from the Control Building to the EQ Tank, removal and replacement of odor control media, electrical rewiring to Valve Room equipment and well pump, radio telemetry from SW Diversion Control Building to Special Structure 2, Valve Room lighting, together with related subsidiary and incidental work, including cleanup, all in accordance with the contract documents and located at 5641 Winona Avenue, City of Des Moines, Polk County, Iowa | | | Contract Amount | \$1,057,300.00 |
| | | | Change Orders to Date | \$18,566.42 |
| | | | Completed to Date | \$999,855.92 |
| | | | Percent Complete | 92.9% |
| WRA Southern Tier Interceptor, Phase 10, Segment 24 | (WR107) | SRF FUNDED | General Contractor | Rognes Corporation |
| This improvement includes construction of sanitary sewer, including all labor, materials and equipment necessary for excavation and backfill of approximately 6,987 feet of 42-inch sanitary sewer with open cut, manholes, steel sheeting, erosion control and miscellaneous associated work, including cleanup; all in accordance with the contract documents. The project is located partially in the City of Des Moines, Warren County, Iowa and partially in unincorporated Warren County, north of the 1200 block of E. Border Street in Des Moines and south of the 10900 block of Beardsley Street in Warren County | | | Contract Amount | \$3,231,000.00 |
| | | | Change Orders to Date | \$108,000.00 |
| | | | Completed to Date | \$3,212,412.05 |
| | | | Percent Complete | 96.2% |
| WRA Ingersoll Run Outlet, Phase 28, Segment 3 | (WR088) | SRF FUNDED | General Contractor | Minger Construction Companies |
| This improvement includes construction of sanitary sewer and paving, including all labor, materials and equipment necessary for excavation and backfill of approximately 1,154 feet of 60-inch through 66-inch sanitary sewer in open cut construction, 999 feet of 60-inch and 66-inch sanitary sewer in trenchless construction, manholes, paving removal and replacement, traffic control, erosion control and miscellaneous associated work, including cleanup; all in accordance with the contract documents. The project is located along Ingersoll Avenue from 18th Street to 19th Street, 19th Street from Ingersoll Avenue to High Street, and High Street from 19th Street to 22nd Street in Des Moines, Iowa | | | Contract Amount | \$4,388,521.00 |
| | | | Change Orders to Date | \$141,742.00 |
| | | | Completed to Date | \$4,186,318.55 |
| | | | Percent Complete | 92.4% |
| WRA Birdland Pump Station Improvements | (WR122) | SRF FUNDED | General Contractor | Williams Brothers Construction |
| The improvement includes all labor, materials and equipment for the construction of improvements for the Birdland Pump Station, including site work, yard piping, demolition, excavation, cast-in-place concrete, structure and building construction, equipment installation, process piping, mechanical, electrical and controls, rehabilitation and miscellaneous associated work, including cleanup. The project is ocated near Pennsylvania Avenue and North Union Street, Des Moines, Iowa | | | Contract Amount | \$19,480,000.00 |
| | | | Change Orders to Date | \$21,411.00 |
| | | | Completed to Date | \$7,785,575.18 |
| | | | Percent Complete | 39.9% |
| WRF Digester Repairs and Improvemnets | (WR074) | PARTIAL INSURANCE FUNDED AND PARTIAL SMALL CIP FUNDED | General Contractor | Construction Leaders Company |
| The improvement includes hydro-demolition and replacement of a portion of the concrete lid for anaerobic digester No. 3, pre-cast concrete panel and joint repairs and cleaning to the exterior of anaerobic digesters No. 1-6, concrete crack repairs to the lid of anaerobic digesters No. 2-6, installation of new water level sensors and associated work for anaerobic digesters No. 2-6, and all other associated work and incidental items. The work is located at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa | | | Contract Amount | \$1,280,350.00 |
| | | | Change Orders to Date | \$0.00 |
| | | | Completed to Date | \$713,691.50 |
| | | | Percent Complete | 55.7% |
| WRF Blended Sludge Tank Mixer Replacement | (WR110) | SMALL CIP FUNDED | General Contractor | Woodruff Construction, Inc. |
| The improvement includes hydro-demolition and replacement of a portion of the concrete lid for anaerobic digester No. 3, pre-cast concrete panel and joint repairs and cleaning to the exterior of anaerobic digesters No. 1-6, concrete crack repairs to the lid of anaerobic digesters No. 2-6, installation of new water level sensors and associated work for anaerobic digesters No. 2-6, and all other associated work and incidental items. The work is located at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa | | | Contract Amount | \$1,727,300.00 |
| | | | Change Orders to Date | \$0.00 |
| | | | Completed to Date | \$104,024.18 |
| | | | Percent Complete | 6.0% |
| WRA Ingersoll Run Outlet, Phase 28, Segment 1 | (WR088) | SRF FUNDED | General Contractor | Rognes Corporation |
| This improvement includes construction of sanitary sewer and paving, including all labor, materials and equipment necessary for excavation and backfill of approximately 5,150 feet of 60-inch sanitary sewer in open cut, 985 feet of 42-inch, 54-inch and 60-inch sanitary sewer in trenchless construction, manholes, paving removal and replacement, traffic control, erosion control, cleanup, and miscellaneous associated work; all in accordance with the contract documents, including Plan File No. 642-033/128 located generally along Martin Luther King Jr. Parkway from S.W. 2nd Street to S.W. 16th Street in Des Moines, Iowa | | | Contract Amount | \$17,804,480.00 |
| | | | Change Orders to Date | \$0.00 |
| | | | Completed to Date | \$11,681,930.95 |
| | | | Percent Complete | 65.6% |

