

Capital Improvement Tab

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 and the Superior/McCaslin Interchange District).

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, 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, a 2019 loan 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.

2019 – 2023 Capital Improvement Program Budget Revenue (42)

| Acct # | Revenues | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|---------|--|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 31-1300 | Sales, Non SURA | \$245,000 | \$250,000 | \$255,000 | \$260,000 | \$265,000 |
| 31-1301 | Sales, SURA | 700,000 | 720,000 | 740,000 | 760,000 | 785,000 |
| 31-1310 | Vehicle Use | 77,500 | 80,000 | 82,500 | 85,000 | 87,500 |
| 31-1320 | Building Use | 75,000 | 80,000 | 105,000 | 55,000 | 55,000 |
| 36-6100 | Interest Income | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| 36-6600 | Miscellaneous | 50,000 | 30,000 | 30,000 | 30,000 | 30,000 |
| 36-6840 | Park Impact Fee | 234,000 | 595,000 | 54,000 | - | - |
| 36-6841 | School Impact Fee | 104,000 | 115,000 | 66,000 | 36,750 | - |
| 36-6843 | Public Facility Fee | 5,000 | 5,000 | 5,000 | - | - |
| | Downtown Superior Public Improvement Reimbursement | - | 230,000 | - | - | - |
| 36-6910 | Transfer from General Fund | 2,750,000 | 2,350,000 | 2,450,000 | 3,400,000 | 4,075,000 |
| | Use of / (Addition to) Fund Balance | 1,244,383 | (351,367) | 440,003 | (1,429,786) | (1,711,960) |
| | | \$5,494,883 | \$4,113,633 | \$4,237,503 | \$3,206,964 | \$3,595,540 |

2019 – 2023 Capital Improvement Program Fund Budget Expense (42)

| Acct # | Projects | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|---|--|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Public Works and Utilities (430) | | | | | | |
| 6241 | Bridge Rail Painting | \$40,000 | \$- | \$- | \$45,000 | \$- |
| 6243 | Pavement Condition Index Update | 30,000 | - | - | - | 30,000 |
| 6244 | Traffic Signal System Upgrades | 35,000 | - | 45,000 | - | - |
| 6598 | Street Project Soft Costs | 272,000 | 176,000 | 184,000 | 184,000 | 200,000 |
| 6599 | Street Maintenance | 225,000 | 231,750 | 238,703 | 245,864 | 253,240 |
| 6602 | Street Replacement Program | 3,250,000 | 2,200,000 | 2,300,000 | 2,300,000 | 2,500,000 |
| 6597 | Rock Creek/South Coal Creek Traffic Signal | 400,000 | - | - | - | - |
| 6640 | McCaslin Blvd Slope Stability Improvements | 50,000 | - | - | - | - |
| 6650 | Traffic Calming Measures | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| 6652 | Traffic Signal Health Index Assessment | 40,000 | - | - | - | - |
| 6300 | Vehicle Replacement | - | 97,500 | 22,500 | 82,500 | 20,000 |
| 6421 | Building-PW/Parks Maint & Oper. | - | - | - | - | 125,000 |
| | | \$4,392,000 | \$2,755,250 | \$2,840,203 | \$2,907,364 | \$3,178,240 |

2019 – 2023 Capital Improvement Program Fund Budget Expense (42)

| Acct # | Projects | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|-------------------------------------|---|------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Parks, Rec, Open Space (426) | | | | | | |
| 6040 | Irrigation Clock Upgrade | \$19,500 | \$- | \$- | \$- | \$- |
| 6423 | Parks Capital Maint. – Buildings | 15,000 | 10,000 | 15,000 | 10,000 | 15,000 |
| 6499 | Riverbend Playground | 50,000 | 700,000 | - | - | - |
| 6520 | Shrub Bed Renovation | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| 6533 | Park Furniture Replacement | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| 6544 | Autrey Parking Lot | 120,000 | - | - | - | - |
| 6560 | Cemetery Improvements | 30,000 | - | - | - | - |
| 6989 | Cultural Arts and Events | 150,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| 6990 | McCaslin/Main Street Roundabout Art | 90,000 | - | - | - | - |
| 7843 | School Parcel Improvements – Loan Payment | 343,383 | 343,383 | - | - | - |
| 6581 | Parking Lot Improvements | - | 40,000 | 100,000 | - | 50,000 |
| 6300 | Vehicle Replacement | - | - | 12,300 | 24,600 | 12,300 |
| 6537 | Coalton Corridor Enhancements | - | - | 190,000 | - | - |
| | Community Park Building Upgrades | - | - | 600,000 | - | - |
| | ADA Playground Surfacing (Community Park) | - | - | 265,000 | - | - |
| 6150 | Tennis Court Improvements | - | - | - | 10,000 | - |
| 6522 | Dog Park Renovation | - | - | - | 35,000 | - |
| 6421 | Building-PW/Parks Maint. & Oper. | - | - | - | - | 125,000 |
| | | \$842,883 | \$1,218,383 | \$1,307,300 | \$204,600 | \$327,300 |

2019 – 2023 Capital Improvement Program Fund Budget Expense (42)

| Acct # | Projects | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|--------------------|---|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Other (490) | | | | | | |
| 6021 | Enhanced Town Facility Communications | \$120,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 |
| 6100 | Server Replacement | 30,000 | 25,000 | 15,000 | 20,000 | 15,000 |
| 6101 | BOCO Sheriff Substation Update | 20,000 | - | - | - | - |
| 6140 | AV/Town Boardroom Equipment Improvement | 25,000 | 10,000 | 10,000 | 10,000 | 10,000 |
| 6402 | Building Capital Maintenance | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 |
| 6543 | Wayfinding Signage | 10,000 | - | - | - | - |
| 6890 | Monument Signs | 40,000 | 40,000 | - | - | - |
| | | \$260,000 | \$140,000 | \$90,000 | \$95,000 | \$90,000 |

| | | | | | |
|-------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Total Capital Projects | \$5,494,883 | \$4,113,633 | \$4,237,503 | \$3,206,964 | \$3,595,540 |
|-------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|

Bridge Rail Painting

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 40,000

2020 -

2021 -

2022 45,000

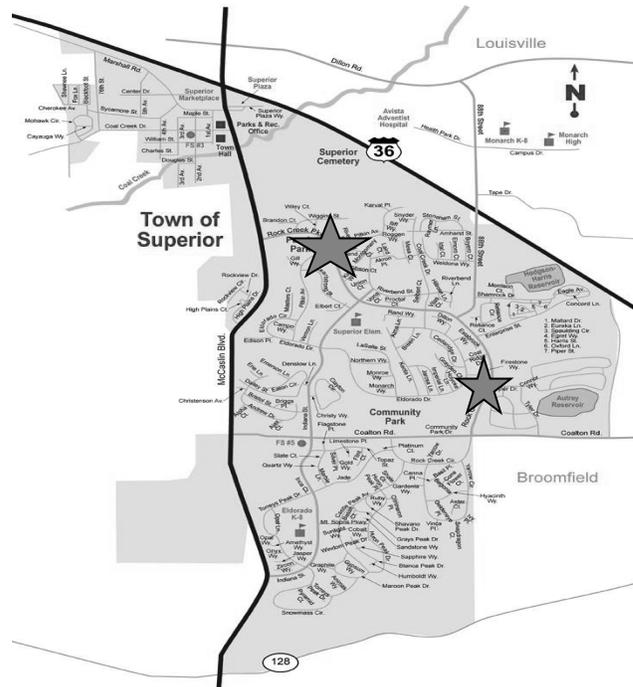
2023 -

\$ 40,000 **Total Cost**

Total Cost \$ 85,000

PROJECT DESCRIPTION

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



ANNUAL OPERATING BUDGET IMPACT

\$ -

Pavement Condition Index Update

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 30,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 30,000

2020 -

2021 -

2022 -

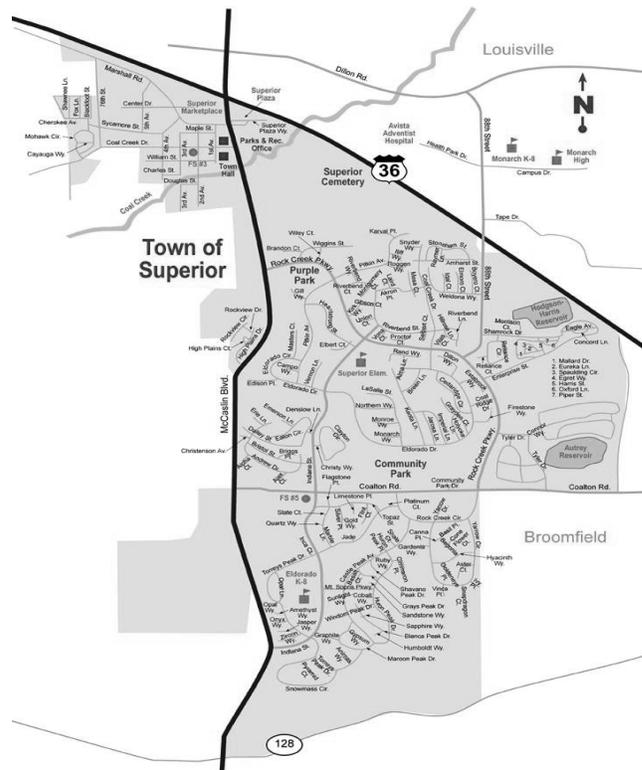
2023 30,000

\$ 30,000 **Total Cost**

Total Cost \$ 60,000

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

\$ -

Traffic Signal System Upgrades

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 35,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 35,000

2020 -

2021 45,000

2022 -

2023 -

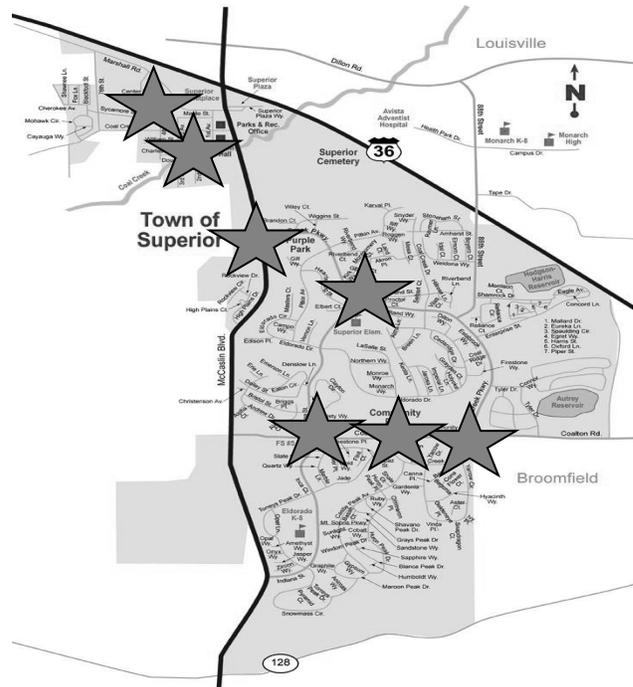
\$ 35,000 **Total Cost**

Total Cost \$ 80,000

PROJECT DESCRIPTION

2019 - Install Ethernet radios to connect five outlying traffic signals to the ATMS

2021 - 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

\$ -

Street Project Soft Costs

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 272,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 272,000

