

AGENDA

CALL TO ORDER


AGENDA ITEMS

- [1.](#) McIntyre Interceptor Sewer Update

ADJOURNMENT

For information on how to view prior meetings, please visit our website at <https://www.lansingks.org>. If you require any special assistance, please notify the City Clerk prior to the meeting.

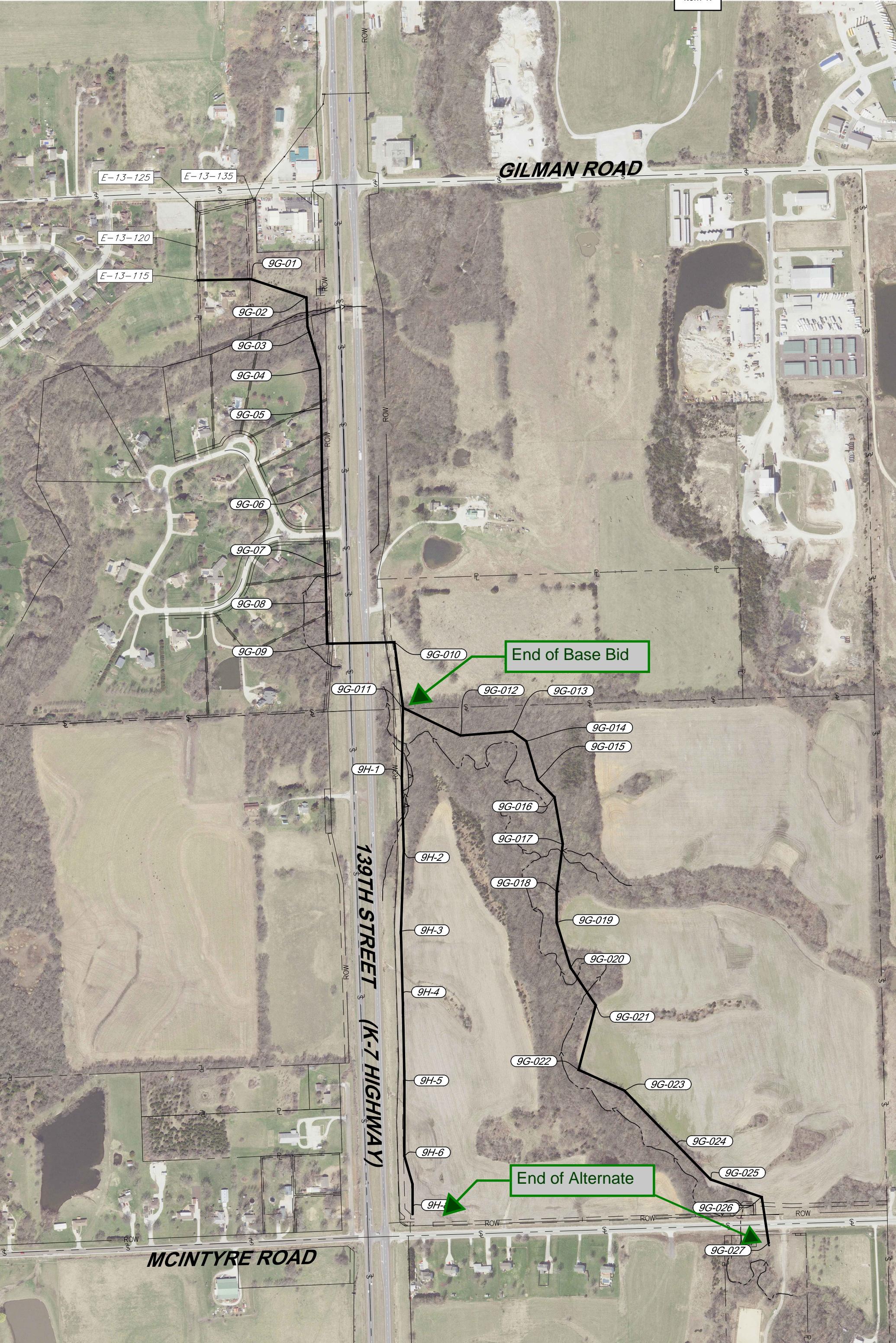
WORKSESSION ITEM

TO: Tim Vandall, City Administrator
FROM: Anthony Zell Jr., Wastewater Utility Director 
DATE: August 23, 2023
SUBJECT: McIntyre Interceptor Project Update

Director Zell will provide an update to the Lansing City Council on this project. Topics for discussion include:

- Project Overview
- Adjusted Easements and Acquisition Update
- Future Timeline
- Construction Alternatives
- Funding Options

WORKSESSION ITEM



City of Lansing
Engineers Estimate of Probable Project Costs

PROJECT INFORMATION

PROJECT:	McIntyre Sewer Extension	DATE:	April 28, 2023
PROJECT NO.:	15053	PROJECT MANAGER:	Nick Kleekamp
PROJECT PHASE:	Base Bid	PREPARED FOR:	City of Lansing

