

NOTICE OF MEETING

DES MOINES WASTEWATER RECLAMATION AUTHORITY TECHNICAL COMMITTEE

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

June 14, 2022
1:30 p.m.

AGENDA

- ITEM 1: Call to Order
- ITEM 2: Roll Call
- ITEM 3: Minutes for the May 10, 2022 meeting - Approval
- ITEM 4: WRF Digester Repairs and Improvements – Recommendation
- ITEM 5: WRF Blended Sludge Tank Mixer Replacement - Recommendation
- ITEM 6: Professional Services Agreement for the WRF Building 12 Transformer and Switchgear Improvements with HDR Engineering, Inc., in an Amount Not to Exceed \$191,918.00 - Recommendation
- ITEM 7: Supplemental Agreement No. 4 to the Professional Services Agreement for the WRF Flood Improvements with HDR Engineering, Inc., in an Amount Not to Exceed \$516,000.00 – Recommendation
- ITEM 8: Industrial Waste Ordinance – Information
- ITEM 9: Contract Status Update – Information
- ITEM 10: Other Business
- ITEM 11: Adjourn

DES MOINES WASTEWATER RECLAMATION AUTHORITY
TECHNICAL COMMITTEE

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

May 10, 2022
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

Roger McFarland, Ankeny
John Horton, Bondurant*
Jeff May, Clive
Eugene Schmitt, Des Moines
Shane Kinsey, Johnston
John Larson, Urbandale
Tim Royer, Waukee
Brian Hemesath, West Des Moines
Larry Hare, WRF

Others in Attendance

Scott Hutchens, Operating Contractor
James Beck, Operating Contractor
Melissa Schlickbernd, Operating Contractor
Lisa Etnyre, Operating Contractor
Paul Ebert, Operating Contractor
AJ Montefusco, Operating Contractor
Roxane Vaughan, Operating Contractor
Ben Warren, Operating Contractor
Bob Veenstra, Veenstra & Kimm
Joe Frankl, HR Green

* Participated in the meeting via telephone 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 12, 2022 meeting – Approval

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

ITEM 4: WRA Ingersoll Run Outlet Sewer, Phase 28, Segment 1 – Recommendation

Scott Hutchens noted that bids were received on May 10, 2022 for the sewer project that was identified in the WRA Facility Plan Update – 2012 which is one of the segments of sewer necessary to eliminate a combined sewer overflow location at 22nd and High Street in Des Moines. The low bid received was from S.J. Louis Construction, Inc. (Rockville, MN) in the amount of \$19,499,000.00 which was approximately 51.68% over the engineer's estimate.

After some discussion of the bids received Brian Hemesath made a motion to reject all bids and look at piecing the project out into smaller sections for future bids. Jeff May seconded that motion. All in favor. The motion carried.

ITEM 5: Supplemental Agreement No. 2 to the Professional Services Agreement for the WRA Birdland Pump Station Improvements with HR Green, Inc., in an Amount Not to Exceed \$1,222,000.00 – Recommendation

James Beck stated that in November 2019 a professional services agreement with HR Green was approved by the WRA Board for preliminary investigation and conceptual design services associated with the WRA Birdland Pump Station Improvements. At this point, there is a need for construction phase services due to the fact that the project has been bid and a construction contract was awarded to Williams Brothers Construction. The construction phase engineering fee translates to approximately 6.3% (\$19,480.00) of the construction contract.

Brian Hemesath made a motion to approve. Larry Hare seconded that motion. All in favor. The motion carried.

ITEM 6: Supplemental Agreement No. 1 to the Professional Services Agreement for the WRA Sewer Lining – Phase 2 with Snyder & Associates, Inc., in an Amount Not to Exceed \$302,700.00 – Recommendation

James Beck stated that in July 2021 a professional services agreement with Snyder & Associates was approved by the WRA Board for design and bidding phase services associated with the WRA Sewer Lining – Phase 2 project. At this point, there is a need for construction phase services due to the fact that the project has been bid and a construction contract was awarded to Ace Pipe Cleaning, Inc. The construction phase engineering fee translates to approximately 7.6% of the construction contract and includes construction administration, construction observation services, and construction survey through final project completion.

