



MBE/WBE/DBE Contract Goals Request

Date: July 24, 2019
 To: Phillip Yelder, Human Relations Department
 From: Blake Anderson, Water Services Department

Project Number	Project Name		FICB
81000821	Blue River Biosolids Facility		
Contract ID Number	Estimated Cost: (cost breakdown attached)	Solicitation Date:	
1595	\$ 138,985,494.43	9/15/2019 (Design-Build)	
Estimated Project Duration: 3-4 years			

Note: Click the box to select

<input checked="" type="checkbox"/> FICB PREVAILING WAGE: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
Contract Category:	<input type="checkbox"/> Construction	<input checked="" type="checkbox"/> Design-Build	<input type="checkbox"/> Non-Municipal Agency
	<input type="checkbox"/> Design Professional	<input type="checkbox"/> Other Goods & Services	<input type="checkbox"/> Lease
	<input type="checkbox"/> Professional Services	<input type="checkbox"/> Facilities Maintenance/Repair	<input type="checkbox"/> Tenant (MBE/WBE)
	<input type="checkbox"/> Other (Enter Type):		<input type="checkbox"/> Concession
Type:	<input checked="" type="checkbox"/> Original	<input type="checkbox"/> Amendment No.	
Funding:	<input checked="" type="checkbox"/> City(MBE/WBE)	<input checked="" type="checkbox"/> Federal (DBE)	<input checked="" type="checkbox"/> State (DBE)
	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Grant#	(State Revolving Fund)
Construction Workforce Goals: Are the estimated construction labor hours greater than 800 and the estimated cost greater than \$300,000? If yes, complete "Required Crafts" Worksheet and include total number of hours in Description of Work.			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Estimated Cost Breakdown attached - Page 2 List of Required Crafts attached - Page 3

Description of work:

Design and construction of Thermal Hydraulic Processes for processing Wastewater sludge from Blue River WWTP, Westide WWTP, and Birmingham WWTP, rehabbing the Blue River Solids Building, upgrading and replacing obsolete electrical systems, sludge screening, , rehabilitation of the east holding tank, rehabilitation and upgrading of the anaerobic digesters, cooling sludge heat exchangers, boilers for steam generation, pre-dewatering equipment, final dewatering equipment, intermediate sludge storage facilities, dewatered sludge storage, treatment of digester biogas, sidestream ammonia treatment, and startup/commissioning assistance.

cc: _____

FOR HUMAN RELATIONS DEPARTMENT USE ONLY:			
<input type="checkbox"/> No Goals are set for this Project; OR	<input checked="" type="checkbox"/> The following Goals are approved for this Project		
	11% 14%	8% 8%	% DBE
Human Relations Department	<i>Phillip Yelder</i>		Date: 8/14/2019

FOR FAIRNESS IN CONSTRUCTION BOARD USE ONLY²			
		<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Disapproved <input type="checkbox"/> N/A
<i>Regina Mahler</i>		8-19-2019	
		Date	

FOR GRANT AGENCY USE ONLY³			
		<input type="checkbox"/> Approved	<input type="checkbox"/> Disapproved <input checked="" type="checkbox"/> N/A
		Date	

¹ DBE Programs apply to specific federal or state grant requirements.
² For Projects subject to prevailing wage requirements only.
³ Federal and state grant agreements may require granting agency approval of contract goals.

