

TENTATIVE AGENDA
OTTUMWA CITY COUNCIL

SPECIAL MEETING NO. 6
Council Chambers, City Hall

January 28, 2020
5:30 O'Clock P.M.

ROLL CALL: Council Member Berg, Roe, Stevens, Meyers and Mayor Pro Tem Dalbey.

APPROVAL OF THE AGENDA

IDENTIFICATION OF CITIZENS DESIRING TO COMMENT ON AGENDA ITEMS:

(When called upon by the Mayor, step to the microphone; state their name, address and agenda item to be addressed. The Mayor will invite you to address the Council when that topic is being discussed. Remarks will be limited to **three minutes or less**. The City Clerk shall keep the time and notify the Mayor when the allotted time limit has been reached. Comments are to be directly germane to the agenda item being discussed; if not directly germane as determined by the Mayor will be ruled out of order.)

All items on this agenda are subject to discussion and/or action.

1. Work Session update for CSO, Phase VIII, Division I.

RECOMMENDATION: Receive presentation by Public Works and Veenstra & Kimm, Inc. to review the Phase VIII, Division I Project, phasing, letting and funding.

2. Review of sewer rates and funding for CSO, Phase VIII, Division II.

RECOMMENDATION: Receive presentation by Public Works, Veenstra & Kimm, Inc. and Finance Department to discuss CSO Phase VIII, Division II sewer separation and funding options, time and impact on existing sewer rates.

PUBLIC FORUM:

The Mayor will request comments from the public on topics of city business or operations other than those listed on this agenda. Comments shall not be personalized and limited to **three minutes or less**. Comments not directly applicable to operations, inappropriate, or an improper utilization of meeting time, as determined by the Mayor, will be ruled out of order. When called upon by the Mayor, step to the microphone; give your name, address and topic on which to address the Council. The Council is not likely to take any action on your comments due to requirements of the Open Meetings Law. Pertinent questions, comments or suggestions may be referred to the appropriate department, city administrator or legal counsel for response, if relevant.

ADJOURNMENT:

***** It is the goal of the City of Ottumwa that all City Council public meetings are accessible to people with disabilities. If you need assistance in participating in City Council meetings due to a disability as defined under the ADA, please call the City Clerk's Office at (641) 683-0621 at least one (1) business day prior to the scheduled meeting to request an accommodation. *****



[CITY OF]

OTTUMWA

FAX COVER SHEET

City of Ottumwa

DATE: 1/24/2020 TIME: 8:30 AM NO. OF PAGES 2
(Including Cover Sheet)

TO: News Media CO: _____

FAX NO: _____

FROM: Christina Reinhard

FAX NO: 641-683-0613 PHONE NO: 641-683-0620

MEMO: Tentative Agenda for the Special City Council Work Session #6 to be held on 1/28/2020.

*** FAX MULTI TX REPORT ***

JOB NO. 1228
DEPT. ID 4717
PGS. 2
TX INCOMPLETE -----
TRANSACTION OK 96847834
916606271885
ERROR 916416828482

Ottumwa Courier
KTVO
Tom FM



FAX COVER SHEET

City of Ottumwa

DATE: 1/24/2020 TIME: 8:30 AM NO. OF PAGES 2
(Including Cover Sheet)

TO: News Media CO: _____

FAX NO: _____

FROM: Christina Reinhard

FAX NO: 641-683-0613 PHONE NO: 641-683-0620

MEMO: Tentative Agenda for the Special City Council Work Session #6 to be held on
1/28/2020.

*** TX REPORT ***

JOB NO.	1228	
DEPT. ID	4717	
ST. TIME	01/24 08:23	
SHEETS	2	
FILE NAME		
TX INCOMPLETE	-----	
TRANSACTION OK	96847834	Ottumwa Courier
	916606271885	KTVO
ERROR	916416828482	Tom FM



FAX COVER SHEET

City of Ottumwa

DATE: 1/24/2020 TIME: 8:30 AM NO. OF PAGES 2
(Including Cover Sheet)

TO: News Media CO: _____

FAX NO: _____

FROM: Christina Reinhard

FAX NO: 641-683-0613 PHONE NO: 641-683-0620

MEMO: Tentative Agenda for the Special City Council Work Session #6 to be held on 1/28/2020.

CITY OF OTTUMWA

Staff Summary

**** ACTION ITEM ****

FILE
2020 JAN 23 PM 1:14
16
07110

Council Meeting of: January 28, 2020

Engineering Department
Department

Alicia Bankson
Prepared By
Larry Seals
Department Head

Tom X. Lopez
City Administrator Approval

AGENDA TITLE: Work Session update for CSO, Phase 8 Division I.

****Public hearing required if this box is checked.****

****The Proof of Publication for each Public Hearing must be attached to this Staff Summary. If the Proof of Publication is not attached, the item will not be placed on the agenda.****

PURPOSE: Provide an update for all City Council members on the status of routing and opinion of cost for Phase 8, Division 1 of the sewer separation project.

DISCUSSION: Presentation will be made by Public Works and Veenstra & Kimm, Inc. to review the Phase VIII, Division I project, phasing, letting and funding.

Source of Funds:

Budgeted Item:

Budget Amendment Needed:

CITY OF OTTUMWA

Staff Summary ^{2020 JAN 23 PM 1:14}

**** ACTION ITEM ****

Council Meeting of: January 28, 2020

Engineering Department
Department

Alicia Bankson
Prepared By
Larry Deas
Department Head

Tom Lopez
City Administrator Approval

AGENDA TITLE: Review of sewer rates and funding for Phase VIII, Division II.