John Larson made a motion to approve. Tim Royer seconded that motion. All in favor. The motion carried.

ITEM 7: Supplemental Agreement No. 1 to the Professional Services Agreement for the WRA SW EQ Basin Mechanical Repairs with HR Green, Inc., in an Amount Not to Exceed \$72,200.00 – Recommendation

James Beck stated that in July 2021 a professional services agreement with HR Green was approved by the WRA Director for design and bidding services associated with the WRA SW EQ Basin Mechanical Repairs. At this point, that is a need for construction phases services due to the fact that the project has been bid and a

ITEM 3

construction contract has been awarded to Woodruff Construction. The construction phase engineering fee translates to approximately 6.8% of the construction contract and includes construction administration and construction observation services through final project completion.

Tim Royer made a motion to approve. Eugene Schmitt seconded that motion. All in favor. The motion carried.

ITEM 8: WRA Industrial Pretreatment Rates and Ordinance Changes – Recommendation

Scott Hutchens stated that an email with the 2022 Industrial Wastewater Surcharge Rate Study and related ordinance changes impacting Divisions 1-6 of the Industrial Wastewater and Commercial Wastewater Ordinance has been emailed to all of the city managers and mayors in our communities for them to present at their board meetings. Scott also stated that they are planning to pass this ordinance with an October 1, 2022 effective date but it will be contingent upon all of the communities accepting and passing the ordinance.

Jeff May made a motion to approve. Brian Hemesath seconded that motion. All in favor. The motion carried.

ITEM 9: Industrial Waste Ordinance – Information

Larry Hare noted 35 inspections were completed in West Des Moines and Urbandale, and he noted one exception was received and approved in April

ITEM 10: Contract Status Update – Information

James Beck noted that there have not been any major updates in this month's report.

ITEM 11: Other Business

None

ITEM 12: Adjourn

Jeff May made a motion to adjourn. Brian Hemesath seconded that motion. Meeting adjourned at 2:26 p.m.

MEMORANDUM

June 14, 2022

To: WRA Technical Committee

From: Operating Contractor Staff

Re: WRF Digester Repairs and Improvements – Project Recommendation

In March 2019 the WRA experienced an overflow event of Digester No. 3 where the digester was fed sludge all night without discharging. The digester experienced an overflowing event in which the hydraulic level inside of the digester was higher than the digester was designed for which caused damage to the digester's structural and sealing systems. After the event the digester was hydraulically tested with water to the elevation necessary to provide full functionality of the digester and the digester visually leaked from the exterior. The solids were then removed from Digester No. 3 through a separate contract so that the tank could be safely entered and inspected by HDR Engineering, Inc. The [evaluation](#) determined that the waterstop and joint liner at the intersection between the tank lid and wall had been compromised and would require replacement in order to regain full functionality of the tank.

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 in accordance with the [plans](#) and contract documents. The project is located at the Wastewater Reclamation Facility in Des Moines, Iowa.

The engineer's estimate for the project is \$1,410,000.00 and bids for the project are anticipated to be taken on Tuesday, August 2, 2022. The bids will then be presented to the WRA Technical Committee at the August 9, 2022 meeting for review and recommendation to the WRA Board for consideration at the August 16, 2022 meeting. The final completion date for the improvement is not later than July 31, 2023, and the project will be funded through project code WR074 (WRF Digester Improvements) and an insurance claim with ICAP has been submitted to pay for the repairs necessary to return the tank to its full functionality.

MEMORANDUM

June 14, 2022

To: WRA Technical Committee

From: Operating Contractor Staff

Re: WRF Blended Sludge Tank Mixer Replacement – Project Recommendation

The improvement includes replacement and modifications of the existing blended sludge wet well mixers, controls and associated supports, equipment, conduit and wiring, expansion of the existing electrical room to an adjacent room within Building 75 including installation of electrical gear and associated components, HVAC modifications, and other incidental items all in accordance with the [plans](#) and contract documents. The project is located at the Wastewater Reclamation Facility in Des Moines, Iowa.

