

NOTICE OF MEETING

DES MOINES WASTEWATER RECLAMATION AUTHORITY TECHNICAL COMMITTEE

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

September 13, 2022
1:30 p.m.

AGENDA

- ITEM 1: Call to Order
- ITEM 2: Roll Call
- ITEM 3: Minutes for the August 9, 2022 meeting - Approval
- ITEM 4: WRF Building 05 Electrical Room HVAC Improvements - Project Recommendation
- ITEM 5: WRF Building 96 HVAC Improvements - Project Recommendation
- ITEM 6: WRF Belt Filter Press Improvements - Project Recommendation
- ITEM 7: Professional Services Agreement with HDR Engineering, Inc. for Evaluation, Design, and Bidding Phase Services for the WRF Buildings 70 and 75 Transformer Improvements in an Amount Not to Exceed \$168,838.00 - 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

August 9, 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

Dan Scott, Altoona
Don Clark, Ankeny*
Jeff May, Clive
Eugene Schmitt, Des Moines
Shane Kinsey, Johnston
Wayne Schwartz, Norwalk*
Gary Patterson, 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
James Beck, Operating Contractor
Lisa Etnyre, Operating Contractor
Melissa Schlickbernd, Operating Contractor
Patrick Brown, Operating Contractor
AJ Montefusco, Operating Contractor
Roxane Vaughn, Operating Contractor
Ben Warren, Operating Contractor
Kyle Wilson, Operating Contractor
Bob Veenstra, Veenstra & Kim
Jim Rasmussen, HR Green
Wayne Ruble, 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 June 14, 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, Phase 28, Segment 1 - Project Recommendation

James Beck noted the project 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. He noted the engineer's estimate for this project is \$19,000,000.00 with the 10-inch PCC alternate (Alternate 1) and \$17,600,000.00 with the 10-inch HMA alternate (Alternate 2). Bids will be taken on Tuesday, September 27, 2022. The bids will then be presented to the WRA Technical Committee at the October 11, 2022 meeting for review and recommendation to the WRA Board for consideration at the October 18, 2022 meeting.

Brian Hemesath made a motion for recommendation. John Larson seconded that motion. All in favor. The motion carried.

ITEM 5: WRF Digester Repairs and Improvements – Recommendation

James Beck explained that the improvements include hydro-demolition and replacement of a portion of the concrete lid for anaerobic digest 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.

The engineer's estimate for this project was \$1,410,000.00 and bids were received on August 2, 2022 and the apparent low bid received was from Construction Leaders Company, LLC in the amount of \$1,280,350.00 which was 9.2% below the engineer's estimate.

Brian Hemesath asked about the items included in the project which would be eligible for reimbursement under the insurance claim that was submitted. James Beck noted that ICAP has been kept apprised during the design and bidding process and once all costs have been tabulated they will be submitted.

Jeff May made a motion for recommendation. Eugene Schmitt seconded that motion. All in favor. The motion carried.

ITEM 6: Supplemental Agreement No. 2 to the Professional Services Agreement for the WRF Digester #3 Structural Evaluation with HDR Engineering, Inc., in an Amount Not to Exceed \$136,814.00 – Recommendation

James Beck explained that Supplemental Agreement No. 2 amends the professional services agreement to provide Construction Phase Services for the WRF Digester Repairs and Improvements project. Approximately \$75,452.00 of the estimated fee is for services related to the structural repairs and the remaining \$61,362.00 of the estimated fee is attributed for the remaining project components.

Brian Hemesath made a motion to approve. Tim Royer seconded that motion. All in favor. The motion carried.

ITEM 7: WRF Blended Sludge Tank Mixer Replacement – Recommendation

James Beck noted that bids were received on August 2, 2022 for the project which 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 low bid received was from Woodruff Construction, Inc. in the amount of \$1,727,300.00 which was approximately 50.49% over the engineer's estimate

Brian Hemesath made a motion to approve. Tim Royer seconded that motion. All in favor. The motion carried.