Item No.	Description	Units	Quantity	Unit Price	Extension
General					
1	Mobilization	LS	1	\$87,500	\$87,500
2	Clearing and Grubbing	LS	1	\$175,000	\$175,000
3	Testing	LS	1	\$52,500	\$52,500
4	Construction Staking	LS	1	\$35,000	\$35,000
5	Traffic Control	LS	1	\$17,500	\$17,500
6	By-Pass Pumping	LS	1	\$10,000	\$10,000
7	Standard 4' Manholes (up to 8' depth)	EA	5	\$6,000	\$30,000
8	Standard 5' Manholes (up to 8' depth)	EA	6	\$7,000	\$42,000
9	4' Manhole (beyond 8' depth)	VF	22	\$150	\$3,300
10	5' Manhole (beyond 8' depth)	VF	63	\$190	\$11,970
11	21" PVC Sanitary Sewer	LF	608	\$182	\$110,261
12	30" PVC Sanitary Sewer	LF	1,177	\$386	\$454,525
13	20" CIOD PVC Sanitary Sewer	LF	814	\$195	\$158,759
14	20" Long-Span DIP (Restrained Joint Aerial Sewer Crossing)	LF	120	\$485	\$58,200
15	Aerial Sewer Crossing Supports	LS	1	\$50,000	\$50,000
16	36" Steel Casing w/ 21" PVC Carrier	LF	276	\$1,700	\$468,350
17	Impervious Ditch Check	CY	28	\$100	\$2,800
18	Trench & Backfill (8'-10')	LF	320	\$50	\$15,840
19	Trench & Backfill (10'-12')	LF	580	\$55	\$31,610
20	Trench & Backfill (12'-14')	LF	250	\$61	\$15,125
21	Trench & Backfill (14'-16')	LF	660	\$77	\$50,490
22	Trench & Backfill (16'-18')	LF	200	\$85	\$16,900
23	Trench & Backfill (18'-20')	LF	580	\$108	\$62,350
24	Erosion Control	LS	1	\$20,000	\$20,000
25	Stream Crossing #1	LS	1	\$40,000	\$40,000
26	Stream Crossing #2	LS	1	\$60,000	\$60,000
27	Temporary Seeding	AC	3	\$2,000	\$6,000
28	Permanent Seeding	AC	6	\$3,250	\$20,475
29	Sod	SY	1,110	\$6	\$6,660
30	Pavement Repair	SY	53	\$70	\$3,710
31	Aggregate Driveway Repair	SY	50	\$30	\$1,500
32	AB3 Backfill	CY	80	\$45	\$3,600
33	Temporary Fencing	LS	1	\$1,500	\$1,500
34	Wire Fence (permanent)	LF	240	\$10.00	\$2,400
35	Connection to existing manhole	EA	1	\$2,000	\$2,000

Construction:	\$2,127,825
Contingency (%): 10%	\$212,790
Total	\$2,340,615

Rounded: \$2,341,000

City of Lansing

Engineers Estimate of Probable Project Costs

PROJECT INFORMATION

PROJECT:	McIntyre Sewer Extension	DATE:	April 28, 2023
PROJECT NO.:	15053	PROJECT MANAGER:	Nick Kleekamp
PROJECT PHASE:	Bid Alternate	PREPARED FOR:	City of Lansing

Item No.	Description	Units	Quantity	Unit Price	Extension
General					
1	Mobilization	LS	1	\$82,400	\$82,400
2	Clearing and Grubbing	LS	1	\$164,800	\$164,800
3	Testing	LS	1	\$49,400	\$49,400
4	Construction Staking	LS	1	\$33,000	\$33,000
5	Traffic Control	LS	1	\$16,500	\$16,500
6	Standard 4' Manholes (up to 8' depth)	EA	24	\$6,000	\$144,000
7	4' Manhole (beyond 8' depth)	VF	228	\$150	\$34,200
8	12" PVC Sanitary Sewer	LF	2,207	\$97	\$213,008
9	15" PVC Sanitary Sewer	LF	245	\$119	\$29,204
10	18" PVC Sanitary Sewer	LF	3,581	\$133	\$475,368
11	18" CIOD PVC Sanitary Sewer	LF	300	\$143	\$42,812
12	18" DIP Sanitary Sewer	LF	50	\$319	\$15,956
13	Impervious Ditch Check	CY	97	\$100	\$9,700
14	Trench & Backfill (8'-10')	LF	540	\$50	\$26,730
15	Trench & Backfill (10'-12')	LF	470	\$55	\$25,615
16	Trench & Backfill (12'-14')	LF	800	\$61	\$48,400
17	Trench & Backfill (14'-16')	LF	2,890	\$77	\$221,085
18	Trench & Backfill (16'-18')	LF	880	\$85	\$74,360
19	Trench & Backfill (18'-20')	LF	750	\$108	\$80,625
20	Erosion Control	LS	1	\$40,000	\$40,000
21	Stream Crossing #3	LS	1	\$25,000	\$25,000
22	Standard Stream Crossings (4)	LS	1	\$20,000	\$20,000
23	Temporary Seeding	AC	7	\$2,000	\$14,000
24	Permanent Seeding	AC	15	\$3,250	\$47,775
25	Stream Relocation	LS	1	\$60,000	\$60,000

Construction:	\$1,993,939
Contingency (%): 10%	\$199,394
Total	\$2,193,333

Rounded: \$2,194,000