



Capital Improvement Plan 2016-2020

I-49 / 211th Street Interchange



The Capital Improvement Plan

The Capital Improvement Plan (CIP) is a separate budgeting process within the annual operating budget. The CIP procedure is used to plan, budget and finance the purchase and/or construction of large capital infrastructure, facilities, equipment and other capital assets. The City uses this process to ensure expensive, long-lived projects are aligned with its strategic direction and that the money is well spent.

Funding for capital projects can be obtained from any of the following sources:

Current General Fund Operating Revenues Cash is allocated from the General Fund to fund maintenance, technology and other small capital projects.

Water & Sewer and Solid Waste Revenue Bonds The Water & Sewer and Solid Waste funds are enterprise funds, which are supported by fees for service rather than by taxes. Revenue bonds are a type of loan in which the loan is repaid with revenues from the enterprise, not by contributions from the General Fund. These loans are used for projects related to plant capacity and modernizing the systems.

General Obligation (GO) Bonds This funding source is used to finance major capital projects with an expected life of 10 or more years. A general obligation bond is secured by the City's pledge to use legally available resources, including tax revenue, to repay bondholders. The City used a portion of the property tax levy to finance the debt service payments.

Neighborhood Improvement Districts These are a financing and development tool whereby cities can issue general obligation bonds for construction of public improvement and assess the cost to properties that benefit. The bonds are then retired through payment of special assessments by these benefiting properties.

Parks Sales Tax Fund This is funded by a voter approved 1/2 cent sales tax initiative. It is dedicated to parks and recreational facilities.

Water and Sewer Funds These are funded from fees associated with water and sanitary sewer charges respectively. It is dedicated to fund the operation, maintenance and capital improvement costs for the water and sewer system.

Road and Street Tax These are funded by the city share of county maintenance funding along with ½ cent sales tax.

Gasoline Tax These are funded by the city share of motor vehicle gas taxes.

Capital Improvement Tax These are funds derived from ½ cent sales tax funds.

Grants Funds may be granted from Federal, State or local sources, such as law enforcement sharing or transportation funding.

CIP Development Process

The CIP provides detailed information for all CIP projects that the City has planned for the 5 years displayed. The CIP is updated annually to make adjustments for changing capital needs, changes in availability and cost of funds, and to add a year of programming to replace the year just completed. The CIP process begins in June when all documents and financial tools are updated with current figures. Departments update current project descriptions and create new project descriptions for proposed projects. These descriptions include the following information: Project Name and Number, Fund, Department, Contact Person, Total Project Cost, Description, Justification, Expenditure Detail, Timeline Funding Sources, and Operation and Maintenance costs. Projects are then listed in the 5 year CIP or the unfunded/pending List. The Forecast Team examines the revenue forecast to see how the updated projects and proposed new projects impact the forecast. A debt service analysis is conducted and determines the final number of bond projects that can be financed within the five year period. New projects are included based upon debt capacity, operation and maintenance cost impacts.

The Administration Department then prepares the electronic and print version of the proposed CIP. Work sessions are held with the Board of Alderman to give the board an opportunity to study and evaluate the proposal. The CIP is then formally adopted by the Board of Alderman in September.

The 2014 total dollar amount for capital expenditures is \$29,608,955.

City of Peculiar, Missouri

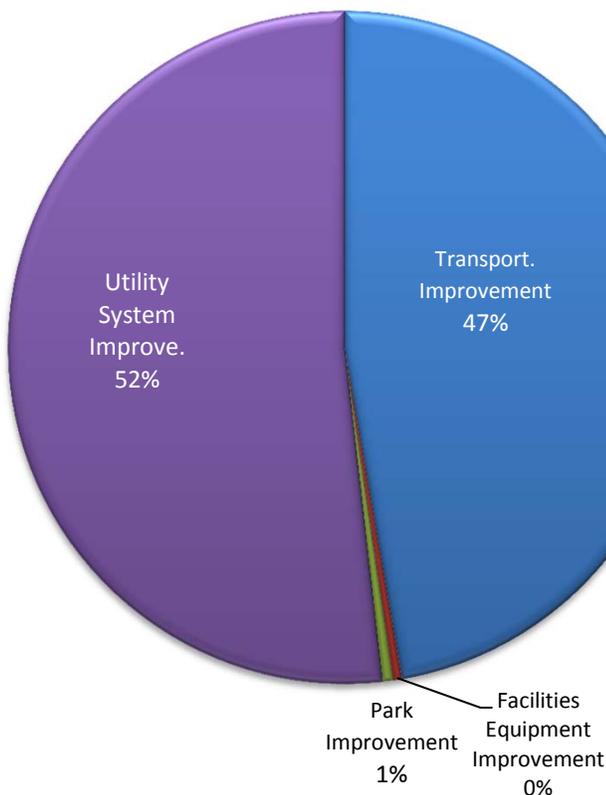
Capital Improvement Plan Projects

2016 - 2020

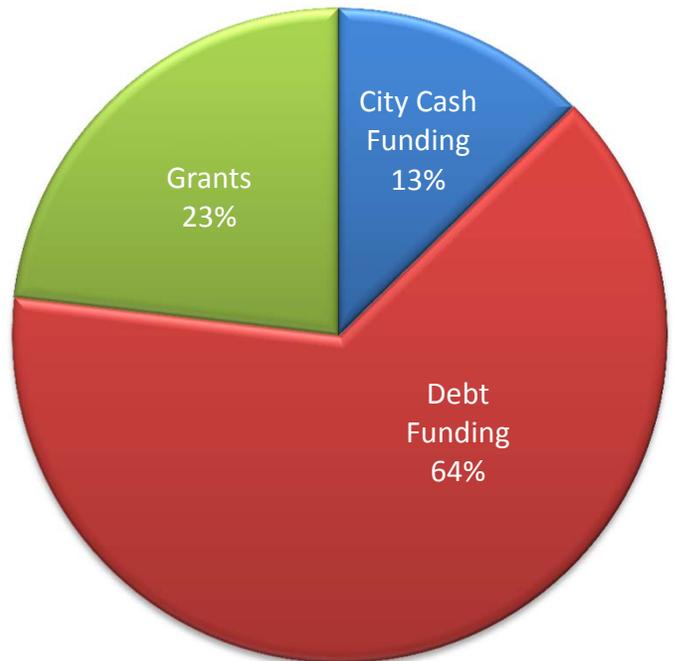
SUMMARY FUNDING SOURCES

Project Name	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
Transportation Improvement	\$ 12,616,969	\$ 1,113,700	\$ 160,000	\$ 60,000	\$ 60,000	\$ 14,010,669
Facilities/Equipment Improvement	122,000	-	-	-	-	122,000
Park Improvement	157,000	-	-	-	-	157,000
Utility System Improvement	1,444,513	3,239,944	9,837,829	340,000	492,000	15,354,286
	\$ 14,340,482	\$ 4,353,644	\$ 9,997,829	\$ 400,000	\$ 552,000	\$ 29,643,955
City Cash Funding	1,559,431	642,000	604,000	400,000	552,000	3,757,431
Debt Funding	5,922,890	3,711,644	9,393,829	-	-	19,028,363
Grants	6,858,161	-	-	-	-	6,858,161
TOTAL	\$ 14,340,482	\$ 4,353,644	\$ 9,997,829	\$ 400,000	\$ 552,000	\$ 29,643,955