The engineer's estimate for the project is \$1,147,800.00 and bids for the project are anticipated to be taken on Tuesday, August 2, 2022. The bids will then be presented to the WRA Technical Committee at the August 9, 2022 meeting for review and recommendation to the WRA Board for consideration at the August 16, 2022 meeting. The final completion date for the improvement is not later than September 15, 2023, and the project will be funded through project code WR110 (WRA Small CIP).

MEMORANDUM

June 14, 2022

To: WRA Technical Committee

From: Operating Contractor Staff

Re: Professional Services Agreement for Study, Design, and Bidding Services for the WRF Building 12 Transformer and Switchgear Improvements with HDR Engineering, Inc., in an Amount Not to Exceed \$191,918.00 – Recommendation

An agreement for professional services has been negotiated with HDR Engineering, Inc. for Study, Design, and Bidding Phase Services associated with the WRF Building 12 Transformer and Switchgear Improvements in an hourly not to exceed amount of \$191,918.00.

The existing exterior electrical switchgear located north of Building 12 at the WRF has reached the end of its useful service life and requires replacement. The scope of services for the WRF Building 12 Transformer and Switchgear Improvements includes a study component which will review available electrical, site, and structure information for site selection for a replacement switchgear structure. The study will consider potential phasing required to construct a new switchgear and will consider the cost implications of a factory-built power distribution center or a new precast custom building for the electrical equipment. The scope of services also includes preliminary design, final design services, including developing contract documents, and bidding phase services.

The Operating Contractor's Staff recommends approval the Professional Services Agreement with HDR Engineering, Inc. in an amount not to exceed \$191,918.00.

MEMORANDUM

June 14, 2022

To: WRA Technical Committee

From: Operating Contractor Staff

Re: Supplemental Agreement No. 4 to the Professional Services Agreement for the WRF Flood Improvements with HDR Engineering, Inc. in and Amount not to Exceed \$516,000.00 - Recommendation

On March 16, 2016 a professional services agreement with HDR Engineering, Inc. was approved by the WRA Board for Alternatives Evaluation services associated with the WRF Flood Improvements in an amount not to exceed \$212,354.00. The Scope of Services included site reconnaissance for alternatives development, topographic and locate surveys, subsurface investigations, analysis in support of alternative evaluations, and providing a final alternatives report with opinion of probable construction costs and recommendations.

On July 18, 2017 Supplemental Agreement No. 1 to the Professional Services Agreement with HDR Engineering, Inc. was approved by the WRA Board for Design Phase services associated with the WRF Flood Improvements in an amount not to exceed \$776,700.00. The Scope of Services included final design for the flood protection improvements identified during the evaluation of alternatives including installation of a flood wall around the Preliminary Treatment Building (Building 05), replacing and raising the electrical transformers that power equipment in Building 05 to a flood protected elevation, installation of a new electrical switch gear station (Structure 06) that provides power for the treatment plant, and a new flood hardened standby power building to provide generators for emergency power for critical services at the WRF.

On February 19, 2019 Supplemental Agreement No. 2 to the Professional Services Agreement with HDR Engineering, Inc. was approved by the WRA Board for Additional Design Phase services associated with the WRF Flood Improvements in an amount not to exceed \$99,947.00.

On December 17, 2019 Supplemental Agreement No. 3 to the Professional Services Agreement with HDR Engineering, Inc. was approved by the WRA Board. Supplement No. 3 provided bidding phase services and construction phase services for the project in an amount not to exceed \$1,089,362.00 and was estimated based upon the estimated construction period of eighteen months.

The original scope and fee prepared in Supplemental No. 3 assumed that the Resident Project Representative (RPR) services would be 80% of full time during the project, but early in the construction of the project it became evident that having a full time RPR on-site throughout the project was of value to the WRA due to higher than anticipated number of issues and concerns to address with the Contractor. In addition, there were two out of

scope items that have developed in the time since Supplemental Agreement No. 3 was developed. The first is the re-bidding of the project in early 2020. The WRA Board rejected all bids received in February 2020 and Staff and HDR worked to develop new contract documents for the award of a contract in July 2020. This impact utilized approximately \$41,957.88 of the fee included in Supplemental No. 3. The second out of scope item was offsite paint inspection for the Pre-Engineered Metal Building (PEMB). The onsite RPR discovered that the paint thickness on the provided building was not what was specified and subsequently the contractor had to ship the PEMB off-site to be repainted and observed and inspected by the RPR to ensure the coating was being applied correctly. This impact utilized approximately \$19,635.18 of the fee included in Supplemental No. 3.