2020 176,000

2021 184,000

2022 184,000

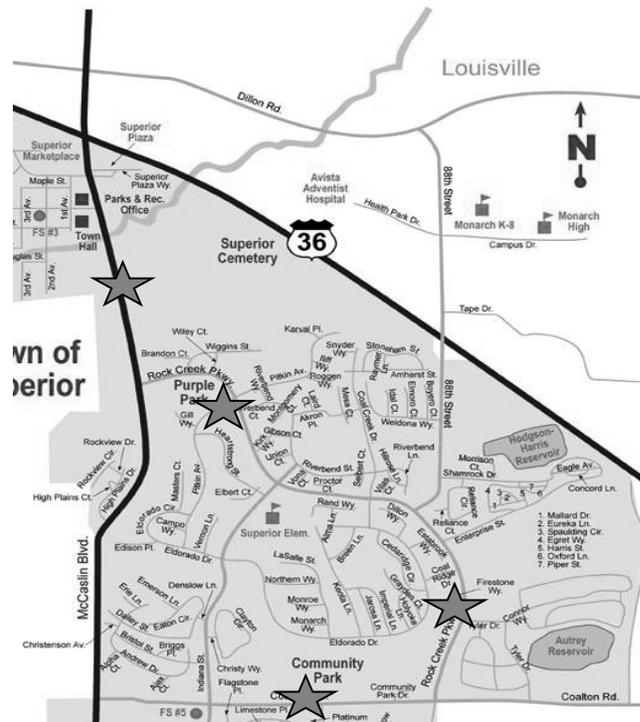
2023 200,000

\$ 272,000 **Total Cost**

Total Cost \$ 1,016,000

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

\$ 225,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 225,000

2020 231,750

2021 238,703

2022 245,864

2023 253,240

\$ 225,000 **Total Cost**

Total Cost \$ 1,194,556

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.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Street Replacement Program

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 3,250,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 3,250,000

2020 2,200,000

2021 2,300,000

2022 2,300,000

2023 2,500,000

\$ 3,250,000 **Total Cost**

Total Cost \$ 12,550,000

PROJECT DESCRIPTION

This project provides for ongoing street pavement management construction activities.

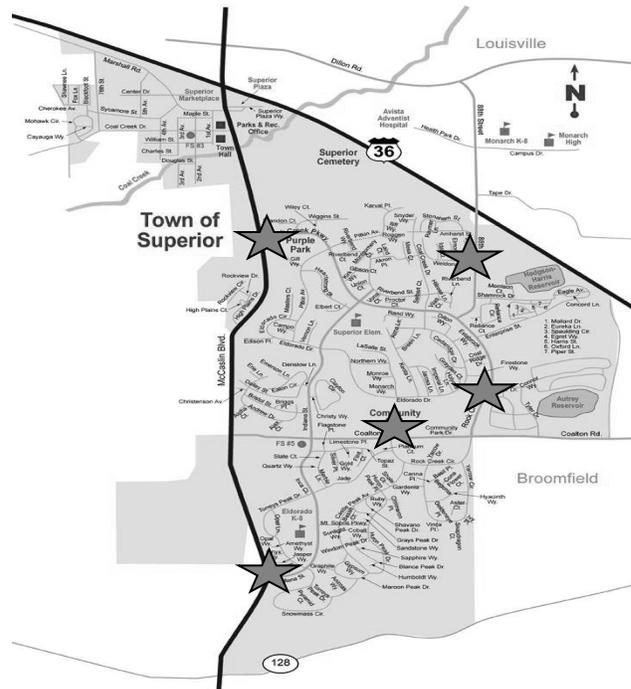
2019 - 88th Street Reconstruction, Sidewalk & Widening

2020 - McCaslin/Rock Creek Parkway Intersection Reconstruction

2021 - Coalton Road mill & overlay

2022 - McCaslin/Indiana St. Roundabout

2023 - Rock Creek Parkway Reconstruction (Honey Creek to Coalton Rd)



ANNUAL OPERATING BUDGET IMPACT

\$ -

Rock Creek and South Coal Creek Traffic Signal

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 400,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 400,000

2020

2021

2022

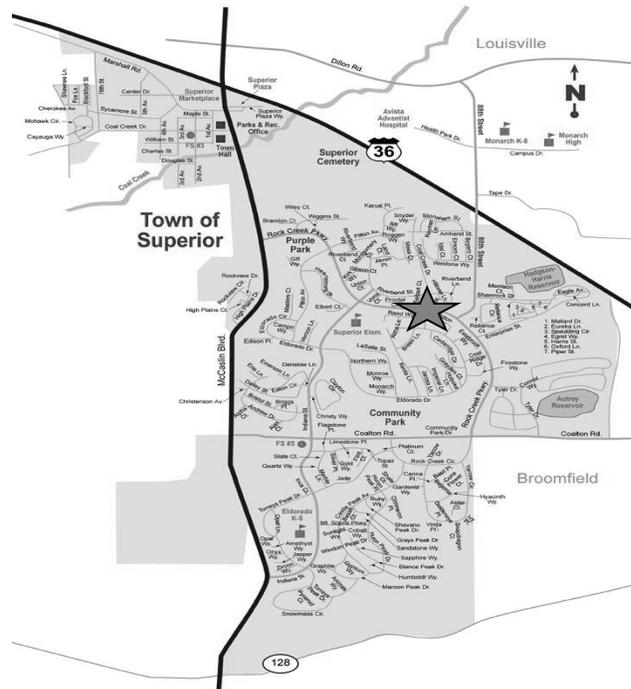
2023

\$ 400,000 **Total Cost**

Total Cost \$ 400,000

PROJECT DESCRIPTION

New traffic signal at the intersection of Rock Creek and South Coal Creek



ANNUAL OPERATING BUDGET IMPACT

\$ 1,000

McCaslin Blvd Slope Stability Improvements

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 50,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 50,000

2020 -

2021 -

2022 -

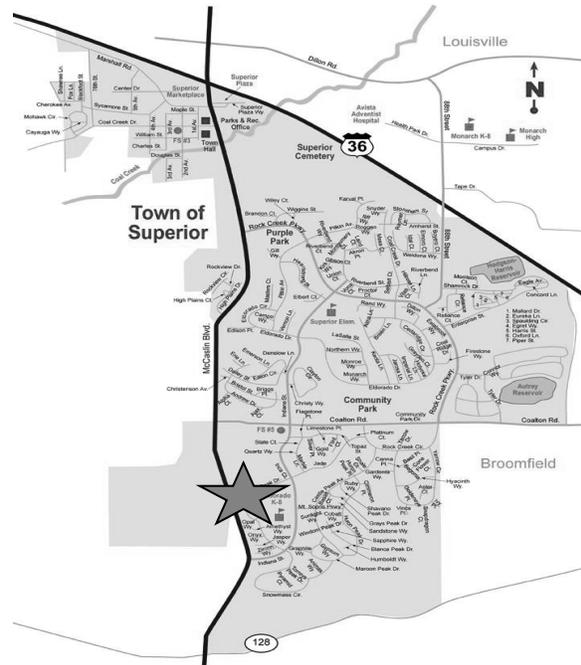
2023 -

\$ 50,000 **Total Cost**

Total Cost \$ 50,000

PROJECT DESCRIPTION

The Town has been working on investigations into the stability of the slopes of McCaslin near the Indiana Street intersection. Improvements will be installed based on the recommendations of the investigation work.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Traffic Calming

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 50,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 50,000

2020 50,000

2021 50,000

2022 50,000

2023 50,000

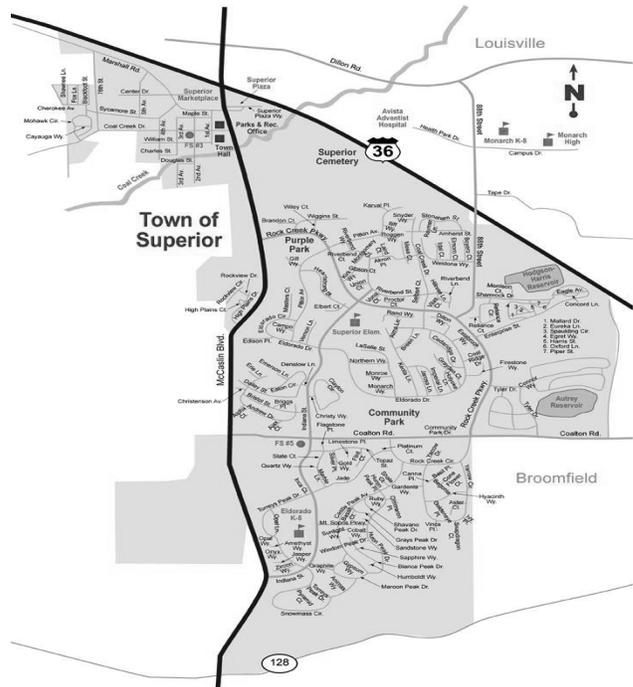
Total Cost
\$ 50,000

Total Cost
\$ 250,000

PROJECT DESCRIPTION

2019 - Install traffic calming measures such as radar speed signs, RRFBs or other measures recommended by the TSC at several locations through out Town.

2020-2023 - TBD



ANNUAL OPERATING BUDGET IMPACT

\$ -

Traffic Signal Health Index Assessment

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 40,000

2020 -

2021 -

2022 -

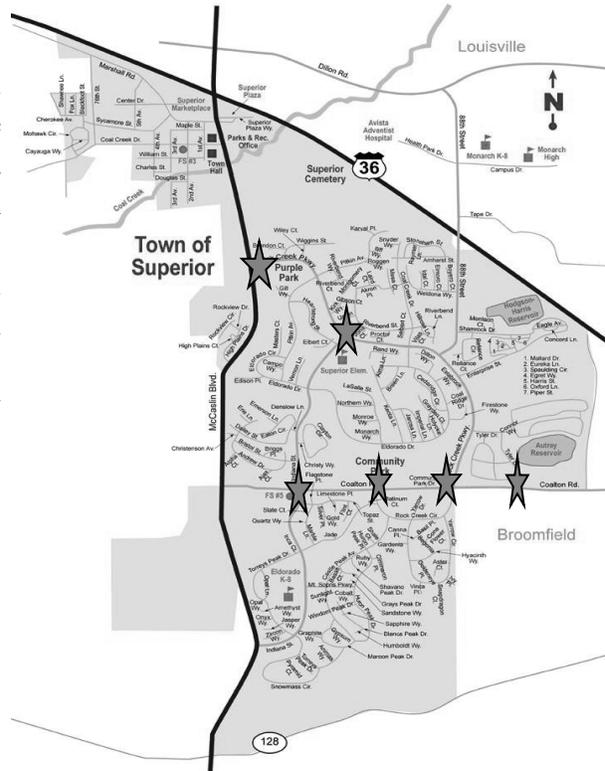
2023 -

Total Cost \$ 40,000

Total Cost \$ 40,000

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

\$ -

Vehicle Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

| | |
|------------|----------------------|
| \$ 97,500 | Governmental Capital |
| 11,250 | Water Capital |
| 6,750 | Sewer Capital |
| 4,500 | Storm Capital |
| <hr/> | |
| \$ 120,000 | Total Cost |

