

CAPITAL IMPROVEMENT FUNDS

The Capital Improvement funds account for financial resources to be used for the acquisition and construction of major capital facilities (other than those financed by Special Revenue Funds).

Capital Improvement Program Fund – Accounts for general government capital projects. The Town of Superior maintains a five-year capital improvement program which is updated annually. The initial year of the plan, which is also the next fiscal year for the Town, is adopted and approved by the Board of Trustees as a component of the annual budget.

The revenue sources include the 0.3% sales and use tax dedicated specifically for Town capital improvements as well as surplus fund transfers from the General Fund.

Water Capital Improvement Fund - The Capital Improvement fund tracks water capital projects. Superior maintains a five-year capital improvement program which is updated annually. The initial year of the plan, which is also the next fiscal year for Superior, is adopted and approved by the Board of Directors as a component of the annual budget.

The primary revenue sources are system development fees, one-time water asset sales, transfer from operations and miscellaneous leases.

Wastewater Capital Improvement Fund - The Capital Improvement fund tracks wastewater capital projects. Superior maintains a five-year capital improvement program which is updated annually. The initial year of the plan, which is also the next fiscal year for Superior, is adopted and approved by the Board of Directors as a component of the annual budget.

The primary revenue sources are system development fees and transfer from operations.

Storm Water Capital Improvement Fund - The Capital Improvement fund tracks storm water capital projects. Superior maintains a five-year capital improvement program which is updated annually. The initial year of the plan, which is also the next fiscal year for Superior, is adopted and approved by the Board of Directors as a component of the annual budget.

The primary revenue sources are system development fees and transfer from operations.

2017 – 2021 Capital Improvement Program Budget Revenue (42)

Acct #	Revenues	2017 Budget	2018 Projected Budget	2019 Projected Budget	2020 Projected Budget	2021 Projected Budget
31-1300	Sales, Non SURA	\$195,000	\$200,000	\$210,000	\$215,000	\$225,000
31-1301	Sales, SURA	655,000	675,000	690,000	705,000	724,000
31-1302	Sales, Louisville Revenue Share	5,000	10,000	20,000	20,000	20,000
31-1310	Vehicle Use	72,500	75,000	77,500	80,000	82,500
31-1320	Building Use	90,000	80,000	105,000	120,000	85,000
36-6100	Interest Income	-	5,000	4,000	28,000	59,000
36-6300	Grant Revenue	142,000	-	-	-	-
36-6600	Miscellaneous	29,000	29,000	29,000	29,000	29,000
36-6810	Bond/Loan Proceeds Town Hall Addition	3,145,000	-	-	-	-
	Bond/Loan Proceeds North Pool Cover	-	2,800,000	-	-	-
36-6840	Park Impact Fee	285,000	255,000	450,000	470,000	360,000
36-6841	School Impact Fee	37,500	37,500	160,000	170,000	120,000
36-6843	Public Facility Fee	10,000	10,000	10,000	20,000	-
36-6910	Transfer from General Fund	2,125,000	1,900,000	2,350,000	3,250,000	2,700,000
	Use of / (Addition to) Fund Balance	(420,975)	116,256	(1,634,111)	(1,694,055)	(1,739,802)
		\$6,370,025	\$6,192,756	\$2,471,389	\$3,412,945	\$2,664,698

2017 – 2021 Capital Improvement Program Fund Budget Expense (42)

Acct #	Expenses	2017 Budget	2018 Projected Budget	2019 Projected Budget	2020 Projected Budget	2021 Projected Budget
Public Works and Utilities (430)						
6241	Bridge Rail Painting	\$40,000	\$-	\$-	\$40,000	\$-
6300	Vehicle Replacement	20,000	35,000	70,000	110,000	-
6596	Rock Creek Pkwy Ped Crossing Flashing Beacons	40,000	-	-	-	-
6598	Street Project Soft Costs	80,000	80,000	80,000	160,000	80,000
6599	Street Maintenance	206,000	212,180	218,545	225,101	231,854
6601	Street Replacement Program	1,000,000	1,000,000	1,000,000	2,000,000	1,000,000
6244	Traffic Signal System Upgrades	172,000	-	-	-	-
6594	Left-Turn Flashing Yellow Signal Heads	-	45,000	-	-	-
6652	Traffic Signal Health Index Assessment	-	35,000	-	-	-
	Campus Drive Extension	-	-	75,000	-	-
6243	Pavement Condition Index Update	-	-	30,000	-	-
6421	Building-PW/Parks Maint & Oper.	-	-	-	-	125,000
		\$1,558,000	\$1,407,180	\$1,473,545	\$2,535,101	\$1,436,854

2017 – 2021 Capital Improvement Program Fund Budget Expense (42)

Acct #	Expenses	2017 Budget	2018 Projected Budget	2019 Projected Budget	2020 Projected Budget	2021 Projected Budget
Parks, Rec, Open Space (426)						
6300	Vehicle Replacement	\$10,500	\$3,300	\$-	\$-	\$-
6520	Shrub Bed Renovation	15,000	15,000	15,000	15,000	15,000
6521	STC Parcel 1 & 2 Park Design	200,000	-	-	-	-
6533	Park Furniture Replacement	22,500	22,500	10,000	10,000	10,000
6537	Coalton Corridor Enhancements	25,000	-	-	-	190,000
6561	Historic Fire Truck Restoration	25,000	-	-	-	-
6522	Dog Park Renovation	65,000	-	-	-	-
6523	Williams Field Entrance Enhancement	40,000	-	-	-	-
6524	Williams Field Scoreboard	30,000	-	-	-	-
6525	Turf Groomer	17,000	-	-	-	-
6526	PROS Storage Shed at Community Park	27,000	-	-	-	-
6527	Yard Waste Site Improvements	20,000	-	-	-	-
6528	North Pool Cover and Building Expansion	50,000	2,800,000	-	-	-
7843	School Parcel Improvements – Loan Payment	1,015,025	1,015,025	-	-	-
6150	Tennis Court Improvements	-	5,000	-	-	-
6539	Eldorado K-8 Field Improvements	-	250,000	-	-	-
	Parking Lot Improvements	-	40,000	-	40,000	100,000
	Pickeball Court	-	175,000	-	-	-
	North Pool Cover – Loan Payment	-	-	338,093	338,093	338,093
6421	Building-PW/Parks Maint. & Oper.	-	-	-	-	125,000
		\$1,562,025	\$4,325,825	\$363,093	\$403,093	\$778,093

2017 – 2021 Capital Improvement Program Fund Budget Expense (42)

Acct #	Expenses	2017 Budget	2018 Projected Budget	2019 Projected Budget	2020 Projected Budget	2021 Projected Budget
Other (490)						
6010	Environmental “Green” Enhancements	\$30,000	\$30,000	\$30,000	\$5,000	\$5,000
6021	Fiber Optics	140,000	-	160,000	-	-
6100	Server Replacement	15,000	-	15,000	25,000	15,000
6300	Vehicle Replacement	35,000	-	-	-	-
6401	Town Hall Expansion	2,945,000	-	-	-	-
6543	Wayfinding Signage	10,000	-	-	-	-
6990	Public Art	50,000	50,000	50,000	50,000	50,000
6890	Monument Signs	25,000	-	-	15,000	-
	Town Hall Expansion – Loan Payments	-	379,751	379,751	379,751	379,751
		\$3,250,000	\$459,751	\$634,751	\$474,751	\$449,751
Total Capital Projects		\$6,370,025	\$6,192,756	\$2,471,389	\$3,412,945	\$2,664,698

Bridge Rail Painting

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 40,000

2018 -

2019 -

2020 40,000

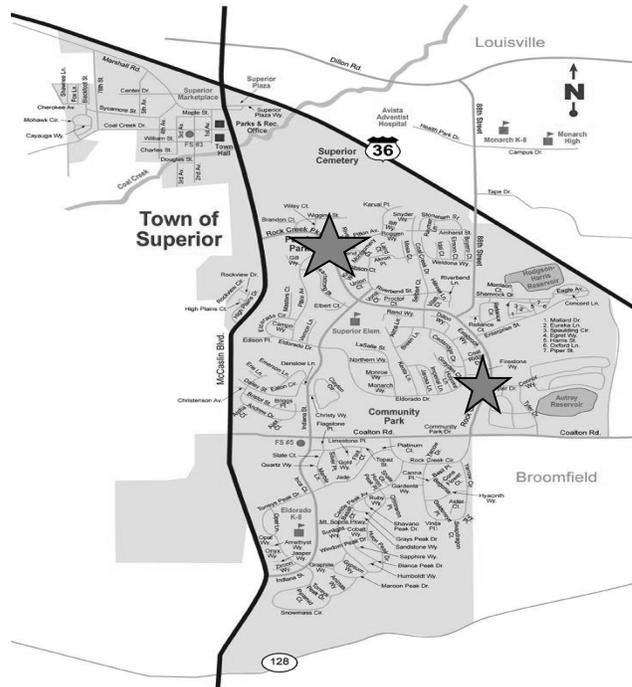
2021 -

\$ 40,000 **Total Cost**

Total Cost \$ 80,000

PROJECT DESCRIPTION

This project provides for funding to address Rock Creek Parkway bridge rail and deck painting.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Vehicle Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 20,000	Governmental Capital
-	Water Capital
-	Sewer Capital
-	Storm Capital
<hr/>	
\$ 20,000	Total Cost

BUDGET BY YEAR

2017	\$ 20,000
2018	235,000
2019	140,000
2020	220,000
2021	<hr/> -
Total Cost	\$ 615,000

PROJECT DESCRIPTION

2017 - Replacement of two spreader boxes

2018 - Replacement of 2004 Sewer jet/vacuum truck (105) (Sewer only); Replacement of 2000 crack-sealing machine (General only)

2019 - 2008 Loader/Backhoe replacement, replacement of 2010 pick-up truck (110) (split between General, Water, Sewer and Storm)

2020 - Replacement of 2012 pick-up truck (111) and 2005 roll-off truck (106) (split between General, Water, Sewer and Storm)

ANNUAL OPERATING BUDGET IMPACT

\$ 1,000

Rock Creek Parkway Pedestrian Crossing

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 40,000

2018 -

2019 -

2020 -

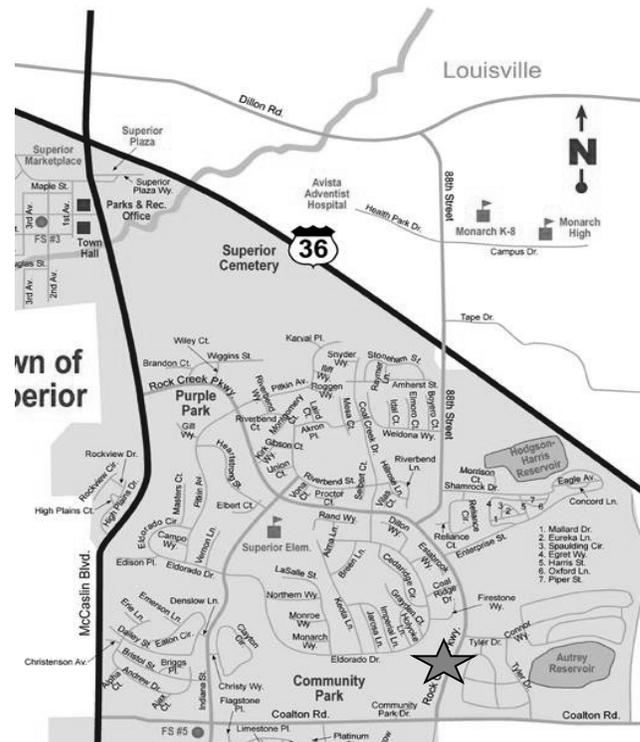
2021 -

\$ 40,000 **Total Cost**

Total Cost \$ 40,000

PROJECT DESCRIPTION

This project will install a rectangular rapid flashing beacon on Rock Creek Parkway between Tyler Drive and the Safeway access. ADA accessible ramps would be constructed along with modifications to the median on Rock Creek Parkway.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Street Project Soft Costs

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 80,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 80,000

2018 80,000

2019 80,000

2020 160,000

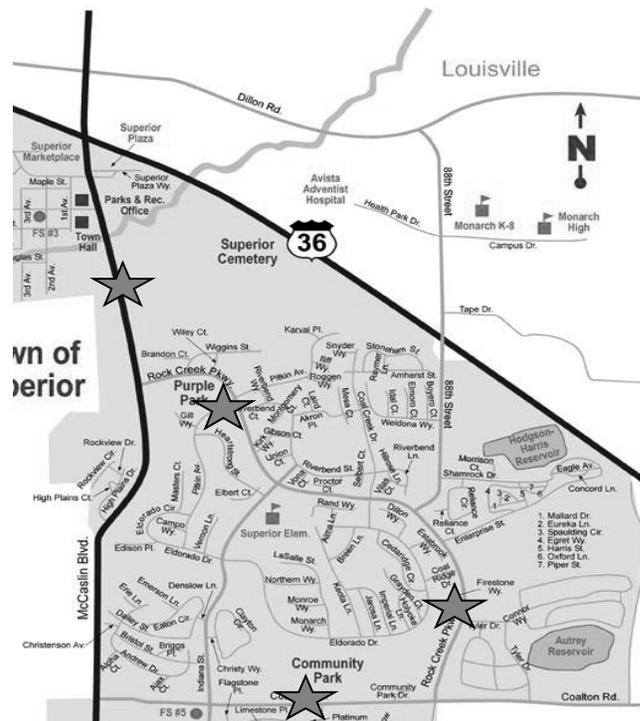
2021 80,000

Total Cost
\$ 80,000

Total Cost \$ 480,000

PROJECT DESCRIPTION

Soft costs for the street reconstruction program include surveying, geotechnical investigations, engineering design, construction observation, and materials testing. Costs are assumed to be 8% of total construction cost.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Street Maintenance

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 206,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 206,000

2018 212,180

2019 218,545

2020 225,101

2021 231,854

\$ 206,000 **Total Cost**

Total Cost \$ 1,093,680

PROJECT DESCRIPTION

Regular street maintenance tasks include crack sealing of asphalt, pot hole patching and repairs, and miscellaneous concrete replacement throughout Town. This work will primarily be performed by the Town's maintenance staff. Due to the lower level of funding for major street work, this budget will need to be larger to hold together failing streets such as McCaslin, Rock Creek Parkway, Coalton and 88th Street.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Street Replacement Program

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 1,000,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 1,000,000

2018 1,000,000

2019 1,000,000

2020 2,000,000

2021 1,000,000

\$ 1,000,000 **Total Cost**

Total Cost \$ 6,000,000

PROJECT DESCRIPTION

This project provides for ongoing street pavement management construction activities.

