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PROJECT		CSO 202 Phase 2 – 70th Avenue & Spencer Street Project (OPW 53869)	
<b>Project Type</b>	Sewer Separation		
<b>Project Description</b>	The purpose of this project is to separate the existing combined sewers at 70th Avenue and Spencer Street. This will be accomplished through (1) sewer improvements upstream of CSO 202, (2) routing of sanitary flows to the existing 18-IN sanitary interceptor sewers that parallel Cole Creek, (3) conveyance of storm flows to be discharged to Cole Creek through the existing CSO outfall, and (4) Cole Creek basin improvements to minimize flow increases due to the sewer improvements.		
<b>Project Contact</b>	<b>Michael True, City of Omaha, Public Works Dept.</b> – 402-444-7778 <b>Weston Engel, Design Consultant, Carollo</b> – 402-496-4088 <b>Dave Lampe, Public Facilitator, Felsburg, Holt &amp; Ullevig</b> – 402-445-4405		
<b>Bid Advertisement (estimated)</b>	Q2 2023		
<b>Begin Construction (estimated)</b>	Q1 2024		
<b>Construction Estimate</b>	\$10–15M		
CATEGORY OF WORK / ESTIMATED MARCH 2023			
 <b>Barricade/Striping</b>	<ul style="list-style-type: none"> <li>• Provide temporary traffic control (1 LS)</li> </ul>		
 <b>Bioswale/Green Infrastructure/Rolled Erosion Control</b>	<ul style="list-style-type: none"> <li>• Nonew</li> </ul>		
 <b>Electrical</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>		
 <b>Fencing</b>	<ul style="list-style-type: none"> <li>• Construct 42" Chain Link Fence (805 LF)</li> </ul>		
 <b>Excavation / Earthwork</b>	<ul style="list-style-type: none"> <li>• Excavation (6,710 CY)</li> <li>• Embankment – Borrow (1,890CY)</li> <li>• Subgrade Preparation (26,597 SY)</li> <li>• Unsuitable Subgrade Material (2,000 CY)</li> <li>• Construct Aggregate Bedding and Foundation Rock for Trench Stabilization (1,000 CY)</li> <li>• Construct Trench Excavation (Unsuitable Material) (2,501 CY)</li> <li>• Construct Type A Rip-Rap Bedding (1,375 Ton)</li> <li>• Construct Trench Plug (5 EA)</li> <li>• Install Biaxial Geotextile Grid and Geotextile Fabric (5,572 SY)</li> </ul>		
 <b>Janitorial</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>		
 <b>Demo/Removals &amp; Paving/Removals</b>	<ul style="list-style-type: none"> <li>• Remove Sewer Pipe Up to 54" (1,563 LF)</li> <li>• Remove Inlet (65 EA)</li> <li>• Remove Abandoned Utility (2,500 LF)</li> <li>• Diversion Weir Removal (1 EA)</li> <li>• Remove Pavement (75,649 SY)</li> <li>• Saw Cut – Full Depth (1,664 LF)</li> <li>• Aggregate Foundation Course 4" (8,164 SY)</li> <li>• Construct Aggregate Surface Course (1,914 SY)</li> <li>• Construct Concrete Pavement 7" to 10" (27,386 SY)</li> <li>• Construct 7" to 10" Concrete Driveway (3,912 SY)</li> </ul>		
 <b>Painting</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>		

(Continued on back)

