NOTICE OF MEETING

DES MOINES WASTEWATER RECLAMATION AUTHORITY TECHNICAL COMMITTEE

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

March 14, 2023 1:30 p.m.

AGENDA

ITEM 1: Call to Order

ITEM 2: Roll Call

ITEM 3: Minutes for the February 14, 2023 meeting - Approval

ITEM 4: WRF Fuel System Improvements – Project Recommendation

ITEM 5: WRF Clarifier Improvements, Phase 2 – Contract Recommendation

ITEM 6: Industrial Waste Ordinance – Information

ITEM 7: Contract Status Update – Information

ITEM 8: Presentation by HDR Engineering, Inc. Regarding the WRA Treatment Facility Plan Update -

2024

ITEM 9: Other Business

ITEM 10: Adjourn

DES MOINES WASTEWATER RECLAMATION AUTHORITY TECHNICAL COMMITTEE

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

February 14, 2023 1:30 p.m.

DRAFT MINUTES

ITEM 1: Call to Order

Jeff May, Vice-Committee Chair, called the meeting to order at 1:30 p.m.

ITEM 2: Roll Call

Members in Attendance

Dan Scott, Altoona
Don Clark*
Jeff May, Clive
Rita Connor, Cumming*
Eugene Schmitt, Des Moines
Shane Kinsey, Johnston
Russ Paul, Pleasant Hill*
John Larson, Urbandale
Rudy Koester, 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 Roxane Vaughan, Operating Contractor Ben Warren, Operating Contractor Brett Paige, Snyder & Associates Brian Bakke, HDR

* 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 January 10, 2023 meeting - Approval

Brian Hemesath made a motion for recommendation. Rudy Koester seconded that motion. All in favor. The motion carried.

ITEM 4: Chapter 28E Agreement Between the Cities of Waukee, Urbandale, and Clive, the Urbandale Sanitary Sewer District, and the WRA for the Financing, Design, and Construction of the Waukee NE Outfall Sewer and Transfer of the Clive/District Trunk Sewer to the WRA - Recommendation

Scott Hutchens stated that Article VII, Section 4(e) of the WRA Agreement provides that if a Participating Community proposes to design or construct any sanitary sewer improvement, extension, force main, equalization basin, or other similar improvement, and proposes that the improvement be included as a part of the WRA system, that the Participating Community or Communities must follow the provisions of Article VII, Section 4(e) of the WRA Agreement. Waukee desires to construct a new interceptor sewer and Clive and USSD own and operate an existing trunk sewer which was constructed in 1994 and runs parallel to the future Waukee NE Outfall Sewer. The 28E Agreement between the five entities was drafted for the purpose of setting forth the terms by which the WRA will accept and take ownership of the Waukee NE Outfall Sewer and the Clive/District Trunk Sewer.

The Agreement provides that the Technical Committee is to review and recommend to the Board the anticipated capacity of the proposed Extension and of the ability of the WRA System to accept such additional capacity, the WRA's ability to operate and maintain the Extension, the funding source to ensure that the WRA will not be obligated for any cost of design, property acquisition and/or construction of the extension, and that said Extension shall be solely funded by the proposing Participating Community or Communities separately from the Agreement, the planned service capacity to ensure that more than one Participating Community will be served and/or receive capacity from the Extension.

Brian Hemesath asked if the new sewer would have increased flow from the service area or if it would be the same as it is currently. Rudy Koester stated that it would roughly have the same service area and flow as it currently does.

Brian Hemesath made a motion for recommendation. Rudy Koester seconded that motion. All in favor. The motion carried.

ITEM 5: WRA Fiscal Year 2024 Capital Improvements Program and WRA Fiscal Year 2024 Operation & Maintenance Budget Summary - Discussion/Recommendation

Scott Hutchens gave a presentation providing an overview of the Fiscal Year 2024 Capital Improvements Program and WRA Fiscal Year 2024 Operation and Maintenance Budget Summary.

Jeff May made a motion for recommendation. Rudy Koester seconded that motion. All in favor. The motion carried.

ITEM 6: Industrial Waste Ordinance – Information

Larry Hare noted 38 inspections were completed in Des Moines and Waukee and he noted zero exceptions were received and approved in January.

ITEM 7: Contract Status Update – Information

Scott Hutchens asked that everybody review the sheets attached to see what current projects the WRA is currently working on.

ITEM 8: Other Business

None

ITEM 9: Adjourn

Jeff May made a motion to adjourn. Rudy Koester seconded that motion. Meeting adjourned at 2:15 p.m.

MEMORANDUM

March 14, 2023

To: WRA Technical Committee

From: Operating Contractor Staff

Re: WRF Fuel System Improvements – Project Recommendation

The WRF Fuel System Improvements is a project need 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 item all in accordance with the <u>plans</u> and contract documents. The project is located at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa.

The engineer's estimate for this project is \$1,138,000.00 and bids for the project are anticipated to be taken on Tuesday, May 2, 2023. The bids will then be presented to the WRA Technical Committee at the May 9, 2023 meeting for review and recommendation to the WRA Board for consideration at the May 16, 2023 meeting. The final completion date for the improvement is October 18, 2024 and the project will be funded through the WRF Small CIP project code (WR106).

MEMORANDUM

March 14, 2023

To: WRA Technical Committee

From: Operating Contractor Staff

Re: WRF Clarifier Improvements, Phase 2 – Contract Recommendation

The WRF Clarifier Improvements, Phase 2 is a project identified in the WRA Facility Plan Update – 2012 which recommended replacement of the WRF's primary and final clarifier rotating mechanisms. The WRF Clarifier Improvements, Phase 1 project was bid in 2020 and is under construction and included replacement of the primary clarifier rotating mechanisms. The WRF Clarifier Improvements, Phase 2 project design is complete and the improvement is scheduled to bid. The improvement includes phased removal and replacement of twelve (12) secondary clarifier mechanisms, installation of secondary clarifier launder and effluent channel covers, removal and replacement of flow control gates, and other miscellaneous work including all necessary materials, equipment, labor, and cleanup in accordance with the plans and contract documents. The project is located at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa.