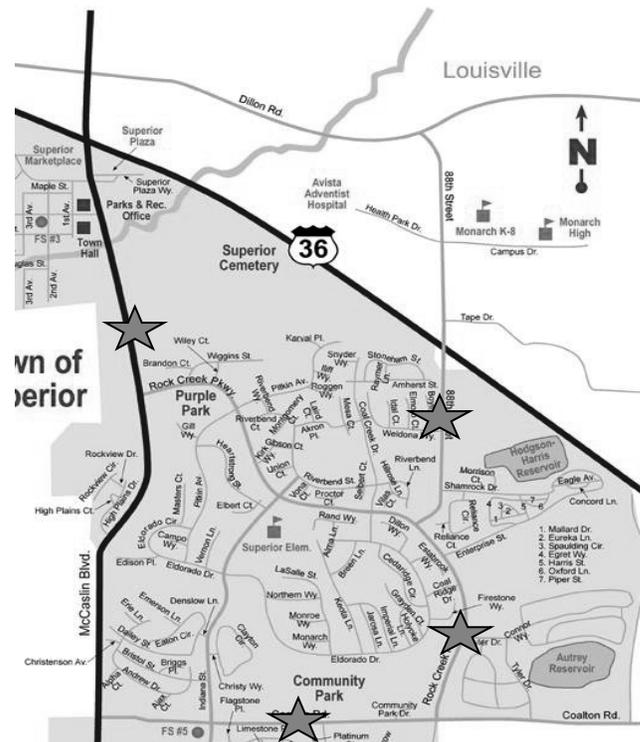
2017 - McCaslin (Marshall to Rock Creek Pkwy) mill & overlay

2018 - 88th Street Reconstruction, Sidewalk & Widening

2019 - Coalton Road mill & overlay

2020 - Rock Creek Parkway Reconstruction (Honey Creek to Coalton)

2021 - McCaslin and Rock Creek Parkway Intersection reconstruction



ANNUAL OPERATING BUDGET IMPACT

\$ -

Left-Turn Flashing Yellow Traffic Signal Heads

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 45,000 Governmental Capital

BUDGET BY YEAR

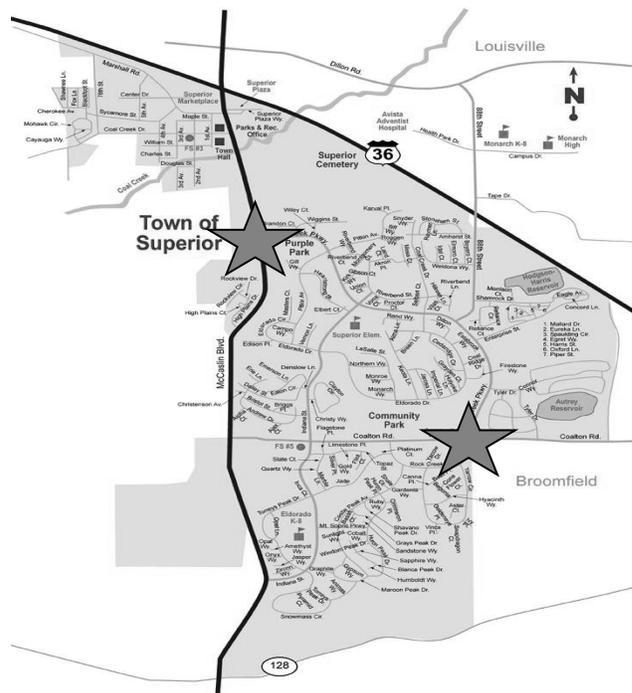
2017	\$ -
2018	45,000
2019	-
2020	-
2021	-

\$ 45,000 **Total Cost**

Total Cost \$ 45,000

PROJECT DESCRIPTION

This project will install flashing yellow traffic signal heads at Rock Creek Parkway & McCaslin (2) and at Rock Creek Parkway and Coalton (4). These signal heads reduce driver confusion at the intersections for unprotected (green arrowed) left turn movements.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Traffic Signal Health Index Assessment

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 35,000 Governmental Capital

BUDGET BY YEAR

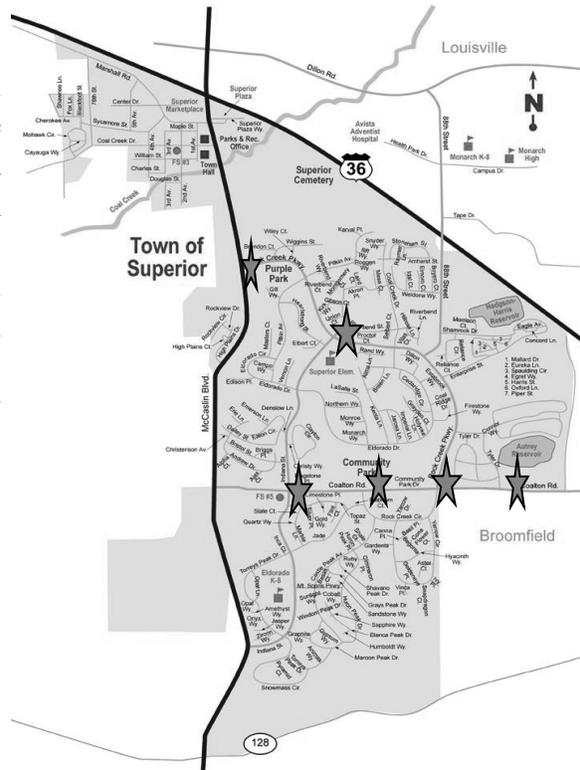
2017	\$ -
2018	35,000
2019	-
2020	-
2021	-

\$ 35,000 **Total Cost**

Total Cost \$ 35,000

PROJECT DESCRIPTION

This project provides for assessment of traffic signals to determine equipment condition and steel pole and mast arm conditions. Results of the assessment will be used to plan for timing and replacement of critical transportation infrastructure. This assessment should be completed every five years. This assessment will exclude the three poles that will be replaced with the DDI (US36 ramp north, US36 ramp south, Marshall/McCaslin) as well as the new McCaslin/High Plains and 88th Pedestrian signals.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Campus Drive Connection

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 75,000 Governmental Capital

BUDGET BY YEAR

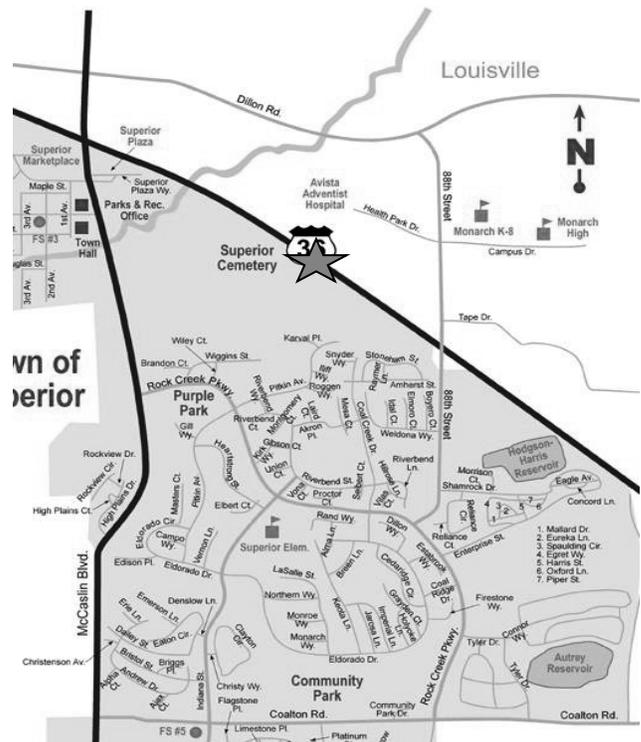
2017	\$ -
2018	-
2019	75,000
2020	-
2021	-

\$ 75,000 **Total Cost**

Total Cost \$ 75,000

PROJECT DESCRIPTION

This project would design a potential street connection between the Superior Town Center and Campus Drive in Louisville. It would entail construction of a new bridge crossing US 36 just east of the US 36 Bikeway bridge. Budgeted funds would cover half the cost of a 30% design to develop a construction estimate. The other half would be funded by the City of Louisville.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Pavement Condition Index Update

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 30,000 Governmental Capital

BUDGET BY YEAR

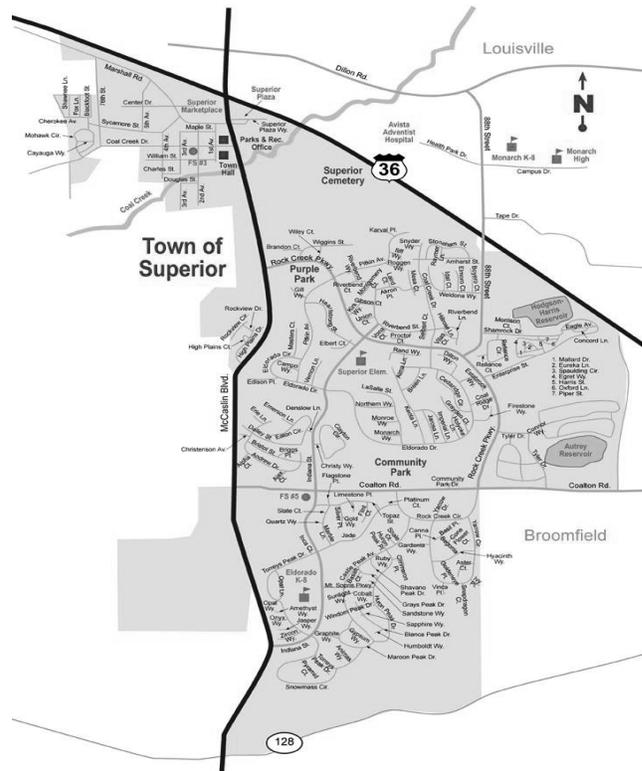
2017	\$ -
2018	-
2019	30,000
2020	-
2021	-

\$ 30,000 **Total Cost**

Total Cost \$ 30,000

PROJECT DESCRIPTION

This project provides for funding to re-evaluate the Pavement Condition Index for streets as part of the Pavement Management Program. This is an activity that is recommended to be completed every 3 - 4 years to track the deterioration of streets in efforts to project optimal treatment or rehabilitation.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Public Works & Parks Maintenance Operations Building

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 250,000	Governmental Capital
125,000	Water Capital
75,000	Sewer Capital
50,000	Storm Capital
<hr/>	
\$ 500,000	Total Cost

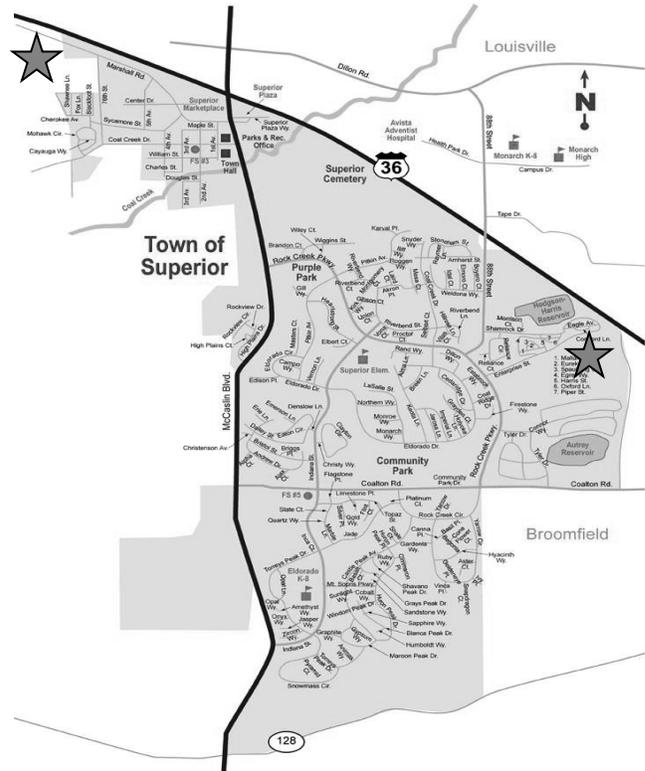
BUDGET BY YEAR

2017	\$ -
2018	-
2019	-
2020	-
2021	500,000
<hr/>	
Total Cost	\$ 500,000

PROJECT DESCRIPTION

Construction of a combined Public Works & Parks maintenance operations building. The existing buildings are inadequate for the breath, scope and complexity of the current and future maintenance operations. This project may also include construction of a salt/sand storage area. Programming & Conceptual Design was completed in 2014 which estimated a need for a 25,000 SF building on a 2-acre site with construction costs of \$5,000,000.

2021 - Final design



ANNUAL OPERATING BUDGET IMPACT

\$ 72,500

Shrub Bed Renovation

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 15,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 15,000

2018 15,000

2019 15,000

2020 15,000

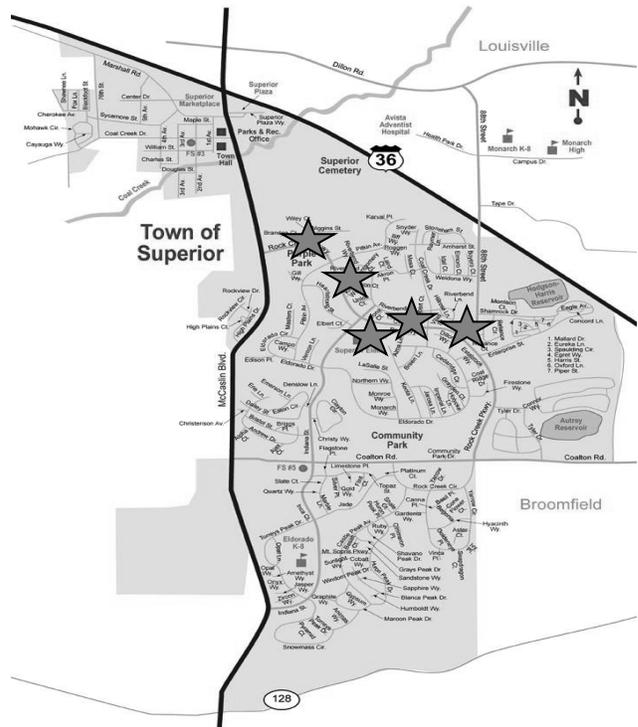
2021 15,000

\$ 15,000 **Total Cost**

Total Cost \$ 75,000

PROJECT DESCRIPTION:

This is a 5 year phased project. The project is necessary due to the fact that much of the plant material is suffering. The original evergreen shrubs were installed at the inception of Rock Creek Ranch (medians) and has suffered for years due to sand/salt in the winter, compacted soils and vole activity. The Rock Creek Parkway medians will include replacement of the evergreen shrubs. The North Pool replacement would include evergreen shrubs along the south fence of the pool and the shrubs between the tennis courts.



ANNUAL OPERATING BUDGET IMPACT

\$ -

STC Parcel 1 and 2 Park Design

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 200,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 200,000

2018 -

2019 -

2020 -

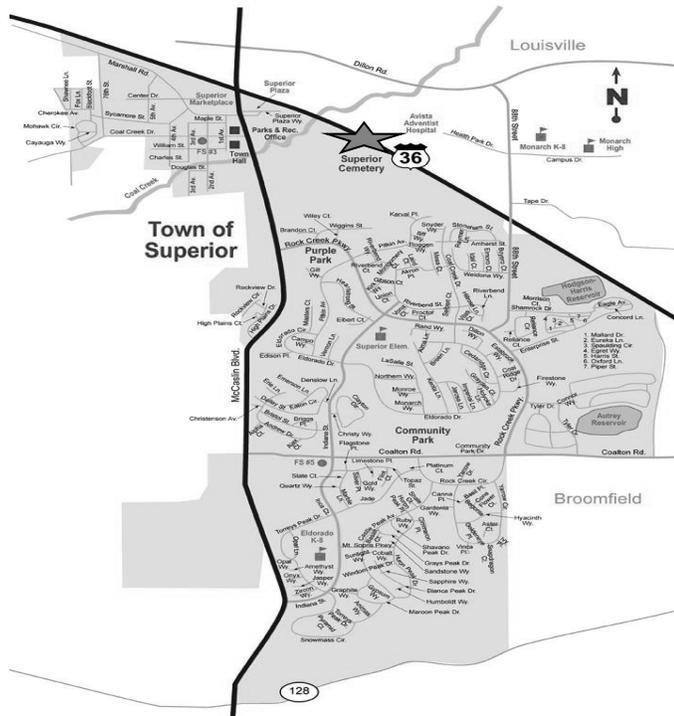
2021 -

\$ 200,000 **Total Cost**

Total Cost \$ 200,000

PROJECT DESCRIPTION

2017 - Final construction design plans.