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 <b>Rebar</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>	
 <b>Clearing &amp; Grubbing/Seeding/Sodding/Landscaping</b>	<ul style="list-style-type: none"> <li>• Clearing and Grubbing – General (1LS)</li> <li>• Clearing and Grubbing Trees over 9" to 48" Diameter (41 EA)</li> <li>• Replacement Tree (47 EA)</li> <li>• Install Sodding (14,647 SY)</li> </ul>	
 <b>Sidewalks/Ramps</b>	<ul style="list-style-type: none"> <li>• Construct PCC Sidewalk (56,499 SF)</li> <li>• Construct 7-inch Imprinted PCC Surfacing (5,536 SF)</li> <li>• Construct Sidewalk Curb Wall, Median Surfacing, Curb Ramp (3,801 SF)</li> <li>• Construct Detectable Warning Panel (903 SF)</li> </ul>	
 <b>Signage</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>	
 <b>Site Security</b>	<ul style="list-style-type: none"> <li>• Construct Temporary Security Fence 72" (704 LF)</li> </ul>	
 <b>Survey/Monitoring</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>	
 <b>SWPPP Items</b>	<ul style="list-style-type: none"> <li>• SWPPP Maintenance Allowance (1 LS)</li> <li>• Install Curb/Grate Inlet Protection (90 EA)</li> <li>• Install Inlet Lug Out Filter (69 EA)</li> <li>• Install Concrete Washout (14 EA)</li> </ul>	
 <b>Water &amp; Sewer Pipelines</b>	<ul style="list-style-type: none"> <li>• Construct 8" to 54" Pipe Plug (73 EA)</li> <li>• Construct Aggregate Bedding (11,540 LF)</li> <li>• Construct 15" to 48" RCP, Class III (4,737 LF)</li> <li>• Construct 6" to 16" DIP (765 LF)</li> <li>• Construct 54" to 108" I.D. Manhole (651 VF)</li> <li>• Adjust Manhole to Grade (47 EA)</li> <li>• Construct Curb Inlet (36 EA)</li> <li>• Construct Grate Inlet (32 EA)</li> <li>• Construction Storm Inlet Manhole Structure (2 EA)</li> <li>• Install External Frame Seal on Manhole (111 EA)</li> <li>• Construct 8" to 15" VCP Sanitary Sewer Pipe (3,935 LF)</li> <li>• Construct 6" PVC Sanitary Sewer Pipe (2,040 LF)</li> <li>• Construct 6" X 8" to 12" WYE (110 EA)</li> <li>• Construct 6" X 8" to 12" TEE (15 EA)</li> <li>• Construct 6" Sanitary Service Riser (500 VF)</li> <li>• Reconnect Sanitary Service (123 EA)</li> <li>• Reconstruct Sanitary Sewer Manhole (50 VF)</li> <li>• New Manhole Connection on Existing VCP Sewer (12 EA)</li> <li>• Helical Pile Pipe Supports (1 LS)</li> <li>• Construct Water Main Tap with Curb Stop and Curb Box (20 EA)</li> <li>• Install 3/4" to 1" Copper Pipe – Open Cut (500 LF)</li> <li>• Perform CCTV Pipeline Inspection (13,860 LF)</li> <li>• Point Repair – 8" to 15" Sewer Pipe (110 LF)</li> <li>• CIPP Lining – 8" to 15" Sewer Pipe (977 LF)</li> <li>• Reinstate Service Connection, CIPP Lining and Lateral Connection Seal (13 EA)</li> <li>• Rebuild Manhole for External Frame Seal Installation (34 EA)</li> <li>• Line Manhole – Structural Cementitious (484 SF)</li> <li>• Purchase Flow Meter – Large Diameter Sewer and Interceptor Sewer (2 EA)</li> <li>• 4" Pipe Underdrain (3,240 LF)</li> </ul>	
 <b>Miscellaneous/Other</b>	<ul style="list-style-type: none"> <li>• Mobilization / Demobilization (1 LS)</li> <li>• Environmental Allowance (1 LS)</li> <li>• Dewatering (1 LS)</li> <li>• Bypass Pumping (1 LS)</li> <li>• Public Information Services (1 LS)</li> <li>• Remove and Install New Sprinkler System Head, Valve Box, System Control/Timer Box, Backflow Preventer (34 EA)</li> <li>• Rental: Dump Truck, Skid Loader, Backhoe, Loader (50 HR)</li> <li>• Preconstruction Building Survey (5 EA)</li> <li>• High Pressure Gas Main Crossing Support (4 EA)</li> </ul>	

For additional information regarding this or other upcoming CSO construction projects, visit the Contractors' Corner at [www.OmahaCSO.com/Resources/Contractors-Corner](http://www.OmahaCSO.com/Resources/Contractors-Corner).