BUDGET BY YEAR

| | |
|-------------------|--------------|
| 2019 | \$ - |
| 2020 | 120,000 |
| 2021 | 45,000 |
| 2022 | 165,000 |
| 2023 | <hr/> 40,000 |
| Total Cost | \$ 370,000 |

PROJECT DESCRIPTION

2020 - Replacement of 2012 pick-up truck (#111) and Replacement of 2000 crack-sealing machine (General only)

2021 - Replacement of 2014 pick-up truck (#113) (split between General, Water, Sewer and Storm)

2022 - 2008 Loader/Backhoe replacement, replacement of 2010 pick-up truck (#110) (split between General, Water, Sewer and Storm)

2023 - Replacement of 2014 pick-up truck (#112) (split between General, Water, Sewer and Storm)

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

| | |
|-------------------|-------------------|
| 2019 | \$ - |
| 2020 | - |
| 2021 | - |
| 2022 | - |
| 2023 | <u>500,000</u> |
| Total Cost | \$ 500,000 |

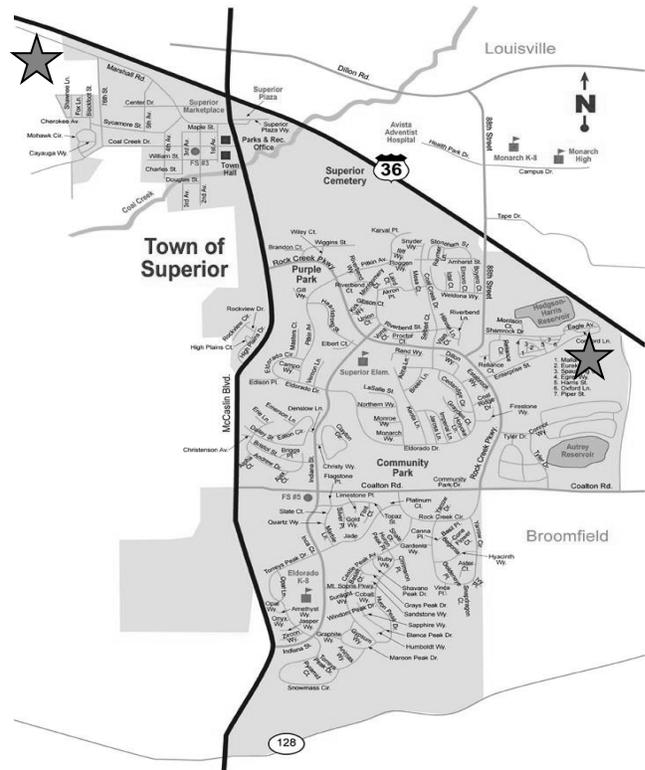
PROJECT DESCRIPTION

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.

2023 - Final design

ANNUAL OPERATING BUDGET IMPACT

| | |
|-----------|-------------------|
| \$ 72,500 | Beginning in 2024 |
|-----------|-------------------|



Parks Capital Maintenance Buildings (Buildings)

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 15,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 15,000

2020 10,000

2021 15,000

2022 10,000

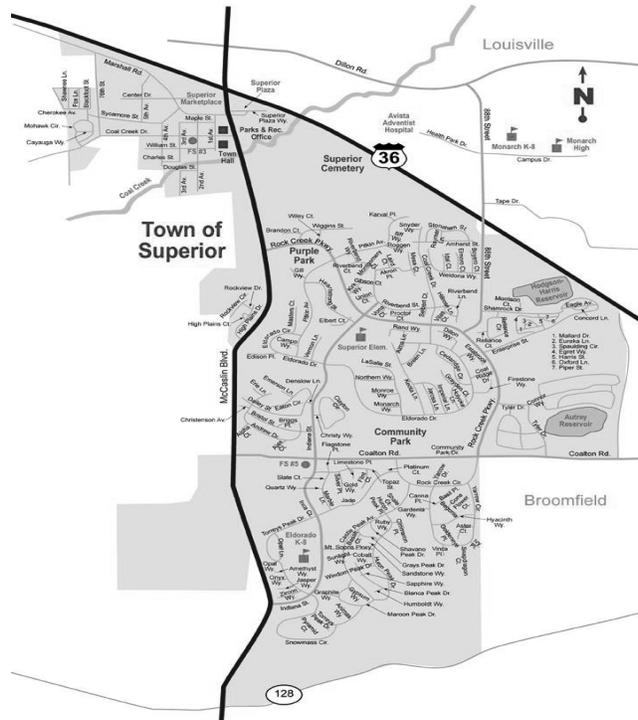
2023 15,000

\$ 15,000 **Total Cost**

Total Cost \$ 75,000

PROJECT DESCRIPTION

Plan to maintain aging parks buildings and restrooms



ANNUAL OPERATING BUDGET IMPACT

\$ -

Riverbend Playground

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 50,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 50,000

2020 700,000

2021 -

2022 -

2023 -

\$ 50,000 **Total Cost**

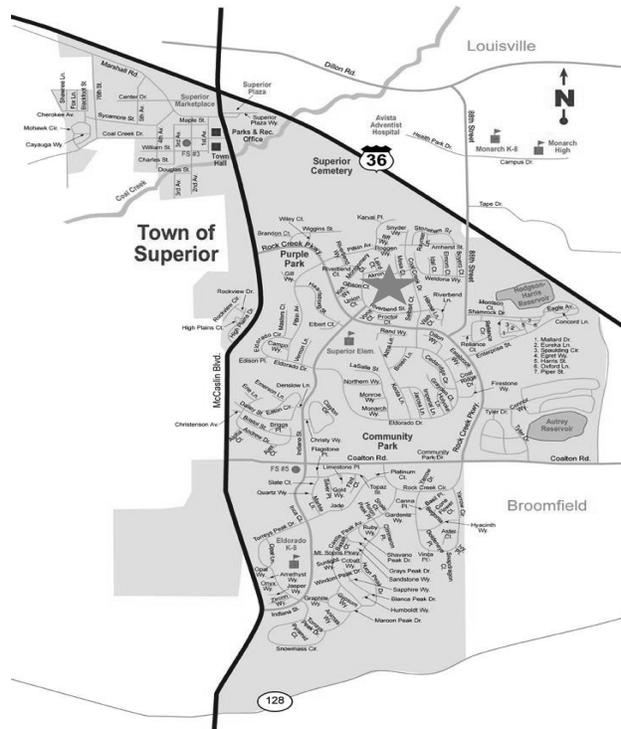
Total Cost \$ 750,000

PROJECT DESCRIPTION

This project would involve public engagement, planning, design and construction of a new playground in the area of Riverbend Park. Currently, there is not a playground north of Rock Creek Parkway that is accessible for residents to use. The nearest playground in this part of town is located at Purple Park south of Rock Creek parkway.

2019: Engagement and Design

2020: Construction



ANNUAL OPERATING BUDGET IMPACT

\$ 1,500

Shrub Bed Renovation

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 15,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 15,000

2020 15,000

2021 15,000

2022 15,000

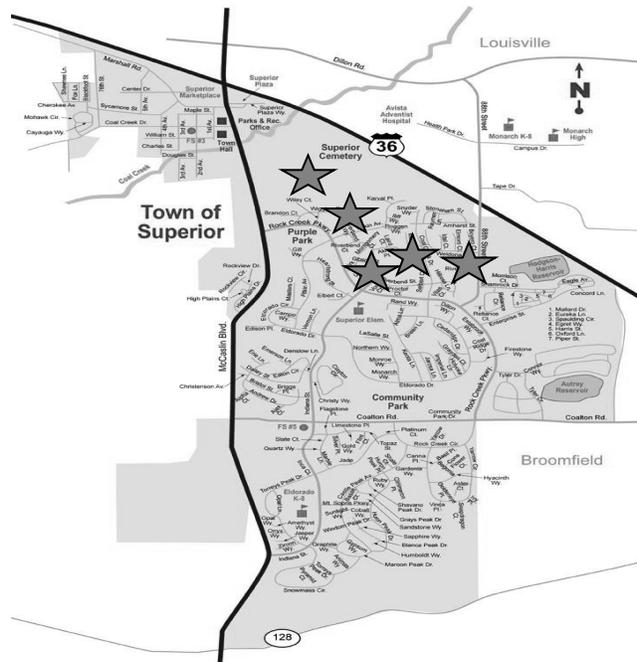
2023 15,000

Total Cost \$ 75,000

Total Cost \$ 15,000

PROJECT DESCRIPTION:

Plant material has a limited life span and must be replaced in an ongoing bases



ANNUAL OPERATING BUDGET IMPACT

\$ -

Park Furniture Replacement

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 10,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 10,000

2020 10,000

2021 10,000

2022 10,000

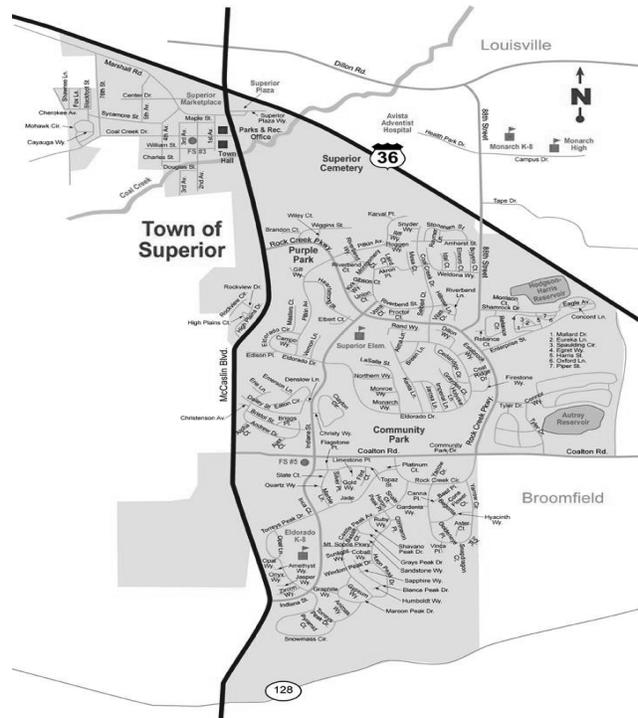
2023 10,000

\$ 22,500 **Total Cost**

Total Cost \$ 50,000

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

\$ -

Autrey Park Parking Lot

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 120,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 120,000

2020 -

2021 -

2022 -

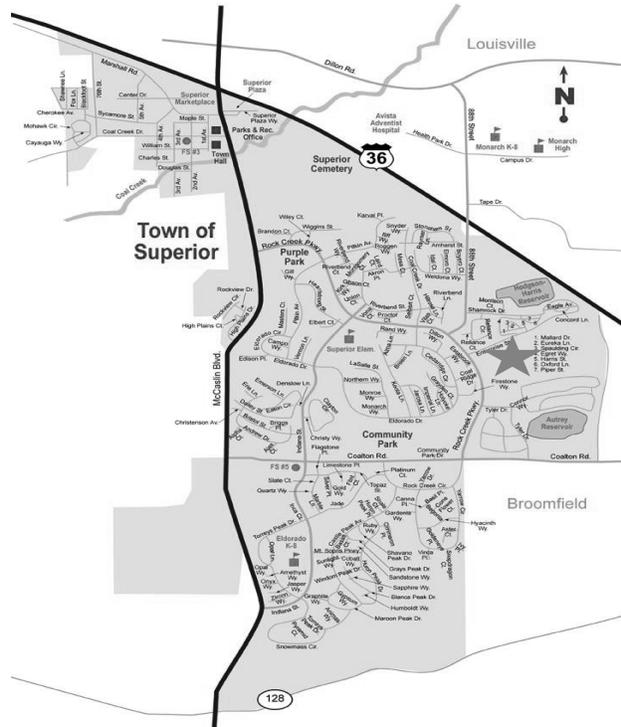
2023 -

\$ 120,000 **Total Cost**

Total Cost \$ 120,000

PROJECT DESCRIPTION

This project would improve and add to the existing parking lot at Autrey Park. The park continues to see significant use from dog park users, the yard waste site, disc golfers, bikers and trail users. The addition of the new skate park will only increase traffic in the area. The existing parking lot is made from asphalt millings that don't hold up well given the use. This project would involved pouring concrete curb and gutter and properly paving the area.