ESTIMATED COST BREAKDOWN FOR

PROJECT #81000821 PROJECT/CONTRACT NAME Blue River Biosolids Facility

Department Use			
Scopes of Work	Dollar Amount	<input type="checkbox"/> DBE X MBE	WBE
General Requirements			
::General Contractor Bonding	\$1,103,950.00		
::Permits	\$641,119.00		
:: Construction Equipment Rental	\$6,641,588.47		\$3,320,794.24
Design	\$10,257,900.00	\$1,538,685.00	\$1,025,790.00
Site Work			
:: Supplemental Mobilization	\$263,765.37	\$65,941.34	\$65,941.34
::Excavation	\$249,352.81	\$249,352.81	
::Building Demolition and Hauling	\$3,245,879.52		\$811,469.88
::Erosion Control, Seed, Mulch, Embankment	\$72,227.44	\$72,227.44	
::Storm Sewer	\$86,959.12	\$86,959.12	
:: Site Demolition	\$201,407.68		\$201,407.68
::Asphalt Paving	\$660,380.19		\$660,380.19
Concrete			
::Concrete Pavement	\$1,661,872.16	\$1,661,872.16	
::Auger Cast Piles	\$509,321.90		
Double Tee Beam Roof	\$112,067.40		
::Poured Structural Concrete for Water Filled Structures, rotating equipment, sludge storage foundations, gas membranes,	\$1,465,241.24		
Masonry and Architectural			
CMU Walls with/without Brick Vaneer	\$2,165,046.96	\$1,082,523.48	
Membrane Roofs and structure	\$2,787,200.14	\$696,800.03	
Overhead & Standard Doors	\$427,039.90	\$213,519.95	
Stairs, Stair Towers, Ladders	\$756,891.37	\$756,891.37	
Metals			
Buidling Structural Repairs and Modifications (Steel Column Repairs, Bridge Crane Rails, Structural Steel Framing Modifications)	\$2,246,007.71	\$561,501.93	
Aluminum Grating and Handrails	\$1,199,159.69	\$299,789.92	
Speciality Field Frabricated Metal (Elevated Inclined Walkway, Silo Framing, Geodesic Aluminum Dome, Centrifgue platforms)	\$1,622,765.76		
Finishes			
Painting	\$1,708,389.18	\$854,194.59	\$854,194.59

ESTIMATED COST BREAKDOWN FOR

PROJECT #81000821 PROJECT/CONTRACT NAME Blue River Biosolids Facility

High Performance Epoxy Coating	\$653,511.08		
Equipment (Anammox Biological Nitrogen Removal System, Hydrogen Sulfide Removal Skids, Sludge Tank Mixing Systems, Truck Scales, Dewatered Cake Hoppers, Cake Conveyors, Thermal Hydrolysis System, Cooling Tower with Chemical Treatment, High Pressure Boilers[180 psi], Screw Conveyors, Cake Hoppers, Cleated Belt Conveyor, Chemical Odor Control, Biological Odor Control, Centrifuges, fiberglass chemical tanks [polymer, acid, and caustic], polymer pumps, polymer blending units, sludge pumps, Bridge Crane, Sludge Screens,)	\$25,911,433.46	\$324,754.56	
Plumbing & Mechanical			
:: Building HVAC (MAU, Exhaust Fans)	\$3,830,594.10	\$1,915,297.05	
::Building Duct Work	\$5,154,941.38		\$2,577,470.69
::HVAC Energy Recovery	\$2,113,679.55		
::Fire Protection	\$945,994.72		\$945,994.72
:: Plumbing	\$1,137,893.66	\$1,137,893.66	
Process Piping			
::Flanged Process Piping [high pressure steam, biogas, high pressure sludge, cake, hydrolyzed sludge, and digested sludge]	\$28,479,012.75		
::Site Process Piping [high pressure steam, biogas, high pressure sludge, cake, hydrolyzed sludge, and digested sludge]	\$1,529,341.84		
Electrical, Instruments, and Controls			
::Motor Control Centers	\$4,085,369.42		

ESTIMATED COST BREAKDOWN FOR

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::Instrumentation and Controls (installation and programming of instruments[Magnetic flow meters, radar level sensors, ultrasonic level sensors, total suspended solids meters, ammonia sensors], Rockwell PlantPax System Integration programming, Installation and programming of Programmable Logic Controls, and System studies/Acceptance testing)	\$3,064,027.07		
::Transformers	\$2,042,684.71		
::Conduits/ Cabe Trays	\$8,936,745.61	\$2,234,186.40	
::Lighting, Building Power	\$3,574,698.24	\$1,787,349.12	
::Duct Bank, Security, Alarm, Communications, Universal Power Supplies, Panelboards, Equipment enclosures and cabinet	\$3,830,033.83		
:: Electrical Substations	\$3,610,000.00		
Department Recommendation Total	\$138,985,494.43	\$15,539,739.94	\$10,463,443.32
Department Recommended Goal		11.18%	7.53%
Human Relations Department Use Only:			
Scopes of Work	Dollar Amount	<input type="checkbox"/> DBE <input type="checkbox"/> MBE	WBE
General Requirements			
::General Contractor Bonding	\$1,103,950.00		
::Permits	\$641,119.00		
:: Construction Equipment Rental	\$6,641,588.47		\$3,320,794.24
Design	\$10,257,900.00	\$1,538,685.00	\$1,025,790.00
Site Work			
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::Excavation	\$249,352.81	\$249,352.81	availability
::Building Demolition and Hauling	\$3,245,879.52	\$1,622,939.76	\$1,622,939.76
::Erosion Control, Seed, Mulch, Embankment	\$72,227.44	\$72,227.44	availability
::Storm Sewer	\$86,959.12	\$86,959.12	availability
:: Site Demolition	\$201,407.68	availability	\$201,407.68
::Asphalt Paving	\$660,380.19	availability	\$660,380.19
Concrete			
::Concrete Pavement	\$1,661,872.16	\$1,661,872.16	availability
::Auger Cast Piles	\$509,321.90		
Double Tee Beam Roof	\$112,067.40		