ANNUAL OPERATING BUDGET

TBD

Park Furniture Replacement

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 22,500 Governmental Capital

BUDGET BY YEAR

2017 \$ 22,500

2018 22,500

2019 10,000

2020 10,000

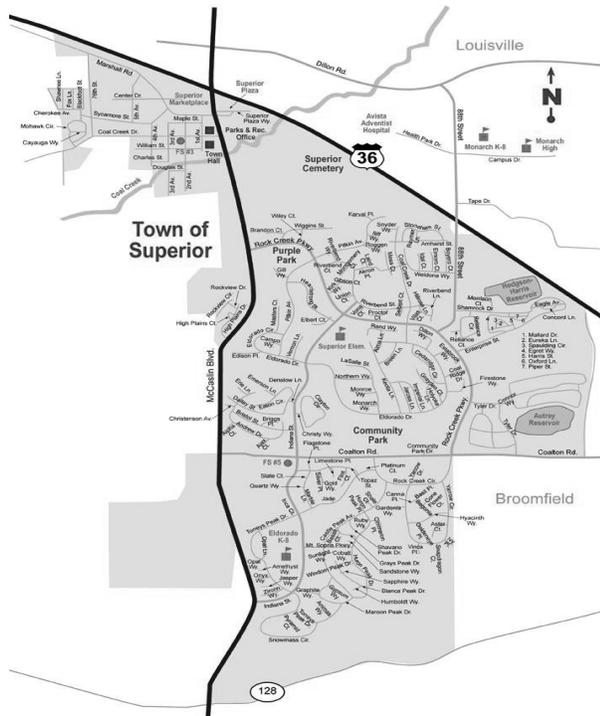
2021 10,000

\$ 22,500 **Total Cost**

Total Cost \$ 75,000

PROJECT DESCRIPTION

Town's original wood park furniture is decaying and requires replacement. This project would replace these pieces and provide for installing on small slabs to protect from decay as a result of sitting on irrigated grass.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Coalton Corridor Enhancements

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 25,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 25,000

2018 -

2019 -

2020 -

2021 190,000

Total Cost
\$ 25,000

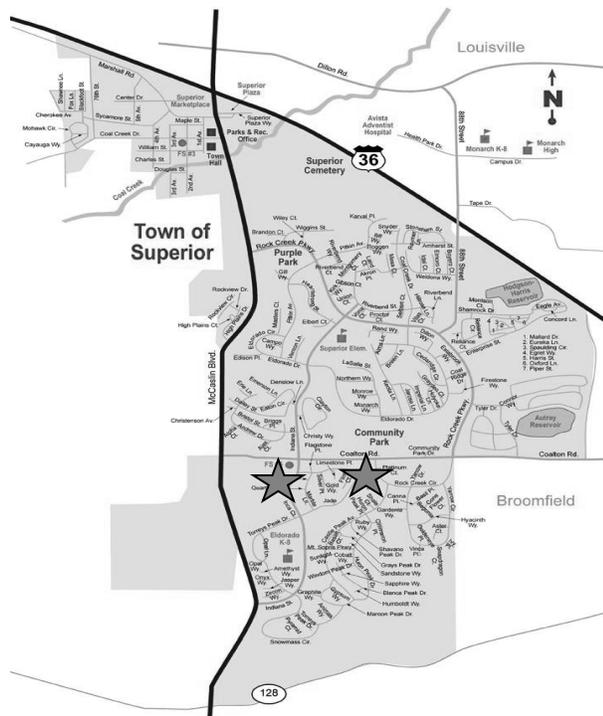
Total Cost \$ 215,000

PROJECT DESCRIPTION

Most of the irrigation system in the corridor on the north and south sides of Coalton Road is designed to irrigate native type grasses using rotors with less uniform coverage. There are also two areas with lengths totaling 1,275 lineal feet in the corridor that lack any kind of irrigation system.

2017 - Landscaping improvements on Coalton between Calmante Dr and Indiana St.

2021 - This project consists of converting and adding irrigation to service a thirty foot wide swath of native grasses adjacent to both sides of the roadway to a turf type system, and also includes installing fescue sod in those areas. Additionally, irrigation and sod would be installed around Coalton pond.



ANNUAL OPERATING BUDGET IMPACT

\$ 7,500 (Beginning in 2022)

Historic Fire Truck Restoration

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 25,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 25,000

2018 -

2019 -

2020 -

2021 -

\$ 25,000 **Total Cost**

Total Cost \$ 25,000

PROJECT DESCRIPTION

Refurbish interior and exhaust system work of the newly painted historic fire truck.



ANNUAL OPERATING BUDGET

\$ -

Dog Park Renovation

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 65,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 65,000

2018 -

2019 -

2020 -

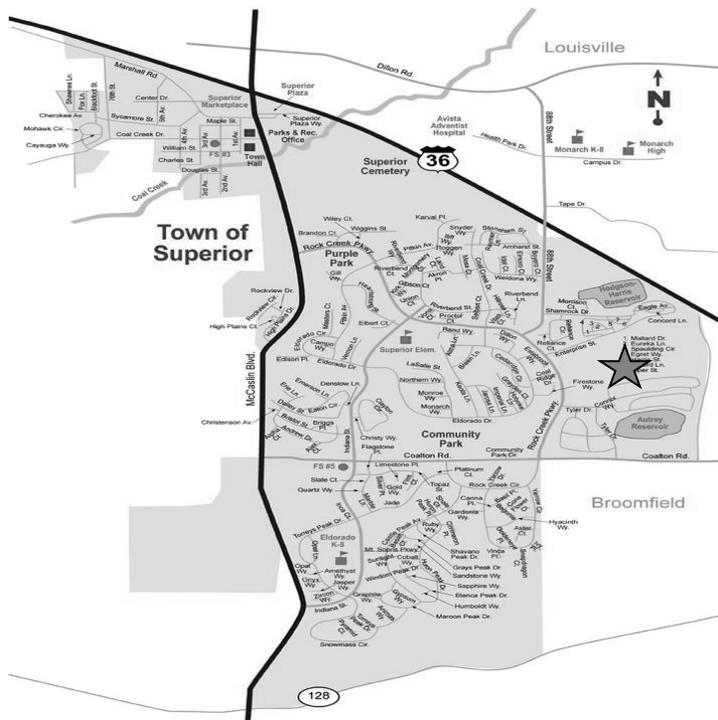
2021 -

Total Cost \$ 65,000

Total Cost \$ 65,000

PROJECT DESCRIPTION

Remove pea gravel. Replace sod, drainage and soils. Adjust irrigation system. Plan for 5-year renovation for sod dog park.



ANNUAL OPERATING BUDGET

\$ -

Williams Turf Field Entrance Enhancements

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 40,000

2018 -

2019 -

2020 -

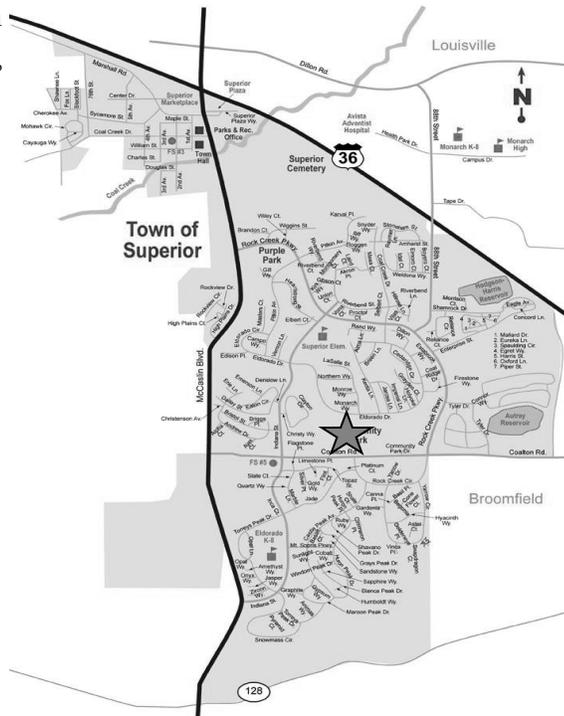
2021 -

\$ 40,000 **Total Cost**

Total Cost \$ 40,000

PROJECT DESCRIPTION

Replace crusher fine entry with concrete skirt on the southwest corner of the field to prevent rock, dirt and debris from impacting new synthetic turf system. This project will also enhance vehicle entry to fields for events.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Williams Field Scoreboard Replacement

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 30,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 30,000

2018 -

2019 -

2020 -

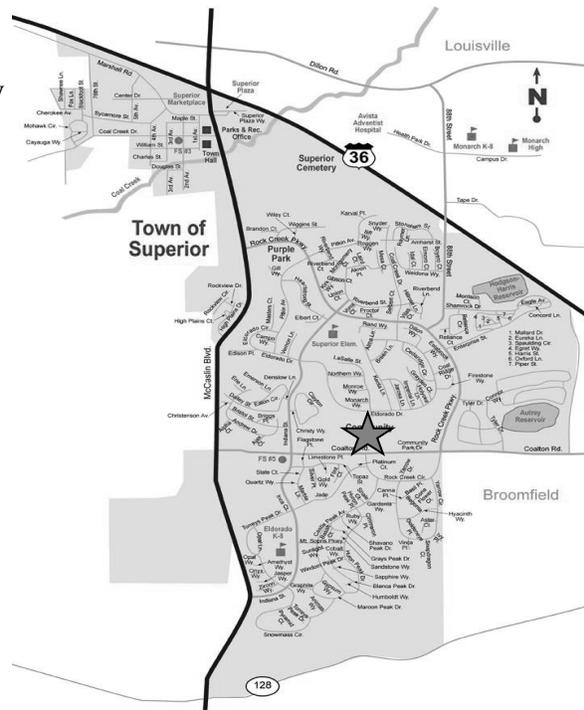
2021 -

\$ 30,000 **Total Cost**

Total Cost \$ 30,000

PROJECT DESCRIPTION

Funding will replace and update inoperable scoreboard to enhance game play at Williams Field. Existing scoreboard is outdated and not supported by the industry.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Turf Groomer

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 17,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 17,000

2018 -

2019 -

2020 -

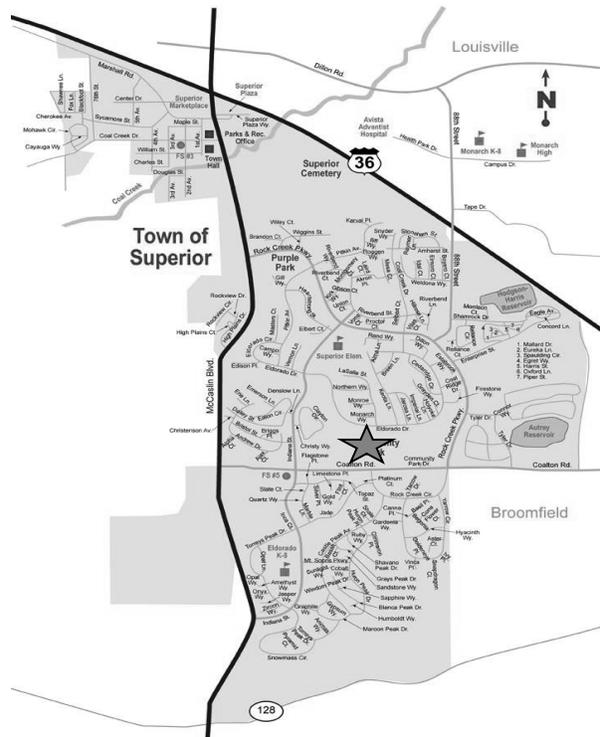
2021 -

\$ 17,000 **Total Cost**

Total Cost \$ 17,000

PROJECT DESCRIPTION

Funding will provide new turf groomer for Town staff use to reduce maintenance costs and prolong the life of the new synthetic turf system at Williams field.



ANNUAL OPERATING BUDGET IMPACT

\$ -

PROS Storage Shed at Community Park

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 27,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 27,000

2018 -

2019 -

2020 -

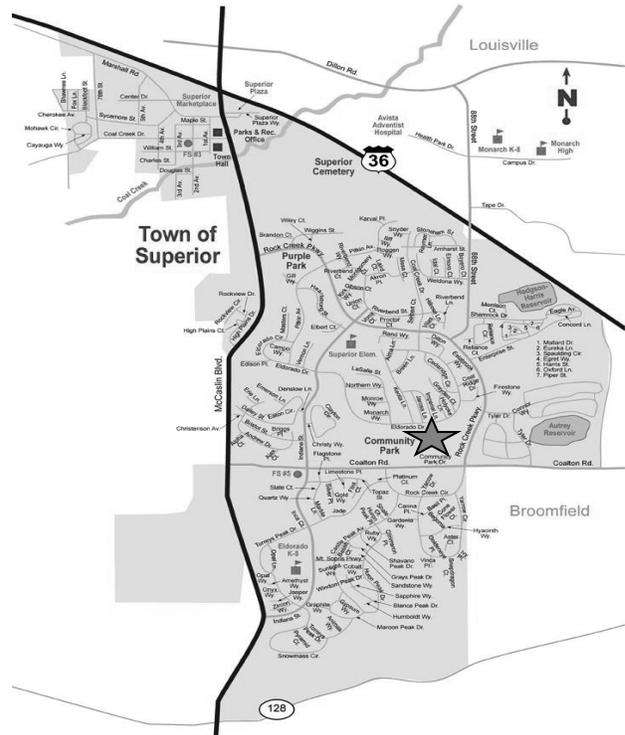
2021 -

\$ 27,000 **Total Cost**

Total Cost \$ 27,000

PROJECT DESCRIPTION

Rebuild and expand Community Park storage shed with concrete pad to hold ATV, turf groomer and Community Park maintenance equipment and material.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Yard Waste Site Improvements

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 20,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 20,000

2018 -

2019 -

2020 -

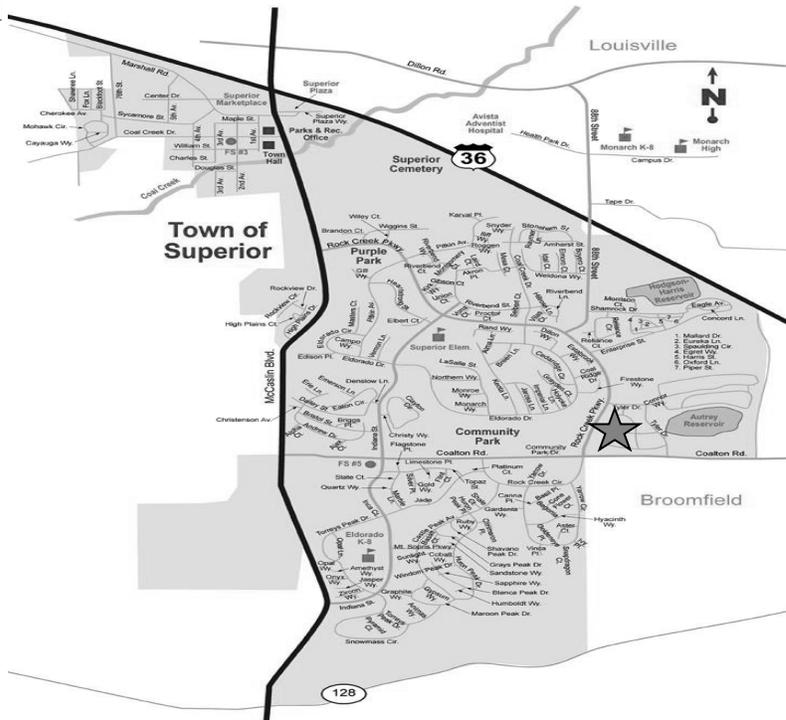
2021 -

\$ 20,000 Total Cost

Total Cost \$ 20,000

PROJECT DESCRIPTION:

Enlarge site by incorporating an unused portion of the landscape contractors storage yard to improve resident traffic flow in and out of site. Expand chain link fencing.



ANNUAL OPERATING BUDGET

\$ -

North Pool Cover and Building Expansion

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 50,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 50,000

2018 2,800,000

2019 -

2020 -

2021 -

\$ 50,000 **Total Cost**

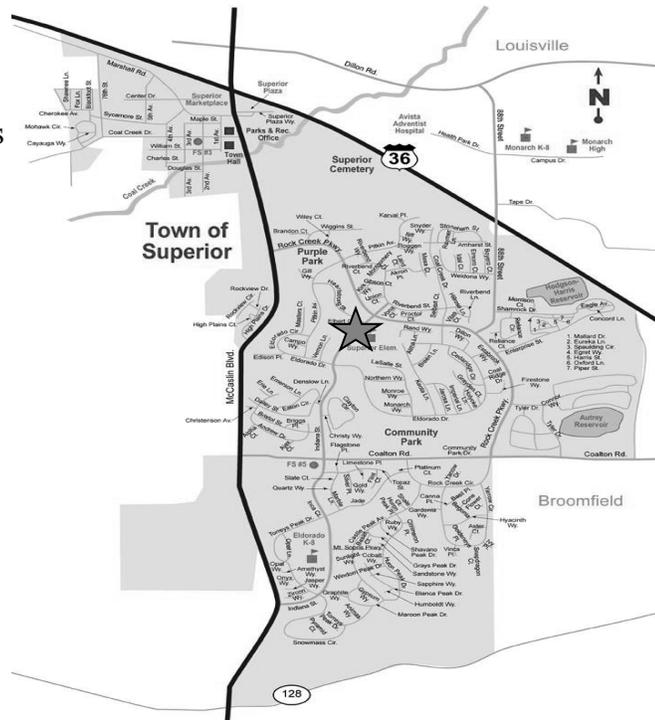
Total Cost \$ 2,850,000

PROJECT DESCRIPTION:

Transition of North Pool to a year round facility.