2016-2020 Capital Expenditure by Category



2016-2020 Capital Funding Sources



City of Peculiar, Missouri
Capital Improvement Plan Projects
2016 thru 2020

Projects	Project Name	Account	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
TRANSPORTATION PROJECTS								
ST15-001	N. Main Overlay, Summerskill to Bradley's Cross.	30.30.8100	\$ 119,000	\$ -	\$ -	\$ -	\$ -	\$ 119,000
ST15-002	Glengera, Elm St to S of Low Water Bridge	30.30.8100	44,000	-	-	-	-	44,000
ST15-003	Shishir, Glengera to Hurley	30.30.8100	22,000	-	-	-	-	22,000
ST15-004	233 rd st. Dust Control	30.30.8100	12,000	-	-	-	-	12,000
ST15-006	1-49 & 211th Street Interchange	34-30-8100	9,906,511	-	-	-	-	9,906,511
ST15-007	211th Street	34-30-8100	1,900,585	-	-	-	-	1,900,585
ST15-008	School Rd. 211th to 203rd St.	21.25.8990	-	1,053,700	-	-	-	1,053,700
ST15-009	Asphalt Preventative	30.30.8100	48,900	30,000	30,000	30,000	30,000	168,900
ST15-010	Bridal Trail	30.30.8120	74,000	-	-	-	-	74,000
ST-16-001a	Curb and gutter	30.30.8120	-	30,000	30,000	30,000	30,000	120,000
ST16-001	School Road South Option 1	30-30-8100	100,000	-	-	-	-	100,000
ST16-002	Kayla Drive	30.30.8100	21,000	-	-	-	-	21,000
ST16-003	Harper Road	30.30.8100	85,000	-	-	-	-	85,000
ST16-004	Shadow Glenn, Phase 1	30.30.8100	45,000	-	-	-	-	45,000
st18-001	Harr Grove	30.30.8100	-	-	100,000	-	-	100,000
WA15-003A	Sidewalk, City Hall to C/J Hwy Bridge	30.30.8120	238,973	-	-	-	-	238,973
			12,616,969	1,113,700	160,000	60,000	60,000	14,010,669
FACILITY/EQUIPMENT IMPROVEMENTS								
m15-001	Peculiar Monument Sign	30.30.8130	100,000	-	-	-	-	100,000
st16-005	Roller Attachment	various	11,000	-	-	-	-	11,000
st16-006	Flail Mower	various	11,000	-	-	-	-	11,000
			122,000	-	-	-	-	122,000
PARK IMPROVEMENT								
	Raisbeck Phase 1 Park Renovaation	20.20.8040	157,000	-	-	-	-	157,000
UTILITY SYSTEM IMPROVEMENTS								
<i>Water</i>								
WA15-002	Kansas City Water Supply 12" Trans. Main	50.50.8300	250,000	2,630,004	1,005,057	-	-	3,885,061
WA15-003	Peculiar Drive North to Hurly	50.50.8300	562,513	-	-	-	-	562,513
wa15-004	Spencer Addition	50-50-8300	-	327,940	-	-	-	327,940
wa15-005	Harr Grove	50-50-8300	-	-	259,059	-	-	259,059
wa15-006	Water Supply Valve Engineering	50-50-8300	74,000	-	-	-	-	74,000
wa16-001	Windmill Meter Relocation	50-50-8300	50,000	-	-	-	-	50,000
WA16-002	F350 Replacement (2004)	50.50.8210	-	-	35,500	-	-	35,500
wa16-003	Water Storage Tank Maintenance		-	60,000	60,000	60,000	60,000	240,000
wa20-001	VFD Pump		-	-	-	-	30,000	30,000
wa20-002	water storage inspection		-	-	-	-	15,000	15,000
PA18-001	F350 Replacement (2008)	50.50.8210	-	-	35,500	-	-	35,500
			936,513	3,017,944	1,395,116	60,000	105,000	5,514,573
<i>Sewer</i>								
SE15-001	Line E06-005 to E06-012 Repair	51.51.8310	24,000	-	-	-	-	24,000
SE15-002	Clarifier Basin Covers	51.51.8310	25,000	-	-	-	-	25,000
SE15-003	Spencer Addition Sewer Line Upgrade	51.51.8310	51,000	-	50,000	-	50,000	151,000
SE15-004	Sewer Trenchless Liner Yearly	51.51.7320	37,000	25,000	25,000	25,000	25,000	137,000
se15-006	Sewer Main Jetting & CCTV	51.51.7320	30,000	30,000	30,000	30,000	30,000	150,000
SE16-001	Generator for WWTP headwork's facility	51.51.8310	25,000	-	-	-	-	25,000
SE16-002	Private Sector I/I Removal	51.51.8310	33,000	-	25,000	25,000	100,000	183,000
SE16-003	Manhole Rehab Phase 1	51.51.8310	68,000	-	63,000	63,000	-	194,000
se16-004	Phase 2 sewer assessments	51.51.8310	75,000	75,000	75,000	75,000	-	300,000
se16-005	WWTP Aeration Basin	51.51.8310	100,000	-	-	-	-	100,000
F15-001	WasteWater Treatment Plant Roof	51.51.8310	40,000	-	-	-	-	40,000
SE17-001	Generator for RV Park lift station	51.51.8310	-	25,000	-	-	-	25,000
SE17-002	Manhole Rehab Phase 2	51.51.8310	-	67,000	-	62,000	62,000	191,000
SE18-001	Garage Addition WWTP	51.51.8310	-	-	45,000	-	-	45,000
SE18-002	Phase 1 Sewer Relief	51.51.8310	-	-	2,495,221	-	-	2,495,221
SE18-003	Phase 2 Relief Sewer	51.51.8310	-	-	1,848,879	-	-	1,848,879
se18-004	Phase 3 relief sewer		-	-	1,627,082	-	-	1,627,082
se18-005	Phase 4 relief sewer		-	-	1,116,535	-	-	1,116,535
se18-006	Phase 5 relief sewer		-	-	1,041,996	-	-	1,041,996
SE19-001	Sludge Truck Replacement	51.51.8310	-	-	-	-	120,000	120,000
			508,000	222,000	8,442,713	280,000	387,000	9,839,713
			14,340,482	4,353,644	9,997,829	400,000	552,000	29,643,955

Transportation Improvement

PROJECT NAME: N. Main Overlay
PROJECT NO: ST 15-001



FUND: Capital Improvement Fund
DEPARTMENT: Public Works
 Project Contact: Nick Jacobs
 Category: Street

Total Project Cost: \$ 119,000.00

PROJECT DESCRIPTION:
 Mill and Overlay from Summerskill to Bradley's Crossing

NEED, JUSTIFICATION, BENEFIT:
 Road needs serious maintenance

TIME-LINE/CURRENT STATUS:
 Spring-Fall 2015

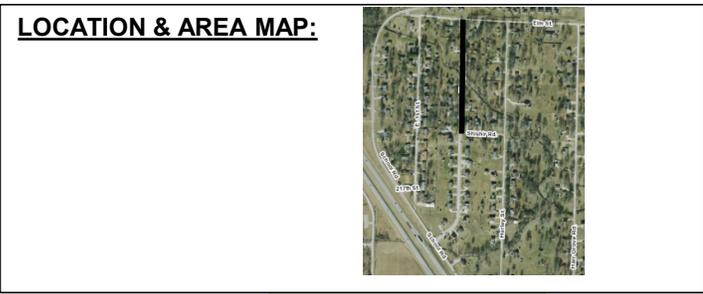
Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	119,000.00					119,000.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	119,000.00	-	-	-	-	119,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:	119,000					119,000
Grants						-
Other:						-
Total	119,000	-	-	-	-	119,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 Asphalt rejuvenation in two years

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance		7,000.00				7,000.00
Total	-	7,000.00	-	-	-	7,000.00

PROJECT NAME: Glengera
PROJECT NO: ST 15-002



FUND: Capital Improvement Fund
DEPARTMENT: Public Works
 Project Contact: Nick Jacobs
 Category: Street

Total Project Cost: \$ 44,000.00

PROJECT DESCRIPTION:
 Asphalt Overlaying Elm St to South to Shishir

NEED, JUSTIFICATION, BENEFIT:
 Road is severely broken and needs repair

TIME-LINE/CURRENT STATUS:
 Spring-Fall 2015

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	44,000.00					44,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	44,000.00	-	-	-	-	44,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:	44,000					44,000
Grants						-
Other:						-
						-
						-
Total	44,000	-	-	-	-	44,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 Asphalt rejuvenation in two years

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance			3,000.00			3,000.00
						-
Total	-	-	3,000.00	-	-	3,000.00

PROJECT NAME: Shishir
PROJECT NO: ST 15-003



FUND: Capital Improvement Fund
DEPARTMENT: Public Works
 Project Contact: Nick Jacobs
 Category: Street

Total Project Cost: \$ 22,000.00

PROJECT DESCRIPTION:
 Asphalt Overlay from Glengera to Hurley

NEED, JUSTIFICATION, BENEFIT:
 Road needs repair

TIME-LINE/CURRENT STATUS:
 Spring-Fall 2015

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	22,000.00					22,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	22,000.00	-	-	-	-	22,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Other:						-
Capital Improvement Fund	22,000					22,000
						-
						-
Total	22,000	-	-	-	-	22,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 Asphalt Rejuvenation in two years

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance			1,500.00			1,500.00
						-
Total	-	-	1,500.00	-	-	1,500.00

PROJECT NAME:	233rd Street Dust Control
PROJECT NO:	ST 15-004



FUND:	Capital Improvement Fund
DEPARTMENT:	Public Works
Project Contact:	Nick Jacobs
Category:	Street

Total Project Cost: \$ 36,000.00

PROJECT DESCRIPTION:
Asphalt millings and Reclamite on 233rd Street, C Hwy to east city limits.

NEED, JUSTIFICATION, BENEFIT:
To control dust and hold road together

TIME-LINE/CURRENT STATUS:
Fall 2015

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	12,000.00					12,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	12,000.00	-	-	-	-	12,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Capital Improvement Fund	12,000					12,000
						-
						-
Total	12,000	-	-	-	-	12,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
Yearly maintenance

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance			12,000.00		12,000.00	24,000.00
						-
Total	-	-	12,000.00	-	12,000.00	24,000.00

PROJECT NAME:	I-49 & 211th Street Interchange
PROJECT NO:	ST 15-006



FUND:	Capital Improvement Fund
DEPARTMENT:	Public Works
Project Contact:	Carl Brooks
Category:	Street

Total Project Cost: \$ 11,516,320.98

PROJECT DESCRIPTION:
Install interchange at the intersection of I-49 and 211th street.