SEPTEMBER 2023 - WRA CONTRACT STATUS SHEET - CONSTRUCTION CONTRACTS

| | | |
|---|---|--|
| WRF Belt Filter Press Improvements The improvement includes refurbishment of three existing belt filter presses, removal and replacement of existing water pressure booster pumps, interior piping replacement and modifications, and associated work and incidental items; all in accordance with the contract documents located in Building 70 at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa | (WR136) SMALL CIP FUNDED | General Contractor Shank Constructors |
| | | Contract Amount \$1,991,800.00 Change Orders to Date \$0.00 Completed to Date \$69,556.00 Percent Complete 3.5% |
| WRF Building 05 Electrical Room HVAC Improvements The improvement includes removal and replacement of existing HVAC equipment, controls, and associated work and incidental items; all in accordance with the contract documents located in Building 05 at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa | (WR118) SMALL CIP FUNDED | General Contractor Air-Con Mechanical Corporation |
| | | Contract Amount \$293,345.00 Change Orders to Date \$0.00 Completed to Date \$0.00 Percent Complete 0.0% |
| WRF Clarifier Improvements - Phase 2 The improvement includes phased removal and replacement of twelve (12) secondary clarifier mechanisms, installation of clarifier launder and effluent channel covers, and removal and replacement of flow control gates at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa | (WR115) SRF FUNDED | General Contractor Goodwin Bros. Construction Co. |
| | | Contract Amount \$29,100,000.00 Change Orders to Date \$0.00 Completed to Date \$867,693.22 Percent Complete 3.0% |
| WRF Fuel System Improvements The improvement includes phased removal and replacement of twelve (12) secondary clarifier mechanisms, installation of clarifier launder and effluent channel covers, and removal and replacement of flow control gates at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa | (WR106) SMALL CIP FUNDED | General Contractor Unified Contracting Services, Inc. |
| | | Contract Amount \$1,050,208.00 Change Orders to Date \$0.00 Completed to Date \$44,744.16 Percent Complete 4.3% |