****Public hearing required if this box is checked.****

****The Proof of Publication for each Public Hearing must be attached to this Staff Summary. If the Proof of Publication is not attached, the item will not be placed on the agenda.****

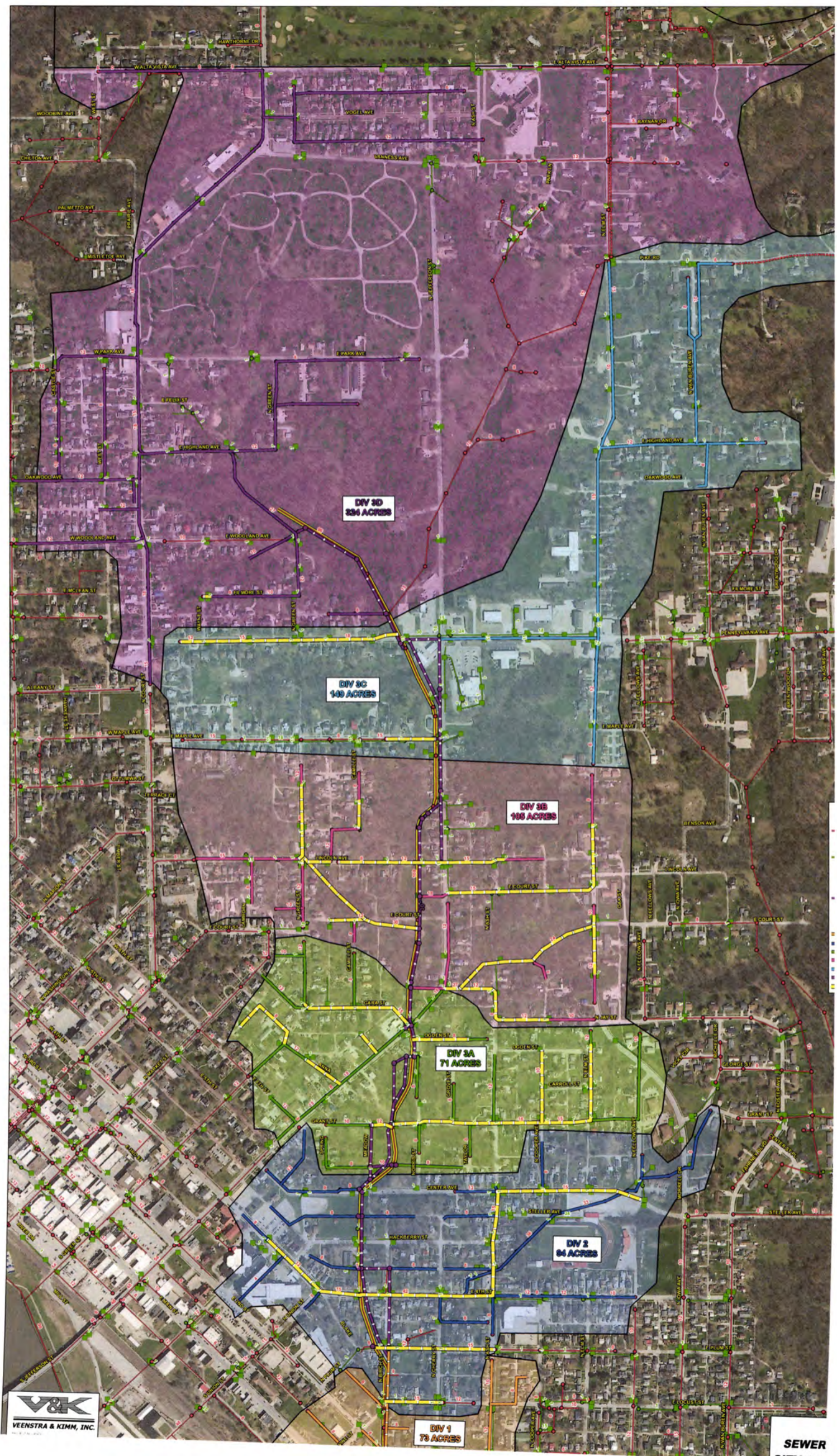
PURPOSE: Review of sewer rates and funding for Phase VIII, Division II.

DISCUSSION: Presentation will be made by Public Works ,Veenstra & Kimm, Inc. and Finance Department to discuss Phase VIII, Division II sewer separation and funding options, time and impact on existing sewer rates.

Source of Funds:

Budgeted Item:

Budget Amendment Needed:



DIV 3D
236 ACRES

DIV 3C
149 ACRES

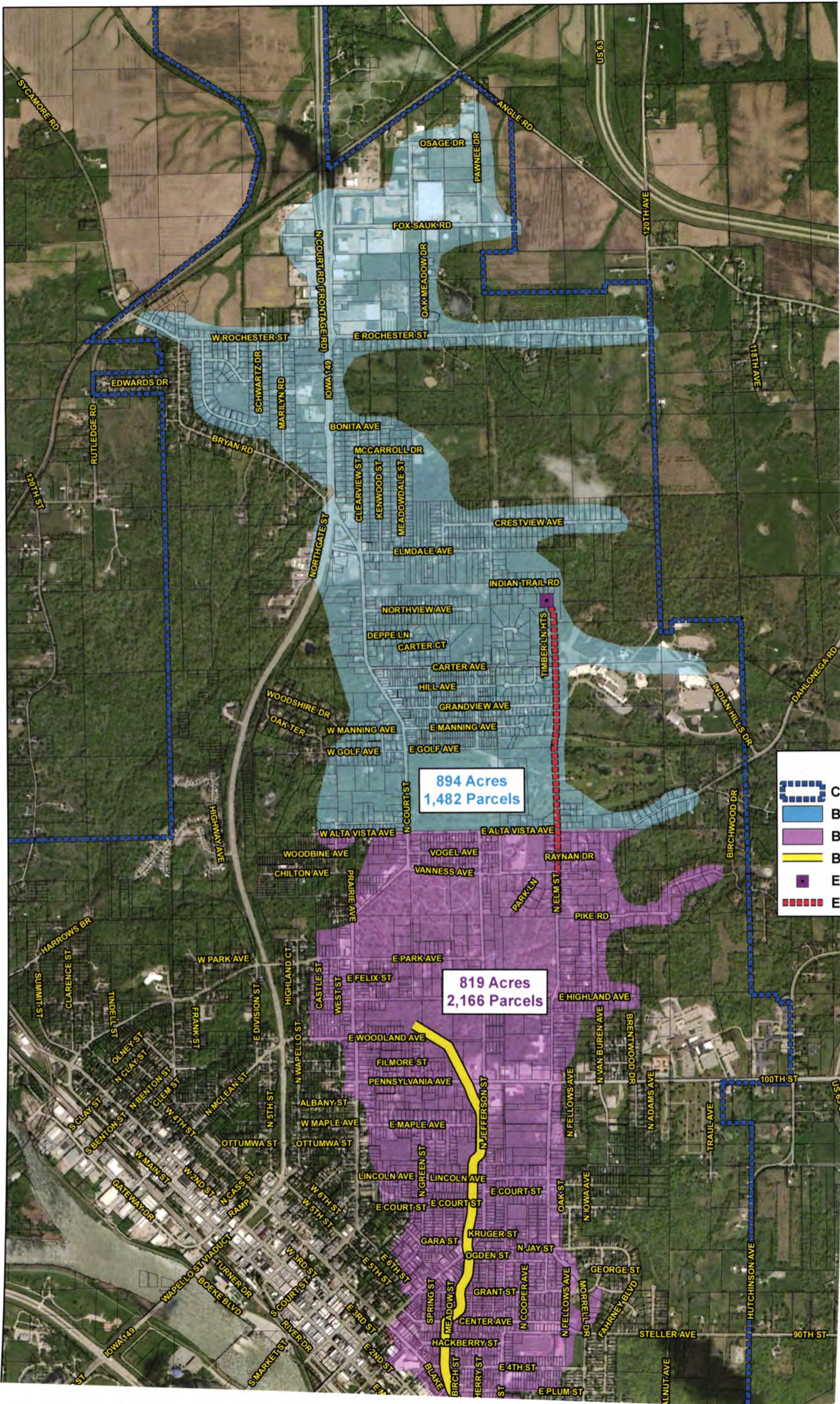
DIV 3B
166 ACRES

DIV 3A
71 ACRES

DIV 2
84 ACRES

DIV 1
76 ACRES





894 Acres
1,482 Parcels

819 Acres
2,166 Parcels

-  C
-  B
-  B
-  B
-  E
-  E

SYCAMORE RD

US 63

120TH ST

118TH AVE

100TH ST

90TH ST

OSAGE DR

PAWNEE DR

FOX SAUK RD

OAK MEADOW DR

W ROCHESTER ST

E ROCHESTER ST

EDWARDS DR

SCHWARTZ DR

MARILYN RD

BONITA AVE

N COURT RD (FRONTAGE RD)