NEED, JUSTIFICATION, BENEFIT:
Create a more suitable option for people entering and exiting the city. Also an interchange promotes new business and overall growth

TIME-LINE/CURRENT STATUS:
Design

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
\$ 94,950.24	Feasibility Study						\$ -
\$ 1,393,439.56	Preliminary Engineering (Consultant)						\$ -
\$ 121,420.10	Preliminary Engineering (Commission)						\$ -
	Right of Way Acquisition	\$ 555,152.00					\$ 555,152.00
	Right of Way Incidentals	\$ 45,273.57					\$ 45,273.57
	Utility Relocation	\$ 373,527.99					\$ 373,527.99
	Construction	\$ 8,195,006.90					\$ 8,195,006.90
	Construction Contingency (2%)	\$ 163,900.14					\$ 163,900.14
	Construction Inspection (Consultant)	\$ -					\$ -
	Construction Engineering (Commission) 7%	\$ 573,650.48					\$ 573,650.48
	Inflation (3%/yr. - 0 yr. R/W & Utilities 0 yr. Construction)	-					\$ -
Total	Total	9,906,511.08	-	-	-	-	9,906,511.08

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						\$ -
Cost Share Grant	\$ 5,758,160.49					\$ 5,758,160.49
Other: G.O.. Bonds	\$ 4,148,350.00					\$ 4,148,350.00
City PE Deposit	\$ -					\$ -
AJR Credit	\$ -					\$ -
City R/W and Utility Deposit	\$ -					\$ -
Total	\$ 9,906,510.49	-	-	-	-	\$ 9,906,510.49

Excess City Funds

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2016	2017	2018	2019	Total
Maintenance	-	-	-	-	-	-
Total	-	-	-	-	-	-

PROJECT NAME:	211th Street
PROJECT NO:	ST 15-007



FUND:	Capital Improvement Fund
DEPARTMENT:	Public Works
Project Contact:	Carl Brooks
Category:	Street

Total Project Cost: \$ 2,096,580.55

PROJECT DESCRIPTION:

NEED, JUSTIFICATION, BENEFIT:

TIME-LINE/CURRENT STATUS:
Design

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
\$ -	Feasibility Study						\$ -
\$ 175,691.64	Preliminary Engineering (Consultant)						\$ -
\$ 20,303.67	Preliminary Engineering (Commission)						\$ -
	Right of Way Acquisition	\$ 56,987.00					\$ 56,987.00
	Right of Way Incidentals	27,714.24					\$ 27,714.24
	Utility Relocation	682,604.66					\$ 682,604.66
	Construction	1,039,705.82					\$ 1,039,705.82
	Construction Contingency (2%)	20,794.12					\$ 20,794.12
	Construction Inspection (Consultant)	-					\$ -
	Construction Engineering (Commission)						\$ -
	7%	72,779.41					\$ 72,779.41
	Inflation (3%/yr. - 0 yr. R/W & Utilities 0 yr. Construction)	-					\$ -
Total	Total	1,900,585.25	-	-	-	-	1,900,585.25

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						\$ -
AJR Credit	\$ -					\$ -
City PE Deposit						\$ -
City R/W and Utility Deposit	\$ 14,158.35					\$ 14,158.35
STP Funds	\$ 1,100,000.00					\$ 1,100,000.00
City Construction Deposit (G.O. Bonds)	\$ 786,426.90					\$ 786,426.90
Total	\$ 1,900,585.25	-	-	-	-	\$ 1,900,585.25

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2016	2017	2018	2019	Total
Maintenance	-	-	-	-	-	-
Total	-	-	-	-	-	-

PROJECT NAME: School Road, from 211th street to 203rd
PROJECT NO: ST 15-008

LOCATION & AREA MAP:



FUND: Capital Improvement Fund
DEPARTMENT: Public Works
 Project Contact: Nick Jacobs
 Category: Street

Total Project Cost: \$ 1,053,700.00

PROJECT DESCRIPTION:
 School road from 211th to 203rd St, Curb and Gutter, Sidewalk, 3 lanes

NEED, JUSTIFICATION, BENEFIT:
 Safety, turn lanes at intersections, and school campus, driveways improvements. City is splitting 50% of the construction cost with the county.

TIME-LINE/CURRENT STATUS:
 Design

Prior:	Expenditures	2015	2016	2017	2018	2019	Total
	Construction			1,053,700.00			1,053,700.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	-	-	1,053,700.00	-	-	1,053,700.00

Funding Sources	2015	2016	2017	2018	2019	Total
City Fund:	-	-	300,000			300,000
Grants						-
Other: GO bonds			753,700			753,700
						-
						-
Total	-	-	1,053,700	-	-	1,053,700

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2015	2016	2017	2018	2019	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME: Asphalt Preventative Maintenance
PROJECT NO: ST 15-009

LOCATION & AREA MAP:

FUND: Capital Improvement Fund
DEPARTMENT: Public Works
 Project Contact: Nick Jacobs
 Category: Street

Total Project Cost: \$ 168,900.00

PROJECT DESCRIPTION:
 Maintenance to asphalt

NEED, JUSTIFICATION, BENEFIT:
 To keep roads in healthy condition and prevent future problems through proper maintenance of current streets

TIME-LINE/CURRENT STATUS:
 Design

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	48,900.00	30,000.00	30,000.00	30,000.00	30,000.00	168,900.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	48,900.00	30,000.00	30,000.00	30,000.00	30,000.00	168,900.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund: CIP						
Fund30	48,900.00	30,000.00	30,000.00	30,000.00	30,000.00	168,900.00
Grants						-
Other:						-
Total	48,900	30,000	30,000	30,000	30,000	168,900

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	48,900.00	30,000.00	30,000.00	30,000.00	30,000.00	168,900.00
Total	48,900.00	30,000.00	30,000.00	30,000.00	30,000.00	168,900.00

PROJECT NAME:	Bridal Trail
PROJECT NO:	ST 15-010



FUND:	Capital Improvement Fund
DEPARTMENT:	Public Works
Project Contact:	Nick Jacobs
Category:	Street

Total Project Cost: \$ 195,000.00

PROJECT DESCRIPTION:
yearly funds to Maintain and replace curb and gutter

NEED, JUSTIFICATION, BENEFIT:
City is experiencing large curb and gutter deterioration and in need of maintenance and upgrades throughout

TIME-LINE/CURRENT STATUS:

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	74,000.00					74,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	74,000.00	-	-	-	-	74,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund: CIP Fund 30	74,000.00					74,000.00
Grants						-
Other:						-
Total	74,000	-	-	-	-	74,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2016	2017	2018	2019	Total
Maintenance	191,000.00	30,000.00	30,000.00	30,000.00	30,000.00	311,000.00
Total	191,000.00	30,000.00	30,000.00	30,000.00	30,000.00	311,000.00

PROJECT NAME: School Road South Phase 1
PROJECT NO: ST 16-001

LOCATION & AREA MAP:



FUND: Capital Improvement Fund
DEPARTMENT: Public Works
 Project Contact: Nick Jacobs
 Category: Street

Total Project Cost: \$ 100,000.00

PROJECT DESCRIPTION:
 Asphalt Overlaying School Road from 211th Street to the bridge south of Elm Street approximately 3,200 feet

NEED, JUSTIFICATION, BENEFIT:
 Road is severely broken and needs repair

TIME-LINE/CURRENT STATUS:
 Spring-Fall 2016

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	100,000.00					100,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	100,000.00	-	-	-	-	100,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:	100,000					100,000
Grants						-
Other:						-
Total	100,000	-	-	-	-	100,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 Asphalt rejuvenation in two years

Budget Impact	2016	2016	2017	2018	2019	Total
Maintenance				6,000.00		6,000.00
Total	-	-	-	6,000.00	-	6,000.00

PROJECT NAME: Kayla Drive
PROJECT NO: ST 16-002

LOCATION & AREA MAP:



FUND: Capital Improvement Fund
DEPARTMENT: Public Works
 Project Contact: Nick Jacobs
 Category: Street

Total Project Cost: \$ 21,000.00

PROJECT DESCRIPTION:
 Asphalt Overlaying Kayla Drive from Harr-Grove Road to Live Oak Circle approximately 700 feet

NEED, JUSTIFICATION, BENEFIT:
 Road is severely broken and needs repair

TIME-LINE/CURRENT STATUS:
 Spring-Fall 2016

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	21,000.00					21,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	21,000.00	-	-	-	-	21,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:	21,000					21,000
Grants						-
Other:						-
Total	21,000	-	-	-	-	21,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 Asphalt rejuvenation in two years

Budget Impact	2016	2016	2017	2018	2019	Total
Maintenance				3,000.00		3,000.00
Total	-	-	-	3,000.00	-	3,000.00

PROJECT NAME: Harper Road North
PROJECT NO: ST 16-003

LOCATION & AREA MAP:



FUND: Capital Improvement Fund
DEPARTMENT: Public Works
 Project Contact: Nick Jacobs
 Category: Street

Total Project Cost: \$ 85,000.00

PROJECT DESCRIPTION:
 Asphalt Overlaying Harper Road from Peculiar Drive to 211th Street approximately 2775 feet

NEED, JUSTIFICATION, BENEFIT:
 Road is severely broken and needs repair

TIME-LINE/CURRENT STATUS:
 Spring-Fall 2016

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	85,000.00					85,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	85,000.00	-	-	-	-	85,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:	85,000					85,000
Grants						-
Other:						-
Total	85,000	-	-	-	-	85,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 Asphalt rejuvenation in two years

Budget Impact	2016	2016	2017	2018	2019	Total
Maintenance				5,000.00		5,000.00
Total	-	-	-	5,000.00	-	5,000.00

PROJECT NAME: Shadow Glenn Phase 1
PROJECT NO: ST 16-004

LOCATION & AREA MAP:



FUND: Capital Improvement Fund
DEPARTMENT: Public Works
 Project Contact: Nick Jacobs
 Category: Street

Total Project Cost: \$ 45,000.00

PROJECT DESCRIPTION:
 Asphalt Overlaying all roads in Shadow Glenn Phase 1 approximately 1450 feet.