2017 - Public input and engagement to include review of indoor recreation amenities

2018 - One-time cost for cover and facility upgrades. To include year-round staffing and operations.



ANNUAL OPERATING BUDGET

\$ 500,000 General Fund

Tennis Court Improvements

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 5,000 Governmental Capital

BUDGET BY YEAR

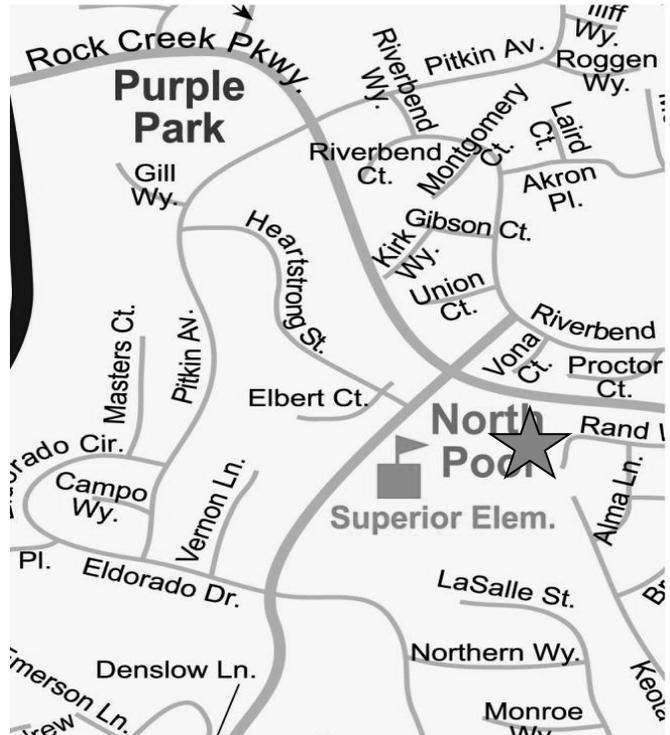
2017	\$ -
2018	5,000
2019	-
2020	-
2021	-

\$ 5,000 **Total Cost**

Total Cost \$ 5,000

PROJECT DESCRIPTION:

2018 - Five-year resurface cycle for four tennis courts.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Eldorado K-8 Field Improvements

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 250,000 Governmental Capital

BUDGET BY YEAR

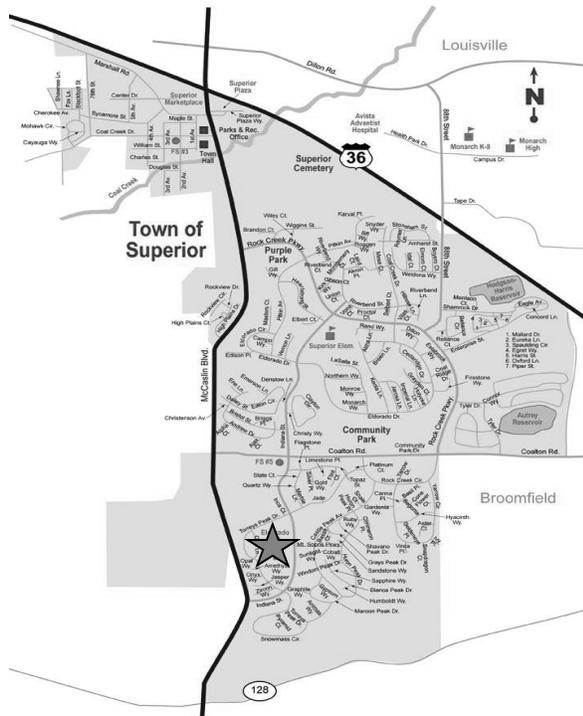
2017	\$ -
2018	250,000
2019	-
2020	-
2021	-

\$ 250,000 **Total Cost**

Total Cost \$ 250,000

PROJECT DESCRIPTION

Funding to replace the natural grass in the multi-purpose field at Eldorado K-8 with synthetic turf as part of a joint-use agreement with Boulder Valley School District. The field would be available to the community during non-school hours for programming.



ANNUAL OPERATING BUDGET

\$ -

Parking Lot Improvements (Overlay)

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Governmental Capital

BUDGET BY YEAR

2017	\$ -
2018	40,000
2019	-
2020	40,000
2021	100,000

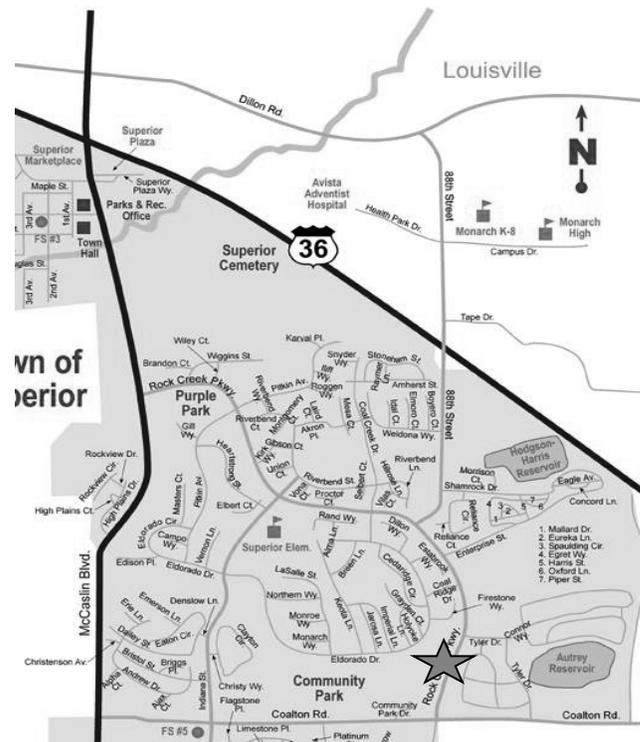
\$ 40,000 **Total Cost**

Total Cost \$ 180,000

PROJECT DESCRIPTION

This project will mill and overlay town owned parking lots.

- 2018 - Town Hall
- 2020 - South Pool
- 2021 - Community Park



ANNUAL OPERATING BUDGET IMPACT

\$ -

Pickleball Court

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 175,000 Governmental Capital

BUDGET BY YEAR

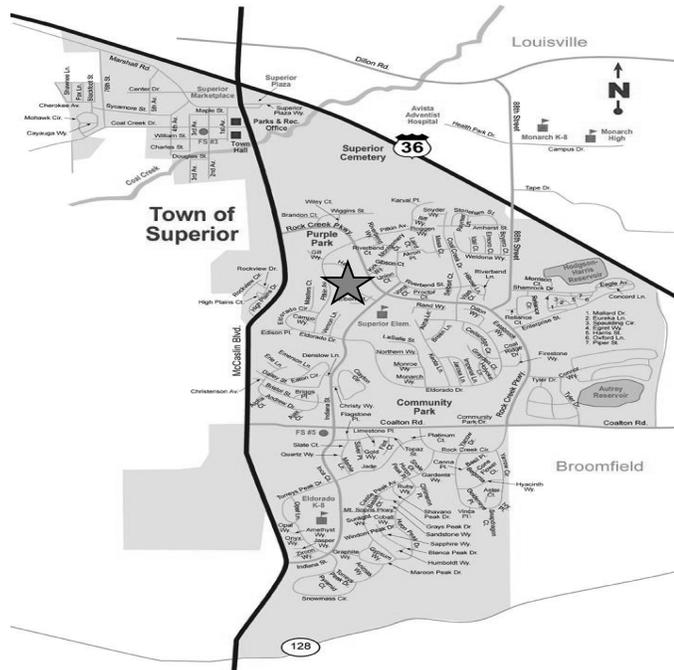
2017 \$ -
 2018 175,000
 2019 -
 2020 -
 2021 -

\$ 175,000 **Total Cost**

Total Cost \$ 175,000

PROJECT DESCRIPTION:

Construct two Pickleball Courts at North Pool.



ANNUAL OPERATING BUDGET

\$ 500 General Fund

Environmental "Green" Enhancements

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 30,000 Governmental Capital

BUDGET BY YEAR

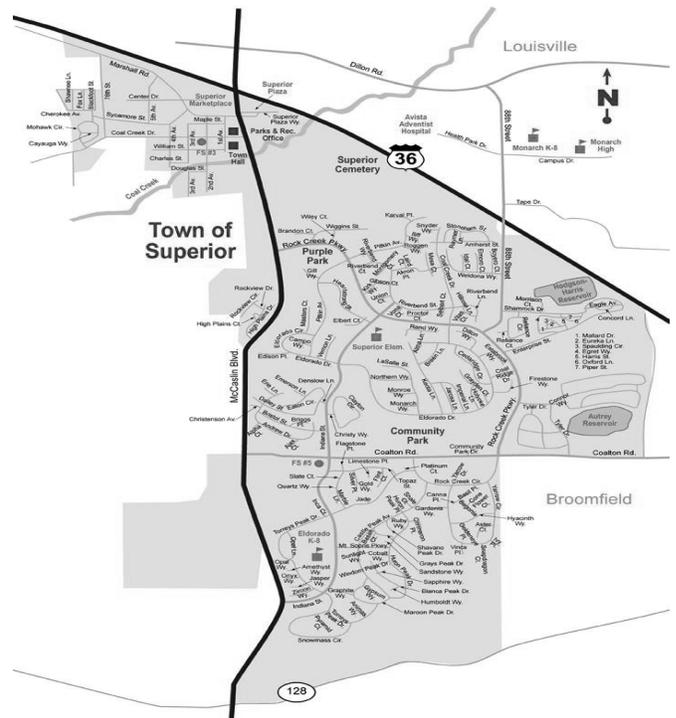
2017	\$ 30,000
2018	30,000
2019	30,000
2020	5,000
2021	5,000

\$ 30,000 **Total Cost**

Total Cost \$ 100,000

PROJECT DESCRIPTION:

New environmental "green" enhancements within Town. This includes possible projects such as: LED light conversion, HVAC system upgrades, solar conversions, and replacement of existing EV charging stations.



ANNUAL OPERATING BUDGET IMPACT

TBD

Server Replacement

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 15,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 15,000

2018 -

2019 15,000

2020 25,000

2021 15,000

\$ 15,000 **Total Cost**

Total Cost \$ 70,000

PROJECT DESCRIPTION:

Servers are on a 5 year replacement schedule. Staff will continue to evaluate the "cloud" as a cost effective and secure alternative

2017 - Replace Laserfiche

2019 - Replace GIS

2020 - Replace Main Server

2021 - Caselle

ANNUAL OPERATING BUDGET IMPACT

\$ -

Vehicle Replacement

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 35,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 35,000

2018 -

2019 -

2020 -

2021 -

\$ 35,000 **Total Cost**

Total Cost \$ 35,000

PROJECT DESCRIPTION:

Replacement of 2006 Ford Escape Hybrid (301)

ANNUAL OPERATING BUDGET IMPACT

\$ -

Town Hall Expansion

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 2,945,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 2,945,000

2018 -

2019 -

2020 -

2021 -

\$ 2,945,000 **Total Cost**

Total Cost \$ 2,945,000

PROJECT DESCRIPTION:

In addition to the current Town Hall location, additional Town administrative staff/contractors are in four separate locations including (1) Bungalow (Building Inspection and Permitting), (2) 127 Coal Creek Drive (Parks Recreation and Open Space), (3) 405 Center Street Unit E (Public Works/Utilities) and (4) 405 Center Street Unit F (Boulder County Sheriff). This physical separation contributes to staff inefficiencies as well as less than ideal service deliveries to our citizens and customers. A 10,000 square foot addition to the west of Town Hall on Town owned property is proposed to resolve these issues and enhance efficiencies and effective service delivery. Design planned to be complete in 2016. Architect construction oversight (\$85,000) and construction (\$2,860,000) in 2017. Funding through a loan.



ANNUAL OPERATING BUDGET IMPACT

\$ 14,000 Net budget impact for a full year

Public Art

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 50,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 50,000

2018 50,000

2019 50,000

2020 50,000

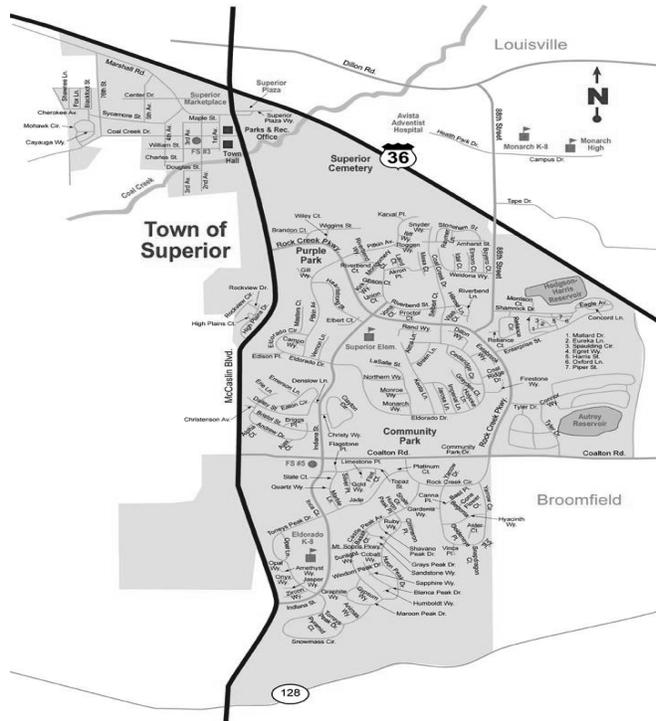
2021 50,000

\$ 50,000 **Total Cost**

Total Cost \$ 250,000

PROJECT DESCRIPTION

This project would implement the recommendations of the Arts Committee for art throughout Town. Additional monies are budgeted in SMID in 2017.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Monument Signs

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 25,000 Governmental Capital

BUDGET BY YEAR

2017 \$ 25,000

2018 -

2019 -

2020 15,000

2021 -

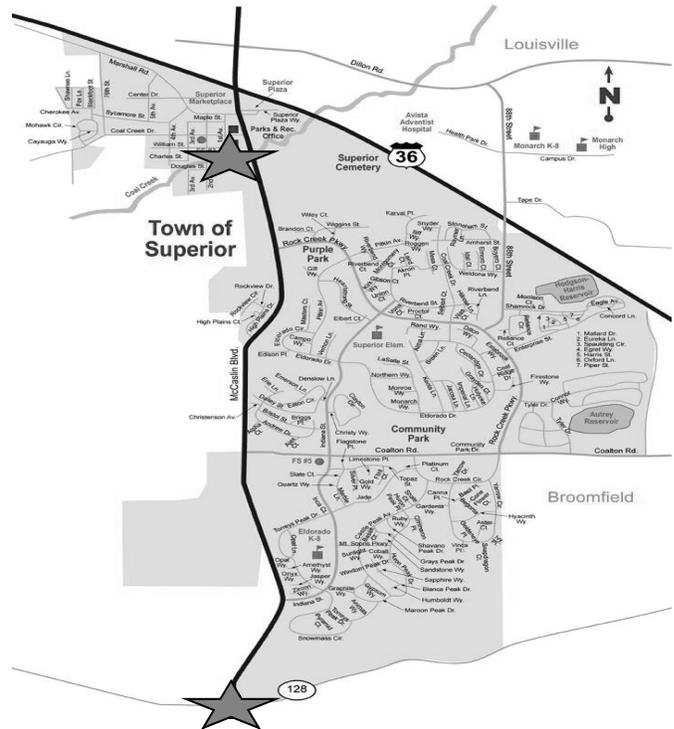
\$ 25,000 **Total Cost**

Total Cost \$ 40,000

PROJECT DESCRIPTION:

2017 - Evaluate signage options at Town Hall.