691 W IOWA

BRYAN RD

MCCARROLL DR

CLEARVIEW ST

KENWOOD ST

MEADOWDALE ST

ELMDALE AVE

CRESTVIEW AVE

NORTHGATE ST

INDIAN TRAIL RD

NORTHVIEW AVE

DEPPE LN

CARTER CT

CARTER AVE

HILL AVE

GRANDVIEW AVE

E MANNING AVE

E GOLF AVE

WOODSHIRE DR

OAK TER

W MANNING AVE

W GOLF AVE

E GOLF AVE

W ALTA VISTA AVE

N COURT ST

WOODBINE AVE

CHILTON AVE

PRAIRIE AVE

E ALTA VISTA AVE

VOGEL AVE

VANNESS AVE

RAYNAN DR

PARK LN

N ELM ST

PIKE RD

WOODLAND AVE

FILMORE ST

PENNSYLVANIA AVE

E PARK AVE

E FELIX ST

E HIGHLAND AVE

W PARK AVE

E DIVISION ST

HIGHLAND CT

CASTLE ST

WEST ST

E WOODLAND AVE

E PARK AVE

WAPPELO ST VIA DUCT

W MAPLE AVE

E MAPLE AVE

W MAIN ST

W 2ND ST

N CASS ST

RAMP

W 6TH ST

W 5TH ST

W 3RD ST

E 5TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

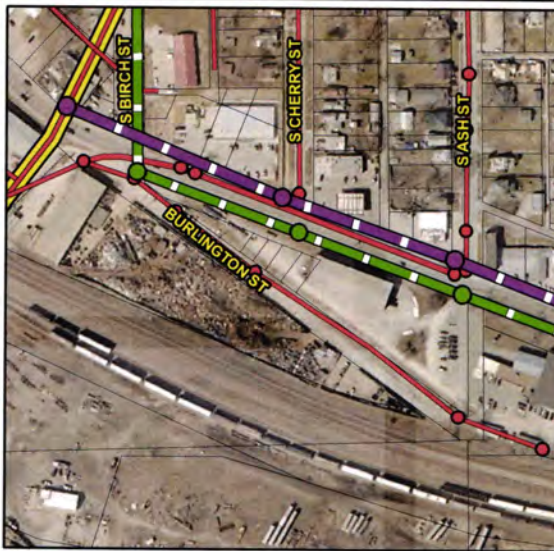
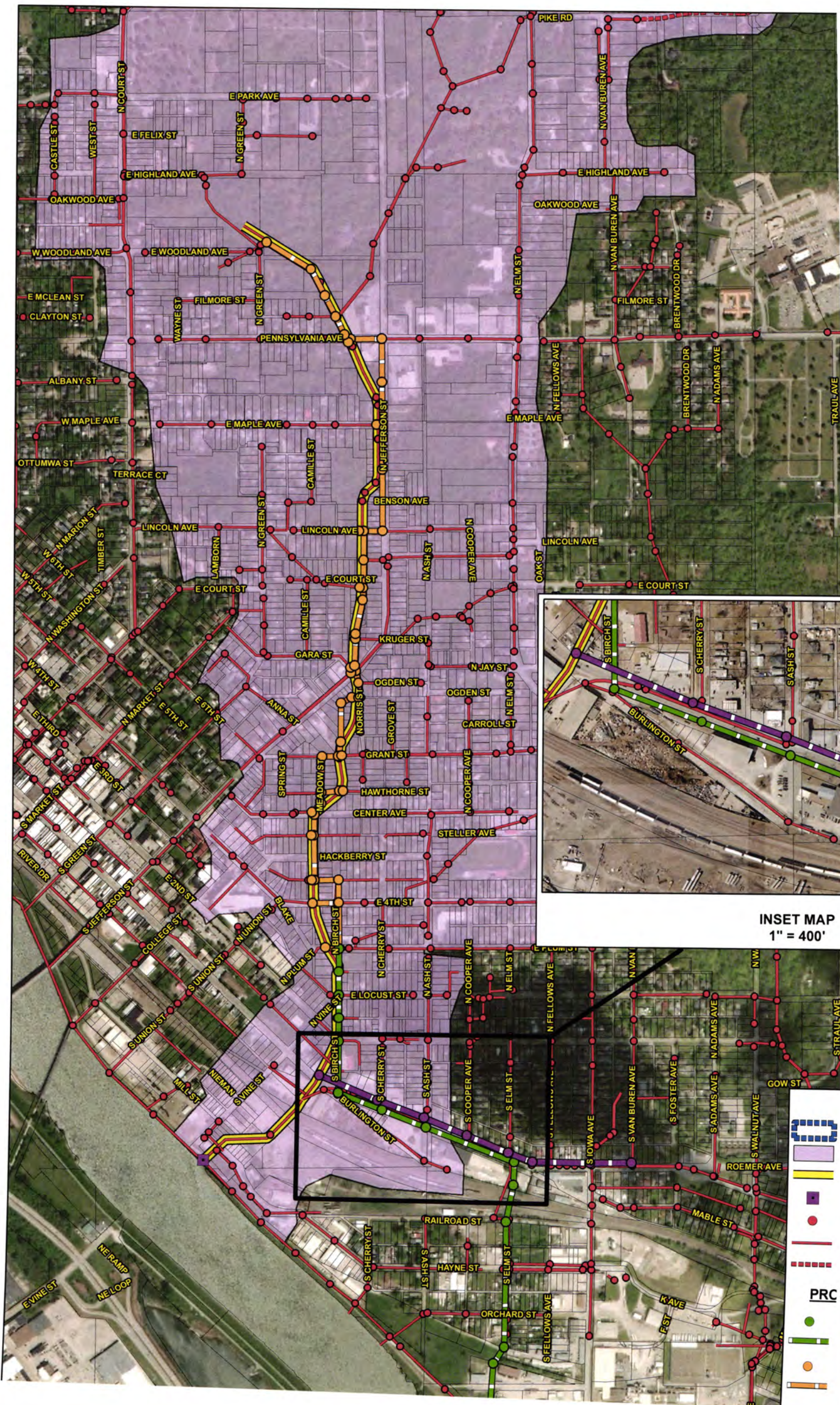
W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST

W 4TH ST



INSET MAP
1" = 400'

- PRC**
- 
 - 
 - 
 - 
 - 
 - 
 - 
 - 

Projects/Years	DESIGN		CONSTRUCTION		CONSTRUCT SVCS
	Main Stem	Side Sewers	Main Stem	Side Sewers	Per Year
Division 2 Phase 1 Plum to Center					
2020 - July 2024					
6255 LF Plum to Woodland	\$700,000		\$956,000 *		
13.3 Blocks/4,660 LF		\$515,000		\$4,256,000	
500 Days Resident Review/2 year					
240 Days Construction Manage/					
2 year					\$640,000
/ year					
PROJECT TOTAL	\$7,067,000				
Division 2 Phase 2					
Feb. 2023 - July 2026					
Center to Jefferson 1,225 LF			\$1,280,000		
14 Blocks/4,733 LF		\$505,000		\$5,045,000	
Construction Services/2 year					\$675,000
PROJECT TOTAL	\$7,505,000				
Division 3B Phase 1					
Feb. 2024 - July 2027					
Jefferson to Lincoln 1,130 LF			\$1,218,000		
10 Blocks/3,600 LF				\$3,709,000	
Design 10 Blocks		\$370,000			
Construction Services/2 year					\$695,000
PROJECT TOTAL	\$5,992,000				
Division 3B Phase 2					
Jefferson to Lincoln					
March 2025 - July 2028					
10 Blocks/3,600 LF Design		\$380,000			
10 Blocks/3,600 LF				\$3,820,000	
Construction Services/2 year					\$716,000
PROJECT TOTAL	\$4,916,000				

*Construct 1,180 LF Main Stem Sewer Plum to Center

Projects/Years	DESIGN		CONSTRUCTION		CONSTRUCT SVCS
	Main Stem	Side Sewers	Main Stem	Side Sewers	Per Year
DIVISION 3C					
Lincoln to Penn					
March 2027 to July 2030					
Main Stem 1,720 LF			\$2,027,000		
5.3 Blocks/1,852 LF				\$2,145,000	
Design 5.3 Blocks		\$215,000			
Construction Services/2 year					\$760,000
PROJECT TOTAL	\$5,147,000				
Division 3D					
Penn to Woodland					
March 2028 to July 2031					
Main Stem 1,000 LF			\$1,326,000		
.2 Block/56 LF				\$91,300	
Design .2 Block		\$10,000			
Construction Services/1 year					\$430,000
PROJECT TOTAL	\$1,857,300				

Projects/Years	DESIGN		CONSTRUCTION		CONSTRUCT SVCS
	Main Stem	Side Sewers	Main Stem	Side Sewers	Per Year
<u>Project Costs</u>					
Construction Costs					
6,255 LF Main Stem Sewer		\$6,807,000			
18,500 LF/55 Block Side Sewers		\$19,066,300			
		\$25,873,300			
10% Contingency		\$2,587,330			
		\$28,460,630			
<u>Design Costs</u>					
Main Stem Sewer @ 9%					
Construction		\$700,000			
Side Sewers 18,500 LF/55					
Blocks @ 9.5%		\$1,995,000			
		\$2,695,000			
<u>Construction Services</u>					
10 Construction Years		\$3,916,000			
2,500 Days Resident Review					
2,400 Days Construction Manage					
TOTAL ESTIMATE PROJECT COSTS		\$35,071,630			
PDL Design	\$3,100,000				
PDL Easement +					
Other	\$800,000				
Borrow SRF \$37,000,000 (See IUP Attachment)					

PIPER | SANDLER

Realize the power of partnership.