NEED, JUSTIFICATION, BENEFIT:
 Road is severely broken and needs repair

TIME-LINE/CURRENT STATUS:
 Spring-Fall 2016

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	45,000.00					45,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	45,000.00	-	-	-	-	45,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:	45,000					45,000
Grants						-
Other:						-
Total	45,000	-	-	-	-	45,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 Asphalt rejuvenation in two years

Budget Impact	2016	2016	2017	2018	2019	Total
Maintenance				3,000.00		3,000.00
Total	-	-	-	3,000.00	-	3,000.00

PROJECT NAME:	Harr Grove
PROJECT NO:	ST 18-001

LOCATION & AREA MAP:



FUND:	Capital Improvement Fund
DEPARTMENT:	Public Works
Project Contact:	Nick Jacobs
Category:	Street

Total Project Cost: \$ 100,000.00

PROJECT DESCRIPTION:
Overlay Harr Grove; cost is estimated

NEED, JUSTIFICATION, BENEFIT:
Current surface is deteriorating

TIME-LINE/CURRENT STATUS:
Coordinate with Harr-Grove water main project

Prior:	Expenditures	2015	2016	2017	2018	2019	Total
	Construction	-			100,000.00		100,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	-	-	-	100,000.00	-	100,000.00

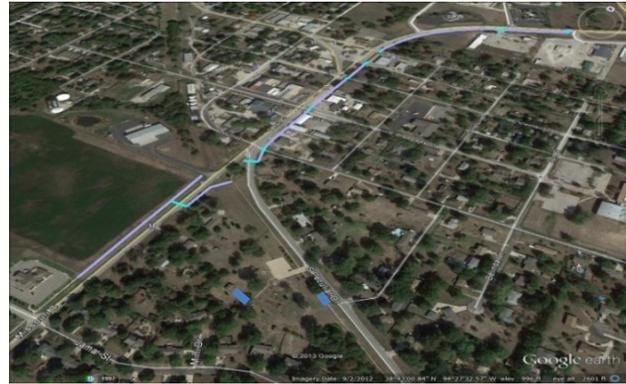
Funding Sources	2015	2016	2017	2018	2019	Total
City Fund: CIP Fund 30				100,000		100,000
Grants						-
Other:						-
Total	-	-	-	100,000	-	100,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2015	2016	2017	2018	2019	Total
Maintenance				100,000		100,000.00
Total	-	-	-	100,000.00	-	100,000.00

PROJECT NAME: Sidewalk, City Hall to C/J Hwy Bridge
PROJECT NO: WA 15-003A

LOCATION & AREA MAP:



FUND: See below
DEPARTMENT: Public Works Water Division
 Project Contact: Nick Jacobs
 Category: Sidewalk
Total Project Cost: \$ 245,784.00

PROJECT DESCRIPTION:
 Install a 5'-0" wide sidewalk from City Hall to C/J Hwy Bridge.

NEED, JUSTIFICATION, BENEFIT:
 To provide pedestrian connectivity along C Hwy/Main Street from City Hall to C/J Hwy bridge.

TIME-LINE/CURRENT STATUS:
 Engineering Phase and Construction FY 2014-2015.

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
41811	Engineering						41,811.00
Total	Construction	225,853.00					225,853.00
	Appraisals	9,600.00					9,600.00
	Easements Offers	3,520.00					3,520.00
	Total	238,973.00	-	-	-	-	280,784.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund Capital	146,184					146,184
City Fund Streets	10,000					10,000
Grants	70,000					70,000
Other: Park Fund	4,000					4,000
2013 water bond	51,600					51,600
Total	281,784	-	-	-	-	281,784

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 \$4,000 has been identified in the 2015 Park Fund Capital Equipment operating budget for this one-time purchase. \$41,000 has been identified in the 2015 Capital Fund operating budget for this one-time purchase. \$70,000 has been identified as a grant from MoDOT for this one-time gift.

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	-	-	-	-	-	-
Total	-	-	-	-	-	-

Facilities/Equipment Improvement

PROJECT NAME: Peculiar Monument Sign
PROJECT NO: M 15-001

LOCATION & AREA MAP:



FUND: 30
DEPARTMENT: Public Works
 Project Contact: Carl Brooks
 Category: 80/20 Grant

Total Project Cost: \$ 115,000.00

PROJECT DESCRIPTION:
 Install monument sign to "welcome" those entering the city to see.

NEED, JUSTIFICATION, BENEFIT:
 To promote the city and to welcome guest entering and exiting the city. The city received an 80/20 grant for the design and

TIME-LINE/CURRENT STATUS:

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
15000	Construction	100,000.00					100,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	100,000.00	-	-	-	-	100,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund: 30	23,000					23,000
Grants	92,000					92,000
Other:						-
						-
						-
Total	115,000	-	-	-	-	115,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME:	Roller attachment for Skid Steer
PROJECT NO:	ST 16-005



FUND:	Capital Improvement Fund
DEPARTMENT:	Public Works
Project Contact:	Nick Jacobs
Category:	Street

Total Project Cost: \$ 11,000.00

PROJECT DESCRIPTION:
Purchase a 2300 lb roller attachment for the Skid loader for asphalt patching and trail building

NEED, JUSTIFICATION, BENEFIT:
give the ability to properly compact asphalt patches and compact surface and base for trails.

TIME-LINE/CURRENT STATUS:
Fall 2015

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	11,000.00					11,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	11,000.00	-	-	-	-	11,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund: Street CIP fund	6,600					6,600
Water 50-50-5720	1,100					1,100
Parks 20-20-7000	3,300					3,300
						-
						-
Total	11,000	-	-	-	-	11,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
none

Budget Impact	2016	2016	2017	2018	2019	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME: Flail Mower for Mini Excavator
PROJECT NO: ST 16-006



FUND: Capital Improvement Fund
DEPARTMENT: Public Works
 Project Contact: Nick Jacobs
 Category: Street

Total Project Cost: \$ 11,000.00

PROJECT DESCRIPTION:
 Purchase a flail mower attachment for the Mini Excavator

NEED, JUSTIFICATION, BENEFIT:
 allow city staff to maintain steep banks around wastewater basins, roadside ditches, and around City Lake

TIME-LINE/CURRENT STATUS:
 Fall 2015

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	11,000.00					11,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	11,000.00	-	-	-	-	11,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund: 20%						
Sewer 51-51-5730	2,200					2,200
CIP	7,700					7,700
Parks 20-20-7000	1,100					1,100
						-
						-
Total	11,000	-	-	-	-	11,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 none

Budget Impact	2016	2016	2017	2018	2019	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

Utility System Improvement – Water

PROJECT NAME:	Kansas City Supply Water Transmission Main
PROJECT NO:	WA 15-002

LOCATION & AREA MAP:



Check

FUND:	Refinance of 2011 Sewer bonds, and issuance of \$4.0M water bond in 2016
DEPARTMENT:	Public Works Water Division
Project Contact:	David Shrout
Category:	Water Supply Transmission
Total Project Cost:	\$ 3,885,061.00

PROJECT DESCRIPTION:
 Installation of 26,200 linear feet of a 12" PVC transmission main with all associated valves, hydrants, and other appurtenances. There is one highway crossing, 26 driveway crossings, one parking lot crossing, and one stream crossing. A new master meter and telemetry are required to monitor flow from the provider into the City's distribution system. A Kansas City connection fee of \$820,000 is included in the total cost of the project.

To reach a connection point adjacent to the Raymore elevated tank would require approximately 5 miles of main to be installed north of Peculiar along Hwy J. On the south end of the new service transmission main the city can be connected at two locations: on Hwy J just east of I-49 to an existing water line at Branic Road. The second would connect to a proposed main that will be relocated in preparation of the new 211th street interchange.

NEED, JUSTIFICATION, BENEFIT:
 To provide adequate future water supply and lower long term costs for the customers.