Supplemental Agreement No. 4 includes additional office-based construction phase services and field-based construction phase services for the remaining anticipated duration of the project. The contractual final completion date for the contract is September 9, 2022 (Change Order No. 3 granted an extension from April 1, 2022 to September 9, 2022) but the most recent construction schedule provided by the contractor shows a final completed date of March 8, 2023. The contract provides liquidated damages in the amount of \$1,000 per calendar day.

The Operating Contractor's Staff recommends approval of Supplemental Agreement No. 4 with HDR Engineering, Inc. for an additional amount not to exceed \$516,000.00. Supplement No. 4 is being presented to the WRA Technical Committee for review and recommendation to the WRA Board for approval at the June 21, 2022 meeting.

JUNE 2022 - WRA CONTRACT STATUS SHEET - CONSTRUCTION CONTRACTS

<p>WRF Grit Removal Improvements (WR111)</p> <p>The improvement includes infrastructure modifications to the existing grit removal system, including phased demolition of the existing aerated grit removal tanks, modifications to existing buildings No. 12 and No. 14 and construction of new building No. 10. The major modifications in buildings 12 and 14 include removal and replacement of existing grit washing and handling equipment, pipe work and blower installation. The new building 10 work includes installation of a primary influent bypass channel, stacked tray grit removal system, new grit pump room, electrical room and grit conveyance piping, site work, and utility relocation. All areas will include HVAC, plumbing and electrical improvements, including all necessary materials, equipment, labor, miscellaneous associated work, and cleanup located at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa</p>	<p>General Contractor Dean Snyder Construction</p> <p>Contract Amount \$12,515,000.00</p> <p>Change Orders to Date \$931,684.61</p> <p>Completed to Date \$12,723,941.18</p> <p>Percent Complete 94.6%</p>
<p>WRA Sugar Creek Sponsored Project Improvements - Phase 1 (WR117)</p> <p>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</p>	<p>General Contractor RW Excavating, LC</p> <p>Contract Amount \$1,973,926.00</p> <p>Change Orders to Date \$0.00</p> <p>Completed to Date \$1,755,501.55</p> <p>Percent Complete 88.9%</p>
<p>WRF Clarifier Improvements - Phase 1 (WR118)</p> <p>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.</p>	<p>General Contractor Williams Brothers Construction</p> <p>Contract Amount \$9,330,000.00</p> <p>Change Orders to Date \$298,420.00</p> <p>Completed to Date \$6,620,879.09</p> <p>Percent Complete 68.8%</p>
<p>WRF Flood Improvements (WR105)</p> <p>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.</p>	<p>General Contractor Williams Brothers Construction</p> <p>Contract Amount \$15,980,000.00</p> <p>Change Orders to Date \$984,319.00</p> <p>Completed to Date \$9,991,342.03</p> <p>Percent Complete 58.9%</p>
<p>WRF Digester Heat Exchanger Improvements (WR070)</p> <p>The improvement includes removal and replacement of four digester sludge heat exchangers, sludge piping, hot water piping, valves, instruments, and other incidental items in Buildings 80-1, 80-2, and 80-3; all in accordance with the contract documents.</p>	<p>General Contractor AJ Allen Mechanical Contractors</p> <p>Contract Amount \$855,958.00</p> <p>Change Orders to Date \$8,602.14</p> <p>Completed to Date \$838,623.34</p> <p>Percent Complete 97.0%</p>
<p>WRF Primary Sludge Piping Replacement (WR110)</p> <p>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.</p>	<p>General Contractor Shank Constructors, Inc.</p> <p>Contract Amount \$674,900.00</p> <p>Change Orders to Date \$40,611.00</p> <p>Completed to Date \$441,202.00</p> <p>Percent Complete 61.7%</p>
<p>WRF Aeration Basin Sensor Improvements (WR068)</p> <p>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</p>	<p>General Contractor Baker Mechanical, Inc.</p> <p>Contract Amount \$1,530,000.00</p> <p>Change Orders to Date \$0.00</p> <p>Completed to Date \$389,746.00</p> <p>Percent Complete 25.5%</p>
<p>WRA Southwest Equalization Basin Mechanical Repairs (WR116)</p> <p>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</p>	<p>General Contractor Woodruff Construction, LLC</p> <p>Contract Amount \$1,057,300.00</p> <p>Change Orders to Date \$0.00</p> <p>Completed to Date \$25,876.69</p> <p>Percent Complete 2.4%</p>
<p>WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107)</p> <p>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</p>	<p>General Contractor Rognes Corporation</p> <p>Contract Amount \$3,231,000.00</p> <p>Change Orders to Date \$0.00</p> <p>Completed to Date \$42,574.27</p> <p>Percent Complete 1.3%</p>
<p>WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088)</p> <p>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</p>	<p>General Contractor Minger Construction Companies</p> <p>Contract Amount \$4,388,521.00</p> <p>Change Orders to Date \$0.00</p> <p>Completed to Date \$0.00</p> <p>Percent Complete 0.0%</p>
<p>WRA Birdland Pump Station Improvements (WR122)</p> <p>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</p>	<p>General Contractor Williams Brothers Construction</p> <p>Contract Amount \$19,480,000.00</p> <p>Change Orders to Date \$0.00</p> <p>Completed to Date \$0.00</p> <p>Percent Complete 0.0%</p>