CSO Funding Discussion
City of Ottumwa, Iowa
January 10, 2020
Debt Limit Information

	FY20	FY21
Actual Valuation	1,030,739,721	1,041,083,102
X	0.05	0.05
Statutory Debt Limit:	51,536,986	52,054,155
Total General Obligation Debt:	22,165,000	22,165,000
Division 1 debt	12,155,000	12,155,000
Less 2020 Payments	-3,555,000	-3,555,000
Other Debt		
Total Debt Subject to Limit:	30,765,000	30,765,000
Percentage of Debt Limit Obligated:	59.69%	59.10%

What does a \$1M bond cost in tax rate (3%, FY21 valuation)?

20-year payoff							10-year payoff				
Fiscal year	Principal	Interest	P&I	Levy Rate	Valuation	Int Rate	Fiscal year	Principal	Interest	P&I	Levy Rate
6/1/21	37,217	30,000	67,217	0.10755	625,006	3.00%	6/1/21	87,231	30,000	117,231	0.18757
6/1/22	38,333	28,883	67,216	0.10755	625,006	3.00%	6/1/22	89,848	27,383	117,231	0.18757
6/1/23	39,483	27,734	67,217	0.10755	625,006	3.00%	6/1/23	92,543	24,688	117,231	0.18757
6/1/24	40,667	26,549	67,216	0.10754	625,006	3.00%	6/1/24	95,319	21,911	117,230	0.18757
6/1/25	41,887	25,329	67,216	0.10754	625,006	3.00%	6/1/25	98,179	19,052	117,231	0.18757
6/1/26	43,144	24,072	67,216	0.10755	625,006	3.00%	6/1/26	101,124	16,106	117,230	0.18757
6/1/27	44,438	22,778	67,216	0.10754	625,006	3.00%	6/1/27	104,158	13,073	117,231	0.18757
6/1/28	45,771	21,445	67,216	0.10754	625,006	3.00%	6/1/28	107,283	9,948	117,231	0.18757
6/1/29	47,144	20,072	67,216	0.10754	625,006	3.00%	6/1/29	110,501	6,729	117,230	0.18757
6/1/30	48,558	18,657	67,215	0.10754	625,006	3.00%	6/1/30	113,814	3,414	117,228	0.18756
6/1/31	50,015	17,201	67,216	0.10754	625,006	3.00%	6/1/31		0	0	
6/1/32	51,515	15,700	67,215	0.10754	625,006	3.00%	6/1/32		0	0	
6/1/33	53,060	14,155	67,215	0.10754	625,006	3.00%	6/1/33		0	0	
6/1/34	54,652	12,563	67,215	0.10754	625,006	3.00%	6/1/34		0	0	
6/1/35	56,292	10,923	67,215	0.10754	625,006	3.00%	6/1/35		0	0	
6/1/36	57,981	9,235	67,216	0.10754	625,006	3.00%	6/1/36		0	0	
6/1/37	59,720	7,495	67,215	0.10754	625,006	3.00%	6/1/37		0	0	
6/1/38	61,512	5,704	67,216	0.10754	625,006	3.00%	6/1/38		0	0	
6/1/39	63,357	3,858	67,215	0.10754	625,006	3.00%	6/1/39		0	0	
6/1/40	65,254	1,958	67,212	0.10754	625,006	3.00%	6/1/40		0	0	
Totals:	1,000,000	344,312	1,344,312				Totals:	1,000,000	172,305	1,172,305	

How does the Sources & Uses work?

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
base												
Uses of Funds												
Division 1 (non SRF)	4,420,000	4,420,000	4,420,000	0	0	0	0	0	0	0	0	0
Division 2	0	0	0	5,062,968	5,062,968	5,062,968	0	0	0	0	0	0
Division 3 A, B & C	0	0	0	0	0	0	6,422,011	6,422,011	6,422,011	0	0	0
Dision 3D	0	0	0	0	0	0	0	0	0	7,941,719	7,941,719	7,941,719
Mary Street CSO Sewer Separat	0	0	0	0	0	0	0	0	0	0	0	0
Harrow's Branch Sewer Separatic	0	0	0	0	0	0	0	0	0	0	0	0
Walnut/Barton's Branch/Orchard	0	0	0	0	0	0	0	0	0	0	0	0
Basin 11 Sewer Rehabilitation	0	0	0	0	0	0	0	0	0	0	0	0
Basin 12 Sewer Separation	0	0	0	0	0	0	0	0	0	0	0	0
Bond Reserve Fund	1,272,000											
SRF initiation fee				76,445			75,060			68,345		
Bond costs	183,050			25,000			25,000			25,000		
Total Uses of Funds	5,875,050	4,420,000	4,420,000	5,164,413	5,062,968	5,062,968	6,522,071	6,422,011	6,422,011	8,035,064	7,941,719	7,941,719
Sources of Funds												
Sewer Revenue Bonds	12,720,000			15,289,000			15,012,000			13,669,000		
Forgivable Sewer Revenue Bonds												
LOST Bonds	0			0								
LOST Surplus Cash												
Westgate TIF Bonds	0											
RUT Bonds	0											
Ottumwa Waterworks portion	2,000,000											
Airport TIF Bonds												
STAG Grant/CDBG/I-Jobs/FEMA												
Original Issue bond premium							3,500,000					2,500,000
Improvement Fund Balance							850,000			4,350,000		3,400,000
Sewer Cash on hand	0	0	0	0	0	0	0	0	0	0	0	0
Total Sources of Funds	14,720,000	0	0	15,289,000	0	0	19,362,000	0	0	18,019,000	0	5,900,000
Surplus of Sources over Uses	8,844,950	-4,420,000	-4,420,000	10,124,587	-5,062,968	-5,062,968	12,839,929	-6,422,011	-6,422,011	9,983,936	-7,941,719	-2,041,719
Cumulative surplus	8,844,950	4,424,950	4,950	10,129,537	5,066,568	3,600	12,843,528	6,421,517	-494	9,983,441	2,041,722	3