TIME-LINE/CURRENT STATUS:
 Engineering Design Phase FY 2014-2015, Construction FY 2016-2017.

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
0	Construction		2,100,000.00	832,150.00			2,932,150.00
	ROW Acquisition w/ contingency	50,000.00	355,500.00				405,500.00
Total	Administrative/Legal	50,000.00	6,095.00				56,095.00
	Engineering Design	50,000.00		166,262.00			216,262.00
	Construction Admin		15,000.00	6,645.00			21,645.00
	Survey	100,000.00	40,237.00				140,237.00
	Cost of Issuance for SRF Funding		113,172.00				113,172.00
	Total	250,000.00	2,630,004.00	1,005,057.00	-	-	3,885,061.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Other:						-
Refinance of 2011 Sewer bonds	250,000	64,000	64,000			378,000
Issuance of \$4.0M water bonds in 2016		485,061	3,022,000			3,507,061
Total	250,000	549,061	3,086,000	-	-	3,885,061

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	-	-	-	-	-	-
Total	-	-	-	-	-	-

PROJECT NAME:	Peculiar Dr North to Hurley
PROJECT NO:	WA 15-003
FUND:	2013 Water Bond
DEPARTMENT:	Public Works Water Division
Project Contact:	David Shrout
Category:	Water Distribution
Total Project Cost:	\$ 640,393.00



PROJECT DESCRIPTION:
 Install an 12-inch waterline along Peculiar Drive between the existing 12-inch at the intersection of Peculiar Drive and S. Hurley St. and the waterlines at the intersection of Main St. and E. North Rd., replacing the existing waterlines. This will loop part of the distribution system and replace smaller diameter waterlines.

NEED, JUSTIFICATION, BENEFIT:
 To provide adequate maintenance and capacity to the City's water distribution system; and to provide for a sidewalk from City Hall to J/C Hwy bridge.

TIME-LINE/CURRENT STATUS:
 Engineering Phase FY 2014-20145, Construction FY 2015-2017.

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
77879.4	Engineering	16,993.60					16,993.60
Total	Construction	545,519.75					545,519.75
							-
							-
	Total	562,513.35	-	-	-	-	562,513.35

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Other:						-
2013 water bond	562,514					562,514
						-
						-
Total	562,514	-	-	-	-	562,514

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2016	2017	2018	2019	Total
Maintenance	-	-	-	-	-	-
						-
Total	-	-	-	-	-	-

PROJECT NAME:	Spencer Addition
PROJECT NO:	WA 15-004

LOCATION & AREA MAP:



FUND:	Water Enterprise
DEPARTMENT:	Public Works Water Division
Project Contact:	David Shrout
Category:	Water Distribution

Total Project Cost: \$ 369,940.50

PROJECT DESCRIPTION:
 Install 8-inch waterlines within the Spencer Addition along Clairmont St, Soryl Ave, and Hillcrest Drive. These will replace smaller diameter lines and relocate potable water lines greater than 10' from existing sewer lines as required by the DNR.

NEED, JUSTIFICATION, BENEFIT:
 Need easier access for city staff, needs separation from sewer lines, and fire protection

TIME-LINE/CURRENT STATUS:
 Engineering FY 2014-2015, Construction FY 2016-2017

Prior:	Expenditures	2016	2017	2018	2019	2019+	Total
42000	Construction		327,940.00				327,940.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	-	327,940.00	-	-	-	327,940.00

Funding Sources	2016	2017	2018	2019	2020	Total
2013 Water Bond						-
2016 Water Bond		327,940.50				327,940.50
Other:						-
						-
Total	-	327,940.50	-	-	-	327,940.50

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	-	-	-	-	-	-
Total	-	-	-	-	-	-

PROJECT NAME:	Harr Grove Rd
PROJECT NO:	WA 15-005

LOCATION & AREA MAP:



FUND:	2013 and 2016 Water Bond
DEPARTMENT:	Public Works Water Division
Project Contact:	David Shrout
Category:	Water Distribution

Total Project Cost: \$ 292,059.00

PROJECT DESCRIPTION:
Install an 8-inch waterline along Harr-Grove Rd between Elm St and J Hwy, replacing the existing small diameter waterlines that are prone to breaks.

NEED, JUSTIFICATION, BENEFIT:
To prevent future breaks and supply more water to area with undersized pipes

TIME-LINE/CURRENT STATUS:
Engineering FY 2014-2015, Construction FY 2017-2018

Prior:	Expenditures	2016	2017	2018	2019	2019+	Total
33000	Construction			259,059.00			259,059.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	-	-	259,059.00	-	-	259,059.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
2013 Water Bond						-
2016 Water Bond			259,059			259,059
						-
						-
Total	-	-	259,059	-	-	259,059

EXPLANATION OF IMPACT ON OPERATING BUDGET:
Over the \$4.0M budget by \$222K.

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME:	Water Supply Value Engineering
PROJECT NO:	WA 15-006

LOCATION & AREA MAP:

Check

FUND:	2013 Water bonds
DEPARTMENT:	Public Works Water Division
Project Contact:	David Shrout
Category:	Water Supply Transmission
Total Project Cost:	\$ 74,000.00

PROJECT DESCRIPTION:
Review of water supply and tap fee

NEED, JUSTIFICATION, BENEFIT:
To provide adequate future water supply and lower long term costs for the customers.

TIME-LINE/CURRENT STATUS:
Engineering Design Phase FY 2014-2015, Construction FY 2016-2017.

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
0							-
Total							-
	Engineering Design	74,000.00					74,000.00
							-
							-
	Total	74,000.00	-	-	-	-	74,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Other:						-
2013 Water bonds	74,000					74,000
						-
Total	74,000	-	-	-	-	74,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	-	-	-	-	-	-
Total	-	-	-	-	-	-

PROJECT NAME: Windmill Meter Relocation
PROJECT NO: WA 16-001



FUND: Water Enterprise
DEPARTMENT: Public Works Water Division
 Project Contact: David Shrout
 Category: Meter Maintenance

Total Project Cost: \$ 50,000.00

PROJECT DESCRIPTION:
 Meters to be moved from inside of home to outside into right-of-way

NEED, JUSTIFICATION, BENEFIT:
 To give access to City maintenance staff

TIME-LINE/CURRENT STATUS:
 2015-2016

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	50,000.00					50,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	50,000.00	-	-	-	-	50,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund: Water Enterprise						-
Grants						-
Other: 2013 Water Revenue Bond	50,000					50,000
Total	50,000	-	-	-	-	50,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 Water meters should be replaced every 12-15 years

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	10,000.00
Total	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	10,000.00

PROJECT NAME: Water Storage Tower Maintenance
PROJECT NO: WA 16-003



FUND: Water Enterprise
DEPARTMENT: Water
 Project Contact: David Shrout
 Category: Elevated Tank Maintenance

Total Project Cost: \$ 300,000.00

PROJECT DESCRIPTION:
 Maintenance of 400,000 gallon aerial water storage tower and maintenance of 500,000 ground water storage tank.

NEED, JUSTIFICATION, BENEFIT:
 Recommended guideline by DNR

TIME-LINE/CURRENT STATUS:

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction						-
	Contingency						-
	Design						-
	Maintenance		60,000.00	60,000.00	60,000.00	60,000.00	240,000.00
Total	Total	-	60,000.00	60,000.00	60,000.00	60,000.00	240,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants:						-
Other:						-
Water Enterprise		60,000	60,000	60,000	60,000	240,000
Total	-	60,000	60,000	60,000	60,000	240,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	300,000.00
Total	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	300,000.00

PROJECT NAME:	Ford F350 Maintenance Truck
PROJECT NO:	WA 16-002

LOCATION & AREA MAP:



FUND:	Water Enterprise
DEPARTMENT:	Public Works Water Division
Project Contact:	David Shrout
Category:	Vehicle Maintenance

Total Project Cost: \$ 35,000.00

PROJECT DESCRIPTION:
Replace 2004 Ford F350 Truck

NEED, JUSTIFICATION, BENEFIT:
Old truck is showing large signs of wear and tear

TIME-LINE/CURRENT STATUS:
FY 2015-2016

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction		35,000.00				35,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	-	35,000.00	-	-	-	35,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund: Water Enterprise		35,000				35,000
Grants						-
Other:						-
Total	-	35,000	-	-	-	35,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance		200.00	300.00	400.00	500.00	1,400.00
Total	-	200.00	300.00	400.00	500.00	1,400.00

PROJECT NAME:	F350 Dump Truck
PROJECT NO:	PA 18-001

LOCATION & AREA MAP:



FUND:	Water Enterprise
DEPARTMENT:	Public Works Water Division
Project Contact:	David Shrout
Category:	Vehicle Maintenance

Total Project Cost: \$ 35,500.00

PROJECT DESCRIPTION:
Replace 2008 Ford F350 Dump Truck

NEED, JUSTIFICATION, BENEFIT:
Old truck is showing large signs of wear and tear

TIME-LINE/CURRENT STATUS:
FY 2017-2018

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction			35,500.00			35,500.00
	Contingency						-
	Design						-
	Inspection						-
Total		-	-	35,500.00	-	-	35,500.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund: Water Enterprise			35,500			35,500
Grants						-
Other:						-
						-
						-
Total	-	-	35,500	-	-	35,500