The engineer's estimate for the project was \$37,732,000.00 for the total base bid, and \$36,375,000.00 for the total base bid plus the deduct alternate number one. The Deduct Alternate No. 1 included in the bid tab was a deduction cost to supply 12 FRP clarifier launder covers in lieu of aluminum launder covers included in the Total Base Bid. Two bids were received on February 28, 2023 and are tabulated below:

	Total Base Bid	Total Base Bid
		plus Deduct
		Alternate No. 1
Goodwin Brothers Construction (St. Louis, MO)*	\$29,100,000.00	\$28,100,000.00
Williams Brothers Construction (Peoria, IL)	\$31,700,000.00	\$30,800,000.00

^{*}Bid Read Under Advisement

Goodwin Brothers Construction, Co. is the apparent low bidder with a bid of \$29,100,000.00 for the Total Base Bid and \$28,100,000.00 for the Total Base Bid plus Deduct Alternate No. 1 which is 22.75% under the engineer's estimate. Goodwin Brothers Construction, Inc. visited the project site prior to bidding and understands the project requirements. The WRA has not had a contract with Goodwin Brothers Construction, Co. but their references and experience statements provided all appear to be favorable.

ITEM 5

The bid from Goodwin Brothers Construction, Co. was read under advisement because SRF bid Attachments No. 4 and No. 5 were returned but not signed; however, the bidder performed the required due diligences to solicit DBE participation. Williams Brothers Construction, Inc. has submitted a letter to the WRA Director indicating a bid protest. The Operating Contractor's Staff initial belief is the issue with Attachments No. 4 and 5 are a minor irregularity that is not material and may be waived but is continuing to review the information, including reaching out to the Iowa Department of Natural Resources. The Operating Contractor's Staff recommends award of the contract to Goodwin Brothers Construction, Co. subject to completion of Staff's review. Additionally, Staff recommends electing to forgo the selection of the Total Base Bid plus Deduct Alternate No. 1 due to the fact that aluminum launder covers are expected to have a longer useful life than FRP launder covers and the savings in the project cost would not cover the replacement of the FRP launder covers in the future.

With a recommendation from the WRA Technical Committee, the Operating Contractor anticipates having the item brought before the WRA Board at the March 21, 2023 WRA Board Meeting. The final completion date for the improvement is October 2, 2026 the project will be funded through project code WR115 (WRF Clarifier Improvements).

Activity ID: 04-2022-024

Bid Date: 2-28-2023 Goodwin Brothers Construction Williams Brothers Construction APPROVED BY Milly J. Wagen TABULATED BY: N. Smith Co. Inc. CHECKED BY: _ St. Louis, MO Peoria, IL **CONTRACTOR'S BID TABULATION BID SECURITY BID SECURITY** PROJECT: WRF Clarifier Improvements Phase 2 10% Bid Bond 10% Bid Bond ------ESTIMATE------**BID PRICE BID PRICE** UNIT UNIT UNIT ITEM DESCRIPTION QUANTITY PRICE **AMOUNT** PRICE AMOUNT PRICE **AMOUNT** WRF Clarifier Improvements Phase 2, Complete as Specified and Described in Contract Documents 1 LS \$37,682,000.00 \$37,682,000.00 \$29,020,000.00 \$29,020,000.00 \$31,655,000.00 \$31,655,000.00 Concrete Surface Repair, Complete as Specified and Described 2 in Contract Documents 100 SF \$250.00 \$250.00 \$25,000,00 \$400.00 \$40,000.00 \$25,000.00 Concrete Crack Repair, Complete as Specified and Described 3 in Contract Documents 200 LF \$125.00 \$25,000.00 \$200.00 \$40,000.00 \$100.00 \$20,000.00 TOTAL BASE BID \$37,732,000.00 \$29,100,000.00 \$31,700,000.00 Deductive Alternative Cost for twelve (12) FRP clarifier launder Deduct covers in Lieu of aluminum launder covers Included as Part of Alternate No.1 Bid Item No. 1 Base Bid, Complete as Specified and Described in Contract Documents 1 LS -\$1,357,000.00 -\$1,357,000.00 -\$1,000,000.00 -\$1,000,000.00 -\$900,000.00 -\$900,000.00 TOTAL CONSTRUCTION COST (BASE BID PLUS DEDUCT ALTERNATE NO.1) \$36,375,000.00 \$28,100,000.00 \$30,800,000.00

PERCENT OF ENGINEER'S ESTIMATE

Bid Read Under Advisement. DBE Attachments #4 and #5 were returned but not signed. Bidder performed required due diligence to solicit DBE participation with no DBE interest being received.

-22.75%

Low

-15.33%



March 10, 2023

Patrick Brown
Des Moines Wastewater Reclamation Authority
3000 Vandalia Road
Des Moines, Iowa 50317

RE: Des Moines WRF Clarifier Improvements – Phase 2
WRA Activity ID 04-2022-024
HDR Project No. 10098434

Dear Patrick,

On February 28, 2023, the City of Des Moines and Des Moines WRA opened two bids for the Des Moines WRF Clarifier Improvements – Phase 2 project. During the advertisement period bidding documents were distributed to 11 different companies, including 7 plan rooms and 2 prime contractors. Dozens of clarifications were provided to prospective bidders, one addendum was issued, and a prebid meeting was conducted on February 15th.

As requested on the Bid Form, the bidders offered a lump sum amount for the Clarifier Improvements — Phase 2 project. The lump sum amount for the overall project also included unit prices for 100 square feet of concrete surface repair and 200 linear feet of concrete crack repair in addition to the specific repairs identified in the contract documents. The bidders also presented a deductive alternative cost to provide FRP launder covers in lieu of aluminum. The two Total Base Bids were \$29,100,000.00 for Goodwin Brothers Construction Co. and \$31,700,000.00 for Williams Brothers Construction, Inc. Refer to the attached copy of the Bid Tab provided by the City for summary of bids received.