ANNUAL OPERATING BUDGET IMPACT

\$ 3,000

Cemetery Improvements

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 30,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 30,000

2020 -

2021 -

2022 -

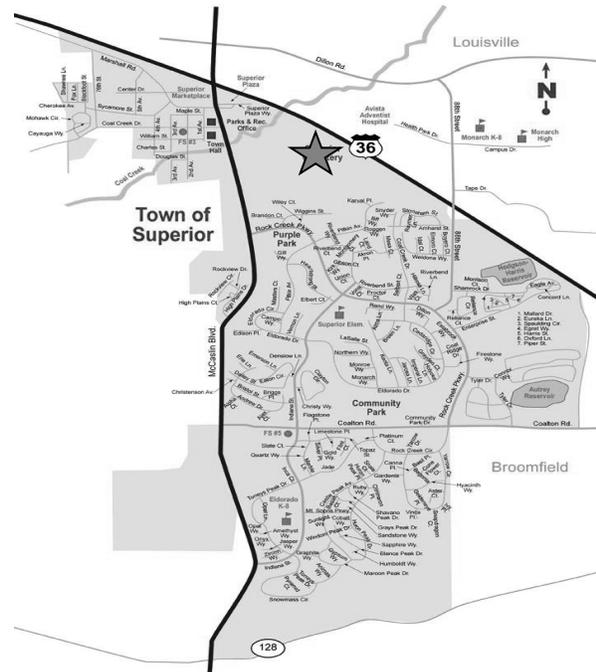
2023 -

\$ 30,000 **Total Cost**

Total Cost \$ 30,000

PROJECT DESCRIPTION:

Generate and implement a 5-year landscaping and maintenance plan that upgrades the existing condition of the historic cemetery with input from the Town's Historical Commission and a working group of citizens and advisory committee members.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Cultural Arts and Events

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 150,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 150,000

2020 100,000

2021 100,000

2022 100,000

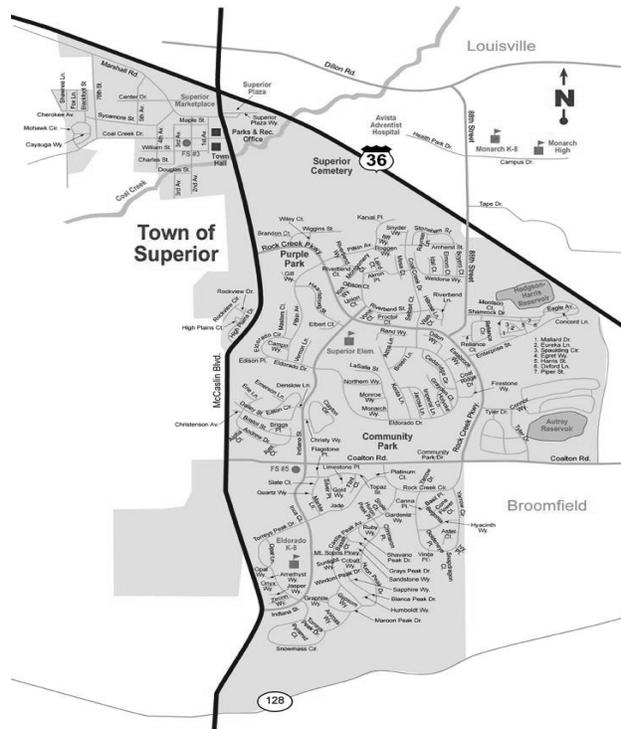
2023 100,000

\$ 150,000 **Total Cost**

Total Cost \$ 550,000

PROJECT DESCRIPTION

This project would implement the recommendations of the Cultural Arts and Public Spaces Advisory Committee for art throughout Town. The 2019 budget includes funds for the creation of three new ongoing community events and art projects with an additional \$50k for an art master plan to be completed in 2019.



ANNUAL OPERATING BUDGET IMPACT

\$ 1,000

McCaslin/Main Street Roundabout Art

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 90,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 90,000

2020 -

2021 -

2022 -

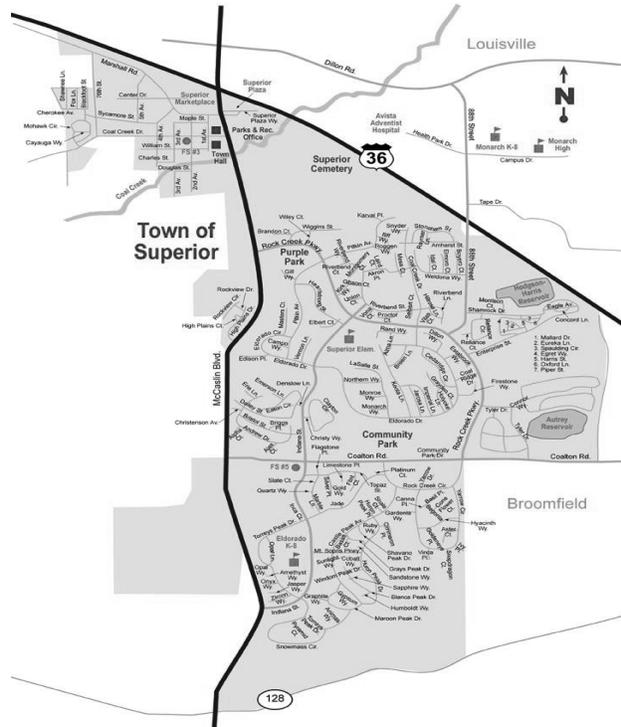
2023 -

\$ 90,000 **Total Cost**

Total Cost \$ 90,000

PROJECT DESCRIPTION

Completion of the current plan for public art (Douwe sculpture) to be installed in the McCaslin Roundabout, including landscaping.



ANNUAL OPERATING BUDGET IMPACT

\$ 1,000

Parking Lot Improvements (Overlay)

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Governmental Capital

BUDGET BY YEAR

| | |
|------|---------|
| 2019 | \$ - |
| 2020 | 40,000 |
| 2021 | 100,000 |
| 2022 | - |
| 2023 | 50,000 |

\$ 40,000 **Total Cost**

Total Cost \$ 190,000

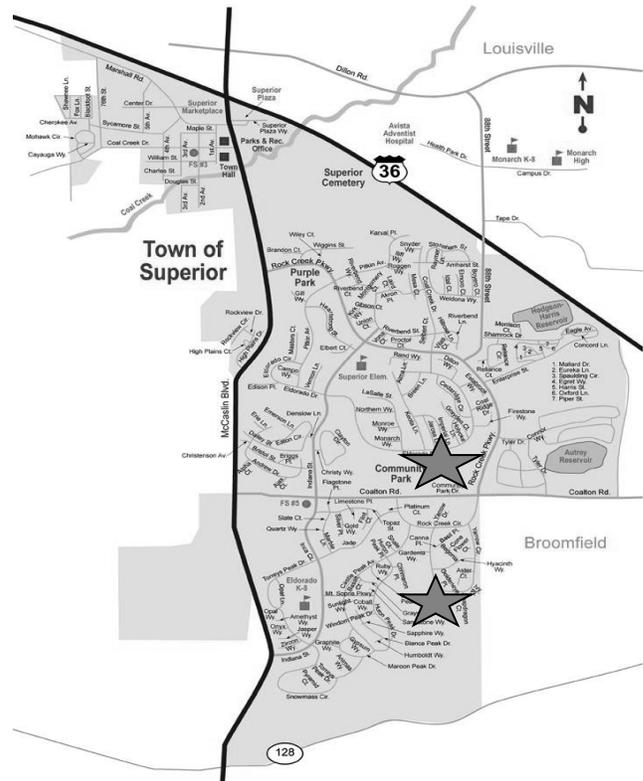
PROJECT DESCRIPTION

This project will mill and overlay town owned parking lots.

2020 - South Pool

2021 - Community Park

2023 - North Pool



ANNUAL OPERATING BUDGET IMPACT

\$ -

Coalton Corridor Irrigation and Landscape Enhancements

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 190,000 Governmental Capital

BUDGET BY YEAR

| | |
|------|---------|
| 2019 | \$ - |
| 2020 | - |
| 2021 | 190,000 |
| 2022 | - |
| 2023 | - |

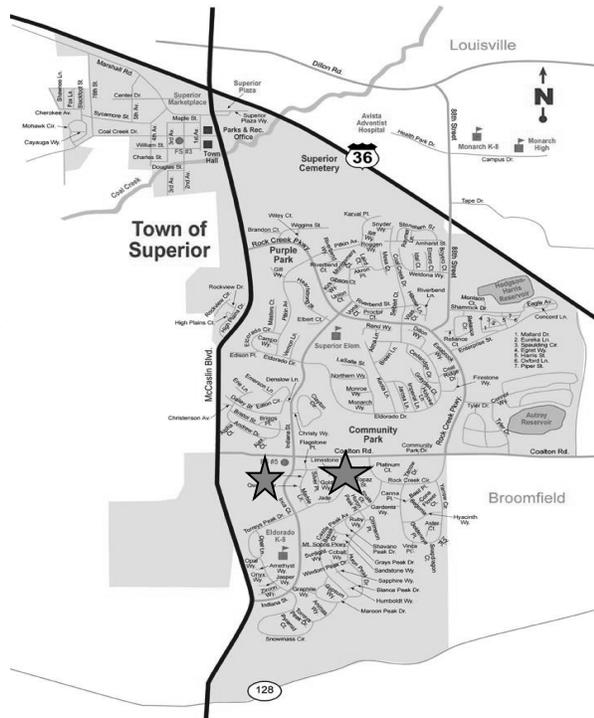
\$ 190,000 **Total Cost**

Total Cost \$ 190,000

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.