SEPTEMBER 2023 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

| | | | | |
|--|----------------|------------------------------|--|---------------------|
| WRA Ingersoll Run Outlet Sewer | (WR088) | Consultant | | Veenstra & Kimm |
| | | Original Agreement | Design Tasks | \$ 724,064.00 |
| | | Original Agreement | Right-of-Way Tasks | \$ 84,860.00 |
| | | Supplemental Agreement No. 1 | Additional Design and Construction Phase Services | \$ 2,113,711.00 |
| | | | Completed to Date | \$ 1,398,392.81 |
| | | | Percent Complete | 47.8% |
| WRF Phosphorus Recovery Facility | (WR112) | Consultant | | HDR Engineering |
| | | Original Agreement | Study and Design Tasks | \$ 1,684,245.00 |
| | | Supplemental Agreement No. 1 | Aeration Evaluation Tasks | \$ 66,800.00 |
| | | Supplemental Agreement No. 2 | Confidentiality Terms | \$ - |
| | | Supplemental Agreement No. 3 | Additional Design Tasks | \$ 914,600.00 |
| | | | Completed to Date | \$ 2,608,039.17 |
| | | | Percent Complete | 97.8% |
| WRF Clarifier Improvements | (WR115) | Consultant | | HDR Engineering |
| | | Original Agreement | Design Tasks | \$ 585,500.00 |
| | | Supplemental Agreement No. 1 | Additional Design Tasks | \$ 76,695.00 |
| | | Supplemental Agreement No. 2 | Additional Design, Bidding, and Construction Tasks | \$ 562,000.00 |
| | | Supplemental Agreement No. 3 | Additional Design, Bidding, and Construction Tasks | \$ 484,880.00 |
| | | | Completed to Date | \$ 1,352,193.07 |
| | | | Percent Complete | 79.1% |
| WRA Sugar Creek Sponsored Project Improvements - Phase 1 | (WR117) | Consultant | | Snyder & Associates |
| | | Original Agreement | Design, ROW, Bidding, and Construction Tasks | \$ 249,900.00 |
| | | Supplemental Agreement No. 1 | Additional Design and Construction Services | \$ 89,091.00 |
| | | | Completed to Date | \$ 338,065.14 |
| | | | Percent Complete | 99.7% |
| WRA Fourmile Creek Streambank Stabilization Sponsored Project | (WR109) | Consultant | | Snyder & Associates |
| | | Original Agreement | Design, ROW, Bidding, and Construction Tasks | \$ 220,950.00 |
| | | Supplemental Agreement No. 1 | Additional Design and Construction Services | \$ 395,400.00 |
| | | Supplemental Agreement No. 2 | Additional Design Services | \$ 40,400.00 |
| | | | Completed to Date | \$ 591,721.23 |
| | | | Percent Complete | 90.1% |
| WRA Birdland Pump Station Improvements | (WR122) | Consultant | | HR Green Inc. |
| | | Original Agreement | Investigation and Conceptual Design | \$ 175,000.00 |
| | | Supplemental Agreement No. 1 | Design and Bidding Services | \$ 826,300.00 |
| | | Supplemental Agreement No. 2 | Construction Services | \$ 1,222,000.00 |
| | | | Completed to Date | \$ 1,770,459.06 |
| | | | Percent Complete | 79.6% |
| WRF Site Access and Security Improvements | (WR121) | Consultant | | HDR Engineering |
| | | Original Agreement | Design | \$ 504,650.00 |
| | | Supplemental Agreement No. 1 | Additional Design and Bidding Services | \$ 326,940.00 |
| | | Supplemental Agreement No. 2 | Additional Design Services for Water Main | \$ 42,595.00 |
| | | | Completed to Date | \$ 831,588.36 |
| | | | Percent Complete | 95.1% |
| WRF Flood Improvements | (WR105) | Consultant | | HDR Engineering |
| | | Original Agreement | Alternatives Development | \$ 212,354.00 |
| | | Supplemental Agreement No. 1 | Design Services | \$ 776,700.00 |
| | | Supplemental Agreement No. 2 | Additional Design Services | \$ 99,947.00 |
| | | Supplemental Agreement No. 3 | Bidding and Construction Services | \$ 1,089,362.00 |
| | | Supplemental Agreement No. 4 | Additional Construction Services | \$ 516,000.00 |
| | | | Completed to Date | \$ 2,642,072.76 |
| | | | Percent Complete | 98.1% |

