

October 01, 2021

Heart of the Valley Metropolitan Sewerage District  
attn: David J. Casper, President  
Brian Helminger, District Manager  
801 Thilmany Road  
Kaukauna, WI 54130

re: **EXISTING CURED IN PLACE PIPE (CIPP)**  
**Improve Interceptor System (pre-design)**  
Heart of the Valley Metropolitan Sewerage District  
Outagamie County, Wisconsin

Dear President Casper and Director Helminger:

This letter addresses Strategic's review of televising documentation of the interceptor that is lined with CIPP. We reviewed representative photos and video segments with Directors Helminger and Skogman at our September 30 working meeting.

**A. Concern**

1. Strategic reviewed televising documentation for the entire interceptor system. The system includes reinforced concrete (RCP), polyvinyl chloride (PVC) and cured in place pipe (CIPP).
2. Exposed CIPP edges and wastewater flow patterns at the waterline indicate there are unusual conditions. Exhibit A lists the two (2) primary areas of concern. The first includes land accessible mains in the Ahlstrom wood yard (manholes 6A - 4). The second includes three marine sections below the power dam (manholes 8 - 6A). There are no reasonable explanations for these observations.
3. Strategic shared, reviewed and discussed the documentation with Great Lakes TV Seal (GLTS) and Visu Sewer (Visu).

**B. Recommendation**

1. Strategic recommends the District employ Visu Sewer to jet clean and televise the subject areas (Exhibit B). The jet cleaning will remove accumulated debris and suspended grit. The televising will document present day conditions and resolve whether the CIPP is or is not intact.
2. Visu Sewer can perform the Work in December (weather depending).

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Respectfully Submitted,  
STRATEGIC MUNICIPAL SERVICES, INC.

Scott M. Schramm, PE, PLS  
President

enc: as noted

**RE-TELEWISE INTERCEPTOR**  
**Improve Interceptor System**  
Heart of the Valley Metropolitan Sewerage District

***REVIEW***  
***09/20/21***

year	setup	disk	structure		L length			notes
			from	to	L <sub>RD</sub>	L <sub>TV</sub>	L <sub>rounded</sub>	

**"clean" and TV**  
**Thilmany Mill**

2016	37	07	6A	6		281.1	280	
2016	38	07	6	5A		275.7	280	
2016	39	07	5A	5		318.9	320	
2019	14		5	4		248.1	250	
							<b>1,130</b>	

**TV**  
**Fox River**

			9	8		185	190	
			8	7A		561	560	
			7A	7		816	820	
			7	6A		873	870	
							<b>2,440</b>	

**total** **3,570**

**footnotes:**

**(1)** Great Lakes TV Seal (**Defects by Inspection Report - 2016**) (16077, 11/22/16)

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# LEGEND

## INTERCEPTOR

- PVC
- CIPP
- MIC DAMAGE

## STRUCTURES

- REPLACE STRUCTURE w/ INTERIOR COATING
- REHABILITATE INTERIOR SURFACES
- REHABILITATE EXTERIOR SURFACES
- EXTERIOR SURFACES SEALED
- INTERIOR SURFACES COATED
- R RISERS — REPLACE w BARREL
- ▽ MS 2 METER STATION

VANDEBROEK SANITARY DISTRICT

LITTLE CHUTE

KAUKAUNA

HEESAKKER PARK

RIVERSIDE PARK

POWER PLANT

LOCKS 1-5

AHLSTROM MUNKSJO

WWTF

DOYLE PARK

CANAL and LOCKS

COMBINED LOCKS

SANITORIUM

RACEWAY

DAM

DAM

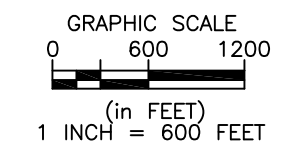
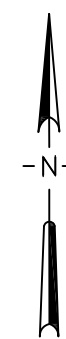
DAM

ISLAND PARK

NONE

ORTHO PHOTO:

KIMBERLY DARBOY SANITARY DISTRICT



REVIEW

**SMS**  
STRATEGIC MUNICIPAL SERVICES, INC.  
1180 WILSON AVENUE, PLAZA SOUTH, WISCONSIN  
(800) 885-3147

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NO.	DATE	REVISION

DATE	DATE	DATE	DATE
SEP 2021			

NO.	DATE	DATE	DATE	DATE

DATE	DATE	DATE	DATE	DATE

NO.	DATE	DATE	DATE	DATE

FILE # 10065-1  
SHEET 1 OF 1

**RE-TELEWISE INTERCEPTOR**  
**Improve Interceptor System**  
Heart of the Valley Metropolitan Sewerage District

**REVIEW**  
**09/29/21**

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**2,440**

**total**

**3,570**

**value**

**Visu Sewer (09/29)**

estimated 30 - 40 hours

3-man crew + TV + jet 385 / h

3-man crew + TV + vactor 425 / h 17,000 40 hours

21,250 50 hours

\$6.0 / lf

**footnotes:**

(1) Great Lakes TV Seal (Defects by Inspection Report - 2016) (16077, 11/22/16)

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**SMS**

inventory  
i.6b

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