The two bids received were below the engineer's opinion of probable construction cost. The apparent low bidder, Goodwin Brothers Construction Co., was \$2,600,000.00 (approximately 8.2 percent) below the other bidder Williams Brothers Construction, Inc. The apparent low bidder was also \$8,632,000.00 (approximately 22.8 percent) below the engineer's estimate. These differences give cause for some concern. However, conversations with Goodwin Brothers Construction Co. indicate that they are comfortable with their bid.

At HDR's request, Goodwin Brothers Construction Co. (Goodwin) provided an experience statement with references for projects of similar size and scope, and contact information for their bonding company. Based on conversations with references provided for similar projects and their bonding company, Goodwin appears to be a responsible contractor qualified for this project. The related project experience and bonding company references all checked out favorably. Goodwin is a well-established general contractor in the construction of water and wastewater projects with nearly 50 years of experience. Their construction experience is for larger, multimillion dollars projects ranging from \$0.5 million to \$130 million. Indications are that Goodwin has the financial strength, experience, and project management capabilities to successfully complete the work.

Evaluation of Goodwin's deductive bid alternate for the FRP launder covers indicated the total savings in project cost would be \$1,000,000.00 which is approximately \$83,333 per clarifier. Aluminum launder covers are expected to have a longer useful life compared to FRP launder covers. It is estimated that this one time savings in cost would not cover the costs for replacing FRP launder covers in the future. The WRA would also be able to their own repairs for aluminum launder covers, whereas with FRP launder covers they could not make their own repairs. Based on these considerations, HDR does not recommend accepting the deductive bid alternate.

Following evaluation of the bids received, HDR recommends award of a contract in the amount of \$29,100,000.00 (Total Base Bid), to the following as the lowest responsive, responsible bidder:

Goodwin Brothers Construction Co. 4885 New Baumgartner Road St. Louis, MO 63129 636-931-6084

If you have any questions, please contact me at 515-280-4962.

Sincerely,

HDR Engineering, Inc.

adam a Smith

Adam A. Smith, PE Project Engineer

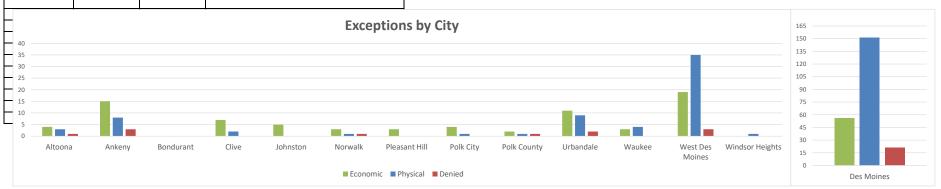
Copy: Melissa Schlickbernd, WRA

James Beck, WRA Ron Sova, HDR Rod Kirkland, HDR

File

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

Febru	ary Exceptions		
Food Service Establishment	Type of Appeal	Municipality	Approval (Y/N)
Vibrant Coffee House & Kitchen, 520 E. Grand Avenue	Physical Constraint	Des Moines	Y
New Creations Daycare, 3424 EP True Parkway	Physical Constraint	West Des Moines	Υ
The District, 212 4th Street	Physical Constraint	Des Moines	Υ
Red Dragon Herbs & Tea, 201 N 3rd Street, Suite E	Physical Constraint	Polk City	Y



