

CENTERLINE RELIEF & BRANCHES DRAIN
INTRA-COUNTY DRAINAGE BOARD
SEPTEMBER 11, 2023
10:45 A.M.
AGENDA

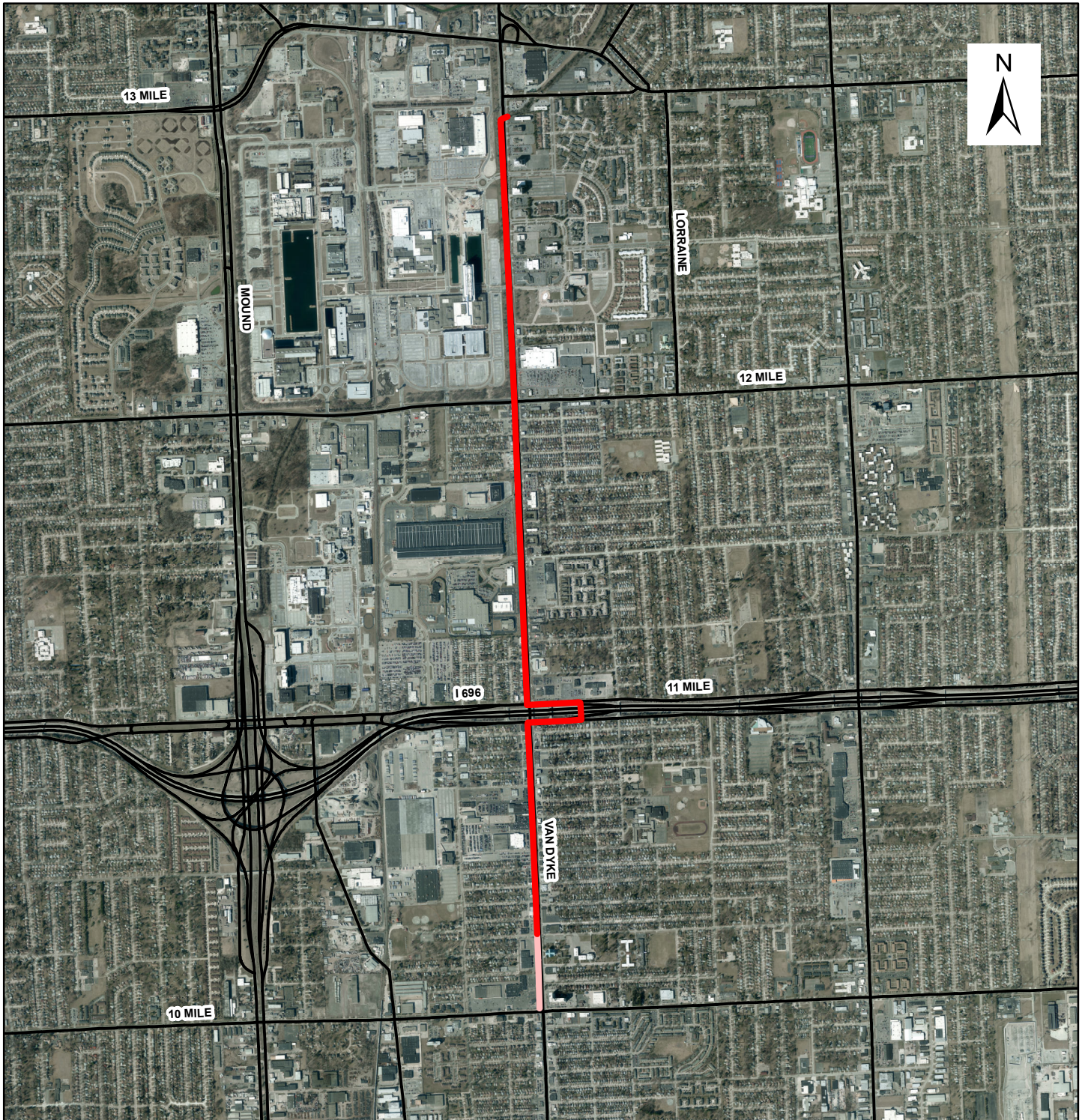
**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE
OPTION**