ITEM 8: Supplemental Agreement No. 2 to the Professional Services Agreement for the WRF Blended Sludge Mixer Improvements with HR Green, Inc., in an Amount Not to Exceed \$153,875.00 – Recommendation

James Beck stated that on November 19, 2020 a professional services agreement with HR green, Inc. was approved by the WRA Director for design and bidding services associated with the WRF Blended Sludge Mixer Improvements. At this time there is a need for Construction Phase Services because the project has been bid. Supplemental Agreement No. 2 will amend the professional services agreement to provide Construction Phase Services for the WRF Blended Sludge Tank Mixer Improvements project.

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

ITEM 9: Professional Services Agreement with Veenstra & Kimm, Inc. for Design and Right-of-Way Services for the WRA Southern Tier Interceptor, Phase 10, Segment 23 Project in an Amount Not to Exceed \$227,292.00 - Recommendation

James Beck stated that an agreement for professional services has been negotiated with Veenstra & Kimm, Inc. for Design Services and Right-of-Way Acquisition Services for the WRA Southern Tier Interceptor Phase 10, Segment 23 in an hourly not to exceed amount of \$227,292.00. The estimated fee for design is \$199,084.00 and the estimated fee for right-of-way acquisition is \$28,208.00.

The scope of services for the project includes the design of a new sewer starting at a connection to the WRA Southside Des Moines River Interceptor and continuing southeasterly along an alignment generally parallel to the existing WRA Southern Tier Interceptor, Phase 10, Segment 6 sewer to the area of the existing WRA Equalization Basin, a distance of approximately 9,000 feet.

Brian Hemesath asked if WRA projects typically include right-of-way acquisition as part of the agreement with the design consultants. Bob Veenstra explained that historically the services have been included in the contract with the design consultant as it provides better coordination in WRA's experience.

Jeff May made a motion to approve. Eugene Schmitt seconded that motion. All in favor. The motion carried.

ITEM 10: Contract Status Update - Information

Larry Hare noted 35 inspections were completed in Johnston, Urbandale and Waukee, and he noted one exception was received and approved in July

ITEM 11: Contract Status Update - Information

James Beck noted that there have not been any consultant or construction contracts added in July 2022.

ITEM 12: WRA Conveyance Facility Plan Update 2024 – Information

Bob Veenstra with Veenstra & Kim, Inc. provided an overview to date of the WRA Conveyance Facility Plan Update 2024. Bob noted that there are several projects that were identified in the 2012 facility plan that will have their schedule changed based upon growth and capacity. He noted there were several needs identified for the planning period, but the needs were less extensive than anticipated and that the conveyance needs will be less extensive than the needs at the treatment facility.

Scott Hutchens noted the treatment facility plan is lagging the conveyance facility plan as anticipated and that once the treatment facility plan is closer to being finalized there will need to be meetings with the Board or a subcommittee of the Board to discuss future financing and an amendment needed to the 28E agreement.

ITEM 13: Other Business

None.

ITEM 14: Adjourn

Bret VandeLune made a motion to adjourn. John Larson seconded that motion. Meeting adjourned at 2:25p.m.

MEMORANDUM

September 13, 2022

To: WRA Technical Committee

From: Operating Contractor Staff

Re: WRF Building 05 Electrical Room HVAC Improvements – Project Recommendation

The WRF Building 05 Electrical Room HVAC Improvements includes removal and replacement of existing HVAC equipment, controls, and associated work and incidental items in accordance with the [plans](#) and specifications. The project is located at the Preliminary Treatment Building (Building 05) at the WRF, and the building serves as the location where raw wastewater enters the facility. Because of this the atmosphere is very corrosive to equipment in and around the building, and the HVAC equipment that serves the electrical room of the building has deteriorated over its lifetime and replacement of the equipment is necessary at this time.

The engineer's estimate for this project is \$280,500.00 and bids for the project are anticipated to be taken on Tuesday, November 1, 2022. The bids will then be presented to the WRA Technical Committee at the November 8, 2022, meeting for review and recommendation to the WRA Board for consideration at the November 15, 2022 meeting. The final completion date for the improvement is not later than July 1, 2024, and the project will be funded through the WRF Facilities Rehabilitation project code (WR118).