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WRF Aeration Basin Resort Improvements (WR068) MALL CIP FUNDED The improvement includes replacement, and modifications of existing aeration sensors, cornor band associated suppriment, 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 basin and buildings 41, 42 and 43 at the Wastewater Reclamation Facility, 3000 Vandailla Road, Des Moines, Iowa (WR161) SMALL CIP FUNDED The improvement includes furnishing and installing all labor, materials, and equipment for the construction of replacement of without path and replacement of vision gate at special Structure 5, removal and replacement of without path and replacement of without path and replacement of vision gate at special Structure 5, removal and replacement of will pump, miscellaneous site pliping and replace, received for 15 inch VB piping from the Control Building to the EQ Tank, removal and replacement of or control media, electrical evening, and in accordance with the contract documents and incared at 51 kms vision and replacement of vision gates at Special Structure 5, removal and replacement of well pump, miscellaneous site pliping and replacement of vision gates at Special Structure 5, vienoval and replacement of well pump, miscellaneous site pliping and replacement of with contract documents and incared and replacement of vision control and miscellaneous and replacement of vision gates at Special Structure 5, vienoval and replacement of well pump, miscellaneous site pliping and replacement of since 42 lands and replacement and well pump, and peripared and well pump, and inaccordance with the contract documents and dicated at Structure 2, vienoval and replacement of vision gates at Special Structure 5, vienoval and replacement of vision gates at Special Structure 5, vienoval and replacement of vision gates at Special Structure 5, vienoval and replacement of vision gates at Special Structure 5, vienoval and miscellaneous and vision gates at Special	\$40,611.0
WRA Faration Basin Sensor Improvements WRA Governments WRA Southwest Equalization Basin Sensor 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, lows WRA Southwest Equalization Basin Mechanical Reports WRA Southwest Equalization Reports WRA Southwest Equalization Basin Mechanical Reports WRA Southwest Equalization Reports WRA	\$675,880.0
The improvement includes replacement and modifications of existing aeration sersors, 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 Employee Service Completed to Date Percent Complete University of the improvement includes furnishing and installing all labor, materials, and equipment for the construction of repairs at the WR equipment of replacement of wile pump, miscellaneous site piping and repairs, rerouting of 16 inch WB piping from the Control Building to the EQ Tank, removal and replacement of such gases as pecked structure 2, demolition of sulcar gases as pecked structure 2, expenditure 2, demolition of sulcar gases as pecked structure 2, expenditure 2, demolition of sulcar gases as pecked structure 2, expenditure 2, demolition of sulcar gases as pecked structure 2, expenditure 2, demolition of sulcar gases as pecked structure 2, expenditure 2, expenditure 2, valve Room equipment and repairs EQ sulce gates, replace EQ hosis, removal and replacement of office gates as pecked structure 2, expenditure 2, expenditure 2, valve Room lighting, together with related subsidiary and incidental work, including cleanup, all in accordance with the contract documents and located at 5641 Winnows Complete Vision Proposed Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED WRA lingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED WRA lingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED WRA lingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED WRA Birdland Pump Station Improvement includes construction of sanitary sever 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 sever in open cut construction, 99 feet of 60-inch and 66-inch sanitary sever in	94.5
WAS Southwest Equalization Basin Mechanical Repairs WR116 SMALL CIP FUNDED	Baker Mechanical, In
WRA Southwest Equalization Basin Mechanical Repairs (WR116) SMALL CP FUNDED 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 plping demolition and replacement, dean and repair EQ sluice gates, replace EQ holst, removal and replacement of sluice gates 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, elevating to Wake 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 541 Winner Percent Complete WRA Southern Ter Interceptor, Phase 10, Segment 24 WRA Southern Ter Interceptor, Phase 28, Segment 3 WRA Southern Ter Interceptor, Phase 28, Segment 3 WRA Southern Terror Te	\$1,530,000.0
WRA Southwest Equalization Basin Mechanical Repairs (WR116) SMALL CIP FUNDED The improvement includes furnishing and installing all labor, materials, and equipment for the construction of repairs at the SW Equalization (SQ) 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 subtractive 2, which some requipment 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 Winnows WARA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED WRA Birdland Pump Station Improvements includes construction of sanitary sewer in open cut construction, 999 feet of 60-inch and 66-inch sanitary sewer in engerol Avenue to High Street, and High Street from 19th Street to 19th Street, 19th Street to 19th Street, 19th Street to Date Percent Complete WRA Birdland Pump Station Improvements (WR122) SRF FUNDED WRA Birdland Pump Station improvements for the construction of improvements for the Contract of Contract the Completed Pump Station, including cleanup; all in accordance with the contract documents. The project is located along ingersoll Avenue from 19th Street to 19th Street, 19th Stree	\$24,625.0
WRA Southwest Equalization Basin Mechanical Repairs (WR116) MRAL CIP FUNDED (MR107) MRAL Cip Funder or well pump, miscellaneous site piping and repairs, rerouting of 15 inch W3 piping from the Control Building to the ECI Tank, removal and replacement of odor control media, clearup, all in accordance with the contract documents and located at 5641 Winosh (MR107) MRAL Cip Funder or well pump, miscellaneous step piping and repairs, recording of 15 inch W3 piping from the Control Building to the ECI Tank, removal and replacement of odor control media, clearup, all in accordance with the contract documents and located at 5641 Winosh (MR107) MRAL Southern Tier Interceptor, Phase 10, Segment 24 (MR108) MRAL Southern Tier Interceptor, Phase 10, Segment 24 (MR107) MRAL Southern Tier Interceptor, Phase 10, Segment 24 (MR107) MRAL Southern Tier Interceptor, Phase 10, Segment 24 (MR107) MRAL Southern Tier Interceptor, Phase 10, Segment 24 (MR107) MRAL Southern Tier Interceptor, Phase 10, Segment 24 (MR107) MRAL Southern Tier Interceptor, Phase 10, Segment 24 (MR107) MRAL Southern Tier Interceptor, Phase 10, Segment 24 (MR107) MRAL Southern Tier Interceptor, Phase 10, Segment 24 (MR107) MRAL Southern Tier Interceptor, Phase 28, Segment 3 (MR108) MRAL 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 Beardsly Street in Warren Change Order to Date Completed to Date MRAL Interceptor, Phase 28, Segment 3 (MR08) MRAL Cir Funder Date MRAL Interceptor, Phase 28, Segment 3 (MR08) MRAL Cir	\$1,322,235.1
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, dean and repairs, erroval and replacement of soluce gates at Special Structure 2, demolition of sluice gates at Special Structure 5, removal and replacement of soluce gates at Special Structure 3, which was a special structure 2, dave Room lighting, together with related subsidiary and incidental work, including cleanup, all in accordance with the contract documents and located at SS41 Winnow Avenue, City of Des Moines, Polk County, Lowa WRA Southern Tier Interceptor, Phase 10, Segment 24 WRA Southern Tier Interceptor, Phase 28, Segment 24 WRA Southern Tier Interceptor, Phase 28, Segment 24 WRA Southern Tier Interceptor, Phase 28, Segment 24 WRA Interceptor, Pha	85.19
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, dean and repairs, erroval and replacement of soluce gates at Special Structure 2, demolition of sluice gates at Special Structure 5, removal and replacement of soluce gates at Special Structure 3, which was a special structure 2, dave Room lighting, together with related subsidiary and incidental work, including cleanup, all in accordance with the contract documents and located at SS41 Winnow Avenue, City of Des Moines, Polk County, Lowa WRA Southern Tier Interceptor, Phase 10, Segment 24 WRA Southern Tier Interceptor, Phase 28, Segment 24 WRA Southern Tier Interceptor, Phase 28, Segment 24 WRA Southern Tier Interceptor, Phase 28, Segment 24 WRA Interceptor, Pha	1 "6
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 Winoback Parkers. WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED General Contractor This improvement includes construction of sanitary sewer, including all labor, materials and equipment necessary for excavation and backfill of approximately 6,997 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, lowa 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 (Complete Verence Complete Verence Complet	odruff Construction, LL
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 Winnows. Polic Courts, 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 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 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 be recreated to Date Complete of Complete of Complete of Complete of Complete of Complete of County of Street in Des Moines and south of the 10900 block of Beardsley Street in 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 block of E. Border Street in Des Moines and south of the 10900 block of Beardsley Street in Warren Complete of Compl	\$1,057,300.0
WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED Interceptor, Phase 10, Segment 25 (WR088) SRF FUNDED Interceptor, Phase 28, Segment 3 (WR088) SRF FUNDED Interceptor, WRA Interceptor, WRA Birdland Pump Station Improvements includes construction of sanitary sewer and paving removal and replacement, traffic control, cross-in-place concrete, structure and building construction, equipment installation, process piping, mechaical, clearly of the Birdland Pump Station, including site work, yard piping, demolition, excavation, coast-in-place concrete, structure and building construction, equipment installation, process piping, mechaical, character of Contract Amount Contract Amount Contract Amount Contract Amount Contract Amount Contract Complete VRA Birdland Pump Station improvements. The project is located along Ingersol Avenue and building construction, equipment installation, process piping, mechaical, character of Contract Amount Contract Amount Character Complete VRA Birdland Pump Station improvements. The project is located along Ingersol Avenue and building construction, equipment installation, process piping, mechaical, character Complete VRA Birdland Pump Station including site work, yard piping, demolition, excavation, cast-in-place concrete, structure and building construction, equipment installation, process piping, mechaical, Contract Amount Contract Amount Contract Amount Contract Amount Contract Amount Contract Amount Character Complete VRA Birdland Pump Station including site work, yard piping, demolition, excavation, cast-in-place concrete, structure and building construction, equipment installation, process piping, mechaical, Contract Amount Contract Amount Contract Amount Contract Amount C	\$18,566.4 \$846,571.1
WRA Southern Tier Interceptor, Phase 10, Segment 24 (WR107) SRF FUNDED 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, lowa and partially in unincorporated Warren County, north of the 1200 block of E. Border Street in Des Moines and south of the 1990 block of Beardsley Street in Warren County Contract Amount Change Percent Complete WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED General Contract Mount Change Order sto Date Complete of 60-inch through 66-inch sanitary sewer in open cut construction, 999 feet of 60-inch and 66-inch sanitary sewer in the contract documents. The project is located along Ingersoll Avenue from 18th Street to 19th Street, 19th Street from 19th Street in Des Moines, lowa WRA Birdland Pump Station Improvements (WR122) SRF FUNDED WRA Birdland Pump Station Ingrovements 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, Change Orders to Date Change	3040,571.1 78.7
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, lowa 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 Complete WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED 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 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 19th Street	70.7
cleanup; all in accordance with the contract documents. The project is located partially in the City of Des Moines, Warren County, lowa 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 Complete Completed to Date Percent Complete WRA Ingersoil Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED 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 Ingersoil Avenue from 18th Street to 19th Street, 19th Street from 19th Street to 19th Street in Des Moines, lowa WRA Birdland Pump Station Improvements (WR122) SRF FUNDED SRF FUNDED General Contractor Contract Amount Change Orders to Date Completed to Date Percent Complete Willian 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, clear to Date Contract Amount Change Orders to Date Contract	Rognes Corporatio
Completed to Date Percent Complete WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED 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 19th Street from 19th Street in Des Moines, lowa WRA Birdland Pump Station Improvements (WR122) SRF FUNDED 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, lowa Completed to Date Contract Amount Change Orders to Date William Change Orders to Date William Change Orders to Date Completed to Date Percent Complete Completed to Date Percent	\$3,231,000.0
Completed to Date Percent Complete WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED 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 19th Street from 19th Street in Des Moines, lowa WRA Birdland Pump Station Improvements (WR122) SRF FUNDED WRA Birdland Pump Station Improvements 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, lowa Contract Amount Change Orders to Date Contract Amount Change Orders to Date	\$108,000.0
WRA Ingersoll Run Outlet, Phase 28, Segment 3 (WR088) SRF FUNDED This improvement includes 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 19th Street to 19th Street to 19th Street to 19th Street from 19th Street to 22nd Street in Des Moines, lowa WRA Birdland Pump Station Improvements (WR122) SRF FUNDED WRA Birdland Pump Station 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, change Orders to Date Contract Amount Contract Amount Contract Contractor Completed to Date Percent Complete Willian 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, Contract Amount Change Orders to Date Willian Contract Amount Contract Mount Contract Mo	\$2,215,602.8
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 and iscellaneous associated work, including cleanup. The posion control and miscellaneous associated work, including cleanup. The project is ocated near Pennsylvania Avenue and North Union Street, Des Moines, Iowa	66.4
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 and iscellaneous associated work, including cleanup; all in accordance with the contract documents. The project is Date Contract Amount Contr	
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 19th Street from 19th Street in Des Moines, lowa Completed to Date Percent Complete WRA Birdland Pump Station Improvements (WR122) SRF FUNDED General Contractor 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, classical description of the project is ocated near Pennsylvania Avenue and North Union Street, Des Moines, Iowa Change Orders to Date Completed to Date Completed to Date Percent Complete Willian General Contractor Contract Amount Contract Amount Change Orders to Date	Construction Companie
WRA Birdland Pump Station Improvements 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 Completed to Date Percent Complete William General Contractor William Controls, rehabilitation and miscellaneous associated work, including cleanup. The project is ocated near Pennsylvania Avenue and North Union Street, Des Moines, Iowa	\$4,388,521.0
WRA Birdland Pump Station Improvements (WR122) SRF FUNDED General Contractor William 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, Contract Amount Change Orders to Date	\$141,742.0
WRA Birdland Pump Station Improvements (WR122) SRF FUNDED 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, Contract Amount Change Orders to Date	\$1,616,829.9 35.7
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, Contract Amount Change Orders to Date	33.7
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, Contract Amount Change Orders to Date	ns Brothers Constructio
electrical and controls, rehabilitation and miscellaneous associated work, including cleanup. The project is ocated near Pennsylvania Avenue and North Union Street, Des Moines, Iowa	\$19,480,000.0
	\$21,411.0
Completed to Date	\$3,655,468.8
Percent Complete	18.79
MADA Courag Living Dhose 2	Asa Dina Classis - In
WRA Sewer Lining - Phase 2 General Contractor The improvement includes all labor materials and equipment for the construction of improvements for the Birdland Rump Station including cite work yard nining depolition exception cart in place construction against installation process nining mechanical. Contract Amount	Ace Pipe Cleaning, In
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, Contract Amount Change Orders to Date Change Orders t	\$3,985,609.5 \$0.0
electrical and controls, rehabilitation and miscellaneous associated work, including cleanup. The project is ocated near Pennsylvania Avenue and North Union Street, Des Moines, Iowa	\$0.0
Completed to Date Percent Complete	\$3,538,693.9 88.8
rescent complete	00.0
WRF Digester Repairs and Improvemnets (WR074) PARTIAL INSURANCE FUNDED AND PARTIAL SMALL CIP FUNDED General Contractor Constr	uction Leaders Compan
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 Contract Amount	\$1,280,350.0
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	\$0.0
Completed to Date	\$65,351.4
Percent Complete	5.19