**Call in Number: 1-434-481-1283
Access Code: 289 083 706**

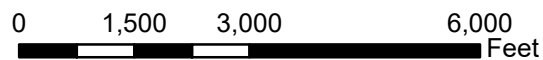
	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for September 11, 2023	
3. Approval of Minutes for September 13, 2021	3
4. Public Participation	
5. Drain Inspection Award - County Match Program – Steve Downing	5
Motion: To approve the drain inspection proposal from AEW and Doetsch Environmental Services for the total not to exceed cost of \$ 58,514.	
6. Financial Report – Bruce Manning	8
7. Adjourn	

CENTERLINE RELIEF DRAIN - ENCLOSED

CENTERLINE / WARREN - CHAPTER 20





Office of
Public Works



Drain Lengths (Feet/Miles):
17,430.63 / 3.301

Legend

Enclosed Gravity

-  < 60" Dia
-  >=60" Dia

An adjourned meeting of the Intra-County Drainage Board for the **CENTERLINE RELIEF & BRANCHES DRAIN** was held the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan, and virtually per the State Public Act 254 of 2020, on September 13, 2021, at 10:44 A.M.

PRESENT: Brian Baker, Acting Chair
Bryan Santo, Member

ABSENT: Michelle Nard, Member

ALSO PRESENT: Don VanSyckel, Macomb County Board of Commissioners; Stephen Downing, Construction & Maintenance Manager, Daryl Gapshes, P.E., Plan Review Manager, Bruce Manning, Financial Manager, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Norb Franz, Communications Manager, Macomb County Public Works; Sydney Hilgendorf, Sterling Heights

The meeting was called to order by the Acting Chair, Brian Baker. A motion was made by Mr. Santo, supported by Mr. Baker to approve the agenda as presented.

Adopted: YEAS: 2
NAYS: 0

Minutes of the meeting of September 9, 2019 were presented. A motion was made by Mr. Santo, supported by Mr. Baker to approve the minutes as presented.

Adopted: YEAS: 2
NAYS: 0

The meeting was opened to public participation, then closed, there being no comments from the public.

Mr. Gapshes updated the board that the Board of Commissioners and the City of Warren approved, and our board needs to approve, the final step to relinquish a portion of the Centerline Relief and Branches Drain to the City of Warren. Almost 20 years ago the city contracted to do an infrastructure study with an architectural engineering firm and looked at directing the downtown drainage to an outlet to the Bear Creek. There is a portion of Centerline Relief that was eliminated during improvements later on, and we have agreed to relinquish a portion of the drain to Warren.

A motion was made by Mr. Santo, supported by Mr. Baker to approve the resolution relinquishing jurisdiction and control of a portion of the Centerline Relief and Branches Drain and authorize Commissioner Miller to execute the Relinquishment Agreement.

Adopted: YEAS: 2
NAYS: 0

A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo and supported by Mr. Baker.

Adopted: YEAS: 2
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Mr. Baker, that the meeting of the Centerline Relief & Branches Drain Board be adjourned.

Adopted: YEAS: 2
NAYS: 0

The meeting was adjourned at 10:49 a.m.



Brian Baker, Acting Chair
Macomb County Public Works Chief Deputy

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on September 13, 2021 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Brian Baker, Acting Chair
Macomb County Public Works Chief Deputy

DATED: 9/13/21



Candice S. Miller

Public Works Commissioner
Macomb County

To: Center Line Relief & Branches Drain Drainage District Board Members

CC: FILE

From: Stephen Downing, Construction & Maintenance Manager

Date: September 11, 2023

Subject: Inspection of the Drain Under I-696

The Center Line Relief & Branches Drain is an enclosed stormwater drain constructed in the early 1970's that runs along Van Dyke in the City of Warren. The Drain consists of a 84-inch diameter RCP section that crosses beneath the I-696 expressway, see attached map for reference. The MCPWO has determined that an inspection of this Drain is due, specifically as it relates to the location, a failure of this drain in this location would have severe impacts to I-696. The drain has not been inspected since it was constructed based on records available to MCPWO staff.