SEPTEMBER 2023 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

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|---|------------------------------|---|----|---------------------|
| WRA Southern Tier Interceptor, Phase 10, Segment 24 | (WR107) | Consultant | | Veenstra & Kimm |
| | Original Agreement | Design, Right-of-Way, and Construction Services | \$ | 247,000.00 |
| | | Completed to Date | \$ | 241,721.84 |
| | | Percent Complete | | 97.9% |
| WRF Clarifier Phase 1 Improvements - Special Inspection Services | (WR115) | Consultant | | Terracon |
| | Original Agreement | Special Inspections | \$ | 20,000.00 |
| | | Completed to Date | \$ | 18,152.25 |
| | | Percent Complete | | 90.8% |
| WRF Flood Improvements - Special Inspection Services | (WR105) | Consultant | | Terracon |
| | Original Agreement | Special Inspections | \$ | 65,000.00 |
| | Supplemental Agreement No. 1 | Additional Special Inspection | \$ | 30,000.00 |
| | Supplemental Agreement No. 2 | Additional Special Inspection | \$ | 30,000.00 |
| | Supplemental Agreement No. 3 | Additional Special Inspection | \$ | 30,000.00 |
| | | Completed to Date | \$ | 140,563.25 |
| | | Percent Complete | | 90.7% |
| WRF Digester Repairs and Improvements | (WR074) | Consultant | | HDR Engineering |
| | Original Agreement | Structural Evaluation | \$ | 24,071.00 |
| | Supplemental Agreement No. 1 | Design and Bidding Services | \$ | 106,706.00 |
| | Supplemental Agreement No. 2 | Construction Services | \$ | 136,814.00 |
| | | Completed to Date | \$ | 178,761.03 |
| | | Percent Complete | | 66.8% |
| WRF Air Permitting Assistance Fiscal Year 2021-2022 | (WR069) | Consultant | | Trinity Consultants |
| | Original Agreement | Air Permitting Assistance | \$ | 75,000.00 |
| | | Completed to Date | \$ | 53,440.02 |
| | | Percent Complete | | 71.3% |
| WRF Engineering Assistance Fiscal Year 2021-2022 | (WR116) | Consultant | | HR Green |
| | Original Agreement | Multi-Disipline Engineering Assistance | \$ | 95,000.00 |
| | | Completed to Date | \$ | 74,522.38 |
| | | Percent Complete | | 78.4% |
| WRF Blended Sludge Mixer Improvements | (WR110) | Consultant | | HR Green |
| | Original Agreement | Design and Bidding Services | \$ | 77,715.00 |
| | Supplemental Agreement No. 1 | Additional Design Services | \$ | 22,200.00 |
| | Supplemental Agreement No. 2 | Construction Phase Services | \$ | 153,875.00 |
| | | Completed to Date | \$ | 157,867.46 |
| | | Percent Complete | | 62.2% |
| WRF Aeration Basin Sensor Improvements | (WR068) | Consultant | | HR Green |
| | Original Agreement | Design and Bidding Services | \$ | 78,000.00 |
| | Supplemental Agreement No. 1 | Construction Phase Services | \$ | 115,650.00 |
| | | Completed to Date | \$ | 184,979.12 |
| | | Percent Complete | | 95.5% |
| WRA Conveyance Facility Plan Update - 2024 | (WR069) | Consultant | | Veenstra & Kimm |
| | Original Agreement | Facility Plan Study | \$ | 411,000.00 |
| | | Completed to Date | \$ | 401,562.57 |
| | | Percent Complete | | 97.7% |
| WRA Sewer Lining - Phase 2 | (WR113) | Consultant | | Snyder & Associates |
| | Original Agreement | Design Tasks | \$ | 124,224.00 |
| | Supplemental Agreement No. 1 | Construction Phase Services | \$ | 307,200.00 |
| | | Completed to Date | \$ | 312,728.53 |
| | | Percent Complete | | 72.5% |