(NOTE Plant of State Park of State Park of State Park of State Of		Manda off Country sting Inc
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	f Contract Amount	\$1,727,300.00
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	Change Orders to Date	\$0.00
	Completed to Date	\$41,884.60
	Percent Complete	2.4%
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	, Contract Amount	\$17,804,480.00
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	t in Change Orders to Date	\$0.00
Des Moines, Iowa	Completed to Date	\$174,767.81
	Percent Complete	1.0%
WRF Belt Filter Press Improvements (WR 136) SMALL CIP FUNDED	General Contractor	Shank Constructors
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 Buildin	g 70 Contract Amount	\$1,991,800.00
at the Wastewater Reclamation Facility, 3000 Vandalia Road, Des Moines, Iowa	Change Orders to Date	\$0.00
	Completed to Date	\$0.00
	Percent Complete	0.0%
	Tercent complete	5.67.0
WRF Building 05 Electrical Room HVAC Improvements (WR118) SMALL CIP FUNDED	General Contractor	Air-Con Mechanical Corporation
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	Contract Amount	\$293,345.00
The improvement includes remove and replacement of existing trave equipment, controls, and associated work and including to at the wastewater neclamation racing, some variations, controls, and associated work and including to at the wastewater neclamation racing, some variations, and associated work and including to at the wastewater neclamation racing, and associated work and including to at the wastewater neclamation racing, and associated work and including to at the wastewater neclamation racing, and associated work and including to at the wastewater neclamation racing, and associated work and including to at the wastewater neclamation racing and associated work and including to at the wastewater neclamation racing and associated work and including to at the wastewater neclamation racing and associated work and including to at the wastewater neclamation racing and associated work and including to at the wastewater neclamation racing and associated work and associated	Change Orders to Date	\$0.00
	•	\$0.00
	Completed to Date	·
	Percent Complete	0.0%