JUNE 2022 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

WRF Grit Removal Improvements	(WR111)	Consultant		Fox Engineering
		Original Agreement	Evaluation Tasks	\$ 249,000.00
		Supplemental Agreement No. 1	Design Tasks	\$ 890,000.00
		Supplemental Agreement No. 2	Bidding and Construction Tasks	\$ 1,081,053.00
		Supplemental Agreement No. 3	Additional Construction Tasks	\$ 213,600.00
			Completed to Date	\$ 2,389,327.61
			Percent Complete	98.2%
WRF Grit Removal - Special Inspection Services	(WR111)	Consultant		Team Services
		Original Agreement	Special Inspection Services	\$ 16,875.02
		Supplemental Agreement No. 1	Additional Special Inspection Services	\$ 10,000.00
			Completed to Date	\$ 17,149.43
			Percent Complete	63.8%
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	\$ 931,510.51
			Percent Complete	31.9%
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	\$ 2,175,618.86
			Percent Complete	81.6%
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	\$ 1,105,220.41
			Percent Complete	64.7%
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	\$ 555,392.85
			Percent Complete	84.6%
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	\$ 1,001,278.56
			Percent Complete	45.0%
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
			Completed to Date	\$ 744,486.13
			Percent Complete	89.5%

JUNE 2022 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

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
			Completed to Date	\$ 2,154,793.79
			Percent Complete	98.9%
WRA Flow Monitoring System Evaluation	(WR091)	Consultant		Veenstra & Kimm
		Original Agreement	Study	\$ 25,506.00
			Completed to Date	\$ 23,799.99
			Percent Complete	93.3%
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	\$ 136,136.54
			Percent Complete	55.1%
WRF Clarifier Phase 1 Improvements - Special Inspection Services	(WR115)	Consultant		Terracon
		Original Agreement	Special Inspections	\$ 20,000.00
			Completed to Date	\$ 7,823.25
			Percent Complete	39.1%
WRF Flood Improvements - Special Inspection Services	(WR105)	Consultant		Terracon
		Original Agreement	Special Inspections	\$ 95,000.00
		Supplemental Agreement No. 1	Additional Special Inspection	\$ 30,000.00
			Completed to Date	\$ 112,252.75
			Percent Complete	89.8%
WRF Digester No. 3 Structural Evaluation	(WR074)	Consultant		HDR Engineering
		Original Agreement	Structural Evaluation	\$ 24,071.00
		Supplemental Agreement No. 1	Design and Bidding Services	\$ 106,706.00
			Completed to Date	\$ 63,241.16
			Percent Complete	48.4%
WRF Air Permitting Assistance Fiscal Year 2021-2022	(WR069)	Consultant		Trinity Consultants
		Original Agreement	Air Permitting Assistance	\$ 75,000.00
			Completed to Date	\$ 44,847.52
			Percent Complete	59.8%
WRF Engineering Assistance Fiscal Year 2021-2022	(WR116)	Consultant		HR Green
		Original Agreement	Multi-Disipline Engineering Assistance	\$ 95,000.00
			Completed to Date	\$ 57,794.63
			Percent Complete	60.8%
WRA Industrial Rate Study 2020	(WR091)	Consultant		Black & Veatch
		Original Agreement	Industrial Rate Study	\$ 95,810.00
			Completed to Date	\$ 83,658.81
			Percent Complete	87.3%
WRF Building 05 Raw Pump Study	(WR091)	Consultant		HDR Engineering
		Original Agreement	Main Pump Study	\$ 69,715.00
			Completed to Date	\$ 50,886.29
			Percent Complete	73.0%
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
			Completed to Date	\$ 77,459.27
			Percent Complete	77.5%

