McMAHON
ENGINEERS ARCHITECTS

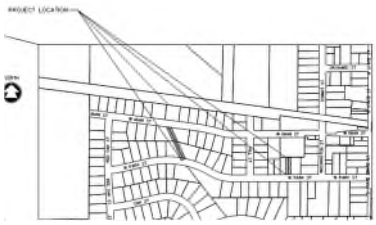
To: **The Finance Committee**

From: **Chris Dopkins, P.E. Village Engineer**

Re: **Park & Main Drainage Improvements**

Date: **June 7, 2021**

To refresh your memories, the improvements are contained to the two drainage channels shown on the map. The easterly drainage way will be improved by the construction of a concrete low flow channel along with new culverts under Park Street. There will also be a new concrete low flow channel constructed in the ditch on the south side of Park from the new culvert pipes to the existing culvert pipes beneath the driveways, and the side slopes of the ditches will be regraded as well.



The westerly channel (through Sherman Oaks Subdivision) has a history soft ground conditions due to base flow (i.e., the nearly constant presence of groundwater) which has also led to invasive plant species taking over the area. The end result is that the residents are not able to mow the area which leads to overgrowth and further propagation of the invasive species. The planned improvements include the removal of the existing topsoil in order to remove the invasive species and provide new topsoil to facilitate new grass. A drain tile will be installed, and a decorative river rock will be placed over the drain tile trench (similar to the photo) in order to provide a means to lower the groundwater elevation. The area will be restored with new seeding and erosion control blanket to help the seed germinate.



The project was advertised for bids, and contract documents were procured by total of six (6) general contractors, two (2) subcontractors and three (3) plan rooms. The following is a summary of the bid results, and a detailed breakdown of the results is attached:

Contractor	**Proposal**
Northern Illinois Service Company, Inc.	$230,160.00
N-Trak Group, LLC.	$134,096.00
Alliance Contractors Inc.	$173,376.80
Stenstrom Excavatoin and Blacktop Group, Inc.	$116,967.90
Engineer's Opinion of Probable Construction Cost:	$93,000.00

Recommendation:

There are two bid items that came in much higher than the opinion of probable construction cost, the landscape edging and the culvert crossings. We have discussed the same w/ Stenstrom and we will work with them to determine if alternate materials can be used that will result in a cost savings to the Village. I hope to have more information available in time for the Committee meeting.

At this time, I find that Stenstrom the lowest responsive, responsible bidder for Park & Main Improvements. Attached to this memo is a resolution that will award the contract to Stenstrom.

I look forward to discussing this item with the Committee and in the meantime please do not hesitate to contact me at 636-9590 with any questions. Thank you.

Park Street/Main Street Drainage Improvements
Village of Poplar Grove, Boone County, Illinois
Contract No.: P0013-07-21-00110
Bid Opening: June 8, 2021 at 2:00 p.m.
Project Manager: Christopher Dopkins, P.E.

McMahon Associates, Inc.
1700 Hutchins Road, Machesney Park IL 61115
Phone: (815) 636-9590
Fax: (815) 636-9591