If we paid for all of the projects with sewer revenue (user rate) debt, what would it cost in rates?

Period Ending 6/30	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Income												
(1) Total Income	5,608,948	6,215,773	6,895,985	7,658,373	8,512,782	9,470,240	10,543,093	11,042,633	11,356,696	11,680,440	12,014,156	12,358,142
(2)												
Expenses												
(4) Additional Operating & Spot Repair	776,250	803,419	831,538	860,642	890,765	921,941	954,209	987,607	1,022,173	1,057,949	1,094,977	1,133,301
(5) Sewage Treatment	3,370,057	3,488,009	3,610,090	3,736,443	3,867,218	4,002,571	4,142,661	4,287,654	4,437,722	4,593,042	4,753,799	4,920,182
(6) Financing including depreciation	1,074,720	1,451,530	1,585,410	1,624,898	2,255,525	2,253,450	2,288,985	2,549,510	2,897,605	3,123,973	3,356,420	3,352,585
(7) Non bond capital	151,745	157,056	994,803	1,350,805	1,155,356	2,061,366	949,263	1,047,533	1,040,729	1,104,543	908,455	940,251
(8) Additional Sanitary System Mainten:	0	0	0	0	0	0	0	0	0	0	0	0
(9) CSO-UAA	0	0	0	0	0	0	0	0	0	0	0	0
(10) Manhole Const	0	0	0	0	0	0	0	0	0	0	0	0
(11) Storm Water Utility	0	0	0	0	0	0	0	0	0	0	0	0
(12) Catch Basin	0	0	0	0	0	0	0	0	0	0	0	0
(13) I&I annual allocation	0	0	0	0	0	0	0	0	0	0	0	0
(14) Project Expenses including manhole r	0	0	0	0	0	0	0	0	0	0	0	0
(17) Transfer to Plant Improvement Fund	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
(18)												
(19) Total Expenses	5,872,772	6,400,014	7,521,841	8,072,788	8,668,864	9,739,329	8,835,119	9,372,304	9,898,229	10,379,507	10,613,651	10,846,319
(20)												
(21) Net Income	-263,824	-184,241	-625,856	-414,415	-156,081	-269,089	1,707,975	1,670,330	1,458,466	1,300,933	1,400,505	1,511,823
(22)												
(23) Net Operating Income	-263,824	-184,241	-625,856	-414,415	-156,081	-269,089	1,707,975	1,670,330	1,458,466	1,300,933	1,400,505	1,511,823
(24) Operating Fund Ending cash balance	2,536,176	2,351,935	1,726,078	1,311,663	1,155,582	886,492	1,744,467	3,414,797	4,873,263	1,824,197	3,224,702	1,336,524
(25) Plant Improvement Fund Balance	500,000	1,000,000	1,500,000	2,000,000	2,500,000	3,000,000	0	500,000	1,000,000	1,500,000	2,000,000	0
(27) Revenue Increase	0.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	5.00%	3.00%	3.00%	3.00%	3.00%
(28) % of MHI (net of TIF and LOST)	1.22%	1.35%	1.50%	1.67%	1.85%	2.05%	2.27%	2.36%	2.41%	2.46%	2.50%	2.55%
(29) Bond Coverage	0.74	0.89	0.98	1.31	1.05	1.42	1.79	1.58	1.30	1.16	1.11	1.14
(30)												
(31) Estimated MHI	39,193	39,585	39,981	40,381	40,784	41,192	41,604	42,020	42,440	42,865	43,293	43,726
(32) Estimated monthly sewer bill	39.90	44.69	50.05	56.06	62.78	70.32	78.75	82.69	85.17	87.73	90.36	93.07
(33)												
(34) Estimated Increase in MHI per year:		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
(35)												
(36)												
(37)												
(38) Monthly rates												
(39) base rate	14.50	16.24	18.19	20.37	22.82	25.55	28.62	30.05	30.95	31.88	32.84	33.82
(40) gallonage	25.40	28.45	31.86	35.68	39.97	44.76	50.13	52.64	54.22	55.85	57.52	59.25
(41)												
(42)												
(43) Current Rates charged												
(44) base charge effective 7-1-13	14.50	16.24	18.19	20.37	22.82	25.55	28.62	30.05	30.95	31.88	32.84	33.82
(45) O&M rate (/100cf)	4.75	5.32	5.96	6.67	7.47	8.37	9.38	9.84	10.14	10.44	10.76	11.08

<https://datausa.io/profile/geo/ottumwa-ia>

If we did this, what is the impact on the street program in terms of LOST availability?