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance			300.00	400.00	500.00	1,200.00
						-
Total	-	-	300.00	400.00	500.00	1,200.00

PROJECT NAME: VFD Pump Upgrade
PROJECT NO: WA 20-001

LOCATION & AREA MAP:



FUND: Water Enterprise
DEPARTMENT: Water
 Project Contact: David Shrout
 Category: Pump Maintenance

Total Project Cost: \$ 30,000.00

PROJECT DESCRIPTION:
 Upgrade VFD pumps at Water Shed-2

NEED, JUSTIFICATION, BENEFIT:
 Routine maintenance

TIME-LINE/CURRENT STATUS:

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Maintenance					30,000.00	30,000.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	-	-	-	-	30,000.00	30,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:					30,000.00	30,000
Grants						-
Other:						-
Total	-	-	-	-	30,000	30,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance					30,000.00	30,000.00
Total	-	-	-	-	30,000.00	30,000.00

PROJECT NAME: Water Storage Tower Inspection
PROJECT NO: WA 20-002

LOCATION & AREA MAP:



FUND: Water Enterprise
DEPARTMENT: Water
 Project Contact: David Shrout
 Category: Elevated Tank Maintenance

Total Project Cost: \$ 15,000.00

PROJECT DESCRIPTION:
 Inspection of 400,000 gallon aerial water storage tower

NEED, JUSTIFICATION, BENEFIT:
 Recommended guideline by DNR

TIME-LINE/CURRENT STATUS:

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction						-
	Contingency						-
	Design						-
	Inspection					15,000.00	15,000.00
Total	Total	-	-	-	-	15,000.00	15,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:					15,000.00	15,000
Grants						-
Other:						-
Total	-	-	-	-	15,000	15,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:
 Additional \$15K to power wash elevated tank, complete

Budget Impact	2016	2017	2018	2019	2020	Total
Inspection					15,000.00	15,000.00
Total	-	-	-	-	15,000.00	15,000.00

Utility System Improvement – Sewer/Storm Water

PROJECT NAME: Line Repair
PROJECT NO: SE 15-001



FUND: Sewer CIP
DEPARTMENT: Sewer
 Project Contact: David Shrout
 Category: Line Maintenance/Repair

Total Project Cost: \$ 24,000.00

PROJECT DESCRIPTION:
 CCTV work produced one line segment that needs repair or replacement. The line segment is located near Hillcrest, north between Clairemont and Soryl (Line E06-005 to E06-012).

NEED, JUSTIFICATION, BENEFIT:
 To keep the system in good working order. Potential repair cure-in-place pipe (CIPP).

TIME-LINE/CURRENT STATUS:
 FY 2014-2015

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	24,000.00					24,000.00
	Contingency	-					-
	Design	-					-
	Inspection	-					-
Total	Total	24,000.00	-	-	-	-	24,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Sewer CIP	24,000					24,000
						-
						-
Total	24,000	-	-	-	-	24,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2015	20016	2017	2018	Total
Maintenance	24,000					24,000.00
						-
Total	24,000.00	-	-	-	-	24,000.00

PROJECT NAME: Clarifier Basin Covers
PROJECT NO: SE 15-002



FUND: Sewer CIP
DEPARTMENT: Sewer
 Project Contact: David Shrout
 Category: WWTP Improvements/Maintenance

Total Project Cost: \$ 25,000.00

PROJECT DESCRIPTION:
 Two clarifier tank covers installed at WWTP

NEED, JUSTIFICATION, BENEFIT:
 To prevent additional maintenance caused by unwanted algae caused by exposure to sun

TIME-LINE/CURRENT STATUS:
 FY 2014-2015

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	25,000.00					25,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	25,000.00	-	-	-	-	25,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Sewer CIP	25,000					25,000
						-
						-
Total	25,000	-	-	-	-	25,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2016	2017	2018	2020	Total
Maintenance	25,000					25,000.00
						-
Total	25,000.00	-	-	-	-	25,000.00

PROJECT NAME:	Spencer Addition
PROJECT NO:	SE 15-003



FUND:	Sewer CIP
DEPARTMENT:	Sewer
Project Contact:	David Shrout
Category:	Line Maintenance/Upgrade

Total Project Cost: \$ 151,000.00

PROJECT DESCRIPTION:
Sewer line upgrades in the Spencer Addition along Clairemont St., Soryl and Hillcrest Drive.

NEED, JUSTIFICATION, BENEFIT:
To keep the system in good working order.

TIME-LINE/CURRENT STATUS:
FY 2014-2015

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	51,000.00		50,000.00		50,000.00	151,000.00
	Contingency						-
	Design						-
	Inspection						-
Total		51,000.00	-	50,000.00	-	50,000.00	151,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Sewer CIP	51,000		50,000		50,000	151,000
						-
						-
Total	51,000	-	50,000	-	50,000	151,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	51,000			50,000	50,000	151,000.00
						-
Total	51,000.00	-	-	50,000.00	50,000.00	151,000.00

PROJECT NAME:	Sewer Trenchless Liner CIPP	LOCATION & AREA MAP: City Wide
PROJECT NO:	SE 15-004	
FUND:	Sewer Enterprise Fund	Total Project Cost: \$ 137,000.00
DEPARTMENT:	Sewer	
Project Contact:	David Shrout	
Category:	Trenchless Liner CIPP	

PROJECT DESCRIPTION:
Yearly lining of sewer lines to strengthen integrity of pipes; i.e. MH F07-009 (DS) to MH F07-17 (US) 452 W. Second Street, Quarter Section F07

NEED, JUSTIFICATION, BENEFIT:
strengthen lining to increase life-span

TIME-LINE/CURRENT STATUS:
Planning

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	37,000.00	25,000.00	25,000.00	25,000.00	25,000.00	137,000.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	37,000.00	25,000.00	25,000.00	25,000.00	25,000.00	137,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
51-51-7320	37,000	25,000	25,000	25,000	25,000	137,000
						-
						-
Total	37,000	25,000	25,000	25,000	25,000	137,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	37,000.00	25,000.00	25,000.00	25,000.00	25,000.00	137,000.00
						-
Total	37,000.00	25,000.00	25,000.00	25,000.00	25,000.00	137,000.00

PROJECT NAME:	Sewer Main Cleaning/Jetting and CCTV Video	LOCATION & AREA MAP: City Wide
PROJECT NO:	SE 15-006	
FUND:	Sewer Enterprise Fund	Total Project Cost: \$ 150,000.00
DEPARTMENT:	Sewer	
Project Contact:	David Shrout	
Category:	Sewer Main Cleaning/Jetting and CCTV Video	

PROJECT DESCRIPTION:
Yearly cleaning/jetting and CCTV Video of sewer lines for due care diligence of system.

NEED, JUSTIFICATION, BENEFIT:
If we clean 20% of our sanitary sewer system every year, we are completing our due care diligence of the system.

TIME-LINE/CURRENT STATUS:
Planning

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	150,000.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	150,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
51-51-7320	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	150,000
						-
						-
Total	30,000	30,000	30,000	30,000	30,000	150,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	150,000
						-
Total	30,000.00	30,000.00	30,000.00	30,000.00	30,000.00	150,000.00

PROJECT NAME: WWTP Generator
PROJECT NO: SE 16-001



FUND: Sewer CIP Fund
DEPARTMENT: Sewer
 Project Contact: David Shrout
 Category: WWTP Improvements

Total Project Cost: \$ 25,000.00

PROJECT DESCRIPTION:
 Connect a new generator at WWTP headwork's facility for back-up power.

NEED, JUSTIFICATION, BENEFIT:
 To operate the two existing grinders, in case of power failure.

TIME-LINE/CURRENT STATUS:
 Planning

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	25,000.00					25,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	25,000.00	-	-	-	-	25,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Sewer CIP Fund	25000					-
						-
						-
Total	25,000	-	-	-	-	-

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance		500.00	500.00	500.00	500.00	2,000.00
						-
Total	-	500.00	500.00	500.00	500.00	2,000.00

PROJECT NAME: Private I/I Removal
PROJECT NO: SE 16-002

LOCATION & AREA MAP:

FUND: Sewer Capital Improvement Fund
DEPARTMENT: Sewer
 Project Contact: David Shrout
 Category: Collection System

Total Project Cost: \$ 183,000.00

PROJECT DESCRIPTION:
 Private sector I/I removal as identified in GBA sanitary sewer report. City staff have applied for an EPA grant for this project.

NEED, JUSTIFICATION, BENEFIT:
 To eliminate leaks in wastewater system to allow inflow and infiltration into the system during high water situations.