SEPTEMBER 2023 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

| | | | | |
|---|------------------------------|---|----|---------------------|
| WRA Southwest Equalization Basin Mechanical Repairs | (WR116) | Consultant | | HR Green, Inc. |
| | Original Agreement | Design Tasks | \$ | 87,300.00 |
| | Supplemental Agreement No. 1 | Construction Phase Services | \$ | 72,200.00 |
| | | Completed to Date | \$ | 159,447.34 |
| | | Percent Complete | | 100.0% |
| WRA Sugar Creek Sponsored Project Improvements - Phase 2 | (WR117) | Consultant | | Snyder & Associates |
| | Original Agreement | Design Tasks | \$ | 580,300.00 |
| | | Completed to Date | \$ | 398,606.16 |
| | | Percent Complete | | 68.7% |
| WRA Renewable Natural Gas Pipeline Assistance | (WR102) | Consultant | | Black & Veatch |
| | Original Agreement | Pipeline Assistance | \$ | 50,000.00 |
| | | Completed to Date | \$ | 4,516.25 |
| | | Percent Complete | | 9.0% |
| WRF Building 02 Variable Frequency Drive and HVAC Study | (WR091) | Consultant | | HDR Engineering |
| | Original Agreement | Study | \$ | 31,096.00 |
| | | Additional Design, Bidding, and Construction Services | \$ | 36,081.00 |
| | | Completed to Date | \$ | 33,982.45 |
| | | Percent Complete | | 50.6% |
| WRF Effluent Pumping Improvements | (WR124) | Consultant | | Black & Veatch |
| | Original Agreement | Design & Bidding Services | \$ | 1,279,901.00 |
| | | Additional Design Services | \$ | 85,800.00 |
| | | Completed to Date | \$ | 1,198,294.22 |
| | | Percent Complete | | 87.7% |
| WRA Conveyance Engineering Assistance 2022 | (WR116) | Consultant | | Snyder & Associates |
| | Original Agreement | Conveyance Engineering Assistance | \$ | 95,000.00 |
| | | Completed to Date | \$ | 55,689.78 |
| | | Percent Complete | | 58.6% |
| WRF Building 05 Electrical Room HVAC Improvements | (WR116) | Consultant | | HR Green |
| | Original Agreement | Multi-Disipline Engineering Assistance | \$ | 35,600.00 |
| | | Completed to Date | \$ | 32,854.04 |
| | | Percent Complete | | 92.3% |
| WRA Materials Testing Services - Ingersoll Run | (WR116) | Consultant | | Team Services |
| | Original Agreement | Materials Testing Services | \$ | 74,789.00 |
| | | Completed to Date | \$ | 18,038.25 |
| | | Percent Complete | | 24.1% |
| WRA Treatment Facility Plan Update - 2024 | (WR069) | Consultant | | HDR Engineering |
| | Original Agreement | Facility Plan Study | \$ | 504,900.00 |
| | | Completed to Date | \$ | 454,942.73 |
| | | Percent Complete | | 90.1% |
| WRA Materials Testing Services - SW EQ Mechanical Repairs | (WR116) | Consultant | | Terracon |
| | Original Agreement | Materials Testing | \$ | 15,000.00 |
| | | Completed to Date | \$ | - |
| | | Percent Complete | | 0.0% |
| WRA Birdland Pump Station Improvements - Special Inspections | (WR122) | Consultant | | Terracon |
| | Original Agreement | Materials Testing | \$ | 99,840.00 |
| | | Completed to Date | \$ | 30,474.25 |
| | | Percent Complete | | 30.5% |