Fiscal Year	Total Principal	Total Interest	Less Streets	Property Tax Relief	LOST Obligations	LOST Revenues	Cumulative Surplus
2020	210,000	55,387	2,643,594	323,220	3,232,201	3,232,201	0
2021	215,000	51,566	2,671,505	326,452	3,264,523	3,264,523	0
2022	225,000	48,427	2,694,025	329,717	3,297,169	3,297,169	0
2023	230,000	43,090	2,724,036	333,014	3,330,140	3,330,140	0
2024	237,500	37,193	2,752,404	336,344	3,363,442	3,363,442	0
2025	0	0	3,057,368	339,708	3,397,076	3,397,076	0
2026	0	0	3,087,942	343,105	3,431,047	3,431,047	0
2027	0	0	3,118,822	346,536	3,465,357	3,465,357	0
2028	0	0	3,150,010	350,001	3,500,011	3,500,011	0
2029	0	0	3,181,510	353,501	3,535,011	3,535,011	0
2030	0	0	3,213,325	357,036	3,570,361	3,570,361	0
2031	0	0	3,245,458	360,606	3,606,065	3,606,065	0
2032	0	0	3,277,913	364,213	3,642,125	3,642,125	0
2033	0	0	3,310,692	367,855	3,678,547	3,678,547	0
2034	0	0	3,343,799	371,533	3,715,332	3,715,332	0
2035	0	0	3,377,237	375,249	3,752,485	3,752,485	0
2036	0	0	3,411,009	379,001	3,790,010	3,790,010	0
2037	0	0	3,445,119	382,791	3,827,910	3,827,910	0
2038	0	0	3,479,570	386,619	3,866,189	3,866,189	0
2039	0	0	3,514,366	390,485	3,904,851	3,904,851	0
2040	0	0	3,549,510	394,390	3,943,900	3,943,900	0
2041	0	0	3,585,005	398,334	3,983,339	3,983,339	0
2042	0	0	3,620,855	402,317	4,023,172	4,023,172	0
2043	0	0	3,657,064	406,340	4,063,404	4,063,404	0
2044	0	0	3,693,634	410,404	4,104,038	4,104,038	0
2045	0	0	3,730,571	414,508	4,145,078	4,145,078	0
2046	0	0	3,767,876	418,653	4,186,529	4,186,529	0
2047	0	0	3,805,555	422,839	4,228,394	4,228,394	0
2048	0	0	3,843,611	427,068	4,270,678	4,270,678	0
Totals:	1,117,500	235,663	95,953,384	10,811,839	108,118,386	108,118,386	

Can we use other revenues to help keep sewer rates lower?

Sources & Uses picture

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
hase												
Uses of Funds												
Division 1 (non SRF)	4,420,000	4,420,000	4,420,000	0	0	0	0	0	0	0	0	0
Division 2	0	0	0	5,062,968	5,062,968	5,062,968	0	0	0	0	0	0
Division 3 A, B & C	0	0	0	0	0	0	6,422,011	6,422,011	6,422,011	0	0	0
Dision 3D	0	0	0	0	0	0	0	0	0	7,941,719	7,941,719	7,941,719
Mary Street CSO Sewer Separat	0	0	0	0	0	0	0	0	0	0	0	0
Harrow's Branch Sewer Separati	0	0	0	0	0	0	0	0	0	0	0	0
Walnut/Barton's Branch/Orchard	0	0	0	0	0	0	0	0	0	0	0	0
Basin 11 Sewer Rehabilitation	0	0	0	0	0	0	0	0	0	0	0	0
Basin 12 Sewer Separation	0	0	0	0	0	0	0	0	0	0	0	0
SRF initiation fee				77,065			74,690			86,870		
Bond costs	183,050			25,000			25,000			25,000		
Total Uses of Funds	4,603,050	4,420,000	4,420,000	5,165,033	5,062,968	5,062,968	6,521,701	6,422,011	6,422,011	8,053,589	7,941,719	7,941,719
Sources of Funds												
Sewer Revenue Bonds				5,520,000			14,938,000			17,374,000		
Forgivable Sewer Revenue Bonds												
LOST Bonds	3,155,000			9,893,000								
LOST Surplus Cash												
Westgate TIF Bonds	5,000,000											
RUT Bonds	2,000,000											
Ottumwa Waterworks portion	2,000,000											
Airport TIF Bonds												
STAG Grant/CDBG/I-Jobs/FEMA												
Original Issue bond premium	1,160,935											
Improvement Fund Balance							3,500,000					2,500,000
Sewer Cash on hand	0	0	0	0	0	0	950,000	0	0	2,650,000	0	1,400,000
Total Sources of Funds	13,315,935	0	0	15,413,000	0	0	19,388,000	0	0	20,024,000	0	3,900,000
Surplus of Sources over Uses	8,712,885	-4,420,000	-4,420,000	10,247,967	-5,062,968	-5,062,968	12,866,299	-6,422,011	-6,422,011	11,970,411	-7,941,719	-4,041,719
Cumulative surplus	8,712,885	4,292,885	-127,116	10,120,851	5,057,883	-5,086	12,861,213	6,439,202	17,190	11,987,601	4,045,882	4,162

If we paid for all of the projects with a mix of LOST, TIF and sewer user rates, what would it cost in sewer (user) rates?