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)

Community Park Building Upgrades

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 600,000 Governmental Capital

BUDGET BY YEAR

2019 \$ -

2020 -

2021 600,000

2022 -

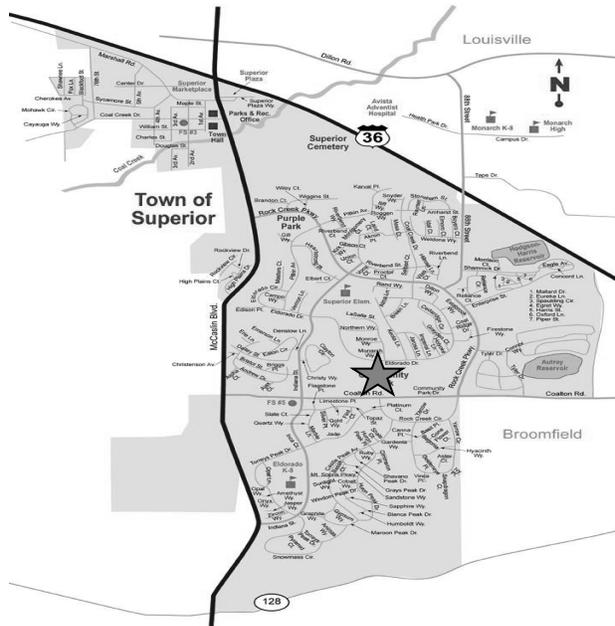
2023 -

\$ 600,000 **Total Cost**

Total Cost \$ 600,000

PROJECT DESCRIPTION:

Upgrade the current restroom and concession building at Community Park allowing for additional year-round restrooms (4 stalls currently), equipment storage and improved concession areas. Make repairs to the existing roof to stop leaks and add insulation to improve energy efficiency.



ANNUAL OPERATING BUDGET IMPACT

\$ 20,000

ADA Playground Surfacing (Community Park)

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 265,000 Governmental Capital

BUDGET BY YEAR

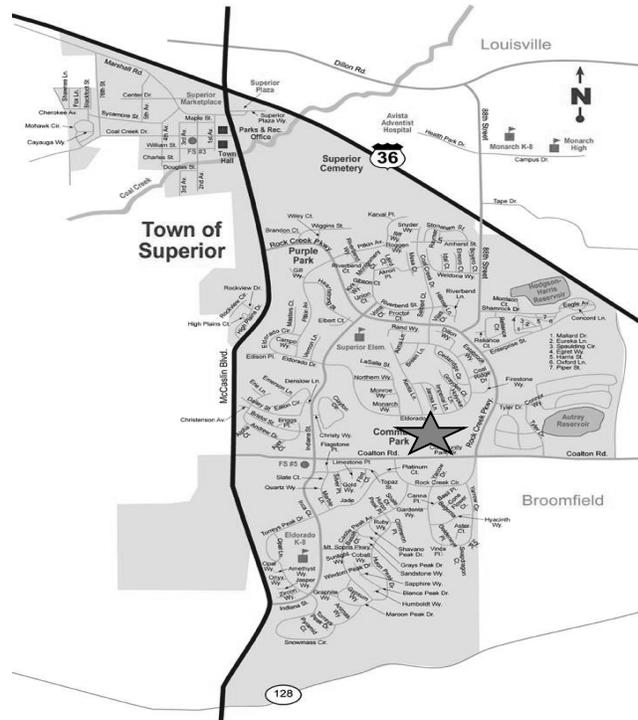
| | |
|------|---------|
| 2019 | \$ - |
| 2020 | - |
| 2021 | 265,000 |
| 2022 | - |
| 2023 | - |

\$ 265,000 **Total Cost**

Total Cost \$ 265,000

PROJECT DESCRIPTION

Plan to begin upgrading playground surfaces to ADA compliant material.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Tennis Court Improvements

PROS Project

FIRST YEAR FUNDING SOURCE
 \$ 10,000 Governmental Capital

BUDGET BY YEAR

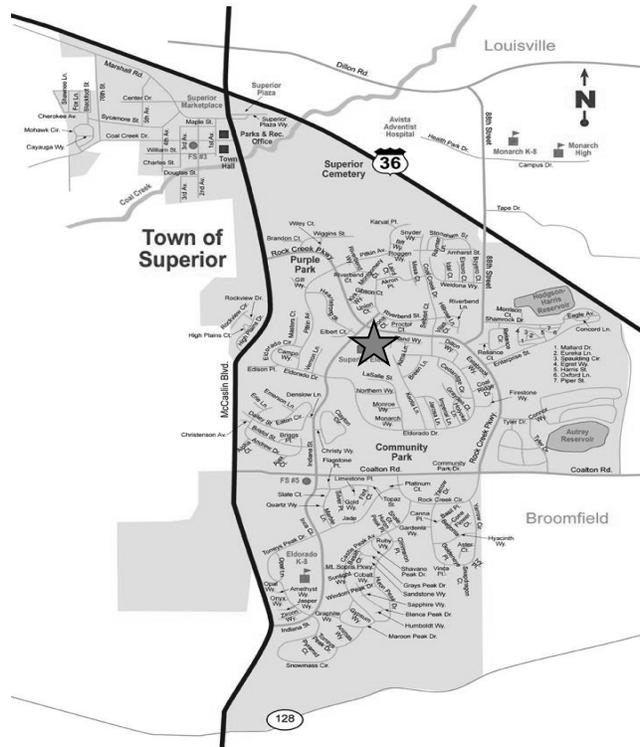
| | |
|------|--------|
| 2019 | \$ - |
| 2020 | - |
| 2021 | - |
| 2022 | 10,000 |
| 2023 | - |

Total Cost
 \$ 10,000

Total Cost \$ 10,000

PROJECT DESCRIPTION:

2022 - 4 to 5 year resurface cycle for four tennis courts.



ANNUAL OPERATING BUDGET IMPACT
 \$ -

Dog Park Renovation

PROS Project

FIRST YEAR FUNDING SOURCE

\$ 35,000 Governmental Capital

BUDGET BY YEAR

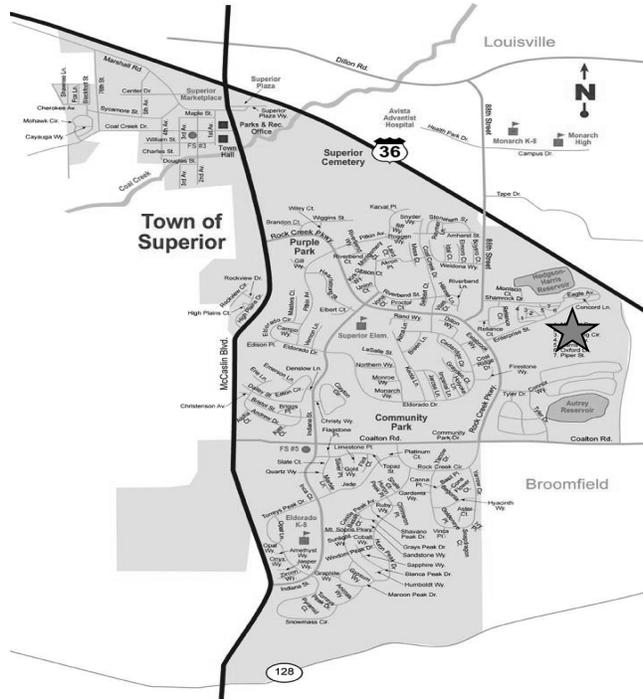
| | |
|------|--------|
| 2019 | \$ - |
| 2020 | - |
| 2021 | - |
| 2022 | 35,000 |
| 2023 | - |

Total Cost \$ 35,000

Total Cost \$ 35,000

PROJECT DESCRIPTION

Plan for 5-year renovation of sod at the dog park.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Enhanced Town Facility Communications

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 120,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 120,000

2020 50,000

2021 50,000

2022 50,000

2023 50,000

\$ 120,000 **Total Cost**

Total Cost \$ 320,000

PROJECT DESCRIPTION

This project will provide fiber optic or enhanced upgraded communications between key Town-owned facilities. This will increase bandwidth, speed and reliability of communications. Work, which began in 2017, will include (1) an enhanced connection between the Public Works/Utilities administrative offices and Town Hall, (2) traffic signal connectivity, (3) video/surveillance cameras in select locations, (4) enhance communication between critical water and sewer utility infrastructure (pumps, lift station, etc.).

ANNUAL OPERATING BUDGET IMPACT

\$ 10,000

Server Replacement

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 30,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 30,000

2020 25,000

2021 15,000

2022 20,000

2023 15,000

\$ 30,000 **Total Cost**

Total Cost \$ 105,000

PROJECT DESCRIPTION:

Servers are on a 5 year replacement schedule. Staff will continue to evaluate replacement alternatives - new servers at Town Hall versus cloud based applications.

2019 - Replace Keyscan, GIS and Phone Server

2020 - Replace Main Server & Email

2021 - Replace Caselle /Laserfiche

2022 - Replace Granicus & Tricaster

2023 - Replace Traffic

ANNUAL OPERATING BUDGET IMPACT

\$ 2,000

BOCO Sheriff Substation Update

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 20,000 Governmental Capital

\$ 20,000 **Total Cost**

BUDGET BY YEAR

2019 \$ 20,000

2020 -

2021 -

2022 -

2023 -

Total Cost \$ 20,000

PROJECT DESCRIPTION:

The Sheriff Sub-Station has been located in a renovate retail space in the Marketplace since 2010. Currently, the flooring is laminate and over the years it has been worn out in certain spots leaving holes down to the subfloor. This project would allow for the removal of the laminate floors to be replaced with industrial flooring that is appropriate for the use. The budget also includes small improvements to the kitchen/break area and locker room.

ANNUAL OPERATING BUDGET IMPACT

\$ -

AV/Town Boardroom Equipment Improvement

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 25,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 25,000

2020 10,000

2021 10,000

2022 10,000

2023 10,000

Total Cost \$ 65,000

Total Cost \$ 25,000

PROJECT DESCRIPTION:

On-going upgrade/enhancement of Boardroom audio visual (AV) equipment (both for in-room presentations and broadcasts over Channel 8 and web streaming). In 2013 and 2015 the Town invested in major improvements to the Boardroom and our AV equipment. The purpose was to enhance the quality of the presentations, recording and distribution of public meetings held at Town Hall. Following these major improvements, the Town has annually invested smaller capital amounts to maintain or enhance the quality of these presentations (i.e., new software for three-dimensional flyby views of proposed developments, new table top microphones, etc.). This annual budget is intended to continue these ongoing improvements. The first year funding of \$25,000 would purchase the equipment needed to broadcast HD signal over Channel 8. This includes a fiber encoder to replace the Comcast modulator and a digital server to automate the programming.



