



Cheryl Porter
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Water and Field Services
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Memorandum

To: Honorable Board of Directors

Thru: Cheryl Porter, COO – Water and Field Services

From: Biren Saparia, Systems Control Center Manager
Todd King, Field Services Director

cc: Executive Leadership Team

Date: September 14, 2021

RE: Contract No. 2100891 “Rehabilitation of Outfall B-039”

This memorandum is in response to discussion regarding Contract No. 2100891 “Rehabilitation of Outfall B-039” during the September 8, 2021, Operations and Resources Committee Meeting.

Outfall B-039 is a 13-foot diameter brick sewer that extends approximately 900 feet from the Detroit River Interceptor in Jefferson Avenue to the Detroit River. It was originally constructed in 1928 and is nearing its first century of service. The project consists of significant repairs to the structure, and due to the elevated Detroit River level, will require significant bulkheading and diver related tasks to complete the work. The engineer’s estimate of work quantities, what will be conducted in the wet versus dry, and the responding bidders’ quotes are provided in the attached bid tab.

Significant cost items include construction of an access shaft, installation of isolation gates and frames, sliplining of 800 feet of the tunnel, and debris removal.



Procurement Form (FOR)

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5/1/2019

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Document Title:
Cost Tabulation/Notice of Respondents

Document Owner/Department:
Procurement Team

Contract No./Title: 2100891 Rehabilitation of Outfall B-39
Date: 8/26/2021

	Items	Quantity	Unit of Measure	LGC Global, Inc.		Jay Dee Contractors, Inc.		Ric-Man Construction, Inc.	
				Unit Price	Extended Cost	Unit Price	Extended Cost	Unit Price	Extended Cost
1	Mobilization	1	Lump Sum	\$245,512.89	\$245,512.89	\$500,000.00	\$500,000.00	\$410,000.00	\$410,000.00
2	Flow Control	1	Lump Sum	433,467.21	433,467.21	1,360,000.00	1,360,000.00	85,000.00	85,000.00
3	Install SESC, Site Fencing, and Traffic Control	1	Lump Sum	272,168.78	272,168.78	650,000.00	650,000.00	245,000.00	245,000.00
4	Fabricate Gate Frame and Isolation Gates	1	Lump Sum	849,760.75	849,760.75	420,000.00	420,000.00	925,000.00	925,000.00
5	Construct Access Shaft	1	Lump Sum	1,154,323.13	1,154,323.13	2,000,000.00	2,000,000.00	215,000.00	215,000.00
6	Survey Pipe Alignment	1	Lump Sum	58,020.41	58,020.41	20,000.00	20,000.00	73,000.00	73,000.00
7	Rehabilitate Manhole B39-A	1	Lump Sum	44,725.25	44,725.25	25,000.00	25,000.00	71,000.00	71,000.00
8	Install Permanent Shaft	1	Lump Sum	375,251.38	375,251.38	575,000.00	575,000.00	4,348,450.00	4,348,450.00
9	Site Restoration and Misc. Site Work	1	Lump Sum	528,406.55	528,406.55	180,000.00	180,000.00	160,000.00	160,000.00
10	CSO Cleanup	5	Each	5,396.10	26,980.50	10,000.00	50,000.00	80,000.00	400,000.00
11	Slipline Pipe (In the Wet)	75	FT	7,067.18	530,038.50	4,900.00	367,500.00	11,000.00	825,000.00
12	Slipline Pipe (In the Dry)	800	FT	3,605.35	2,884,280.00	2,900.00	2,320,000.00	4,700.00	3,760,000.00
13	Remove Debris (In the Wet)	200	Tons	341.14	68,228.00	1,250.00	250,000.00	1,000.00	200,000.00
14	Remove Debris (In the Dry)	1250	Tons	681.82	852,275.00	450.00	562,500.00	715.00	893,750.00
15	Headwall Repair (In the Wet)	75	SF	546.03	40,952.25	1,600.00	120,000.00	3,700.00	277,500.00
16	Chemical Grouting (In the Wet)	300	GAL	178.59	53,577.00	225.00	67,500.00	615.00	184,500.00
17	Chemical Grouting (In the Dry)	1500	GAL	425.91	638,865.00	45.00	67,500.00	90.00	135,000.00
18	Cement Grouting (In the Wet)	300	CF	24.73	7,419.00	280.00	84,000.00	450.00	135,000.00
19	Cement Grouting (In the Dry)	1500	CF	26.93	40,395.00	60.00	90,000.00	160.00	240,000.00
20	Tuckpointing (In the Dry)	200	LF	215.02	43,004.00	65.00	13,000.00	115.00	23,000.00
21	Deteriorated Brick Repairs (In the Dry)	100	SF	217.77	21,777.00	60.00	6,000.00	450.00	45,000.00
22	Rough Tap Repairs (In the Dry)	5	Each	2,218.95	11,094.75	600.00	3,000.00	1,900.00	9,500.00
23	Deep Concrete Repairs (In the Dry)	500	SF	323.22	161,610.00	150.00	75,000.00	690.00	345,000.00
24	Joint Repairs (In the Dry)	400	LF	215.02	86,008.00	175.00	70,000.00	595.00	238,000.00
25	Epoxy Crack Repairs (In the Dry)	300	LF	215.02	64,506.00	110.00	33,000.00	221.00	66,300.00
26	Provisional Allowance for Engineer Directed Repairs	1	NTE	250,000.00	250,000.00	250,000.00	250,000.00	250,000.00	250,000.00
	Total				\$9,742,646.35		\$10,159,000.00		\$14,560,000.00



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Approved: _____

Tina Clinkscales CPPO,
CPPB

Digitally signed by Tina Clinkscales
CPPO, CPPB
Date: 2021.08.30 09:07:51 -04'00'