2020 - The Town will install monument signs with the Town's logo at the entrances to the Town of Superior, specifically at S.H. 128 and McCaslin Blvd.



ANNUAL OPERATING BUDGET IMPACT

\$ 500 Maintenance

**2017 - 2021 Superior Metropolitan District No. 1
Water Capital Improvement Program Budget Revenue (50)**

Acct #	Revenues	2017 Budget	2018 Projected Budget	2019 Projected Budget	2020 Projected Budget	2021 Projected Budget
36-6100	Interest Income	\$74,000	\$107,000	\$31,000	\$49,000	\$82,000
36-6341	Water System Development Fees	1,630,000	1,400,000	2,050,000	2,330,000	1,500,000
36-6344	Irrigation Tap Fees	20,000	20,000	20,000	40,000	-
36-6348	Effluent Water Leases	10,000	10,000	10,000	10,000	-
36-6953	Transfer from Operations Service Fees	177,000	211,115	796,748	327,400	228,072
36-6710	Windy Gap Financing	-	10,500,000	-	-	-
	Use of / (Addition to) Net Assets	(809,000)	8,083,000	(918,000)	(1,586,000)	(614,000)
		\$1,102,000	\$20,331,115	\$1,989,748	\$1,170,400	\$1,196,072

**2017 - 2021 Superior Metropolitan District No. 1
Water Capital Improvement Program Budget Expense (50-499)**

Acct #	Expenses	2017 Budget	2018 Projected Budget	2019 Projected Budget	2020 Projected Budget	2021 Projected Budget
3340	Filter Media Replacement	\$55,000	\$-	\$55,000	\$55,000	\$55,000
6132	WTP Clarifloculator Rebuild/Replacement	15,000	-	-	-	150,000
6135	Reuse System Upgrades	55,000	120,000	-	-	-
6141	WTP Concentration Time Study	25,000	75,000	-	-	-
6144	Sonic Solutions for Algae control @ Terminal and Pond 5	40,000	-	-	-	-
6145	Fiberglass Tanks Piping Overhaul	17,500	-	-	-	-
6146	WTP Building Maintenance	10,000	-	-	-	-
6147	WTP Terminal Reservoir Maintenance	30,000	-	-	-	-
6155	Water System Controls	35,000	-	-	-	-
6157	Irrigation Valve Installations	65,000	65,000	65,000	65,000	-
6159	Fire Hydrant Replacement	20,500	21,115	21,748	22,400	23,072
6271	FRICO Pipeline Maintenance	14,000	-	55,000	-	-
6490	Purple Park Ditch Improvements	100,000	-	-	-	-
6780	Windy Gap Firming	620,000	20,000,000	-	-	-
6043	Water Tank Fence Improvements	-	-	40,000	-	-
6061	Irrigation Storage Tank Floating Cover Replace	-	-	200,000	-	-
6148	WTP Sludge Drying Beds	-	50,000	500,000	-	-
6149	Water Storage Tank Rehabilitation	-	-	160,000	130,000	-
6300	Vehicle Replacement	-	-	35,000	55,000	-
6781	Windy Gap Loan Repayment	-	-	843,000	843,000	843,000
6880	Water Storage Tank Cleaning	-	-	15,000	-	-
6421	Building-PW/Parks Maint & Oper.	-	-	-	-	125,000
		\$1,102,000	\$20,331,115	\$1,989,748	\$1,170,400	\$1,196,072

Filter Media Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 55,000 Water Capital

BUDGET BY YEAR

2017 \$ 55,000

2018 -

2019 55,000

2020 55,000

2021 55,000

\$ 55,000 **Total Cost**

Total Cost \$ 220,000

PROJECT DESCRIPTION

This project will provide for replacement of filter media in the finished potable water filters at the water treatment plant. The project will also include sandblasting and repainting of the internal piping and troughs. Replace media per the recommended 5-7 year replacement schedule.

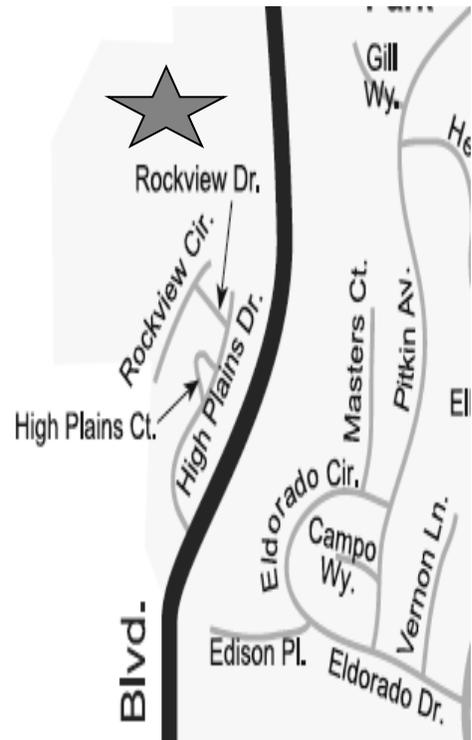
WTP filter media replacement schedule:

2017 - Filter 4

2019 - Filter 1

2020 - Filter 2

2021 - Filter 3



ANNUAL OPERATING BUDGET IMPACT

\$ -

WTP Clarifloculator Rebuild/Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 15,000 Water Capital

BUDGET BY YEAR

2017 \$ 15,000

2018 -

2019 -

2020 -

2021 150,000

\$ 15,000 **Total Cost**

Total Cost \$ 165,000

PROJECT DESCRIPTION

Upgrades for the first year include some minor equipment replacements. Major upgrades include protection from the wind, probable solutions includes covers, floating and stationary and barriers. The wind, especially on the west clarifloculator, creates waves that carry the floc over the weirs and into the filters resulting in higher filter backwashing rates. 2021 may start redesign for new systems depending on the longevity and condition after the upgrades.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Reuse System Upgrades

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 55,000 Water Capital

BUDGET BY YEAR

2017 \$ 55,000

2018 120,000

2019

2020 -

2021 -

\$ 55,000 **Total Cost**

Total Cost \$ 175,000

PROJECT DESCRIPTION

The project scope includes installing system wide modifications for the irrigation system based on the outcome of the 2015 reuse/irrigation master plan.

2017: Mica pump station improvements. Two (2) pumps need replaced.

2018: Pond 5 - replace the tank zone pumps (3) and valves.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WTP Concentration Time Study

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 25,000 Water Capital

BUDGET BY YEAR

2017	\$ 25,000
2018	75,000
2019	-
2020	-
2021	-

\$ 25,000 **Total Cost**

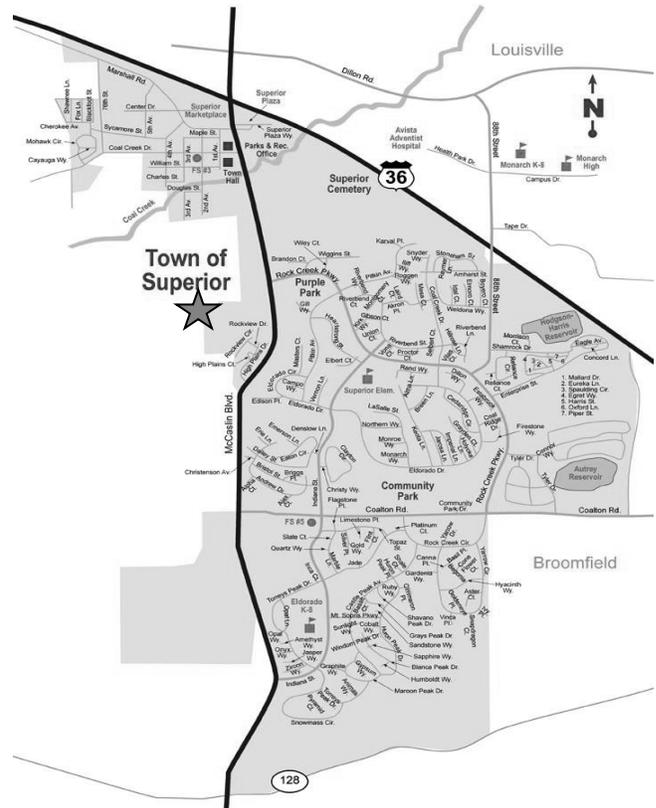
Total Cost \$ 100,000

PROJECT DESCRIPTION

New regulations are requiring evaluation of the chlorine concentration time (CT) calculation for treated water before it reaches the first user.

2017: Conduct a CT study is a formal determination of the disinfectant concentrations and the effective contact time provided by a given treatment plant.

2018: Contact time upgrades to the WTP as determined in the 2016 CT (tracer) study. The upgrades may include a bank of buried serpentine pipelines; concrete baffles or reconfigured pipe diffusion and baffling in the storage tank.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Sonic Solutions for Algae control @ Terminal and Pond 5

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Water Capital

BUDGET BY YEAR

2017 \$ 40,000

2018

2019 -

2020 -

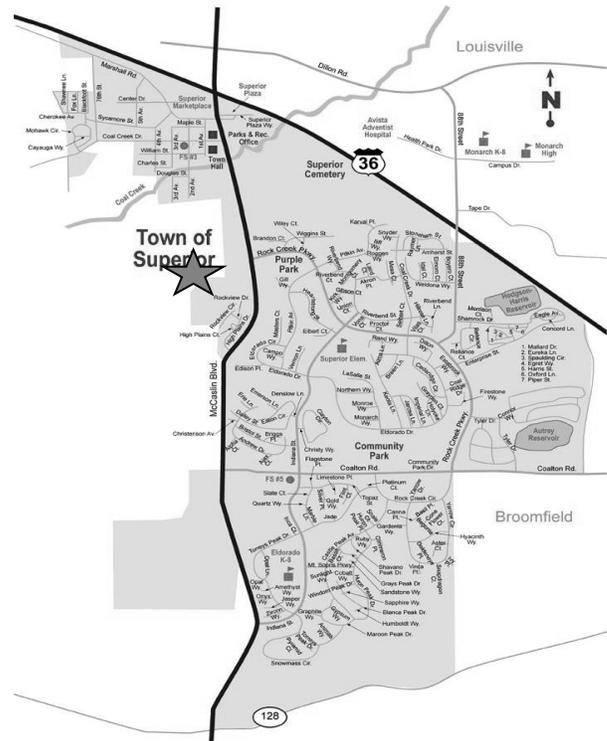
2021 -

\$ 40,000 **Total Cost**

Total Cost \$ 40,000

PROJECT DESCRIPTION

This project would install sonic devices (in lieu of chemicals) at Terminal Reservoir (water treatment plant) to prevent algae growth. Algae contributes to odor and taste problems and can be difficult to remove once in the distribution system, whether reuse or potable water.



ANNUAL OPERATING BUDGET IMPACT

\$ 1,000

Fiberglass Tanks Piping Overhaul

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 17,500 Water Capital

BUDGET BY YEAR

2017 \$ 17,500

2018 -

2019 -

2020 -

2021 -

\$ 17,500 **Total Cost**

Total Cost \$ 17,500

PROJECT DESCRIPTION

This project consists of moving the piping coming from these tanks out of the way so that the piping is not broken from someone tripping on it. Also the fittings coming off of the tank are PVC, and should be stainless steel then transition back to PVC. Earlier this year the PVC fittings broke coming directly out of the tank and the isolation valve was on the section that broke off. Operators had to scramble to plug the pipe until we were able to fix the broken fitting.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WTP Building Maintenance

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 10,000 Water Capital

BUDGET BY YEAR

2017 \$ 10,000

2018 -

2019 -

2020 -

2021 -

\$ 10,000 **Total Cost**

Total Cost \$ 10,000

PROJECT DESCRIPTION

The gutters on the main filter building and the distribution pump station do not function properly and leak sending rain water down the sides of the building and onto entrance walks causing ice build up in the winter.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WTP Terminal Reservoir Maintenance

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 30,000 Water Capital

BUDGET BY YEAR

2017 \$ 30,000

2018 -

2019 -

2020 -

2021 -

\$ 30,000 **Total Cost**

Total Cost \$ 30,000

PROJECT DESCRIPTION

Terminal Reservoir is in need of some major ground maintenance. Weeds have been growing through the protective rip rap causing gaps and generally unsightly.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Water System Controls

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 35,000 Water Capital

BUDGET BY YEAR

2017 \$ 35,000

2018

2019 -

2020 -

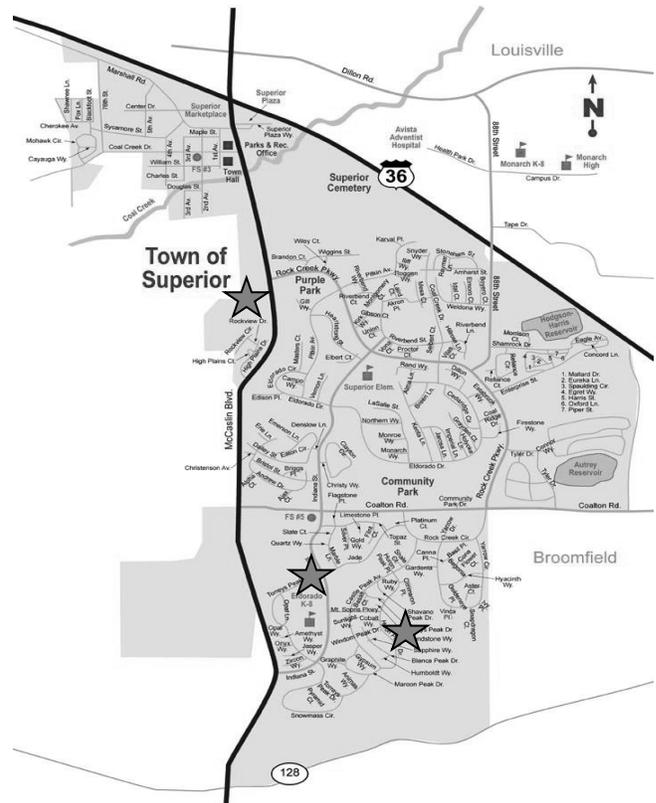
2021 -

\$ 35,000 **Total Cost**

Total Cost \$ 35,000

PROJECT DESCRIPTION

This project provides upgrades to various components that are responsible for automatic operation of the Town's water supply systems.
2017 - Rewrite high zone PLC (\$5,000); replace high zone PLC (\$25,000); add high zone PLC to SCADA (\$5,000)



ANNUAL OPERATING BUDGET IMPACT

\$ -

Irrigation Valve Installations

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 65,000 Water Capital

BUDGET BY YEAR

2017 \$ 65,000

2018 65,000

2019 65,000

2020 65,000

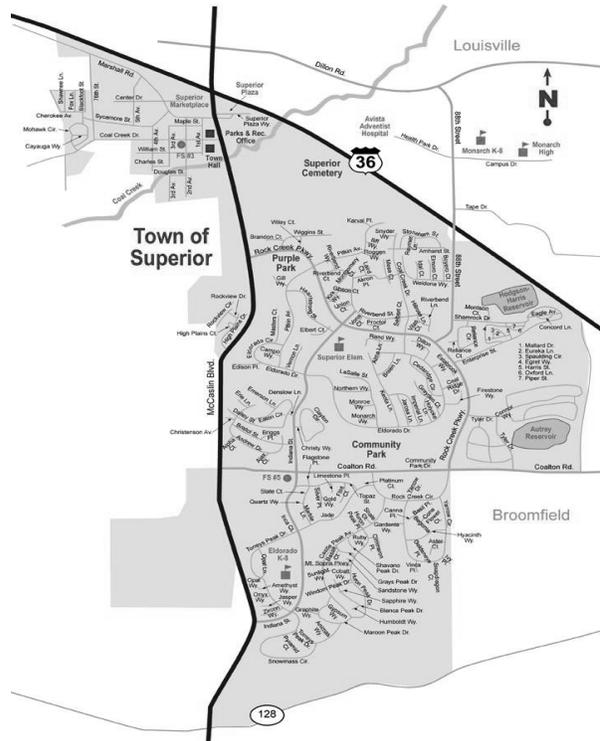
2021

\$ 65,000 **Total Cost**

Total Cost \$ 260,000

PROJECT DESCRIPTION

This project will provide approximately ten (2/year) isolation valves, blow offs and/or hydrants (1/year) for the reuse mainlines. Currently there is no way to repair mains without shutting down entire areas of the system which can take all day to drain.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Fire Hydrant Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 20,500 Water Capital

BUDGET BY YEAR

2017 \$ 20,500

2018 21,115

2019 21,748

2020 22,400

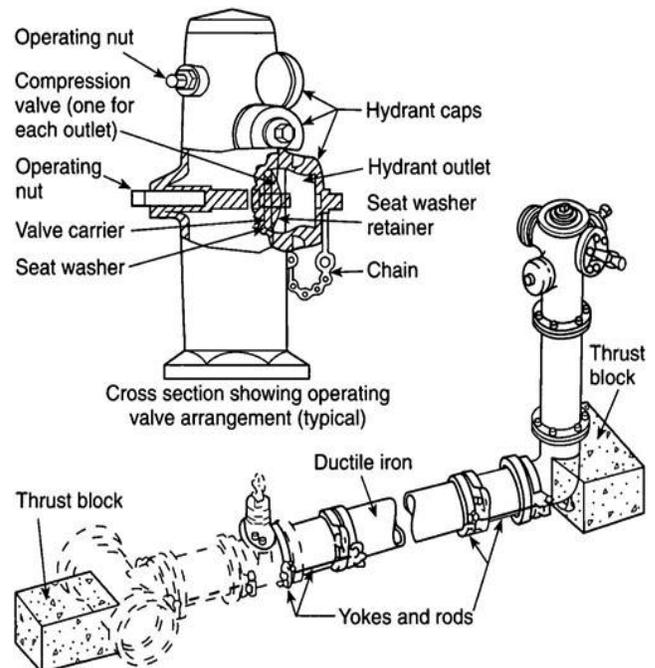
2021 23,072

\$ 20,500 **Total Cost**

Total Cost \$ 108,835

PROJECT DESCRIPTION

This project will replace old and damaged hydrants.