TIME-LINE/CURRENT STATUS:
 Planning

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	33,000.00		25,000.00	25,000.00	100,000.00	183,000.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	33,000.00	-	25,000.00	25,000.00	100,000.00	183,000.00

Funding Sources	2016	2017	2018	2019	2019-2020	Total
City Fund:						-
Grants						-
Sewer Fund	33,000	33,000	25,000	25,000	100,000	216,000
						-
						-
Total	33,000	33,000	25,000	25,000	100,000	216,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance	33,000.00		25,000	25,000	100,000	183,000
						-
Total	33,000.00	-	25,000.00	25,000.00	100,000.00	183,000.00

PROJECT NAME:	Manhole Rehab Phase 1	LOCATION & AREA MAP: City wide
PROJECT NO:	SE 16-003	
FUND:	Sewer CIP	Total Project Cost: \$ 194,000.00
DEPARTMENT:	Sanitary Sewer	
Project Contact:	David Shrout	
Category:	Collection System	

PROJECT DESCRIPTION:
Repairs to actively leaking manholes and building service cleanouts as reported in the GBA Sanitary Sewer Report, pg. ES-3.

NEED, JUSTIFICATION, BENEFIT:
To cut down on I/I into system during high rainfall situations

TIME-LINE/CURRENT STATUS:
Design Phase

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	68,000.00		63,000.00	63,000.00		194,000.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	68,000.00	-	63,000.00	63,000.00	-	194,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Sewer CIP	68000		63,000	63,000		194,000
						-
						-
Total	68,000	-	63,000	63,000	-	194,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance		68,000		63,000	63,000	194,000
						-
Total	-	68,000.00	-	63,000.00	63,000.00	194,000.00

PROJECT NAME:	Phase 2 Sewer Assessment (SSES P	LOCATION & AREA MAP:
PROJECT NO:	SE 16-004	
FUND:	Sewer Capital Improvement Fund	Total Project Cost: \$ 300,000.00
DEPARTMENT:	Sewer	
Project Contact:	David Shrout	
Category:	Collection System	

PROJECT DESCRIPTION:
To complete the sanitary sewer evaluation study (SSES) of the system that was not included in Phase 1, completed in 2011 by GBA

NEED, JUSTIFICATION, BENEFIT:
The sewer assessment work was required by Missouri Department of Natural Resources in 2010.

TIME-LINE/CURRENT STATUS:
Planning

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	-					-
	Contingency						-
Total	Engineering	75,000.00	75,000.00	75,000.00	75,000.00		300,000.00
	Inspection						-
	Total	75,000.00	75,000.00	75,000.00	75,000.00	-	300,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Sewer Cap.Imp.Fund \$75000	75,000	75,000	75,000	75,000		300,000
						-
						-
Total	75,000	75,000	75,000	75,000	-	300,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME:	WWTP Aeration Basin
PROJECT NO:	SE 16-005



FUND:	Sewer CIP
DEPARTMENT:	Sewer
Project Contact:	David Shrout
Category:	WWTP Maintenance Improvements

Total Project Cost: \$ 100,000.00

PROJECT DESCRIPTION:
Maintenance for the aeration basin, replace the winch, hoist, and clean out the sludge from the basin.

NEED, JUSTIFICATION, BENEFIT:
Maintenance, all flow goes through the aeration basin and we do not have second basin as a backup.

TIME-LINE/CURRENT STATUS:
Planning

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction						-
	Contingency						-
	Design						-
Total	Maintenance	100,000.00					100,000.00
	Total	100,000.00	-	-	-	-	100,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Other:						-
Sewer Fund	100,000					100,000
Total	100,000	-	-	-	-	100,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
Total	100,000.00	-	-	-	-	100,000.00

PROJECT NAME: WWTP Roof
PROJECT NO: F 15-001

LOCATION & AREA MAP:



FUND: 30 CIP
DEPARTMENT: Facilities
 Project Contact: Bill England
 Category: Roof

Total Project Cost: \$ 40,000.00

PROJECT DESCRIPTION:
 New roof for the WWTP Operations Building

NEED, JUSTIFICATION, BENEFIT:
 Originally installed roof is deteriorating, and has exceeded its useful life. Needs replaced.

TIME-LINE/CURRENT STATUS:
 Construction 2015

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	40,000.00					40,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	40,000.00	-	-	-	-	40,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Other:						-
CIP Fund 30	40,000					40,000
						-
						-
Total	40,000	-	-	-	-	40,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME: RV Generator
PROJECT NO: SE 17-001



FUND: Sewer Enterprise Fund
DEPARTMENT: Sewer
 Project Contact: David Shrout
 Category: Lift Station Maintenance

Total Project Cost: \$ 25,000.00

PROJECT DESCRIPTION:
 To replace existing generator at the RV lift station

NEED, JUSTIFICATION, BENEFIT:
 Existing one is inoperable and has served its useful life.

TIME-LINE/CURRENT STATUS:
 Planning

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	-	25,000.00				25,000.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	-	25,000.00	-	-	-	25,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Sewer Enterprise Fund		25,000				25,000
						-
						-
Total	-	25,000	-	-	-	25,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance			25,000			25,000.00
						-
Total	-	-	25,000.00	-	-	25,000.00

PROJECT NAME: Manhole Rehab Phase 2
PROJECT NO: SE 17-002

LOCATION & AREA MAP:

FUND: Sewer CIP Fund
DEPARTMENT: Sanitary Sewer
 Project Contact: David Shrout
 Category: Collection system

Total Project Cost: \$ 191,000.00

PROJECT DESCRIPTION:
 Initial manhole rehab (repairs) is estimated at \$135,000 (SE 16-003) and another \$250K to repair the structural problems and I/I sources in manholes as identified in the GBA Sanitary Sewer Report, pg. ES-3.

NEED, JUSTIFICATION, BENEFIT:
 To reduce I/I in high rainfall situations.

TIME-LINE/CURRENT STATUS:
 Design Phase

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction		67,000.00		62,000.00	62,000.00	191,000.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	-	67,000.00	-	62,000.00	62,000.00	- 191,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:		67,000	-	62,000	62,000	191,000
Grants						-
Other:						-
Total	-	67,000	-	62,000	62,000	- 191,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance		67,000.00		62,000.00	62,000.00	191,000
Total	-	67,000.00	-	62,000.00	62,000.00	- 191,000

PROJECT NAME: Garage Addition WWTP
PROJECT NO: SE 18-001



FUND: Sewer CIP
DEPARTMENT: Sewer
 Project Contact: David Shrout
 Category: WWTP Improvements

Total Project Cost: \$ 45,000.00

PROJECT DESCRIPTION:
 Build additional garage at WWTP

NEED, JUSTIFICATION, BENEFIT:
 Vehicle and machine storage

TIME-LINE/CURRENT STATUS:
 Planning

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	-		45,000.00			45,000.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	-	-	45,000.00	-	-	45,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:			45,000			45,000
Grants						-
Other:						-
Total	-	-	45,000	-	-	45,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
Total	-	-	-	-	-	-

PROJECT NAME:	Phase 1 Relief Sewer
PROJECT NO:	SE 18-002

LOCATION & AREA MAP:



FUND:	Sewer CIP Bond
DEPARTMENT:	Sanitary Sewer
Project Contact:	David Shrout
Category:	Sewer Capacity

Total Project Cost: \$ 2,495,221.00

PROJECT DESCRIPTION:
Upsize current system to enable future capacity, and with the strategy of providing immediate relief to the areas the have historically experienced overflow and backups.

NEED, JUSTIFICATION, BENEFIT:
Needed to allow capacity. Current system is too small and needs extra capacity to avoid overflow in rainfall situations.

TIME-LINE/CURRENT STATUS:
Design Phase

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction			1,609,820.00			1,609,820.00
Total	Contingency 25%			402,455.00			402,455.00
	Engineering (20%)			321,964.00			321,964.00
	General Conditions (10%)			160,982.00			160,982.00
	Total	-	-	2,495,221.00	-	-	2,495,221.00

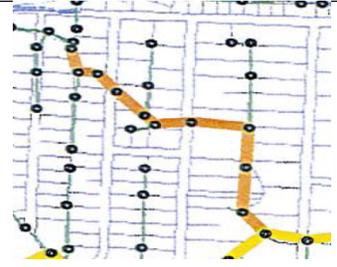
Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
2017-2018 revune bond			2,495,221			2,495,221
						-
						-
Total	-	-	2,495,221	-	-	2,495,221

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME:	Phase 2 Relief Sewer
PROJECT NO:	SE 18-003

LOCATION & AREA MAP:



FUND:	Sewer CIP Bond
DEPARTMENT:	Sanitary Sewer
Project Contact:	David Shrout
Category:	Sewer Capacity

Total Project Cost: \$ 1,848,879.00

PROJECT DESCRIPTION:
Upsize current system to enable future capacity.

NEED, JUSTIFICATION, BENEFIT:
Needed to allow capacity. Current system is too small and needs extra capacity to avoid overflow in rainfall situations.