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	\$	1,087,740.68
			Percent Complete		37.2%
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	\$	2,606,466.76
			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	\$	1,239,511.68
			Percent Complete		72.5%
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
		Supplemental Agreement Ivo. 1	Completed to Date	\$	338,065.14
			Percent Complete	Ψ	99.7%
WRA Fourmile Creek Streambank Stabilization Sponsored Projec	(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 Percent Complete	3	568,656.98 86.6%
WRA Birdland Pump Station Improvement	(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 Percent Complete	\$	1,466,333.66 66.0%
WDF C'4. A	(WD121)				
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 Percent Complete	\$	831,588.36 100.0%
			1 e.cent complete		100.070
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	\$	2,500,174.78
			Percent Complete		92.8%

WRA Southern Tier Interceptor, Phase 10, Segment 24 (W	WR107)		Consultant		Veenstra & Kimm
(··	,	Oni-in-1 A		¢.	247,000,00
		Original Agreement	Design, Right-of-Way, and Construction Services Completed to Date	\$ \$	168,525.10
			Percent Complete		68.2%
WRF Clarifier Phase 1 Improvements - Special Inspection Services (W	WR115)		Consultant		Terracon
WKP Claimer I mase I improvements - Special inspection services (W	WKII3)		Consultant		Terracon
		Original Agreement	Special Inspections	\$	20,000.00
			Completed to Date Percent Complete	\$	12,149.25 60.7%
			1 creent complete		00.770
WRF Flood Improvements - Special Inspection Services (W	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	\$	140,307.75
			Percent Complete		90.5%
WRF Digester Repairs and Improvements (W	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
		Supplemental rigidement 110. 2	Completed to Date	\$	112,269.95
			Percent Complete		42.0%
WRF Air Permitting Assistance Fiscal Year 2021-2022 (W	WR069)		Consultant		Trinity Consultants
WKF All Tellintung Assistance Fiscal Teal 2021-2022	W Kuus)		Consultant		Tillity Consultants
		Original Agreement	Air Permitting Assistance	\$	75,000.00
			Completed to Date	\$	45,997.52
			Percent Complete		61.3%
WRF Engineering Assistance Fiscal Year 2021-2022 (W	WR116)		Consultant		HR Green
(1)			Consumin		THE GIVEN
		Original Agreement	Multi-Disipline Engineering Assistance	\$	95,000.00
			Completed to Date	\$	68,147.13
			Percent Complete		71.7%
WRF Building 05 Raw Pump Study (W	WR091)		Consultant		HDR Engineering
		Original Agreement	Main Pump Study	\$	69,715.00
		5 6	Completed to Date	\$	50,886.29
			Percent Complete		73.0%
WRF Blended Sludge Mixer Improvements (W	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 Percent Complete	Ф	147,966.21 58.3%
WRF Aeration Basin Sensor Improvements (W	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 Percent Complete	\$	144,207.82 74.5%