ANNUAL OPERATING BUDGET IMPACT

\$ (500)

FRICO Pipeline Maintenance

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 14,000 Water Capital

BUDGET BY YEAR

2017 \$ 14,000

2018 -

2019 55,000

2020 -

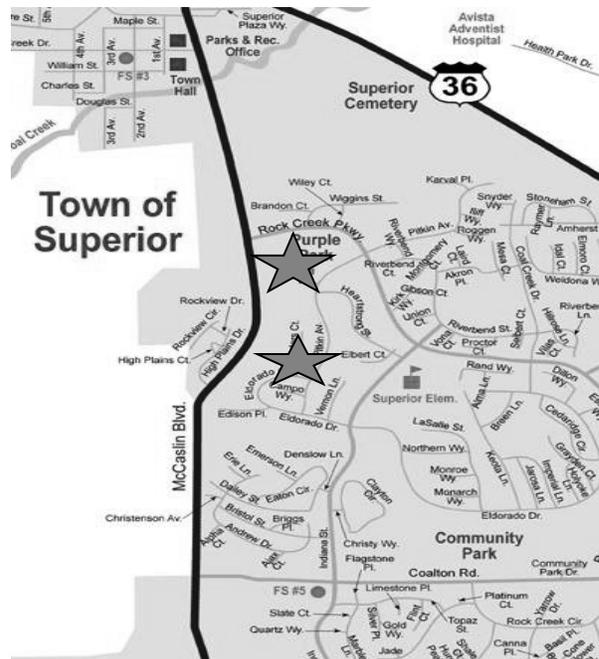
2021 -

\$ 14,000 **Total Cost**

Total Cost \$ 69,000

PROJECT DESCRIPTION

Scope includes grout injection to mitigate leaking joints in the Community Ditch pipeline as identified in the Farms Reservoir and Irrigation Company (FRICO) ditch report. Also, replace line-valves which have failed.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Purple Park Ditch Repair

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 100,000 Water Capital

BUDGET BY YEAR

2017 \$ 100,000

2018

2019

2020 -

2021 -

\$ 100,000 **Total Cost**

Total Cost \$ 100,000

PROJECT DESCRIPTION

The ditch that conveys water from Terminal Reservoir to Pond 5 for our Irrigation system requires repair. The water flows normally down the ditch and then disappears, underneath the normal invert of the ditch, and then reappears approximately 50 ft. downstream.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Windy Gap Firming

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 620,000 Water Capital

BUDGET BY YEAR

2017 \$ 620,000

2018 20,000,000

2019 -

2020 -

2021 -

\$ 620,000 **Total Cost**

Total Cost \$ 20,620,000

PROJECT DESCRIPTION

Superior Metropolitan District No. 1's (SMD1) contribution to the Windy Gap Firming Project based upon the number of shares owned by SMD1. Windy Gap diverts water from the Colorado River to the Front Range via the Federal Colorado-Big Thompson Project on a space available basis. The Windy Gap Firming Project will store Windy Gap water in the Chimney Hollow Reservoir to ensure reliable future deliveries. The construction of Chimney Hollow Reservoir (total project estimated at \$400 million, split between 13 entities) will provide 4,500 ac-ft. of storage dedicated to the Town.

2017 - Design

2018 - Construction

ANNUAL OPERATING BUDGET IMPACT

\$ 34,000 Beginning in 2021



Water Tank Fence Improvements

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Water Capital

BUDGET BY YEAR

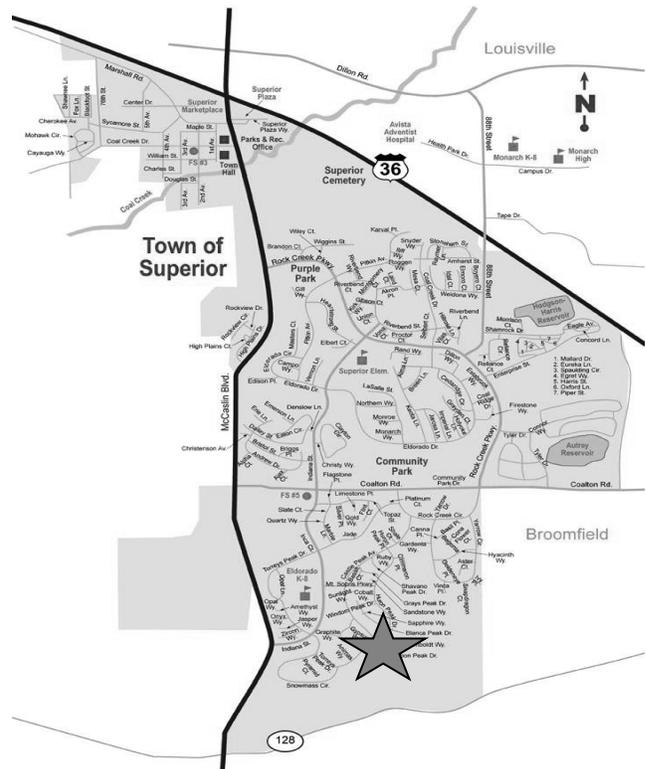
2017	\$	-
2018		-
2019		40,000
2020		-
2021		-

\$ 40,000 **Total Cost**

Total Cost \$ 40,000

PROJECT DESCRIPTION

This project provides for demolition of the existing fence and the design and construction of a new fence around the 1.4 million gallon (MG) covered irrigation system storage tank. It is proposed to install a new heavy duty fence to withstand future damage due to wind and vandalism as well as improved security. Estimate is for 800 feet of 8 foot high hurricane fence, vinyl coated at \$45/ft. (\$36,000) plus \$4,000 for removing and disposing of existing fence.



ANNUAL OPERATING BUDGET IMPACT

\$ (2,000)

Irrigation Storage Tank Floating Cover Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 200,000 Water Capital

BUDGET BY YEAR

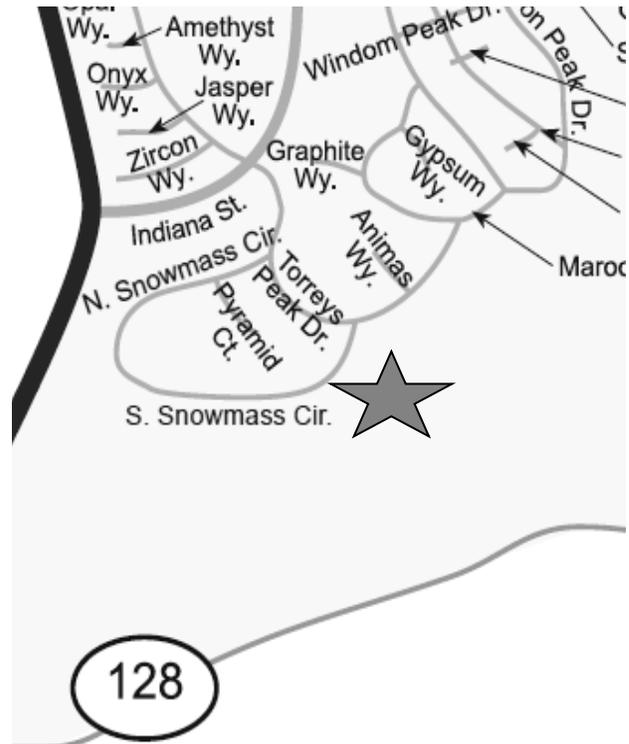
2017	\$ -
2018	-
2019	200,000
2020	-
2021	-

\$ 200,000 **Total Cost**

Total Cost \$ 200,000

PROJECT DESCRIPTION

This project provides for replacement of the existing floating cover on the reuse system storage tank. The existing cover is aging and approaching the end of its lifecycle. The cover has been slated for replacement for years. As an alternative, staff will evaluate whether the existing soil and plant growth on the cover can be removed without damage to the structure.



ANNUAL OPERATING BUDGET IMPACT

\$ 1,000

WTP Sludge Drying Beds

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 50,000 Water Capital

BUDGET BY YEAR

2017	\$ -
2018	50,000
2019	500,000
2020	-
2021	-

\$ 50,000 **Total Cost**

Total Cost \$ 550,000

PROJECT DESCRIPTION

This project will provide drying beds for the solids that come off of the bottom of the clarifloculators and produced when back washing the filters. Currently we contract to have the back wash pond dredged which is becoming a costly task and more importantly the state is going to start regulating water treatment plants to provide a means of dewatering sludge before sending to landfills.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Water Storage Tank Cleaning

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 15,000 Water Capital

BUDGET BY YEAR

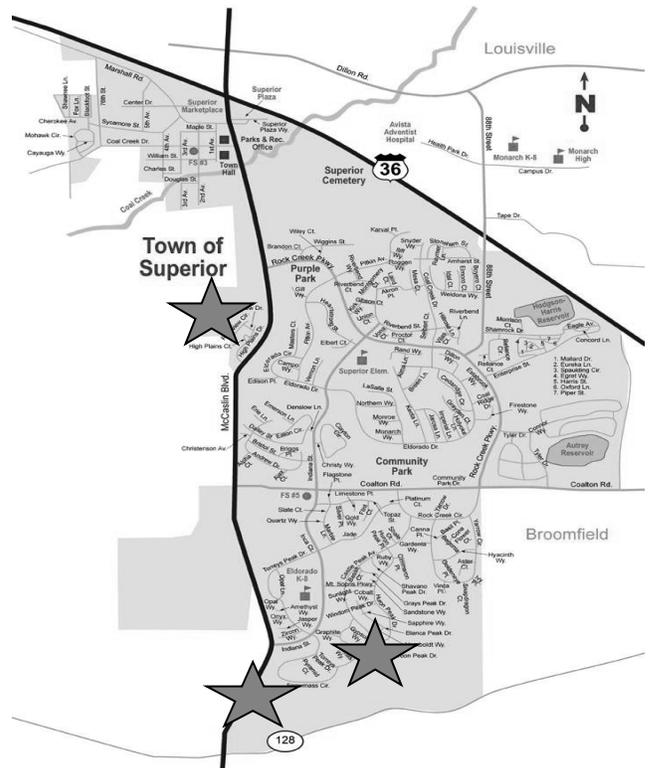
2017	\$	-
2018		-
2019		15,000
2020		-
2021		-

\$ 15,000 **Total Cost**

Total Cost \$ 15,000

PROJECT DESCRIPTION

This project provides for cleaning all the potable water storage tanks including; (1) 0.5 million-gallon (MG) high zone tank, (2) the 1.5 MG low zone tank, and (3) the 1.4 MG tank at the water treatment plant.



ANNUAL OPERATING BUDGET IMPACT

\$ -

**2017 - 2021 Superior Metropolitan District No. 1
Wastewater Capital Improvement Program Budget Revenue (51)**

Acct #	Revenues	2017 Budget	2018 Projected Budget	2019 Projected Budget	2020 Projected Budget	2021 Projected Budget
36-6100	Interest Income	\$11,000	\$21,000	\$31,000	\$38,000	\$40,000
36-6341	Wastewater System Development Fees	540,000	500,000	525,000	675,000	400,000
36-6953	Transfer from Operation User Fees	394,000	1,050,000	336,000	233,000	849,800
	Use of / (Addition to) Net Assets	(551,000)	(521,000)	(141,000)	234,000	1,609,000
		\$394,000	\$1,050,000	\$751,000	\$1,180,000	\$2,898,800

**2017 – 2021 Superior Metropolitan District No. 1
Wastewater Capital Improvement Program Budget Expense (51-499)**

Acct #	Expenses	2017 Budget	2018 Projected Budget	2019 Projected Budget	2020 Projected Budget	2021 Projected Budget
6279	WWTP Process Pump Maintenance	137,000	-	-	-	-
6282	WWTP Equalization Pond Liner Repair	65,000	650,000	-	-	-
6283	WWTP Process Equipment Repair	10,000	-	-	-	-
6285	WWTP Filter Media and Underdrain Replacement	40,000	40,000	-	-	-
6237	WWTP Building Upgrades	12,000	-	-	-	-
6238	WWTP Auxiliary Equipment	40,000	-	-	-	-
6239	WWTP Biological Nutrient Removal	80,000	-	-	-	334,200
6240	WWTP Digester Decant System	10,000	40,000	-	-	-
6235	WWTP Site Improvements (Drainage)	-	20,000	130,000	-	-
6284	Sanitary Sewer Manhole and Line Rehabilitation	-	100,000	50,000	100,000	-
6300	Vehicle Replacement	-	200,000	21,000	33,000	-
	WWTP Sodium Bicarbonate Piping & Tank Overhaul	-	-	35,000	-	-
6236	WWTP Miscellaneous Improvements	-	-	100,000	100,000	100,000
	WWTP Aeration Basin Expansion & Modification	-	-	415,000	415,000	1,442,000
	WWTP New Secondary Clarifier Replacement	-	-	-	532,000	532,000
6081	Town Wide Collection System Video Assessment	-	-	-	-	35,000
6289	WWTP Headworks Reconstruction	-	-	-	-	270,600
6421	Building-PW/Parks Maint. & Oper.	-	-	-	-	75,000
	WWTP Sludge Dewatering Improvements	-	-	-	-	110,000
		\$394,000	\$1,050,000	\$751,000	\$1,180,000	\$2,898,800

WWTP Process Pump Maintenance

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 137,000 Sewer Capital

BUDGET BY YEAR

2017 \$ 137,000

2018 -

2019 -

2020 -

2021 -

\$ 137,000 **Total Cost**

Total Cost \$ 137,000

PROJECT DESCRIPTION

Replace three advanced wastewater treatment pumps in basement of secondary process building. Install variable frequency drives for the reuse pumps in lieu of pump control valves (\$112K). Rebuild backwash pumps (\$25K).



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Equalization Pond Liner Repair

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 65,000 Sewer Capital

BUDGET BY YEAR

2017 \$ 65,000

2018 650,000

2019 -

2020 -

2021 -

\$ 65,000 **Total Cost**

Total Cost \$ 715,000

PROJECT DESCRIPTION

Replacement/repair of a damaged equalization pond liner at the Waste Water Treatment Plant (WWTP). Dredge, reline, cover, and potentially use for future reuse water storage.