TIME-LINE/CURRENT STATUS:
Design Phase

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction			1,192,825.00			1,192,825.00
	Contingency (25%)			298,206.00			298,206.00
	Engineering (20%)			238,565.00			238,565.00
	General Conditions (10%)			119,283.00			119,283.00
Total		-	-	1,848,879.00	-	-	1,848,879.00

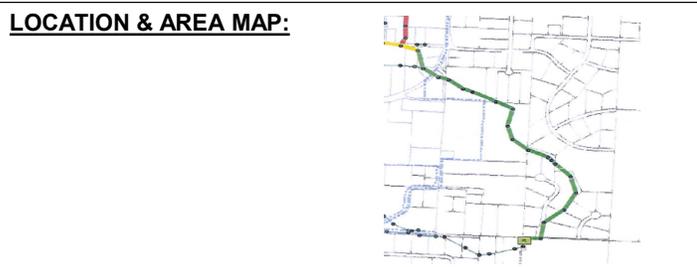
Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
2017-2018 Sewer Bond			1,848,879			1,848,879
						-
						-
Total	-	-	1,848,879	-	-	1,848,879

EXPLANATION OF IMPACT ON OPERATING BUDGET:

With this project, we are \$1,544,100 in the red with our \$2.8M in 2017-2018 sewer bonds.

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME:	Phase 3 Relief Sewer
PROJECT NO:	SE 18-004



FUND:	Sewer CIP Bond
DEPARTMENT:	Sanitary Sewer
Project Contact:	David Shrout
Category:	Sewer Capacity

Total Project Cost: \$ 1,627,082.00

PROJECT DESCRIPTION:
Upsize current system to enable future capacity. Former Larkin Engineer's study as "Line 6." Also, wet well improvements at East lift station.

NEED, JUSTIFICATION, BENEFIT:
Needed to allow capacity. Current system is too small and needs extra capacity to avoid overflow in rainfall situations.

TIME-LINE/CURRENT STATUS:
Design Phase

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction			1,049,730.00			1,049,730.00
Total	Contingency (25%)			262,433.00			262,433.00
	Engineering (20%)			209,946.00			209,946.00
	General Conditions (10%)			104,973.00			104,973.00
	Total	-	-	1,627,082.00	-	-	1,627,082.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
2017-2018 Sewer Bond			1,627,082			1,627,082
						-
						-
Total	-	-	1,627,082	-	-	1,627,082

EXPLANATION OF IMPACT ON OPERATING BUDGET:
With this project, we are \$3,171,182 in the red with our \$2.8M in 2017-2018 sewer bonds.

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME:	Phase 4 Relief Sewer
PROJECT NO:	SE 18-005

LOCATION & AREA MAP:



FUND:	Sewer
DEPARTMENT:	Sanitary Sewer
Project Contact:	David Shrout
Category:	Sewer Capacity

Total Project Cost: \$ 1,116,535.00

PROJECT DESCRIPTION:
Upsize current system to enable future capacity.

NEED, JUSTIFICATION, BENEFIT:
Needed to allow capacity. Current system is too small and needs extra capacity to avoid overflow in rainfall situations.

TIME-LINE/CURRENT STATUS:
Design Phase

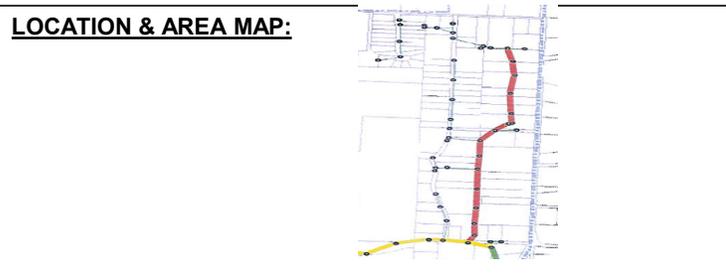
Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction			720,345.00			720,345.00
	Contingency (25%)			180,086.00			180,086.00
	Engineering (20%)			144,069.00			144,069.00
	General Conditions (10%)			72,035.00			72,035.00
Total	Total	-	-	1,116,535.00	-	-	1,116,535.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Other:						-
2017-2018 Revenue						-
Bonds			1,116,535			1,116,535
						-
						-
Total	-	-	1,116,535	-	-	1,116,535

EXPLANATION OF IMPACT ON OPERATING BUDGET:
With this project, we are \$4,287,717 in the red with our \$2.8M in 2017-2018 sewer bonds.

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME:	Phase 5 Relief
PROJECT NO:	SE 18-006



FUND:	CIP
DEPARTMENT:	Sanitary Sewer
Project Contact:	David Shrout
Category:	Sewer Capacity

Total Project Cost: \$ 1,041,996.00

PROJECT DESCRIPTION:
Upsize current system to enable future capacity. Former Larkin engineers study "Line 6." Also, wet well improvement at east lift station

NEED, JUSTIFICATION, BENEFIT:
Needed to allow capacity. Current system is too small and needs extra capacity to avoid overflow in rainfall situations.

TIME-LINE/CURRENT STATUS:
Design Phase

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction			672,255.00			672,255.00
	Contingency (25%)			168,064.00			168,064.00
	Engineering (20%)			134,451.00			134,451.00
	General Conditions (10%)			67,226.00			67,226.00
Total		-	-	1,041,996.00	-	-	1,041,996.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
FY 2017-2018						-
Revune Bonds			1,041,996			1,041,996
						-
						-
Total	-	-	1,041,996	-	-	1,041,996

EXPLANATION OF IMPACT ON OPERATING BUDGET:
With this project, we are \$5,329,713 the red with our \$2.8M in 2017-2018 sewer bonds.

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME: Sludge Truck
PROJECT NO: SE 19-001



FUND: CIP Vehicles
DEPARTMENT: Sewer
 Project Contact: David Shrout
 Category: Vehicle Replacement Program

Total Project Cost: \$ 120,000.00

PROJECT DESCRIPTION:
 Replace sewer sludge truck.

NEED, JUSTIFICATION, BENEFIT:
 Truck is aging and needs to be replaced to be effective.

TIME-LINE/CURRENT STATUS:
 Planning

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction	-				120,000.00	120,000.00
	Contingency						-
	Design						-
	Inspection						-
Total	Total	-	-	-	-	120,000.00	120,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
CIP Vehicles					120,000	120,000
						-
						-
Total	-	-	-	-	120,000	120,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
Total	-	-	-	-	-	-

PROJECT NAME: WWTP Disinfection
PROJECT NO: 19-002

LOCATION & AREA MAP:



FUND: CIP
DEPARTMENT: Sewer
 Project Contact: David Shrout
 Category: WWTP Improvements

Total Project Cost: \$ 200,000.00

PROJECT DESCRIPTION:
 Effluent plant discharge disinfection

NEED, JUSTIFICATION, BENEFIT:
 Disinfection of effluent plant water due to MDNR operating permit requirements. MDNR operating permit requirements could be required as soon as the 2015 permit renewal cycle.

TIME-LINE/CURRENT STATUS:
 Planning

Prior:	Expenditures	2016	2017	2018	2019	2020	Total
	Construction					200,000.00	200,000.00
Total	Contingency						-
	Design						-
	Inspection						-
	Total	-	-	-	-	200,000.00	200,000.00

Funding Sources	2016	2017	2018	2019	2020	Total
City Fund:						-
Grants						-
Other: Unfunded					200,000	200,000
						-
						-
Total	-	-	-	-	200,000	200,000

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2016	2017	2018	2019	2020	Total
Maintenance						-
						-
Total	-	-	-	-	-	-

PROJECT NAME: 211th Street Storm Water Retention
PROJECT NO: SW 2015 -001

LOCATION & AREA MAP:

FUND:
DEPARTMENT: Sewer
 Project Contact: Carl Brooks
 Category: Storm water

Total Project Cost: \$ 2,115,095.18

PROJECT DESCRIPTION:
 Storm water retention basin due to the I-49 & 211th Street Interchange and 211th Street projects.

NEED, JUSTIFICATION, BENEFIT:
 Existing storm water runoff is overflowing the current stream channel during the 25 year return frequency storm event, causing yard flooding and outbuilding damage

TIME-LINE/CURRENT STATUS:

Prior:	Expenditures	2015	2016	2017	2018	2019	Total
	Construction(Unfunded)		1,588,095.18				1,588,095.18
Total	Contingency(Unfunded)		250,000.00				250,000.00
	Design(Funded)		199,000.00				199,000.00
	Inspection (City staff)		78,000.00				78,000.00
	Total	-	2,115,095.18	-	-	-	2,115,095.18

Funding Sources	2015	2016	2017	2018	2019	Total
City Fund: 34	-					-
Grants						-
Other: Unfunded)		2,115,095				2,115,095
						-
						-
Total	-	2,115,095	-	-	-	2,115,095

EXPLANATION OF IMPACT ON OPERATING BUDGET:

Budget Impact	2015	2016	2017	2018	2019	Total
Maintenance			1,000.00	1,000.00	1,000.00	3,000.00
						-
Total	-	-	1,000.00	1,000.00	1,000.00	3,000.00