ANNUAL OPERATING BUDGET IMPACT

\$ 1,200

Building Capital Maintenance

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 15,000 Governmental Capital

\$ 15,000 **Total Cost**

BUDGET BY YEAR

2019 \$ 15,000

2020 15,000

2021 15,000

2022 15,000

2023 15,000

Total Cost \$ 75,000

PROJECT DESCRIPTION:

The Town owns and maintains multiple buildings including Town Hall, Firehouse, and Bungalow. The majority of the maintenance of these facilities can be completed using the general building maintenance budget. A building capital maintenance budget allows for items such as roof repairs and exterior painting.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Monument Signs

Administrative Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Governmental Capital

BUDGET BY YEAR

2019 \$ 40,000

2020 40,000

2021 -

2022 -

2023 -

\$ 40,000 **Total Cost**

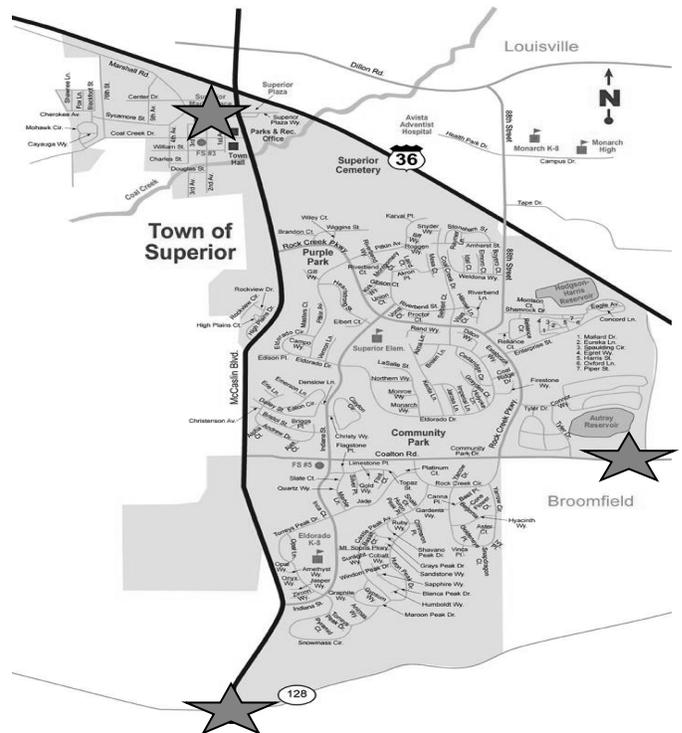
Total Cost \$ 80,000

PROJECT DESCRIPTION:

Design and installation of entry monument signs with Town logo at primary entrances to Town:

2019 - Coalton Road, McCaslin Blvd at Hwy 36

2020 - Highway 128



ANNUAL OPERATING BUDGET IMPACT

\$ 500

**2019 - 2023 Superior Metropolitan District No. 1
Water Capital Improvement Program Budget Revenue (50)**

| Acct # | Revenues | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|---------------|---------------------------------------|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 36-6100 | Interest Income | \$156,000 | \$204,000 | \$247,000 | \$277,000 | \$310,000 |
| 36-6341 | Water System Development Fees | 2,700,000 | 2,750,000 | 3,000,000 | 1,950,000 | 1,700,000 |
| 36-6344 | Irrigation Tap Fees | 30,000 | 60,000 | 40,000 | - | - |
| 36-6348 | Effluent Water Leases | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |
| 36-6953 | Transfer from Operations Service Fees | 15,358 | - | 36,243 | 11,568 | 223 |
| | Use of / (Addition to) Net Assets | (1,658,258) | (951,532) | (125,138) | (233,808) | 335,462 |
| | | \$1,248,100 | \$2,067,468 | \$3,203,105 | \$2,009,760 | \$2,350,685 |

**2019 - 2023 Superior Metropolitan District No. 1
Water Capital Improvement Program Budget Expense (50-499)**

| Acct # | Projects | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|---------------|---|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 5241 | Utility Master Plan | \$20,000 | \$- | \$- | \$- | \$- |
| 6135 | Reuse System Upgrades | 75,000 | - | - | - | - |
| 6142 | Water Pump Station Upgrades | 80,000 | - | - | - | - |
| 6144 | Sonic Solutions for Algae control @ Terminal and Pond 5 | 30,000 | - | - | - | - |
| 6145 | Fiberglass Tanks Piping Overhaul | 17,500 | - | - | - | - |
| 6155 | Water System Controls | 35,000 | - | - | - | - |
| 6157 | Irrigation Valve Installations | 65,000 | 65,000 | 65,000 | - | - |
| 6159 | Fire Hydrant Replacement | 20,600 | 21,218 | 21,855 | 22,510 | 23,185 |
| 6163 | Filter Surface Wash Pump Replacement | 20,000 | - | - | - | - |
| 6270 | FRICO Pump Station Upgrades | 180,000 | - | - | - | - |
| 6271 | FRICO Pipeline Maintenance | 55,000 | - | - | - | - |
| 6780 | Windy Gap Firming | 525,000 | - | - | - | - |
| 6880 | Water Storage Tank Cleaning | 15,000 | - | - | 15,000 | - |
| 6129 | Actuators and Valve Replacement | 110,000 | 110,000 | - | - | - |
| 6148 | WTP Solids Handling Facility | - | 100,000 | 1,000,000 | - | - |
| 6149 | Water Storage Tank Rehabilitation | - | 160,000 | 130,000 | - | - |
| 6300 | Vehicle Replacement | - | 11,250 | 11,250 | 41,250 | 10,000 |
| 6781 | Windy Gap Loan/Allotment Contract | - | 1,600,000 | 1,600,000 | 1,600,000 | 1,600,000 |
| 3340 | Filter Media Replacement | - | - | 110,000 | 115,000 | 120,000 |
| 6043 | Water Tank Fence Improvements | - | - | 40,000 | - | - |
| 6061 | Irrigation Storage Tank Floating Cover Replace | - | - | 200,000 | - | - |
| 6132 | WTP Clarifloculator Rebuild/Replacement | - | - | 25,000 | 205,000 | 72,500 |
| 6167 | WTP Chemical Pump Replacement | - | - | - | 11,000 | - |

| Acct # | Projects | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|---------------|---------------------------------|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| | WTP Filter Replacements | - | - | - | - | 400,000 |
| 6421 | Building-PW/Parks Maint & Oper. | - | - | - | - | 125,000 |
| | | \$1,248,200 | \$2,067,468 | \$3,203,105 | \$2,009,760 | \$2,350,685 |

Utility Master Plan Update

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 20,000 Water Capital

BUDGET BY YEAR

2019 \$ 20,000

2020 -

2021 -

2022 -

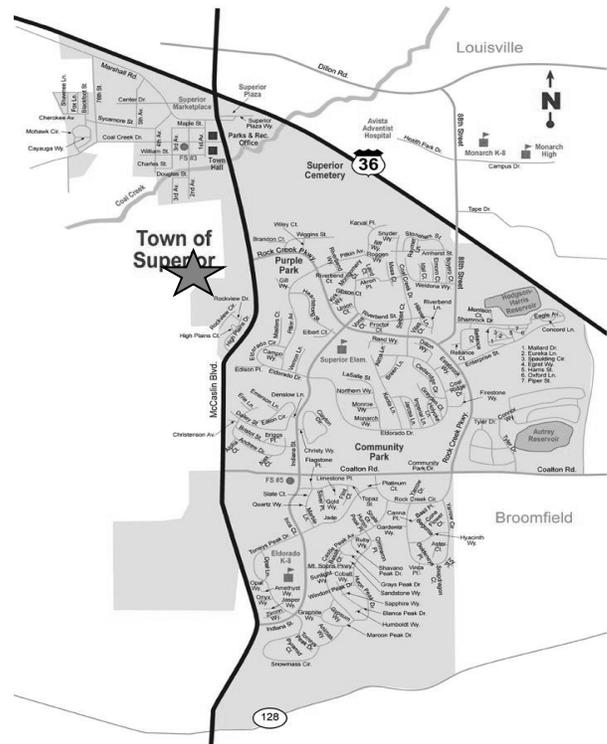
2023 -

\$ 20,000 **Total Cost**

Total Cost \$ 20,000

PROJECT DESCRIPTION

This project would update our current Utilities Master Plan. The current plan was completed in 2008 and with the increased development and infrastructure it requires updating.



ANNUAL OPERATING BUDGET IMPACT

\$ 1,000

Reuse System Upgrades

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 75,000 Water Capital

BUDGET BY YEAR

2019 \$ 75,000

2020

2021 -

2022 -

2023 -

\$ 75,000 **Total Cost**

Total Cost \$ 75,000

PROJECT DESCRIPTION

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

2019: Replace Tank Zone Pumps, piping and valves (over 20 years old never been replaced)



ANNUAL OPERATING BUDGET IMPACT

\$ -

Water Pump Station Upgrades

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 80,000 Water Capital

BUDGET BY YEAR

2019 \$ 80,000

2020 -

2021 -

2022 -

2023 -

\$ 80,000 **Total Cost**

Total Cost \$ 80,000

PROJECT DESCRIPTION

This project will rebuild the main duty pumps (adjacent to South Pool) to keep our potable water system pressurized at the higher elevations. AB Pump Station-Replace both pumps (\$40,000); Replace the variable frequency drive (VFD) (\$15,000); Provide remote telemetry and SCADA connection (25,000)



ANNUAL OPERATING BUDGET IMPACT

\$ -

Sonic Solutions for Algae control @ Terminal Reservoir and Pond 5

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 30,000 Water Capital

BUDGET BY YEAR

2019 \$ 30,000

2020 -

2021 -

2022 -

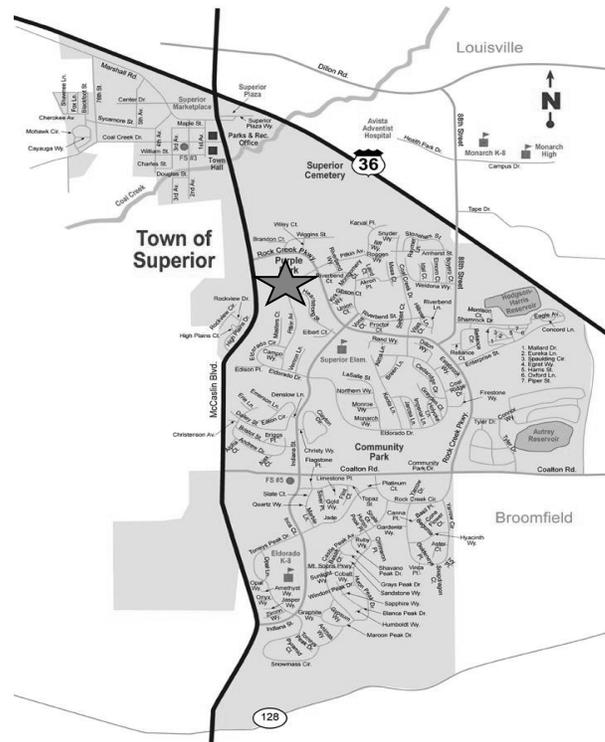
2023 -

\$ 30,000 Total Cost

Total Cost \$ 30,000

PROJECT DESCRIPTION

This project, started in 2018, installs sonic devices (in lieu of chemicals) at Pond 5 and Terminal Reservoir 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

\$ 17,500 **Total Cost**

BUDGET BY YEAR

2019 \$ 17,500

2020 -

2021 -

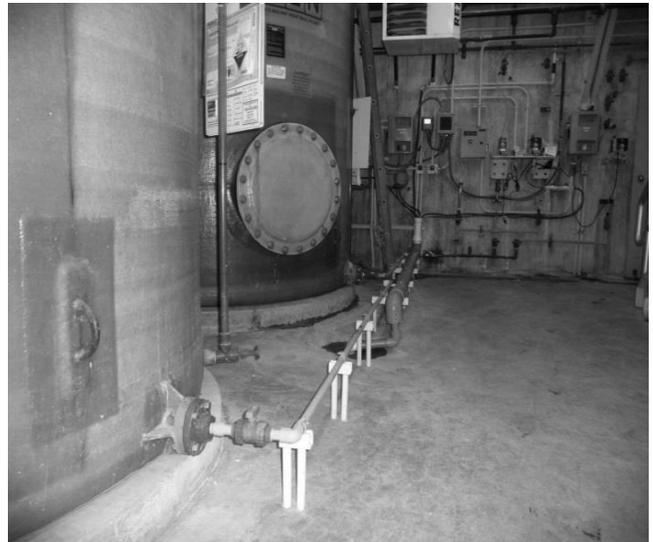
2022 -

2023 -

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. In the past, these PVC fittings have become damaged and operators had to scramble to plug the pipe until we were able to fix the broken fitting.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Water System Controls Upgrades