	WRA Conveyance Facility Plan Update - 2024	(WR069)		Consultant		Veenstra & Kimm
Complete to Date Special Speci			Original Agraamant	Facility Dlan Study	¢	411,000,00
Percent Crosplets Phane 2			Original Agreement			
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	WDA Community of the Disease 2	(W/D112)		C. It is		C
Part Communication Place Services \$ 3,073,000 \$ 2,000,000 \$ 2,	WKA Sewer Lining - Phase 2	(WKII3)		Consultant		Snyder & Associates
Completed Date 1			Original Agreement			124,224.00
Percent Complete Percent Com			Supplemental Agreement No. 1			
WRA Sustineest Equalization Barin Mechanical Repairs					\$	
				Percent Complete		07.7%
Supplemential Agreement No. 1	WRA Southwest Equalization Basin Mechanical Repairs	(WR116)		Consultant		HR Green, Inc.
Supplemential Agreement No. 1			Original Agreement	Design Tasks	s	87 300 00
Percent Complete Percent Com					\$	
WRA Sugar Creek Sponsored Project Improvements - Phase 2 (WR117) Consultant Snyder & Associates WRA Renewable Natural Gas Pipeline Assistance (WR102) Consultant S 50,300,00 WRA Renewable Natural Gas Pipeline Assistance (WR102) Consultant S 60,000,00 WRA Renewable Natural Gas Pipeline Assistance \$ 50,000,00 S 50,000,00 WRF Building Q Variable Frequency Drive and HVAC Study (WR091) Consultant HDR Engineering WRF Building Q Variable Frequency Drive and HVAC Study (WR091) Consultant HDR Engineering WRF Building Q Variable Frequency Drive and HVAC Study (WR091) Consultant HDR Engineering WRF Studar Power Feasibility Study (WR124) Consultant HDR Engineering WRF Effluent Pumping Improvement (WR124) Consultant HDR Engineering WRF Effluent Pumping Improvement (WR124) Consultant HDR Engineering WRF Conveyance Engineering Assistance 2022 (WR116) Consultant S 20,825,900,000 WRA Conveyance Engineering Assistance 2022 (WR116) Consultant S 90,000,000 WRA Conveyance Engineering Assistance 2022 <td></td> <td></td> <td></td> <td></td> <td>\$</td> <td></td>					\$	
Perignal Agreement				Percent Complete		95.2%
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Completed to Date Precent Complete Consultant Precent Complete Consultant		, ,			_	•
Percent Complete Co.23%			Original Agreement			
WRA Renewable Natural Gas Pipeline Assistance (WR102) Consultant Black & Vestch Original Agreement Pipeline Assistance \$ 5,000.00 Completed to Date \$ 4,516.25 Percent Complete 9.0% WRF Building 02 Variable Frequency Drive and HVAC Study (WR091) Consultant HDR Engineering Additional Design, Bidding, and Construction Services \$ 3,009.60 Additional Design, Bidding, and Construction Services \$ 3,096.00 Completed to Date \$ 3,096.00 Percent Complete \$ 3,096.00 Completed to Date \$ 3,096.00 WRF Solar Power Feasibility Study (WR124) Consultant HDR Engineering WRF Effluent Pumping Improvements (WR124) Consultant HDR Engineering WRF Effluent Pumping Improvements (WR124) Consultant Black & Vestch WRF Effluent Pumping Improvements (WR124) Consultant Black & Vestch WRF Conveyance Engineering Assistance 2022 (WR116) Consultant S 9,000.00 WRF Conveyance Engineering Assistance 2022 (WR116) Consultant S 9,000.00 WRF Building 96 HVAC Improvements					Ф	
				•		
Completed to Date S 4,516.25 Percent Complete Percent Comple	WRA Renewable Natural Gas Pipeline Assistance	(WR102)		Consultant		Black & Veatch
Completed to Date S 4,516.25 Percent Complete Percent Comple			Original Agreement	Pipeline Assistance	\$	50,000.00
WRF Building 02 Variable Frequency Drive and HVAC Study WR91) Original Agreement					\$	
				Percent Complete		9.0%
Additional Design, Bidding, and Construction Services \$ 3,36,81,100 Completed to Date \$ 5,06%	WRF Building 02 Variable Frequency Drive and HVAC Study	(WR091)		Consultant		HDR Engineering
Additional Design, Bidding, and Construction Services \$ 36,081.00 Completed to Date Percent Complete			Original Agreement	Study	¢	21 006 00
Complete to Date Percent Complete S 33,982,45			Original Agreement			
WRF Solar Power Feasibility Study (WR124) Original Agreement				Completed to Date		
Original Agreement				Percent Complete		50.6%
Completed to Date S 26,822.01 Percent Complete Percent Complete S 26,822.01 Percent Complete Percent Complete Percent Complete S S,800,000 Completed to Date Percent Complete Percent Comp	WRF Solar Power Feasibility Study	(WR124)		Consultant		HDR Engineering
Completed to Date S 26,822.01 Percent Complete Percent Complete R5.9% WRF Effluent Pumping Improvement: (WR124) Consultant Design & Bidding Services S 1,279,901.00 Additional Design Services S 8,800.00 Completed to Date Percent Complete Percent Complete S 800,369.34 Percent Complete			Original Agraamant	Design & Didding Compage	e	21 226 00
WRF Effluent Pumping Improvements (WR124) Consultant Black & Veatch Original Agreement Design & Bidding Services Additional Design Services Servic			Original Agreement			
Original Agreement Design & Bidding Services \$ 1,279,901.00 Additional Design Services \$ 85,800.00 Completed to Date \$ 800,369.34 Percent Complete \$ 800,369.34 Percent Complete \$ 58.6% WRA Conveyance Engineering Assistance 2022 (WR116) Consultant Snyder & Associates Original Agreement Conveyance Engineering Assistance \$ 95,000.00 Completed to Date \$ 54,319.30 Percent Complete \$ 57.2% WRF Building 96 HVAC Improvements (WR116) Consultant HR Green Original Agreement Multi-Disipline Engineering Assistance \$ 35,600.00 Completed to Date \$ 35,600.00						
Original Agreement Original Agreement Original Agreement Additional Design & Bidding Services Additional Design Services S 85,800.00 Completed to Date Percent Complete Snyder & Snyder & Associates Original Agreement Or	WRF Effluent Pumping Improvements	(WR124)		Consultant		Black & Veatch
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Original Agreement Original Agreement Conveyance Engineering Assistance Completed to Date Completed to Date Percent Complete Formula Original Agreement Original Agreement WRF Building 96 HVAC Improvements (WR116) Original Agreement Original Agreement Multi-Disipline Engineering Assistance Completed to Date \$ 35,600.00 Completed to Date \$ 27,902.21	WDA Communication Assistance 2022	(WD110)				Caralan & Assa i d
WRF Building 96 HVAC Improvements (WR116) Completed to Date Percent Complete \$ 54,319.30 57.2% Original Agreement Consultant HR Green Multi-Disipline Engineering Assistance Completed to Date \$ 35,600.00 60000000000000000000000000000000	WKA Conveyance Engineering Assistance 2022	(WK116)		Consultant		Snyder & Associates
WRF Building 96 HVAC Improvements (WR116) Consultant Consultant Multi-Disipline Engineering Assistance Completed to Date \$ 35,600.00 Completed to Date \$ 27,902.21			Original Agreement			
WRF Building 96 HVAC Improvements (WR116) Original Agreement Multi-Disipline Engineering Assistance Completed to Date \$ 35,600.00 Completed to Date \$ 27,902.21					\$	
Original Agreement Multi-Disipline Engineering Assistance \$ 35,600.00 Completed to Date \$ 27,902.21				Percent Complete		57.2%
Completed to Date \$ 27,902.21	WRF Building 96 HVAC Improvements	(WR116)		Consultant		HR Green
Completed to Date \$ 27,902.21			Original Agreement	Multi-Disipline Engineering Assistance	\$	35,600 00
				Percent Complete		78.4%