MEMORANDUM

September 13, 2022

To: WRA Technical Committee

From: Operating Contractor Staff

Re: WRF Building 96 HVAC Improvements – Project Recommendation

The WRF Building 96 HVAC Improvements includes the removal of six fume hoods and controllers with replacement of five, modifications of one fume hood control system and devices, replacement of eight Variable Air Volume (VAV) boxes, the conversion of the existing lab hood and HVAC control system and devices serving the laboratory from the existing system to a new system, and related electrical, structural, and subsidiary work in accordance with the [plans](#). The laboratory fume hoods and air controller system were installed in the original construction of the laboratory (around 1997) and several of the fume hoods are corroded and have reached the end of their useful life. The existing fume hood air controller system is dated and obsolete and Staff is no longer able to obtain parts for the system. Staff has also struggled to find any technicians in the industry that service the legacy control system.

The engineer's estimate for this project is \$362,600.00 and bids for the project are anticipated to be taken on Tuesday, November 1, 2022. The bids will then be presented to the WRA Technical Committee at the November 8, 2022, 2020 meeting for review and recommendation to the WRA Board for consideration at the November 15, 2022 meeting. The final completion date for the improvement is not later than November 15, 2023, and the project will be funded through the WRF Facilities Rehabilitation project code (WR118).

MEMORANDUM

September 13, 2022

To: WRA Technical Committee

From: Operating Contractor Staff

Re: WRF Belt Filter Press Improvements – Project Recommendation

The WRA currently utilizes three belt filter presses to dewater digested sludge to create biosolids before they are stored and eventually land applied to farm fields. The three belt filter presses were installed in 2005 and over time the belt filter presses have deteriorated due to the humid, corrosive environment. The WRF Belt Filter Press Improvements includes refurbishment of the three existing belt filter presses, removal and replacement of existing water pressure booster pumps, interior piping replacement and modifications, and subsidiary work in accordance with the [plans](#) and specifications.

The engineer's estimate for this project is \$2,100,000.00 and bids for the project are anticipated to be taken on Tuesday, November 1, 2022. The bids will then be presented to the WRA Technical Committee at the November 8, 2022, meeting for review and recommendation to the WRA Board for consideration at the November 15, 2022 meeting. The final completion date for the improvement is not later than February 16, 2024, and the project will be funded through the WRA Small CIP project code (WR136).

MEMORANDUM

September 13, 2022

To: WRA Technical Committee

From: Operating Contractor Staff

Re: Professional Services Agreement for Study, Design, and Bidding Services for the WRF Buildings 70 and 75 Transformer Improvements with HDR Engineering, Inc., in an Amount Not to Exceed \$168,838.00 – Recommendation

An agreement for professional services has been negotiated with HDR Engineering, Inc. for Study, Design, and Bidding Phase Services associated with the WRF Buildings 70 and 75 Transformer Improvements in an hourly not to exceed amount of \$168,838.00.

The existing electrical transformers located north of Buildings 70 and 75 at the WRF transformers were installed during the construction of the WRF in the late 1980's. The transformers have reached the end of their useful service life and require replacement. The scope of services for the WRF Buildings 70 and 75 Transformer Improvements includes a study component which will review available electrical, site, and structure information for site selection for a replacement transformer structure. The study will consider potential phasing required to relocate and construct the supporting elevated structure for flood protection. The scope of services also includes preliminary design, final design services, including developing contract documents, and bidding phase services.