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 35,000 Water Capital

BUDGET BY YEAR

2019 \$ 35,000

2020 -

2021 -

2022 -

2023 -

\$ 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. **2019** - \$35K repair and rewire the console that houses the programming and data transfer for filters 3 & 4.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Irrigation Valve Installations

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 65,000 Water Capital

BUDGET BY YEAR

2019 \$ 65,000

2020 65,000

2021 65,000

2022 -

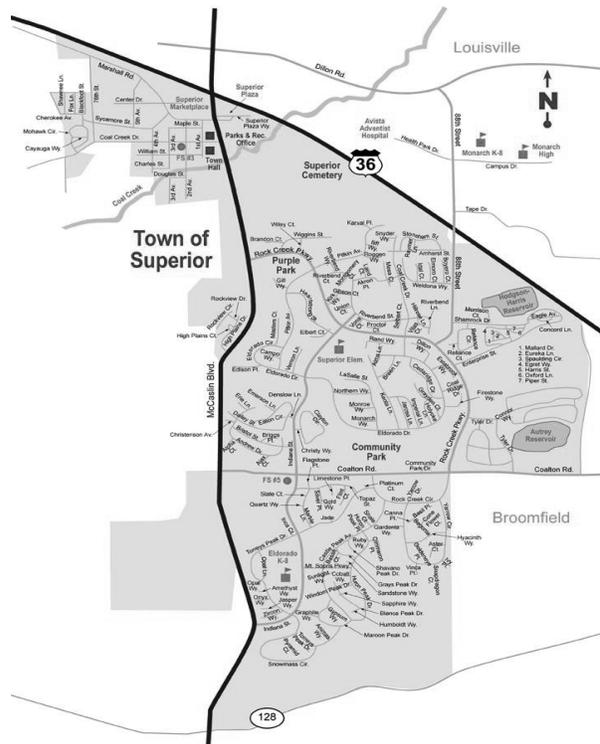
2023 -

Total Cost
\$ 65,000

Total Cost \$ 195,000

PROJECT DESCRIPTION

This project, which began in 2017, will provide approximately ten (2/year) isolation valves, blow offs (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

\$ 20,600 Water Capital

BUDGET BY YEAR

2019 \$ 20,600

2020 21,218

2021 21,855

2022 22,510

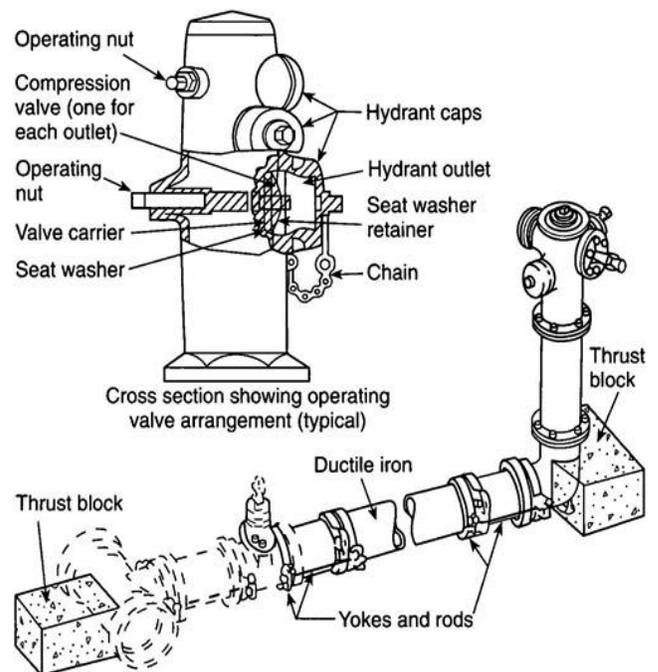
2023 23,185

\$ 20,600 **Total Cost**

Total Cost \$ 109,368

PROJECT DESCRIPTION

This project continues to replace old and damaged hydrants.



ANNUAL OPERATING BUDGET IMPACT

\$ (500)

Filter Surface Wash Pumps Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 20,000 Water Capital

BUDGET BY YEAR

2019 \$ 20,000

2020 -

2021 -

2022 -

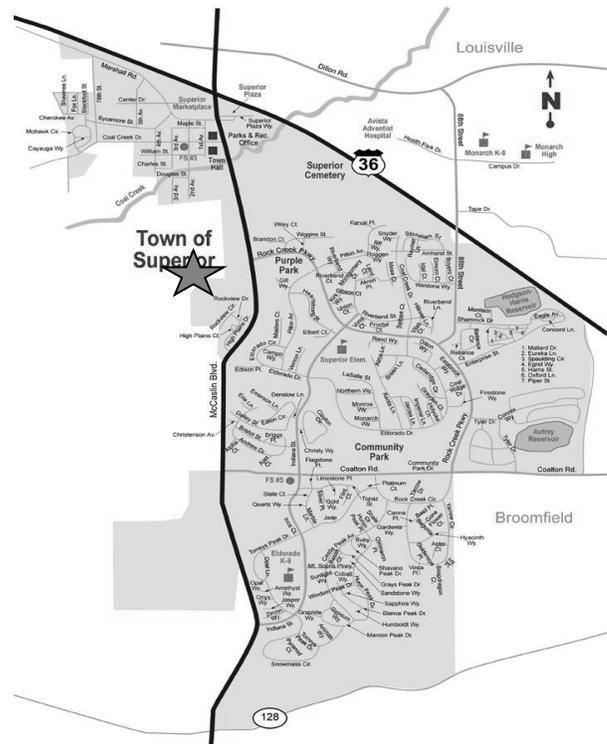
2023 -

Total Cost \$ 20,000

Total Cost \$ 20,000

PROJECT DESCRIPTION

This project would replace the existing pump for the Filter surface washers. These pumps have never been replaced.



ANNUAL OPERATING BUDGET IMPACT

\$ 1,000

FRICO Pump Station Upgrades

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 180,000 Water Capital

BUDGET BY YEAR

2019 \$ 180,000

2020 -

2021 -

2022 -

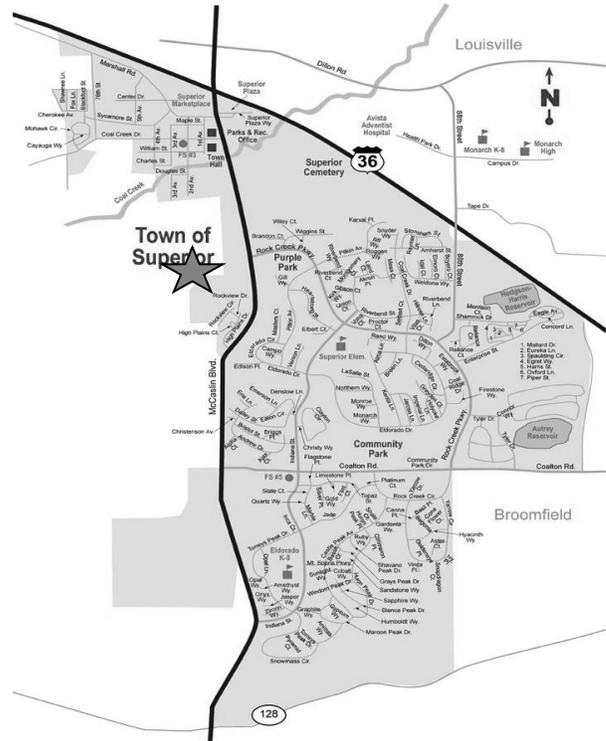
2023 -

Total Cost \$ 180,000

Total Cost \$ 180,000

PROJECT DESCRIPTION

Required capital maintenance improvements at the FRICO pump station. No major improvements have been made over the last 20 years. This pump station is a critical distribution facility for our water system.



ANNUAL OPERATING BUDGET IMPACT

\$ 1,000

FRICO Pipeline Maintenance

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 55,000 Water Capital

BUDGET BY YEAR

2019 \$ 55,000

2020 -

2021 -

2022 -

2023 -

\$ 55,000 **Total Cost**

Total Cost \$ 55,000

PROJECT DESCRIPTION

This project, which began in 2018, 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. Fulfills an on-going contractual obligation for the Town to maintain the pipeline portion of the FRICO ditch within Superior.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Windy Gap Firming

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 525,000 Water Capital

BUDGET BY YEAR

2019 \$ 525,000

2020 1,600,000

2021 1,600,000

2022 1,600,000

2023 1,600,000

\$ 525,000 **Total Cost**

Total Cost \$ 6,925,000

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 \$522 million, (Superior share at \$27 million) split between 13 entities) will provide 4,726 ac-ft. of storage dedicated to the Town.

2019 - Final Design

2020 and after - Debt Service/Allotment Contract

ANNUAL OPERATING BUDGET IMPACT

\$ 34,000 Beginning in 2020



Water Storage Tank Cleaning

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 15,000 Water Capital

BUDGET BY YEAR

2019 \$ 15,000

2020 -

2021 -

2022 15,000

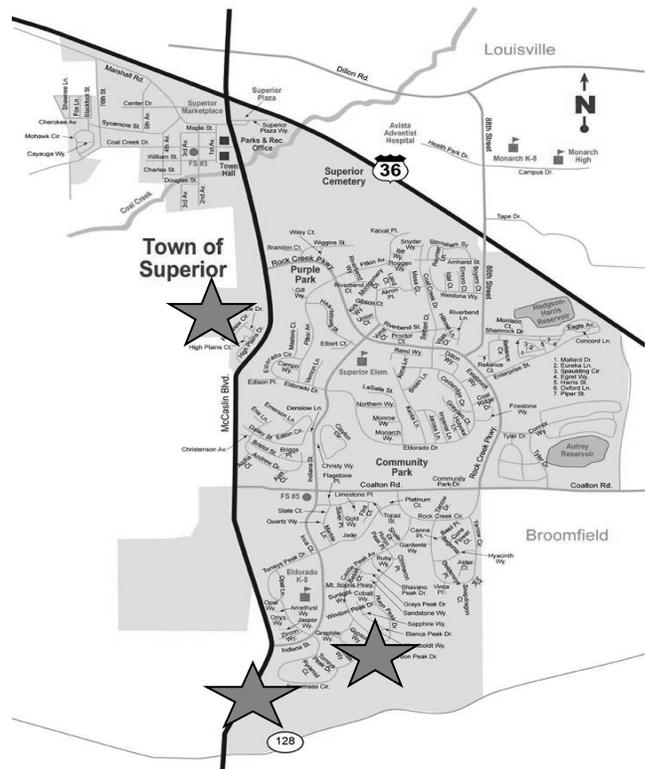
2023 -

Total Cost
\$ 15,000

Total Cost
\$ 30,000

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. This project is on a four year cycle.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Actuators and Valve Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 110,000 Water Capital