WRF Building 05 Electrical Room HVAC Improvements	(WR116)		Consultant		HR Green
	Origina	l Agreement	Multi-Disipline Engineering Assista Completed to Date Percent Complete	s	35,600.00 26,178.64 73.5%
WRA Materials Testing Services - Ingersoll Run	(WR116)		Consultant		Team Services
	Origina	l Agreement	Materials Testing Services Completed to Date Percent Complete	\$ \$	74,789.00 4,595.37 6.1%
WRA Treatment Facility Plan Update - 2024	(WR069)		Consultant		HDR Engineering
	Origina	l Agreement	Facility Plan Study Completed to Date Percent Complete	\$ \$	504,900.00 288,671.29 57.2%
WRA Materials Testing Services - SW EQ Mechanical Repairs	(WR116)		Consultant		Terracon
	Origina	l Agreement	Materials Testing Completed to Date Percent Complete	\$ \$	15,000.00
WRA Birdland Pump Station Improvements - Special Inspections	(WR122)		Consultant		Terracon
	Origina	l Agreement	Materials Testing Completed to Date Percent Complete	\$ \$	99,840.00 18,758.00 18.8%
WRF Fuel System Improvements	(WR106)		Consultant		CDM Smith
	Origina	l Agreement	Design and Bidding Services Completed to Date Percent Complete	\$ \$	134,975.00 116,023.25 86.0%
WRF Building 12 Transformer and Switchgear	(WR131)		Consultant		HDR Engineering, Inc.
	Origina	l Agreement	Study, Design, and Bidding Services Completed to Date Percent Complete	\$ \$	191,918.00 37,105.51 19.3%
WRA Southern Tier Interceptor, Phase 10, Segment 23	(WR127)		Consultant		Veenstra & Kimm, Inc.
	Origina	l Agreement	Design and Right-of-way Services Completed to Date Percent Complete	\$ \$	227,292.00 61,021.98 26.8%
WRF Building 70 and 75 Transformer Improvements	(WR131)		Consultant		HDR Engineering, Inc.
	Origina	l Agreement	Study, Design, and Bidding Services Completed to Date Percent Complete	\$ \$	168,838.00 4,146.54 2.5%
WRA Southern Tier, Phase 10, Segment 24 - Special Inspection Services	(WR107)		Consultant		Terracon
	Origina	l Agreement	Special Inspection Services Completed to Date Percent Complete	\$ \$	20,000.00 1,246.00 6.2%
WRA Ingersoll Run Outlet Sewer - Vibration Monitoring Services	(WR088)		Consultant		Terracon
	Origina	l Agreement	Vibration Monitoring Services Completed to Date Percent Complete	\$ \$	90,000.00 8,070.75 9.0%

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
		0::14	TUTE M	e.	00 000 00
		Original Agreement	Utility Mapping	\$ \$	90,000.00 16,495.88
			Completed to Date Percent Complete	3	18.3%
			r creent Complete		18.570
WRA General Facility Planning Services - FY 23/24	(WR069)		Consultant		Veenstra & Kimm
		Original Agreement	Design and Bidding Services	\$	95,000.00
		ong	Completed to Date	\$	2,494.50
			Percent Complete	·	2.6%
WRF Renewable Natural Gas Feed Compressor Analysis	(WR102)		Consultant	AV	S Engineering LLC
					_
		Original Agreement	Design and Bidding Services	\$	32,000.00
			Completed to Date	\$	-
			Percent Complete		0.0%
WRA Ingersoll Run Outlet, Phase 28, Segment 1 Archaeology Services	(WR088)		Consultant	Wapsi V	Valley Archaeology
		Original Agreement	Archaeology Services	\$	2,901,147.44
		Original Agreement	Completed to Date	\$	2,701,147.44
			Percent Complete	Ψ	0.0%
			refeelit Complete		U.U%n