
**ENGINEER'S REPORT
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 248
LJA JOB NO. 0460-4810 (12.3)**

NOVEMBER 9, 2022

(✓)
Action
Item

Agenda Item No. 3

1. Weiser Business Park Development

Detention Pond Excavation (LJA Job No. 2004-1905)

Contractor: R Construction Civil
Construction Status: Complete.

Lift Station (LJA Job No. 2004-1904)

Contractor: 5J Services, LLC
Construction Status: Lift Station in service. Startup held October 4. Contractor finishing up punchlist items. Waiting on gas line extension and gas meter installation to test the generator.

Traffic Signal (LJA Job No. 2004-1908)

Contractor: Citylynx, Inc.
Construction Status: Signal construction is substantially complete. Remaining items to be addressed once CenterPoint connects power to the signal and the ramps are poured at the intersection. Will schedule startup once the remaining items have been completed.

Water Line, Sanitary Sewer, Drainage and Paving (LJA Job No. 2004-1906)

Contractor: R Construction Civil
Construction Status: Huffmeister and Fallbrook intersection paving substantially complete. Contractor is working on remaining items (signage, striping, ramps, punchlist items, etc.)

2. Proposed Kensinger Feasibility Study and Annexation of Land into District

Provided additional information to Kensinger to reduce cost estimate based on water and sewer serving only Kensinger tract.

Agenda Item No. 10

1. Weiser Business Park Bond Issue

Nothing new to report.

2. WBP Pond Reimbursement

Nothing new to report.

3. Sanitary Sewer and Manhole TV Review

Opinion of probable cost (OPC) for the manhole rehab project attached. This line is shared between 222, 248, and 61. It is our understanding that the District where the line is located is the District that manages design, bidding, inspection, and construction administration for the rehab project.

The OPC was presented to HCMUD 222 Board and they agreed with the proposed Cured in Place Manhole (CIPM) rehabilitation method as presented.

4. Huffmeister Road and Hempstead Road (Triangle) Tracts

Nothing new to report.

5. 290 Commons Storm Water Quality (SWQ) Feature

Working with Champions Hydro-Lawn for the removal and replacement of the SWQ feature (trash rack).

One-Year Warranty Projects	

**HCMUD 222, HCMUD 248 and HCFWSD No. 61 Shared South Trunk Line
South Shared Trunk Line Rehabilitation Phase I
LJA Job Number.- 0461-2210 & 0460-4810
Date: October 11, 2022**

	Connection		Share %		District Share
Estimated Cost	\$	92,103			
Segment A - Manhole E2 to G					
HCMUD 248	1,526	ESFC	58.29%	\$	53,685.72
HCFWSD 61	1,018	ESFC	38.88%	\$	35,813.94
HCMUD 222	74	ESFC	2.83%	\$	2,603.37
	2,618	ESFC	100%	\$	92,103.03

Estimated Cost	\$	24,797			
Segment B - Manhole G					
HCMUD 248	1,526	ESFC	52.86%	\$	13,107.09
HCFWSD 61	1,018	ESFC	35.26%	\$	8,743.79
HCMUD 222	343	ESFC	11.88%	\$	2,946.09
	2,887	ESFC	100%	\$	24,796.97

Total Cost	\$	116,900			
HCMUD 248				\$	66,792.82
HCFWSD 61				\$	44,557.72
HCMUD 222				\$	5,549.46
			Subtotal	\$	116,900.00
			Contingency (20%)	\$	23,380.00
			Total	\$	140,280.00

**HCMUD 222, HCMUD 248 and HCFWSD No. 61 Shared South Trunk Line
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Item No.	Description	Unit	Quantity	Unit Price	HCMUD 248 Share	HCMUD 222 Share	HCFWSD 61 Share	Total Cost
1	MOBILIZATION, COMPLETE IN PLACE	EA	1	\$30,000	\$ 17,141.01	\$ 1,424.16	\$ 11,434.83	\$30,000
2	LOCATE AND RAISE EXISTING MANHOLE, COMPLETE IN PLACE	EA	2	\$1,000	\$ 1,142.73	\$ 94.94	\$ 762.32	\$2,000
3	REHABILITATE SANITARY SEWER MANHOLE WITH TRIPLEX LINER, COMPLETE IN PLACE	VF	99	\$700	\$ 39,595.74	\$ 3,289.80	\$ 26,414.46	\$69,300
4	DIVERSION PUMPING AS REQUIRED TO MAINTAIN SERVICE AT ALL TIMES, INCLUDING TEMPORARY, PLUGS AND REMOVAL UPON COMPLETION (AS DIRECTED BY ENGINEER), COMPLETE IN PLACE	LS	1	\$15,000	\$ 8,570.51	\$ 712.08	\$ 5,717.42	\$15,000.00
5	POST-CONSTRUCTION VIDEO AND CLEANING OF MANHOLES, ALL DEPTHS, (VIDEO TO BE SUPPLIED TO ENGINEER ON PORTABLE EXTERNAL USB HARD DRIVE), COMPLETE IN PLACE	EA	6	\$100	\$ 342.82	\$ 28.48	\$ 228.70	\$600
SUBTOTAL					\$ 66,792.82	\$ 5,549.46	\$ 44,557.72	\$116,900
CONTINGENCY (20%)					\$ 13,358.56	\$ 1,109.89	\$ 8,911.54	\$23,380
TOTAL					\$ 80,151.38	\$ 6,659.35	\$ 53,469.27	\$140,280

Since the Engineer has no control over the cost of labor, materials or equipment, or over the contractor's methods of determining prices, or over competitive bidding or market conditions, the Engineer's opinions of probable Project Cost or Construction Cost provided herein are to be made on the basis of the Engineer's experience and qualifications and represents the Engineer's best judgement as a design professional familiar with the construction industry, but the Engineer cannot and does not guarantee that proposals, bids or the Construction Cost will not vary from opinions of probable cost prepared by the Engineer.