Item		Quantity	Unit	Engineer's Opinion of Cost		N-TRAK Group, LLC		Stenstrom Excavation		Northern Illinois Service Co.		Alliance Contractors Inc.	
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Earth Excavation	538	CY	$30.00	$16,140.00	$50.00	$26,900.00	$40.50	$21,789.00	$48.00	$25,824.00	$7.50	$4,035.00
2	Pavement Removal	50	SY	$21.00	$1,050.00	$20.00	$1,000.00	$25.00	$1,250.00	$20.00	$1,000.00	$25.00	$1,250.00
3	Sidewalk Removal	72	SF	$10.00	$720.00	$5.00	$360.00	$4.00	$288.00	$8.00	$576.00	$5.00	$360.00
4	Remove 18 x 32 CMP	120	LF	$12.00	$1,440.00	$40.00	$4,800.00	$37.00	$4,440.00	$40.00	$4,800.00	$50.00	$6,000.00
5	Inlet Type A	3	EA	$1,400.00	$4,200.00	$1,500.00	$4,500.00	$1,425.00	$4,275.00	$4,900.00	$14,700.00	$2,850.00	$8,550.00
6	4" Perforated N-12 in Trench	309	LF	$55.00	$16,995.00	$48.00	$14,832.00	$30.00	$9,270.00	$65.00	$20,085.00	$56.00	$17,304.00
7	Rip Rap RR-4 16"	86	SY	$40.00	$3,440.00	$48.00	$4,128.00	$39.00	$3,354.00	$110.00	$9,460.00	$75.00	$6,450.00
8	Rip Rap RR-4 12"	5	SY	$35.00	$175.00	$62.00	$310.00	$53.10	$265.50	$110.00	$550.00	$50.00	$250.00
9	19 x 30 Class IV RCP	96	LF	$55.00	$5,280.00	$200.00	$19,200.00	$190.00	$18,240.00	$425.00	$40,800.00	$605.00	$58,080.00
10	19 x 30 End Section	4	EA	$850.00	$3,400.00	$1,700.00	$6,800.00	$1,145.00	$4,580.00	$2,800.00	$11,200.00	$2,300.00	$9,200.00
11	Paved Ditch	1,020	SF	$9.00	$9,180.00	$19.00	$19,380.00	$12.50	$12,750.00	$50.00	$51,000.00	$23.65	$24,123.00
12	Adjust Water Box	1	EA	$750.00	$750.00	$350.00	$350.00	$221.00	$221.00	$950.00	$950.00	$125.00	$125.00
13	Concrete Sidewalk	72	SF	$28.00	$2,016.00	$9.00	$648.00	$9.50	$684.00	$25.00	$1,800.00	$16.15	$1,162.80
14	Aggregate Base CA-6	80	TON	$35.00	$2,800.00	$40.00	$3,200.00	$56.00	$4,480.00	$55.00	$4,400.00	$75.00	$6,000.00
15	HMA Pavement (2 lifts)	10	TON	$320.00	$3,200.00	$300.00	$3,000.00	$210.00	$2,100.00	$385.00	$3,850.00	$655.00	$6,550.00
16	Aggregate Shoulder	53	SF	$14.00	$742.00	$16.00	$848.00	$12.80	$678.40	$35.00	$1,855.00	$5.00	$265.00
17	Restoration (Topsoil, Seeding, Erosion Control Blanket)	0.36	ACRE	$35,000.00	$12,600.00	$25,000.00	$9,000.00	$20,100.00	$7,236.00	$50,000.00	$18,000.00	$18,800.00	$6,768.00
18	Traffic Control, Complete	1	LS	$1,000.00	$1,000.00	$2,000.00	$2,000.00	$5,420.00	$5,420.00	$1,500.00	$1,500.00	$2,250.00	$2,250.00
19	Erosion Control & Protection	1	LS	$1,500.00	$1,500.00	$1,500.00	$1,500.00	$1,175.00	$1,175.00	$3,500.00	$3,500.00	$1,100.00	$1,100.00
20	Landscape Edging, 10"	540	LF	$8.00	$4,320.00	$10.00	$5,400.00	$20.30	$10,962.00	$20.00	$10,800.00	$19.00	$10,260.00
21	Washed River Rock	54	TON	$38.00	$2,052.00	$110.00	$5,940.00	$65.00	$3,510.00	$65.00	$3,510.00	$61.00	$3,294.00
Total Base Bid (Items 1 - 21 Inclusive)					**$93,000.00**		**$134,096.00**		**$116,967.90**		**$230,160.00**		**$173,376.80**
	Addendum						Yes		Yes		Yes		Yes
	Bid Bond						Yes		Yes		Yes		Yes