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CMU Walls with/without Brick Vaneer	\$2,165,046.96	\$2,165,046.96	availability
Membrane Roofs and structure	\$2,787,200.14	\$696,800.03	availability
Overhead & Standard Doors	\$427,039.90	\$213,519.95	availability
Stairs, Stair Towers, Ladders	\$756,891.37	\$756,891.37	availability
Metals			
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Aluminum Grating and Handrails	\$1,199,159.69	\$299,789.92	availability
Speciality Field Frabricated Metal (Elevated Inclined Walkway, Silo Framing, Geodesic Aluminum Dome, Centrifgue platforms)	\$1,622,765.76		
Finishes			
Painting	\$1,708,389.18	\$854,194.59	\$854,194.59
High Performance Epoxy Coating	\$653,511.08	availability	availability
Equipment (Anammox Biological Nitrogen Removal System, Hydrogen Sulfide Removal Skids, Sludge Tank Mixing Systems, Truck Scales, Dewatered Cake Hoppers, Cake Conveyors, Thermal Hydrolysis System, Cooling Tower with Chemical Treatment, High Pressure Boilers[180 psi], Screw Conveyors, Cake Hoppers, Cleated Belt Conveyor, Chemical Odor Control, Biological Odor Control, Centrifuges, fiberglass chemical tanks [polymer, acid, and caustic], polymer pumps, polymer blending units, sludge pumps, Bridge Crane, Sludge Screens,)	\$25,911,433.46	\$324,754.56	availability
Plumbing & Mechanical			
:: Building HVAC (MAU, Exhaust Fans)	\$3,830,594.10	\$3,830,594.10	availability
::Building Duct Work	\$5,154,941.38	availability	\$2,500,000.00
::HVAC Energy Recovery	\$2,113,679.55	availability	availability
::Fire Protection	\$945,994.72		availability

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:: Plumbing	\$1,137,893.66	\$1,137,893.66	availability
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::Site Process Piping [high pressure steam, biogas, high pressure sludge, cake, hydrolyzed sludge, and digested sludge]	\$1,529,341.84	availability	availability
Electrical, Instruments, and Controls			
::Motor Control Centers	\$4,085,369.42	availability	availability
::Instrumentation and Controls (installation and programming of instruments[Magnetic flow meters, radar level sensors, ultrasonic level sensors, total suspended solids meters, ammonia sensors], Rockwell PlantPax System Integration programming, Installation and programming of Programmable Logic Controls, and System studies/Acceptance testing)	\$3,064,027.07	availability	availability
::Transformers	\$2,042,684.71		
::Conduits/ Cable Trays	\$8,936,745.61	\$2,000,000.00	\$2,000,000.00
::Lighting, Building Power	\$3,574,698.24	\$2,000,000.00	availability
::Duct Bank, Security, Alarm, Communications, Universal Power Supplies, Panelboards, Equipment enclosures and cabinet	\$3,830,033.83	availability	availability
:: Electrical Substations	\$3,610,000.00		
HRD Recommendation Total	\$ 138,985,494.43	\$ 20,138,964.71	\$ 12,251,447.79
HRD Recommended Goal		14%	9%

NOTICE: The scopes of work and dollar amounts listed on this MBE/WBE/DBE Contract Goals Request are using internal estimates only for the purpose of analyzing the availability and capacity of M/W/DBEs to set appropriate target goals. Nothing contained within this form should be used to limit, restrict or mandate M/W/DBE participation in particular scopes of work for responding to formal solicitations, including, but not limited to, Invitations for Bids and Requests for Proposals.