The increase of funding for the County's Drain Match Program in 2023 has allowed the MCPWO to expand the program to include enclosed stormwater drains. MCPWO evaluated areas critical in nature that should be inspected. This inspection is selected for the Macomb County Drain Match Program. Discussions with the City of Warren Engineering Department to allocate City funds toward this inspection are ongoing. The MCPWO decided to move forward with the inspection utilizing existing drain funds and County Drain Match funds. Depending on the results if the inspection, future funds allocated by the City will either be applied to this inspection or toward repairs or sediment removal identified during the inspection.

A team consisting of AEW and Doetsch Environmental Services was selected to provide the services required to facilitate an inspection of this section of the drain. The inspection, oversight and final reporting is estimated to cost \$58,514, cost summary is attached for reference.

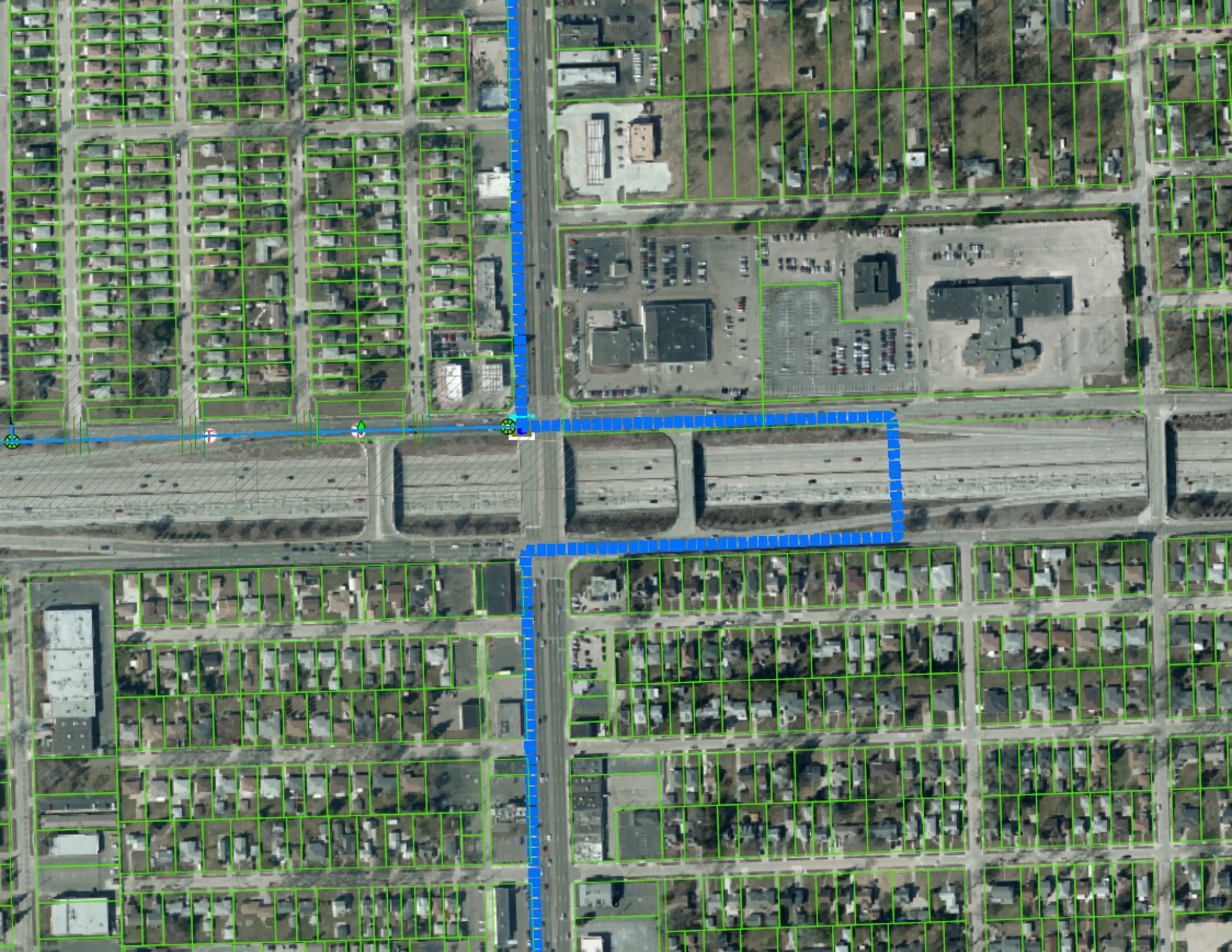
The recommendation is that the Center Line Relief Drain Drainage District Board approve the Inspection for the total not-to-exceed cost of \$58,514 to AEW and Doetsch Environmental Services.