2017 - Design

2018 - Construction



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Process Equipment Repair

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 10,000 Sewer Capital

BUDGET BY YEAR

2017 \$ 10,000

2018 -

2019 -

2020 -

2021 -

\$ 10,000 **Total Cost**

Total Cost \$ 10,000

PROJECT DESCRIPTION

Provide two (2) new check valves for the grit pumps.



ANNUAL OPERATING BUDGET IMPACT

TBD

WWTP Filter 1 Media & Underdrain Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Sewer Capital

BUDGET BY YEAR

2017 \$ 40,000

2018 40,000

2019 -

2020 -

2021 -

Total Cost \$ 40,000

Total Cost \$ 80,000

PROJECT DESCRIPTION

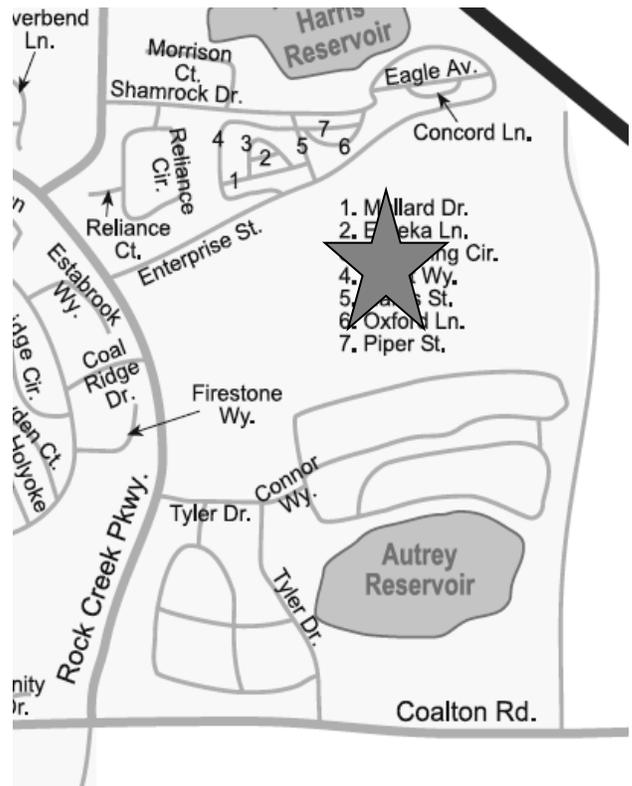
2017: This project replaces media filter 1. Inspect underdrain for evaluation of replacement.

2018: Replace media filter 2.

Underdrains usually last an average of 20 years. Filter 1's under drain is 23 years old and filter 2's is 12 years old.

ANNUAL OPERATING BUDGET IMPACT

TBD



WWTP Building Upgrades

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 12,000 Sewer Capital

BUDGET BY YEAR

2017 \$ 12,000

2018 -

2019 -

2020 -

2021 -

\$ 12,000 **Total Cost**

Total Cost \$ 12,000

PROJECT DESCRIPTION

New gutters on all buildings at the Wastewater Treatment Plant.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Auxiliary Equipment

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Sewer Capital

BUDGET BY YEAR

2017 \$ 40,000

2018 -

2019 -

2020 -

2021 -

\$ 40,000 **Total Cost**

Total Cost \$ 40,000

PROJECT DESCRIPTION

New 6" trash pump. We use one frequently (rent) to bypass processes during maintenance and flow emergencies.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Biological Nutrient Removal (BNR) Upgrades

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 80,000 Sewer Capital

BUDGET BY YEAR

2017 \$ 80,000

2018 -

2019 -

2020 -

2021 334,200

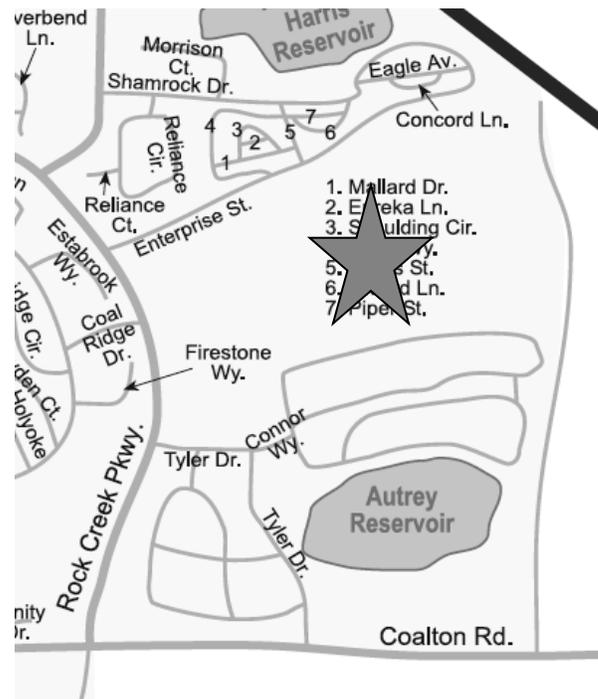
\$ 80,000 Total Cost

Total Cost \$ 414,200

PROJECT DESCRIPTION

Installation of an internal recycle system in the aeration basins to promote denitrification for total nitrate removal based on the upcoming Regulation 85 to get our limit of effluent total inorganic nitrates down to 10 mg/L, currently we remove to about 20 mg/L. Denitrification is an integral part of most BNR systems. It typically involves recycling nitrified mixed liquor via low-head pumps to one of the anoxic cells. Low-head pumps are used because the MLR (mixed liquor recycle) typically is moved a short distance, needs little or no valving, and enters a wastewater surface only a few inches higher than the one it left.

Note: Federally Mandated Project



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Digester Decant System

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 10,000 Sewer Capital

BUDGET BY YEAR

2017 \$ 10,000

2018 40,000

2019 -

2020 -

2021 -

\$ 10,000 **Total Cost**

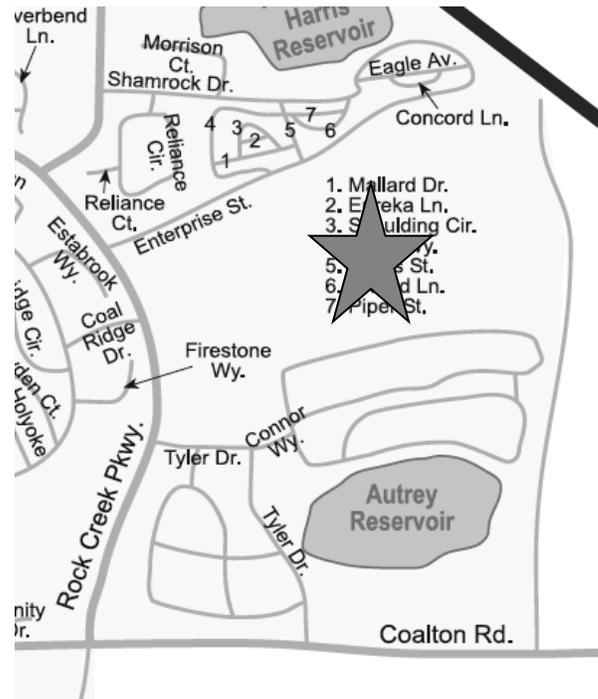
Total Cost \$ 50,000

PROJECT DESCRIPTION

This project will provide direct bury of a temporary surface hose that pulls the water from the top of the digester (decants) to help thicken the solids.

2017: Planning and design.

2018: Construction



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Site Drainage Improvements

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 20,000 Sewer Capital

BUDGET BY YEAR

2017	\$ -
2018	20,000
2019	130,000
2020	-
2021	-

\$ 20,000 **Total Cost**

Total Cost \$ 150,000

PROJECT DESCRIPTION

This project will address a long standing issue at the wastewater treatment plant (WWTP) of poor drainage/standing water from the entrance gate to the sludge docking bay, through the parking lot and out to the holding ponds and eventually to Rock Creek.

2018 - Design

2019 - Construction



ANNUAL OPERATING BUDGET IMPACT

\$ -

Sanitary Sewer Manhole & Lines Rehabilitation

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 100,000 Sewer Capital

BUDGET BY YEAR

2017	\$ -
2018	100,000
2019	50,000
2020	100,000
2021	-

\$ 100,000 **Total Cost**

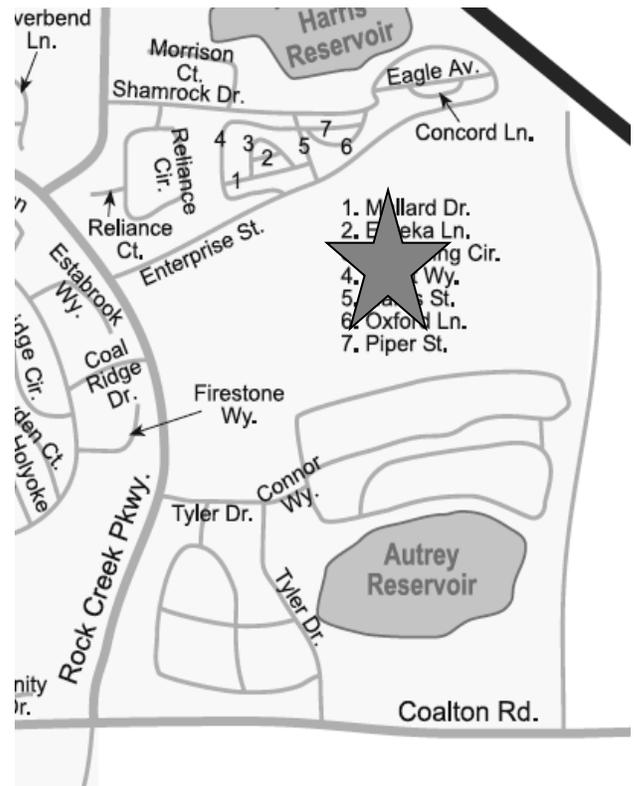
Total Cost \$ 250,000

PROJECT DESCRIPTION

Rehabilitation of sewer manholes with infiltration issues and sagging pipelines, which will have significant infiltration. This increased flow puts a strain on the WWTP.

ANNUAL OPERATING BUDGET IMPACT

\$ (1,000)



WWTP Sodium Bicarbonate Piping and Tank Overhaul

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 35,000 Sewer Capital

BUDGET BY YEAR

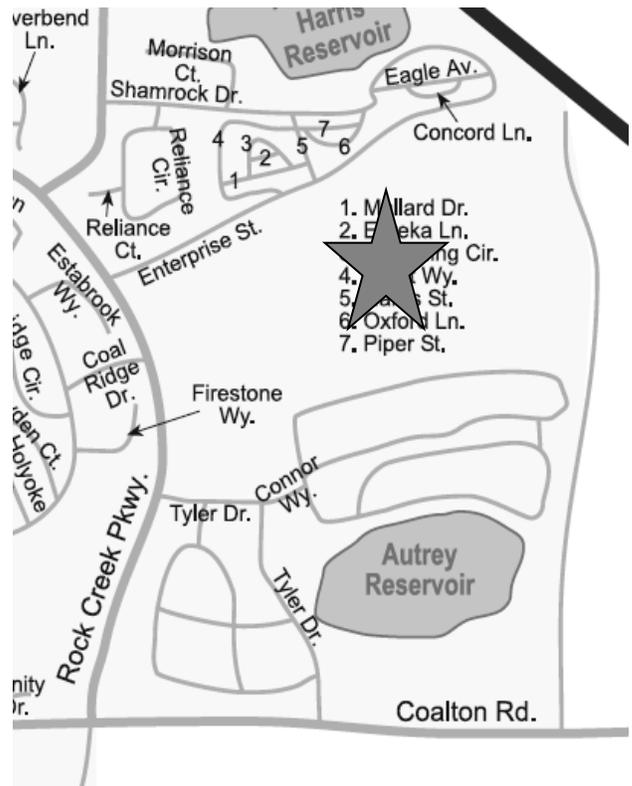
2017	\$ -
2018	-
2019	35,000
2020	-
2021	-

\$ 35,000 **Total Cost**

Total Cost \$ 35,000

PROJECT DESCRIPTION

This project will rebuild/replace piping and valves associated with the storage and distribution of the sodium bicarbonate. The storage tank has experienced some minor leakage and will be relined or coated.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Miscellaneous Improvements

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 100,000 Sewer Capital

BUDGET BY YEAR

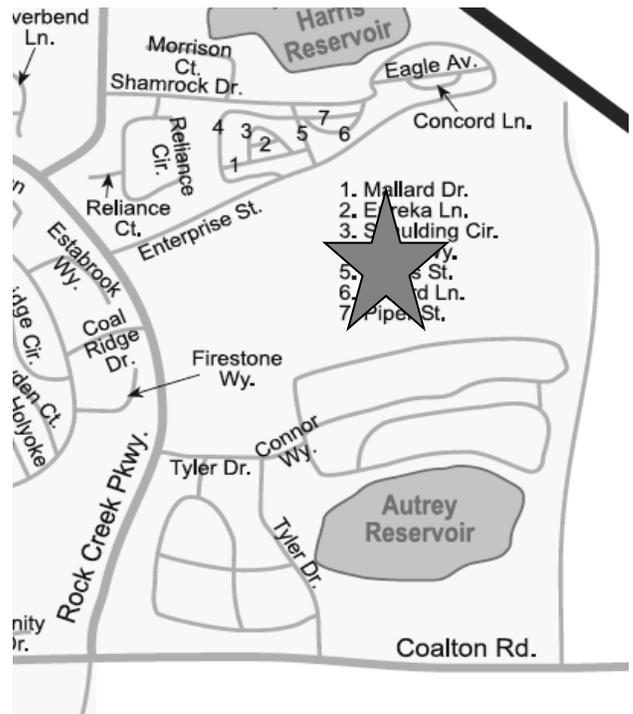
2017	\$ -
2018	
2019	100,000
2020	100,000
2021	100,000

\$ 100,000 **Total Cost**

Total Cost \$ 300,000

PROJECT DESCRIPTION

This project is intended to provide a reserve for yet to be identified capital improvements at the Waste Water Treatment Plant (WWTP). Town staff and our professional consultants will continue to work to identify specific longer term maintenance capital needs as well as Federal/State mandated projects.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Aeration Basin Expansions and Modifications

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 415,000 Sewer Capital

BUDGET BY YEAR

2017	\$ -
2018	-
2019	415,000
2020	415,000
2021	1,442,000

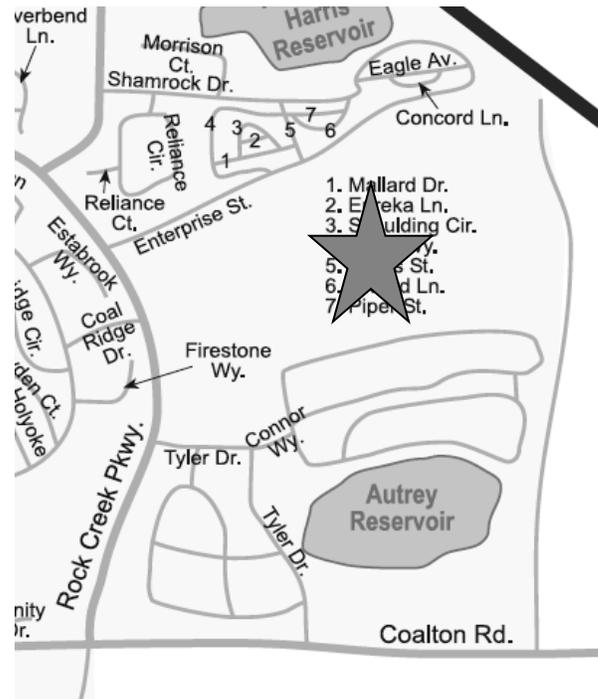
\$ 415,000 **Total Cost**

Total Cost \$ 2,272,000

PROJECT DESCRIPTION

Preliminary design of new aeration basins and a new secondary clarifier to meet the redundancy requirements. This design improvement also provides compliance towards Regulatory 85 nutrient removal by adding the ability to denitrify the waste and phosphorus removal. Final design scheduled for 2019 - 2020, with construction anticipated to begin in 2021.