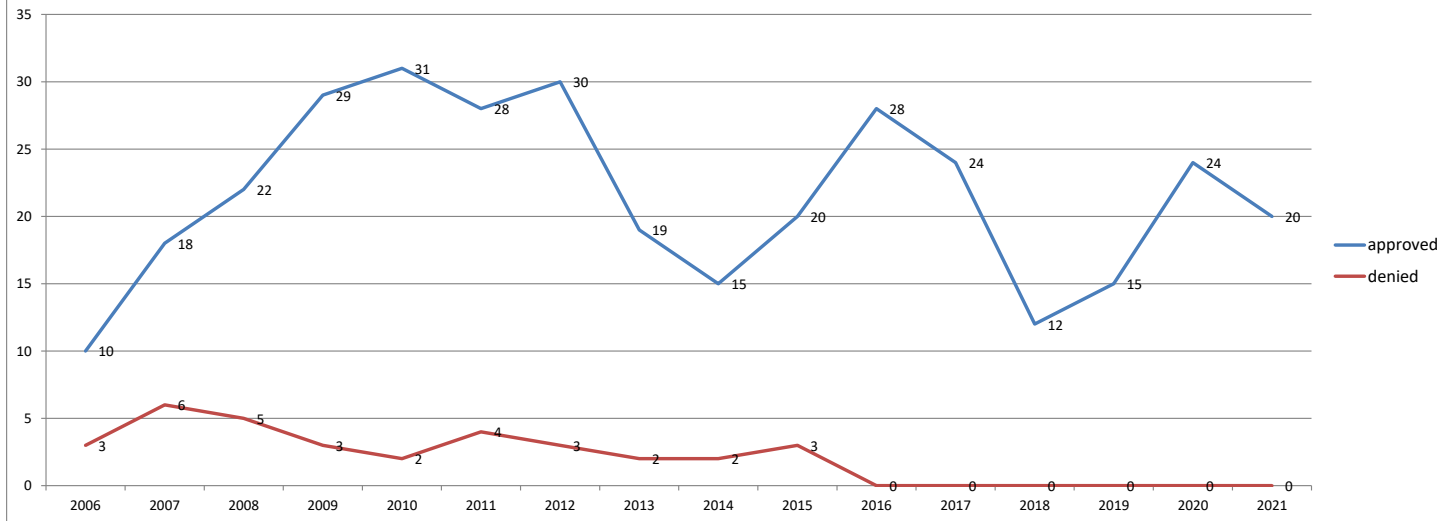
The Operating Contractor's Staff recommends approval the Professional Services Agreement with HDR Engineering, Inc. in an amount not to exceed \$168,838.00.

Progress Report

Month	Annual Inspections	Follow-Up Inspections	Area of Concentration
January-21	15	0	Ankeny, DSM, Norwalk
February-21	15	2	Altoona, Clive, DSM
March-21	36	7	DSM, P. Hill, Waukee schools
April-21	5	9	Complaint response
May-21	8	1	WDM
June-21	21	7	Norwalk, DSM
July-21	16	2	Clive, DSM
August-21	31	4	Clive, DSM, P. Hill
September-21	15	0	Clive, DSM
October-21	16	12	Ankeny, Clive, Johnston, WDM
November-21	30	6	DSM, Ankeny, Johnston
December-21	33	3	DSM (incl. schools), Ankeny, Urb., WDM
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

August Exceptions			
Food Service Establishment	Type of Appeal	Municipality	Approval (Y/N)
Meals on Wheels, 3206 University Avenue	Physical Constraint	Des Moines	Y

Exceptions by Year (includes Economic Hardships & Physical Constraints)