SEPTEMBER 2023 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

| | | | | |
|--|--------------------|-------------------------------------|----|-----------------------|
| WRF Fuel System Improvements | (WR106) | Consultant | | CDM Smith |
| | Original Agreement | Design and Bidding Services | \$ | 134,975.00 |
| | | Completed to Date | \$ | 134,955.50 |
| | | Percent Complete | | 100.0% |
| WRF Building 12 Transformer and Switchgear | (WR131) | Consultant | | HDR Engineering, Inc. |
| | Original Agreement | Study, Design, and Bidding Services | \$ | 191,918.00 |
| | | Completed to Date | \$ | 93,875.04 |
| | | Percent Complete | | 48.9% |
| WRA Southern Tier Interceptor, Phase 10, Segment 23 | (WR127) | Consultant | | Veenstra & Kimm, Inc. |
| | Original Agreement | Design and Right-of-way Services | \$ | 227,292.00 |
| | | Additional Design Phase Services | \$ | 89,508.00 |
| | | Completed to Date | \$ | 166,790.11 |
| | | Percent Complete | | 52.6% |
| WRF Building 70 and 75 Transformer Improvements | (WR131) | Consultant | | HDR Engineering, Inc. |
| | Original Agreement | Study, Design, and Bidding Services | \$ | 168,838.00 |
| | | Completed to Date | \$ | 65,744.31 |
| | | Percent Complete | | 38.9% |
| WRA Southern Tier, Phase 10, Segment 24 - Special Inspection Services | (WR107) | Consultant | | Terracon |
| | Original Agreement | Special Inspection Services | \$ | 20,000.00 |
| | | Completed to Date | \$ | 14,777.75 |
| | | Percent Complete | | 73.9% |
| WRA Ingersoll Run Outlet Sewer - Vibration Monitoring Services | (WR088) | Consultant | | Terracon |
| | Original Agreement | Vibration Monitoring Services | \$ | 90,000.00 |
| | | Completed to Date | \$ | 19,260.75 |
| | | Percent Complete | | 21.4% |
| WRF Blended Sludge Tank Mixer - Special Inspection Services | (WR110) | Consultant | | Terracon |
| | Original Agreement | Special Inspection Services | \$ | 8,000.00 |
| | | Completed to Date | \$ | - |
| | | Percent Complete | | 0.0% |
| WRF Digester Repairs and Improvements - Special Inspection Services | (WR074) | Consultant | | Terracon |
| | Original Agreement | Special Inspection Services | \$ | 10,000.00 |
| | | Completed to Date | \$ | - |
| | | Percent Complete | | 0.0% |
| WRF Utilities Mapping 2023 Update | (WR069) | Consultant | | HR Green |
| | Original Agreement | Utility Mapping | \$ | 90,000.00 |
| | | Completed to Date | \$ | 70,401.64 |
| | | Percent Complete | | 78.2% |
| WRA General Facility Planning Services - FY 23/24 | (WR069) | Consultant | | Veenstra & Kimm |
| | Original Agreement | Design and Bidding Services | \$ | 95,000.00 |
| | | Completed to Date | \$ | 43,072.39 |
| | | Percent Complete | | 45.3% |
| WRF Renewable Natural Gas Feed Compressor Analysis | (WR102) | Consultant | | AVS Engineering LLC |
| | Original Agreement | Design and Bidding Services | \$ | 32,000.00 |
| | | Completed to Date | \$ | - |
| | | Percent Complete | | 0.0% |

SEPTEMBER 2023 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

| | | | | |
|---|--------------------|-----------------------------------|----|---------------------------|
| WRA Ingersoll Run Outlet, Phase 28, Segment 1 Archaeology Services | (WR088) | Consultant | | Wapsi Valley Archaeology |
| | Original Agreement | Archaeology Services | \$ | 2,901,147.44 |
| | | Completed to Date | \$ | 1,158,725.21 |
| | | Percent Complete | | 39.9% |
| WRA Joint & Common Trunk Sewer Improvements | (WR135) | Consultant | | Snyder & Associates |
| | Original Agreement | Design Phase Services | \$ | 2,476,713.30 |
| | | Completed to Date | \$ | 267,417.38 |
| | | Percent Complete | | 10.8% |
| WRF Waste Activated Sludge Thickening Improvements | (WR137) | Consultant | | HR Green |
| | Original Agreement | Design and Bidding Phase Services | \$ | 252,600.00 |
| | | Completed to Date | \$ | 9,595.50 |
| | | Percent Complete | | 3.8% |
| WRA Flow Meter Improvements - 2023 | (WR093) | Consultant | | Snyder & Associates, Inc. |
| | Original Agreement | Design and Bidding Phase Services | \$ | 113,300.00 |
| | | Completed to Date | \$ | 10,378.33 |
| | | Percent Complete | | 9.2% |
| WRF Building 75 Boilers and Heat Loop Improvements | (WR133) | Consultant | | HR Green |
| | Original Agreement | Design and Bidding Phase Services | \$ | 77,000.00 |
| | | Completed to Date | \$ | 38,989.68 |
| | | Percent Complete | | 50.6% |