JUNE 2022 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

WRA General Facility Planning Services	(WR069)	Consultant		Veenstra & Kimm
	Original Agreement	Design and Bidding Services	\$	90,000.00
		Completed to Date	\$	62,280.68
		Percent Complete		69.2%
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	\$	80,606.47
		Percent Complete		41.6%
WRA Conveyance Facility Plan Update - 2024	(WR069)	Consultant		Veenstra & Kimm
	Original Agreement	Facility Plan Study	\$	411,000.00
		Completed to Date	\$	262,503.05
		Percent Complete		63.9%
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	\$	113,294.28
		Percent Complete		26.3%
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	\$	82,926.98
		Percent Complete		52.0%
WRA Sugar Creek Sponsored Project Improvements - Phase 2	(WR117)	Consultant		Snyder & Associates
	Original Agreement	Design Tasks	\$	580,300.00
		Completed to Date	\$	232,739.71
		Percent Complete		40.1%
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
		Completed to Date	\$	17,375.56
		Percent Complete		55.9%
WRF Solar Power Feasibility Study	(WR124)	Consultant		HDR Engineering
	Original Agreement	Design & Bidding Services	\$	31,236.00
		Completed to Date	\$	12,432.50
		Percent Complete		39.8%
WRF Effluent Pumping Improvements	(WR124)	Consultant		Black & Veatch
	Original Agreement	Design & Bidding Services	\$	1,279,901.00
		Completed to Date	\$	111,699.99
		Percent Complete		8.7%
WRA Conveyance Engineering Assistance 2022	(WR116)	Consultant		Snyder & Associates
	Original Agreement	Conveyance Engineering Assistance	\$	95,000.00
		Completed to Date	\$	17,843.27
		Percent Complete		18.8%

JUNE 2022 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

WRF Building 96 HVAC Improvements	(WR116)	Consultant		HR Green
	Original Agreement	Multi-Diipline Engineering Assistance	\$	35,600.00
		Completed to Date	\$	2,576.63
		Percent Complete		7.2%
WRF Building 05 Electrical Room HVAC Improvements	(WR116)	Consultant		HR Green
	Original Agreement	Multi-Diipline Engineering Assistance	\$	35,600.00
		Completed to Date	\$	3,601.50
		Percent Complete		10.1%
WRA Materials Testing Services - Ingersoll Run	(WR116)	Consultant		Team Services
	Original Agreement	Materials Testing Services	\$	74,789.00
		Completed to Date	\$	4,595.37
		Percent Complete		6.1%
WRA Treatment Facility Plan Update - 2024	(WR069)	Consultant		HDR Engineering
	Original Agreement	Facility Plan Study	\$	504,900.00
		Completed to Date	\$	17,177.15
		Percent Complete		3.4%
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	\$	-
		Percent Complete		0.0%
WRF Fuel System Improvements	(WR106)	Consultant		CDM Smith
	Original Agreement	Materials Testing	\$	134,975.00
		Completed to Date	\$	-
		Percent Complete		0.0%