SEPTEMBER 2022 - WRA CONTRACT STATUS SHEET - CONSTRUCTION CONTRACTS

<p>WRF Grit Removal Improvements (WR111) 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 Contract Amount \$12,515,000.00 Change Orders to Date \$941,700.68 Completed to Date \$12,961,011.81 Percent Complete 96.3%</p>	<p>Contract Amount \$12,515,000.00 Change Orders to Date \$941,700.68 Completed to Date \$12,961,011.81 Percent Complete 96.3%</p>
<p>WRA Sugar Creek Sponsored Project Improvements - Phase 1 (WR117) 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 Contract Amount \$1,973,926.00 Change Orders to Date \$0.00 Completed to Date \$1,755,501.55 Percent Complete 88.9%</p>	<p>Contract Amount \$1,973,926.00 Change Orders to Date \$0.00 Completed to Date \$1,755,501.55 Percent Complete 88.9%</p>
<p>WRF Clarifier Improvements - Phase 1 (WR118) 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 Contract Amount \$9,330,000.00 Change Orders to Date \$298,420.00 Completed to Date \$7,744,033.27 Percent Complete 80.4%</p>	<p>Contract Amount \$9,330,000.00 Change Orders to Date \$298,420.00 Completed to Date \$7,744,033.27 Percent Complete 80.4%</p>
<p>WRF Flood Improvements (WR105) 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 Contract Amount \$15,980,000.00 Change Orders to Date \$1,140,735.00 Completed to Date \$14,339,935.85 Percent Complete 83.8%</p>	<p>Contract Amount \$15,980,000.00 Change Orders to Date \$1,140,735.00 Completed to Date \$14,339,935.85 Percent Complete 83.8%</p>
<p>WRF Primary Sludge Piping Replacement (WR110) 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. Contract Amount \$674,900.00 Change Orders to Date \$40,611.00 Completed to Date \$675,880.00 Percent Complete 94.5%</p>	<p>Contract Amount \$674,900.00 Change Orders to Date \$40,611.00 Completed to Date \$675,880.00 Percent Complete 94.5%</p>
<p>WRF Aeration Basin Sensor Improvements (WR068) 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. Contract Amount \$1,530,000.00 Change Orders to Date \$14,801.00 Completed to Date \$1,106,143.91 Percent Complete 71.6%</p>	<p>Contract Amount \$1,530,000.00 Change Orders to Date \$14,801.00 Completed to Date \$1,106,143.91 Percent Complete 71.6%</p>
<p>WRA Southwest Equalization Basin Mechanical Repairs (WR116) 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 Contract Amount \$1,057,300.00 Change Orders to Date \$18,566.92 Completed to Date \$216,887.63 Percent Complete 20.2%</p>	<p>Contract Amount \$1,057,300.00 Change Orders to Date \$18,566.92 Completed to Date \$216,887.63 Percent Complete 20.2%</p>
<p>WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) 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 Contract Amount \$3,231,000.00 Change Orders to Date \$0.00 Completed to Date \$42,574.27 Percent Complete 1.3%</p>	<p>Contract Amount \$3,231,000.00 Change Orders to Date \$0.00 Completed to Date \$42,574.27 Percent Complete 1.3%</p>
<p>WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) 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 Contract Amount \$4,388,521.00 Change Orders to Date \$0.00 Completed to Date \$0.00 Percent Complete 0.0%</p>	<p>Contract Amount \$4,388,521.00 Change Orders to Date \$0.00 Completed to Date \$0.00 Percent Complete 0.0%</p>
<p>WRA Birdland Pump Station Improvements (WR122) 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 Contract Amount \$19,480,000.00 Change Orders to Date \$0.00 Completed to Date \$1,282,104.89 Percent Complete 6.6%</p>	<p>Contract Amount \$19,480,000.00 Change Orders to Date \$0.00 Completed to Date \$1,282,104.89 Percent Complete 6.6%</p>
<p>WRA Sewer Lining - Phase 2 (WR113) 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 Ace Pipe Cleaning, Inc. Contract Amount \$3,985,609.50 Change Orders to Date \$0.00 Completed to Date \$181,724.65 Percent Complete 4.6%</p>	<p>Contract Amount \$3,985,609.50 Change Orders to Date \$0.00 Completed to Date \$181,724.65 Percent Complete 4.6%</p>
<p>WRF Digester Repairs and Improvemnets (WR074) 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</p>	<p>General Contractor Construction Leaders Company Contract Amount \$1,280,350.00 Change Orders to Date \$0.00 Completed to Date \$0.00 Percent Complete 0.0%</p>	<p>Contract Amount \$1,280,350.00 Change Orders to Date \$0.00 Completed to Date \$0.00 Percent Complete 0.0%</p>

SEPTEMBER 2022 - WRA CONTRACT STATUS SHEET - CONSTRUCTION CONTRACTS

WRF Blended Sludge Tank Mixer Replacement

(WR110)

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

General Contractor	Woodruff Construction, Inc.
Contract Amount	\$1,727,300.00
Change Orders to Date	\$0.00
Completed to Date	\$0.00
Percent Complete	0.0%

SEPTEMBER 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	\$ 2,433,653.00
			Percent Complete	100.0%
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	\$ 17,930.14
			Percent Complete	66.7%
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	\$ 980,716.92
			Percent Complete	33.6%
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	\$ 2,579,268.82
			Percent Complete	96.8%
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	\$ 1,189,817.24
			Percent Complete	69.6%
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	\$ 557,996.10
			Percent Complete	85.0%