Attachments: Drain Map – I-696 Location
Cost Summary

OFFICE LOCATION: 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933

MAILING ADDRESS: P. O. Box 806, Mt. Clemens, Michigan 48046-0806

ENGINEERING • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264



I-696 Drain Inspections Construction with Operation and Maintenance Report

Engineers Estimate of Probable Costs Center Line Relief Drain, Lorraine Drain, Schoenherr Relief, Bear Creek, Sharkey Relief Drain Inspections	Estimated Staff Hours by Classification																	Total Cost	Commentary / Assumptions		
	Principal Engineer	Project Manager Louis Urban	Project Manager Kevin Zanel	Project Manager Taylor Stig	Project Manager Mohamad Lufti	Senior Project Engineer Chris Trayer Pat Marcus	Licensed Engineer/Surveyor	Graduate Engineer	Team Leader	Engineering Ad III Field Inspector Chris Blissett Kevin Anderson	Clerical Michelle Anlaw	3 Person CSE Sewer Crew	Doetsch CCTV Inspection per day	Doetsch 1.2 5" Submersible Pumps w/Man per day	Doetsch 1.2 6" Submersible Pumps Operating per day	Doetsch Cleaning Setup	Doetsch Cleaning per day			Debris Disposal per ton	Traffic Control Devices Rate per day
84" diameter Center Line Relief Drain I-696 Crossing																					
1		2								2										\$ 602.00	Access manhole from north side of I-696 in Van Dyke
2		2		2																\$ 744.00	
3					16	4			6											\$ 4,548.00	
4				2																\$ 372.00	
5	2	2								2										\$ 1,010.00	
6										40										\$ 4,600.00	estimated 4 days at 10 hours per day hours of inspection observation
7				10																\$ 1,860.00	
8		1	2			2														\$ 930.00	
9		4		4		4														\$ 2,232.00	
10		4				4					4									\$ 1,716.00	
Center Line Relief AEW Sub-Total																				\$18,614.00	
1													1							\$ 4,600.00	Mobilization & Set-up (assumes pumping required)
2															3					\$ 11,700.00	Contractor Allowance - 3 days at \$3,900 per day if required
3													1							\$ 15,600.00	Crew rate per day - assume 3 -days
4																				\$ -	Debris removal not anticipated
5																			4	\$ 8,000.00	Contractor Allowance
Center Line Relief Doetsch Sub-Total																				\$39,900.00	
Center Line Relief Total																				\$58,514.00	

YTD Trial Balance

Fund: Centerline Relief

As of Fiscal Period: Oct 1, 2022-Aug 31, 2023

	O&M Balance 9/30/2022	O&M	Total 8/31/2023
Cash - Operating	5,768	71	5,839
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		71	71
Expenditures			0
Encumbrance			
Equity	5,768		5,839