Note: Federally Mandated Project



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP New Secondary Clarifier Modification

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 532,000 Sewer Capital

BUDGET BY YEAR

2017	\$ -
2018	-
2019	-
2020	532,000
2021	532,000

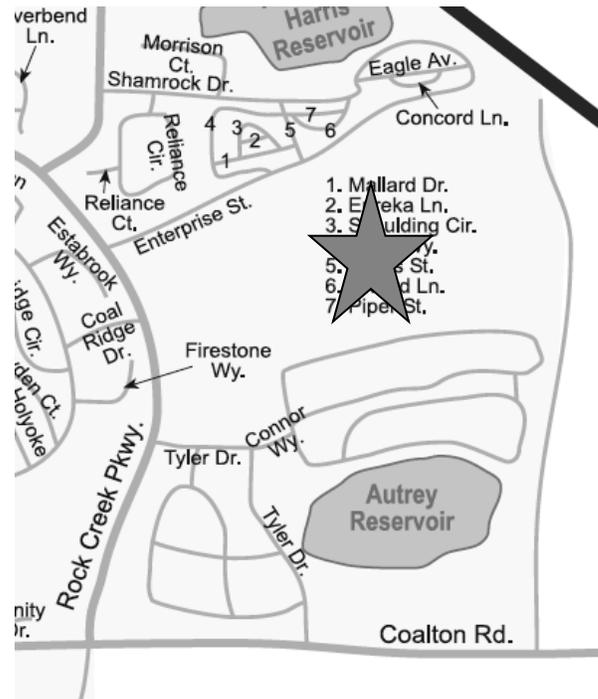
Total Cost \$ 532,000

Total Cost \$ 1,064,000

PROJECT DESCRIPTION

New bigger, deeper clarifier (1/3 cost of \$1.3M)
 New clarifier construction. Deeper clarifiers will provide increased settling and solids removal for phosphorus reduction.

Note: Federally Mandated Project



ANNUAL OPERATING BUDGET IMPACT

\$ -

Town Wide Collection System Video Assessment

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 35,000 Sewer Capital

BUDGET BY YEAR

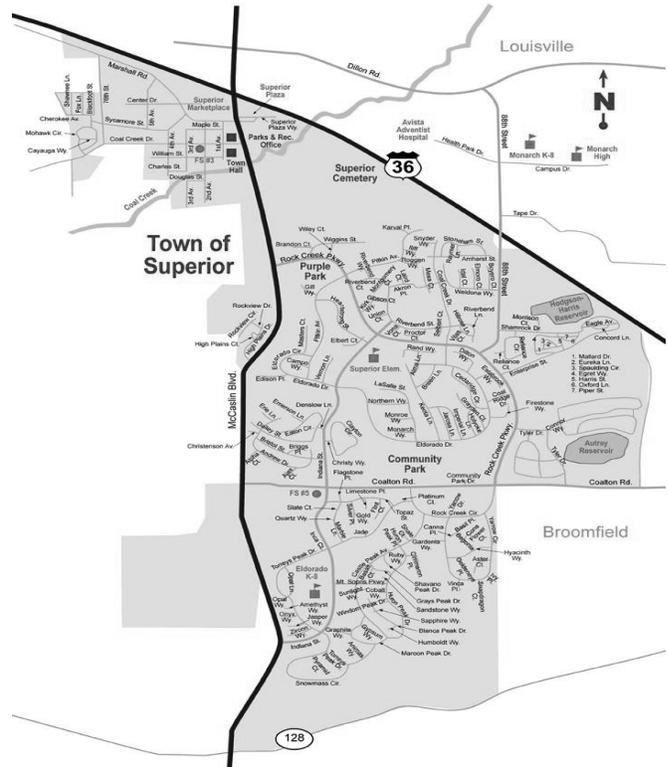
2017	\$ -
2018	-
2019	-
2020	-
2021	35,000

\$ 35,000 **Total Cost**

Total Cost \$ 35,000

PROJECT DESCRIPTION

This project provides for video assessment of the existing sewer collection system to identify conditions of mainline pipe and service connections. Previous video records are from 2001. Video assessment allows for identification of deformed or failing pipe, root intrusions, groundwater infiltration, and other miscellaneous system problems that may need to be addressed via operational maintenance or future capital improvement projects. This is a six-year project with the entire system to be complete by 2016 and will restart the cycle in 2021.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Headworks Reconstruction

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 270,600 Sewer Capital

BUDGET BY YEAR

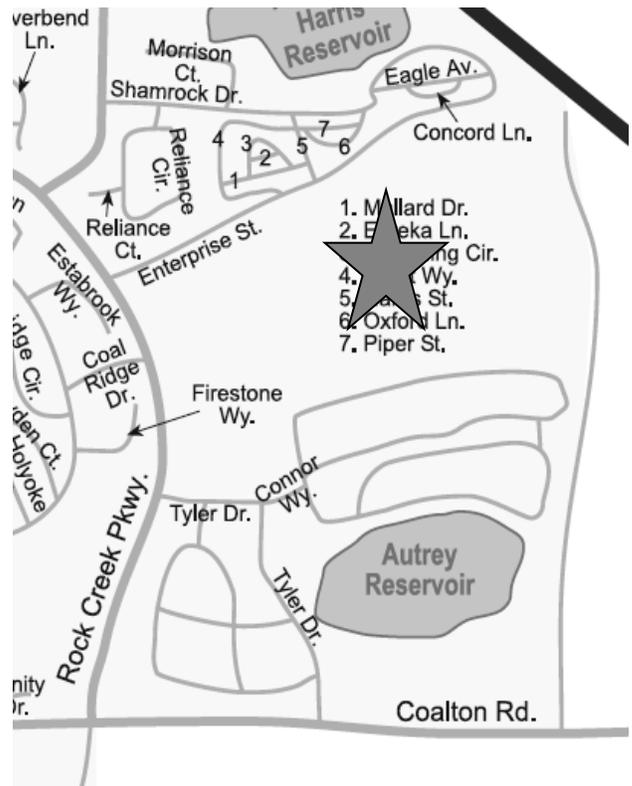
2017	\$ -
2018	-
2019	-
2020	-
2021	<u>270,600</u>

\$ 270,600 Total Cost

Total Cost \$ 270,600

PROJECT DESCRIPTION

This project will rebuild the entire Headworks facility at the front end of the WWTP. Should be done in pace with the Biological Nutrient Removal Upgrades projects.



ANNUAL OPERATING BUDGET IMPACT

TBD

WWTP Sludge Dewatering Improvements

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 110,000 Sewer Capital

BUDGET BY YEAR

2017	\$ -
2018	-
2019	-
2020	-
2021	<u>110,000</u>

\$ 110,000 Total Cost

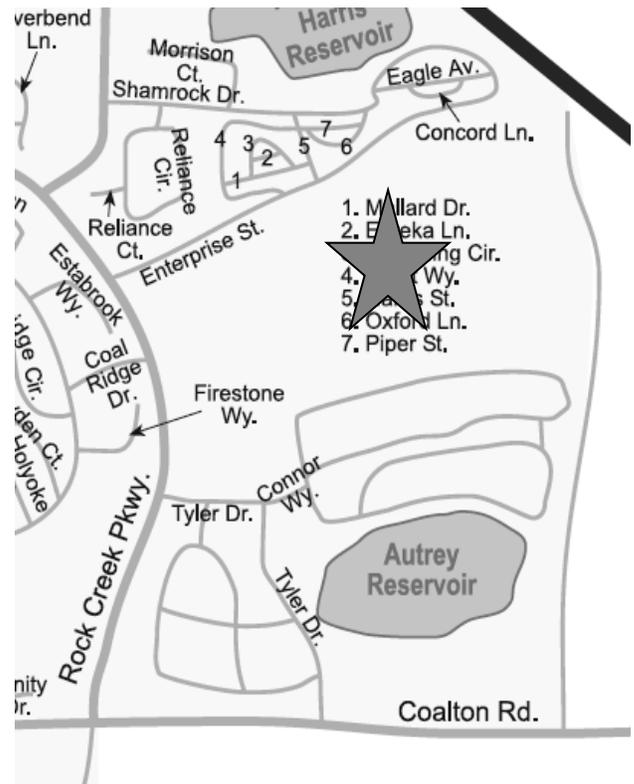
Total Cost \$ 110,000

PROJECT DESCRIPTION

This project installs a dewatering system before sending wastewater to the centrifuge to help efficiency, resulting in less chemical usage. 2021 costs are for design.

ANNUAL OPERATING BUDGET IMPACT

TBD



**2017 - 2021 Superior Metropolitan District No. 1
Storm Water Capital Improvement Program Budget Revenue (52)**

Acct #	Revenues	2017 Budget	2018 Projected Budget	2019 Projected Budget	2020 Projected Budget	2021 Projected Budget
36-6100	Interest Income	\$3,000	\$4,000	\$5,000	\$8,000	\$13,000
36-6341	Storm Water System Development Fees	220,000	200,000	355,000	400,000	200,000
	Use of / (Addition to) Net Assets	27,000	(49,000)	(186,000)	(221,000)	7,000
		\$250,000	\$155,000	\$174,000	\$187,000	\$220,000

**2017 - 2021 Superior Metropolitan District No. 1
Storm Water Capital Improvement Program Budget Expense (52-499)**

Acct #	Expenses	2017 Budget	2018 Projected Budget	2019 Projected Budget	2020 Projected Budget	2021 Projected Budget
6082	Storm Water Manhole Steps Installation	\$20,000	\$-	\$-	\$-	\$-
6083	Circle Park Drainage Enhancements	80,000	-	-	-	-
6992	Reservoir & Ponds Maintenance and Upgrades	150,000	155,000	160,000	165,000	170,000
6300	Vehicle Replacement	-	-	14,000	22,000	-
6421	Building-PW/Parks Maint & Oper.	-	-	-	-	50,000
		\$250,000	\$155,000	\$174,000	\$187,000	\$220,000

Storm Water Manhole Steps Installation

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 20,000 Storm Capital

BUDGET BY YEAR

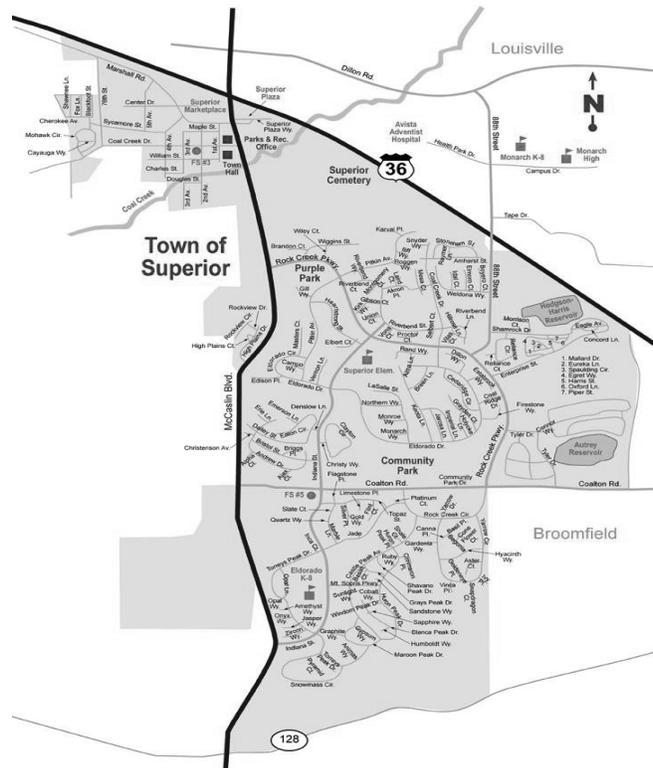
2017	\$	20,000
2018		-
2019		-
2020		-
2021		-

\$ 20,000 **Total Cost**

Total Cost \$ 20,000

PROJECT DESCRIPTION

This project provides for installation of steps in approximately 30 storm water manholes. This is necessary in order to provide maintenance access to Town staff.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Circle Park Drainage Enhancements

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 80,000 Storm Capital

BUDGET BY YEAR

2017 \$ 80,000

2018 -

2019 -

2020 -

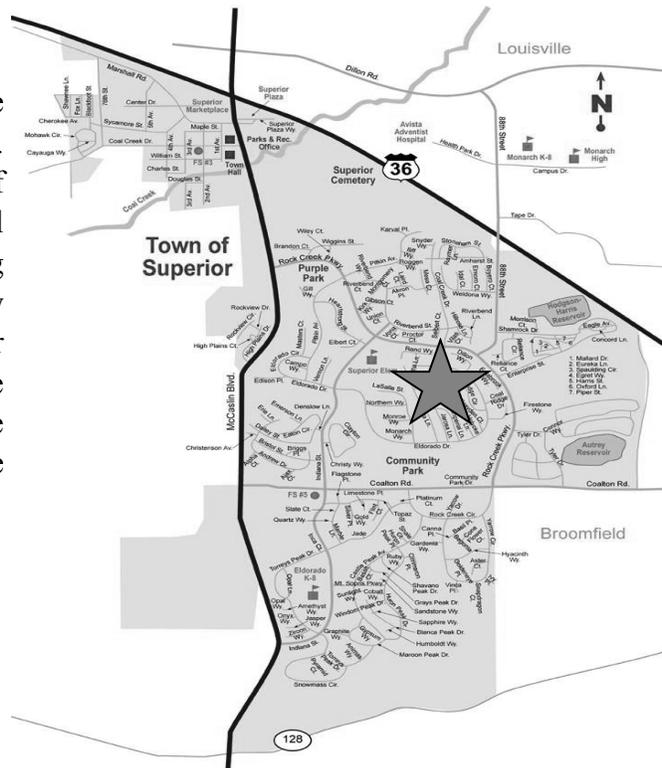
2021 -

\$ 80,000 **Total Cost**

Total Cost \$ 80,000

PROJECT DESCRIPTION

This project provides improvements to the drainage for the areas downstream of the Circle Park area. There has historically been a significant amount of rain and irrigation runoff from the park area. Several of the houses south of the park experienced flooding from this area in the 2013 flood event. A new underdrain will be installed near the southeast corner of the park along with a new drainage swale on the east side of the open space leading south from the park. Landscape and irrigation repairs will be required after installation of the drainage swale.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Reservoir & Ponds Maintenance and Upgrades

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 150,000 Storm Capital

BUDGET BY YEAR

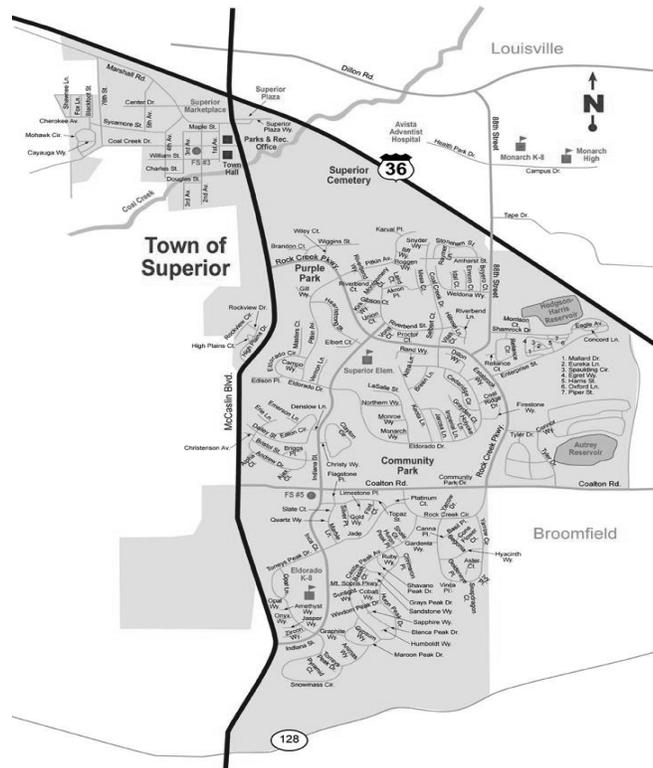
2017	\$ 150,000
2018	155,000
2019	160,000
2020	165,000
2021	170,000

\$ 150,000 Total Cost

Total Cost \$ 800,000

PROJECT DESCRIPTION

This project enhances the pond maintenance program for the Storm Water system.



ANNUAL OPERATING BUDGET IMPACT

\$ -

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