SEPTEMBER 2022 - WRA CONTRACT STATUS SHEET - CONSULTANT CONTRACTS

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	\$ 1,187,766.74
			Percent Complete	53.4%
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	\$ 771,339.36
			Percent Complete	92.8%
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	\$ 2,287,411.12
			Percent Complete	84.9%
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	\$ 137,190.54
			Percent Complete	55.5%
WRF Clarifier Phase 1 Improvements - Special Inspection Services	(WR115)	Consultant		Terracon
		Original Agreement	Special Inspections	\$ 20,000.00
			Completed to Date	\$ 8,843.25
			Percent Complete	44.2%
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	\$ 121,038.25
			Percent Complete	96.8%
WRF Digster 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	\$ 104,169.13
			Percent Complete	38.9%
WRF Air Permitting Assistance Fiscal Year 2021-2022	(WR069)	Consultant		Trinity Consultants
		Original Agreement	Air Permitting Assistance	\$ 75,000.00
			Completed to Date	\$ 45,217.52
			Percent Complete	60.3%

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WRF Engineering Assistance Fiscal Year 2021-2022	(WR116)	Consultant		HR Green
	Original Agreement	Multi-Disipline Engineering Assistance	\$	95,000.00
		Completed to Date	\$	61,595.38
		Percent Complete		64.8%
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
	Supplemental Agreement No. 2	Construction Phase Services	\$	153,875.00
		Completed to Date	\$	99,590.96
		Percent Complete		39.2%
WRA General Facility Planning Services	(WR069)	Consultant		Veenstra & Kimm
	Original Agreement	Design and Bidding Services	\$	90,000.00
		Completed to Date	\$	78,771.18
		Percent Complete		87.5%
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	\$	121,623.82
		Percent Complete		62.8%
WRA Conveyance Facility Plan Update - 2024	(WR069)	Consultant		Veenstra & Kimm
	Original Agreement	Facility Plan Study	\$	411,000.00
		Completed to Date	\$	309,057.44
		Percent Complete		75.2%
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	\$	171,781.11
		Percent Complete		39.8%
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	\$	108,761.83
		Percent Complete		68.2%
WRA Sugar Creek Sponsored Project Improvements - Phase 2	(WR117)	Consultant		Snyder & Associates
	Original Agreement	Design Tasks	\$	580,300.00
		Completed to Date	\$	260,225.07
		Percent Complete		44.8%

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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	\$	25,687.40
		Percent Complete		82.2%
WRF Effluent Pumping Improvements	(WR124)	Consultant		Black & Veatch
	Original Agreement	Design & Bidding Services	\$	1,279,901.00
		Completed to Date	\$	517,065.09
		Percent Complete		40.4%
WRA Conveyance Engineering Assistance 2022	(WR116)	Consultant		Snyder & Associates
	Original Agreement	Conveyance Engineering Assistance	\$	95,000.00
		Completed to Date	\$	39,347.79
		Percent Complete		41.4%
WRF Building 96 HVAC Improvements	(WR116)	Consultant		HR Green
	Original Agreement	Multi-Disipline Engineering Assistance	\$	35,600.00
		Completed to Date	\$	17,657.21
		Percent Complete		49.6%
WRF Building 05 Electrical Room HVAC Improvements	(WR116)	Consultant		HR Green
	Original Agreement	Multi-Disipline Engineering Assistance	\$	35,600.00
		Completed to Date	\$	17,860.64
		Percent Complete		50.2%
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	\$	97,767.98
		Percent Complete		19.4%
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%

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WRA Birdland Pump Station Improvements - Special Inspections	(WR122)	Consultant		Terracon
	Original Agreement	Materials Testing	\$	99,840.00
		Completed to Date	\$	6,705.50
		Percent Complete		6.7%
WRF Fuel System Improvements	(WR106)	Consultant		CDM Smith
	Original Agreement	Design and Bidding Services	\$	134,975.00
		Completed to Date	\$	34,130.50
		Percent Complete		25.3%
WRF Building 12 Transformer and Switchgear	(WR131)	Consultant		HDR Engineering, Inc.
	Original Agreement	Study, Design, and Bidding Services	\$	191,918.00
		Completed to Date	\$	5,076.50
		Percent Complete		2.6%
WRA Southern Tier Interceptor, Phase 10, Segment 23	(WR127)	Consultant		Veenstra & Kimm, Inc.
	Original Agreement	Design and Right-of-way Services	\$	227,292.00
		Completed to Date	\$	-
		Percent Complete		0.0%