Period Ending 6/30	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Income												
(1) Total Income	5,608,948	6,012,386	6,448,532	6,919,994	7,429,588	7,980,356	8,575,580	9,218,807	9,913,868	10,382,556	10,677,336	10,981,217
(2)												
(3) Expenses												
(4) Additional Operating & Spot Repair	776,250	803,419	831,538	860,642	890,765	921,941	954,209	987,607	1,022,173	1,057,949	1,094,977	1,133,301
(5) Sewage Treatment	3,370,057	3,488,009	3,610,090	3,736,443	3,867,218	4,002,571	4,142,661	4,287,654	4,437,722	4,593,042	4,753,799	4,920,182
(6) Financing including depreciation	1,074,720	1,068,230	912,110	895,875	1,002,245	998,710	1,033,130	1,218,255	1,724,383	2,225,228	2,559,218	2,555,180
(7) Non bond capital	151,745	157,056	994,803	1,350,805	1,155,356	2,061,366	949,263	1,047,533	1,040,729	1,104,543	908,455	940,251
(14) Project Expenses including manhole r	0	0	0	0	0	0	0	0	0	0	0	0
(17) Transfer to Plant Improvement Fund	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000	500,000
(18)												
(19) Total Expenses	5,872,772	6,016,714	6,848,541	7,343,765	7,415,584	8,484,589	7,579,264	8,041,049	8,725,007	9,480,762	9,816,449	10,048,914
(20)												
(21) Net Income	-263,824	-4,329	-400,009	-423,771	14,005	-504,233	996,316	1,177,759	1,188,862	901,795	860,887	932,303
(22)												
(23) Net Operating Income	-263,824	-4,329	-400,009	-423,771	14,005	-504,233	996,316	1,177,759	1,188,862	901,795	860,887	932,303
(24) Operating Fund Ending cash balance	2,536,176	2,531,847	2,131,838	1,708,066	1,722,071	1,217,838	1,264,154	2,441,913	3,630,774	1,882,569	2,743,456	2,275,759
(25) Plant Improvement Fund Balance	500,000	1,000,000	1,500,000	2,000,000	2,500,000	3,000,000	0	500,000	1,000,000	1,500,000	2,000,000	0
(27) Revenue Increase	0.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	8.00%	5.00%	3.00%	3.00%
(28) % of MHI (net of TIF and LOST)	1.22%	1.31%	1.40%	1.49%	1.60%	1.71%	1.83%	1.95%	2.09%	2.17%	2.21%	2.26%
(29) Bond Coverage	0.74	1.10	1.73	2.15	2.28	2.74	3.05	2.55	1.79	1.28	1.14	1.16
(30)												
(31) Estimated MHI	39,193	39,585	39,981	40,381	40,784	41,192	41,604	42,020	42,440	42,865	43,293	43,726
(32) Estimated monthly sewer bill	39.90	43.09	46.54	50.26	54.28	58.63	63.32	68.38	73.85	77.54	79.87	82.27
(33)												
(34) Estimated Increase in MHI per year:		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
(35)												
(36)												
(37)												
(38) Monthly rates												
(39) base rate	14.50	15.66	16.91	18.27	19.73	21.31	23.01	24.85	26.84	28.18	29.03	29.90
(40) gallonage	25.40	27.43	29.63	32.00	34.56	37.32	40.31	43.53	47.01	49.36	50.84	52.37
(41)												
Current Rates charged												
base charge effective 7-1-13	14.50	15.66	16.91	18.27	19.73	21.31	23.01	24.85	26.84	28.18	29.03	29.90
O&M rate (/100cf)	4.75	5.13	5.54	5.98	6.46	6.98	7.54	8.14	8.79	9.23	9.51	9.79

<https://datausa.io/profile/geo/ottumwa-ia>

If we did this, what is the impact on the street program in terms of LOST availability?

Fiscal Year	Series D 12/30/13	Division 1 6/1/20	Division 2 6/1/23	Total Principal	Total Interest	Less ESRP	Property TaxRelief	LOST Obligations	LOST Revenues	Cumulative Surplus
2020	210,000			210,000	55,387	2,643,594	323,220	3,232,201	3,232,201	0
2021	215,000			215,000	177,766	2,545,305	326,452	3,264,523	3,264,523	0
2022	225,000	136,000		361,000	174,627	2,431,825	329,717	3,297,169	3,297,169	0
2023	230,000	135,000		365,000	163,850	2,468,276	333,014	3,330,140	3,330,140	0
2024	237,500	144,000		381,500	325,681	2,319,917	336,344	3,363,442	3,363,442	0
2025		183,000	348,000	531,000	282,728	2,243,641	339,708	3,397,076	3,397,076	0
2026		185,000	360,000	545,000	269,318	2,273,625	343,105	3,431,047	3,431,047	0
2027		194,000	364,000	558,000	255,618	2,305,204	346,536	3,465,357	3,465,357	0
2028		206,000	367,000	573,000	241,488	2,335,522	350,001	3,500,011	3,500,011	0
2029		215,000	372,000	587,000	226,825	2,367,685	353,501	3,535,011	3,535,011	0
2030		217,000	385,000	602,000	211,715	2,399,610	357,036	3,570,361	3,570,361	0
2031		229,000	389,000	618,000	196,298	2,431,161	360,606	3,606,065	3,606,065	0
2032		236,000	398,000	634,000	180,330	2,463,583	364,213	3,642,125	3,642,125	0
2033		243,000	407,000	650,000	163,925	2,496,767	367,855	3,678,547	3,678,547	0
2034		108,000	559,000	667,000	147,083	2,529,716	371,533	3,715,332	3,715,332	0
2035		110,000	571,000	681,000	132,980	2,563,257	375,249	3,752,485	3,752,485	0
2036		115,000	580,000	695,000	118,588	2,597,422	379,001	3,790,010	3,790,010	0
2037		115,000	595,000	710,000	103,838	2,631,282	382,791	3,827,910	3,827,910	0
2038		125,000	600,000	725,000	88,825	2,665,745	386,619	3,866,189	3,866,189	0
2039		128,000	613,000	741,000	73,325	2,700,041	390,485	3,904,851	3,904,851	0
2040		131,000	626,000	757,000	57,478	2,735,032	394,390	3,943,900	3,943,900	0
2041		0	773,000	773,000	41,283	2,770,722	398,334	3,983,339	3,983,339	0
2042		0	786,000	786,000	27,755	2,807,100	402,317	4,023,172	4,023,172	0
2043		0	800,000	800,000	14,000	2,843,064	406,340	4,063,404	4,063,404	0
2044				0	0	3,693,634	410,404	4,104,038	4,104,038	0
2045				0	0	3,730,571	414,508	4,145,078	4,145,078	0
2046				0	0	3,767,876	418,653	4,186,529	4,186,529	0
2047				0	0	3,805,555	422,839	4,228,394	4,228,394	0
2048				0	0	3,843,611	427,068	4,270,678	4,270,678	0
Totals:	1,117,500	3,155,000	9,893,000	14,165,500	3,730,706	79,410,342	10,811,839	108,118,386	108,118,386	