BUDGET BY YEAR

2019 \$ 110,000

2020 110,000

2021 -

2022 -

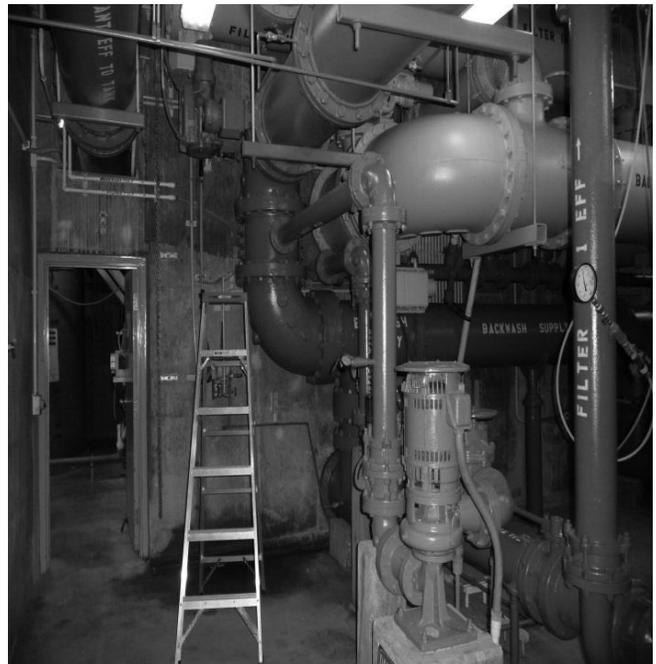
2023 -

\$ 110,000 **Total Cost**

Total Cost \$ 220,000

PROJECT DESCRIPTION

Provide and install new, electric actuators to control backwash operations for the filters. There are 4 filters and 2 actuated valves per filter for a total of 8 for this two year project. Operators currently use a ladder to get to the valves to adjust the flow. In the past, the Water Treatment Plant has been shut down because the actuators have failed.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WTP Solids Handling Facility

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 100,000 Water Capital

\$ 100,000 **Total Cost**

BUDGET BY YEAR

| | |
|------|-----------|
| 2019 | \$ - |
| 2020 | 100,000 |
| 2021 | 1,000,000 |
| 2022 | - |
| 2023 | - |

Total Cost \$ 1,100,000

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. More importantly the State will require water treatment plants to provide a means of dewatering sludge before sending to landfills.

2020 - Design

2021 - Construction



ANNUAL OPERATING BUDGET IMPACT

\$ (20,000) Savings

Water Storage Tank Rehabilitation

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 160,000 Water Capital

\$ 160,000 **Total Cost**

BUDGET BY YEAR

| | | |
|------|----|---------|
| 2019 | \$ | - |
| 2020 | | 160,000 |
| 2021 | | 130,000 |
| 2022 | | - |
| 2023 | | - |

Total Cost \$ 290,000

PROJECT DESCRIPTION

Water Storage tanks (3) have been in operation for about 21 years and will require some major rehabilitation work; including sandblasting and recoating /painting. This work has never been performed in the past.



ANNUAL OPERATING BUDGET IMPACT

\$ -

Filter Media Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 110,000 Water Capital

BUDGET BY YEAR

| | |
|-------------------|-------------------|
| 2019 | \$ - |
| 2020 | - |
| 2021 | 110,000 |
| 2022 | 115,000 |
| 2023 | 120,000 |
| Total Cost | \$ 345,000 |

\$ 110,000 **Total Cost**

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 10-year replacement schedule.

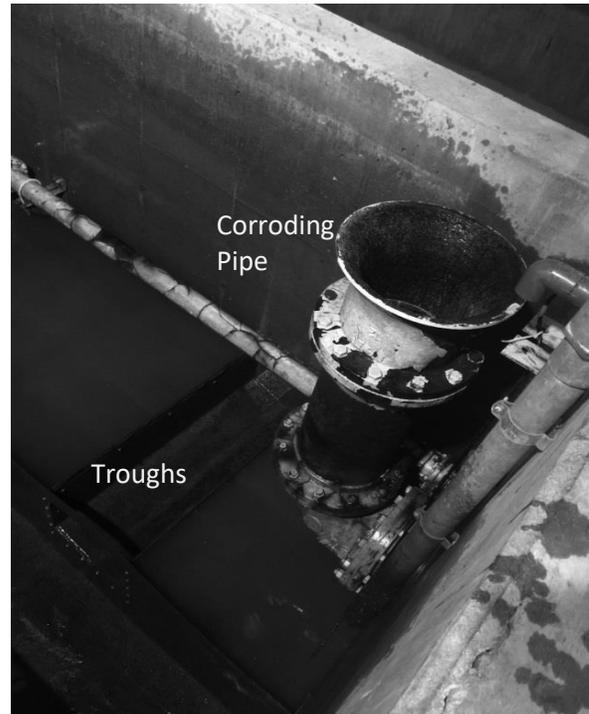
WTP filter media replacement schedule:

Filter 1: 2006, 2013, 2022

Filter 2: 2005, 2013, 2023

Filter 3: 2008, 2014, 2024

Filter 4: 2011, 2021, 2031



ANNUAL OPERATING BUDGET IMPACT

\$ -

Water Tank Fence Improvements

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 40,000 Water Capital

BUDGET BY YEAR

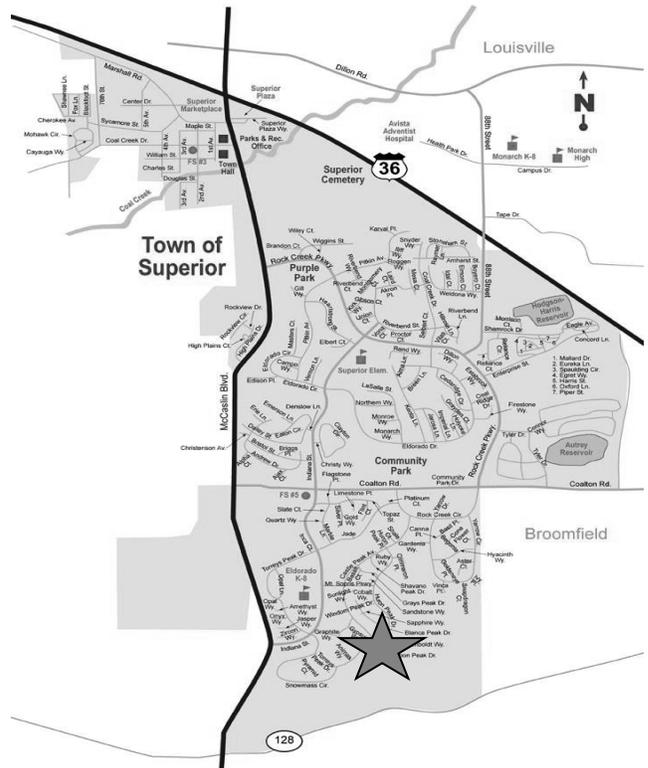
| | | |
|------|----|--------|
| 2019 | \$ | - |
| 2020 | | - |
| 2021 | | 40,000 |
| 2022 | | - |
| 2023 | | - |

\$ 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 Cover Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 200,000 Water Capital

BUDGET BY YEAR

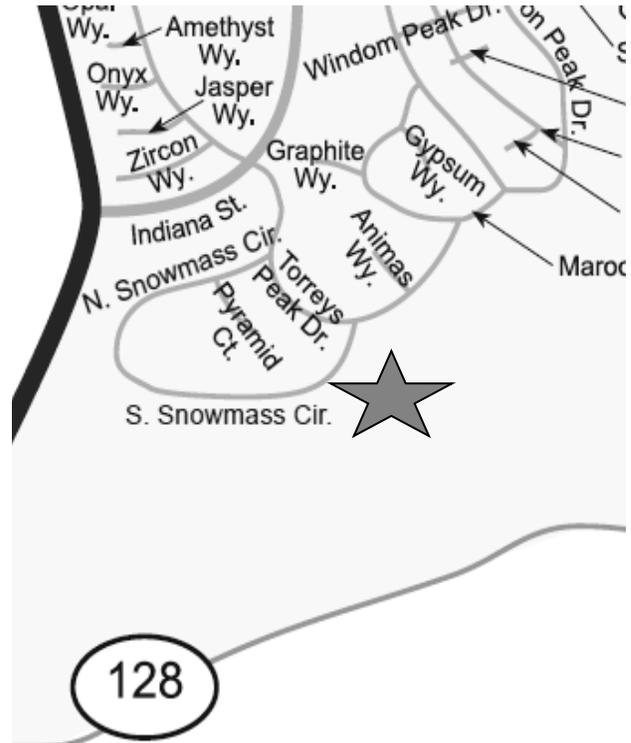
| | |
|------|---------|
| 2019 | \$ - |
| 2020 | - |
| 2021 | 200,000 |
| 2022 | - |
| 2023 | - |

Total Cost
\$ 200,000

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

\$ -

WTP Clarifloculator Rebuild/Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 25,000 Water Capital

BUDGET BY YEAR

2019 \$ -

2020 -

2021 25,000

2022 205,000

2023 72,500

\$ 25,000 Total Cost

Total Cost \$ 302,500

PROJECT DESCRIPTION

Major upgrades include protection from the wind, probable solutions include: 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. After cover installed may start redesign for new systems depending on the longevity and condition after the upgrades.

2021 - Design cover (include access for equipment), gear box and weir adjustments for west clarifloculator.

2022 - Install cover for west basin.

2023 - Design - Clarifloculator - includes removing existing equipment, installing a new mechanism and baffles

ANNUAL OPERATING BUDGET IMPACT

\$ -



WTP Chemical Pump Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 11,000 Water Capital

\$ 11,000 **Total Cost**

BUDGET BY YEAR

| | |
|-------------------|------------------|
| 2019 | \$ - |
| 2020 | - |
| 2021 | - |
| 2022 | 11,000 |
| 2023 | - |
| Total Cost | \$ 11,000 |

PROJECT DESCRIPTION

Purchase two replacement chemical feed pumps.
 Typical replacement cycle is every four to five years.



ANNUAL OPERATING BUDGET IMPACT

\$ -

**2019 - 2023 Superior Metropolitan District No. 1
Wastewater Capital Improvement Program Budget Revenue (51)**

| Acct # | Revenues | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|---------------|------------------------------------|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 36-6100 | Interest Income | \$23,000 | \$2,000 | \$11,000 | \$18,000 | \$28,000 |
| 36-6341 | Wastewater System Development Fees | 685,000 | 700,000 | 800,000 | 490,000 | 400,000 |
| 36-6953 | Transfer from Operation User Fees | 64,605 | 134,482 | 234,646 | 301,406 | 381,284 |
| 36-6820 | Debt/Loan | 3,000,000 | - | - | - | - |
| | Use of / (Addition to) Net Assets | 1,532,395 | (503,085) | (292,249) | (423,009) | 533,363 |
| | | \$5,305,000 | \$333,397 | \$753,397 | \$386,397 | \$1,342,647 |

**2019 – 2023 Superior Metropolitan District No. 1
Wastewater Capital Improvement Program Budget Expense (51-499)**

| Acct # | Projects | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|---------------|--|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 5241 | Utility Master Plan | \$20,000 | \$- | \$- | \$- | \$- |
| 6193 | WWTP Aeration Basin Work | 175,000 | - | 130,000 | - | - |
| 6194 | WWTP Chemical Tanks Coating | 50,000 | - | - | - | - |
| 6229 | Chlorine Storage Tanks | 70,000 | - | - | - | - |
| 6237 | WWTP Building Upgrades | 75,000 | - | 80,000 | - | - |
| 6238 | WWTP Auxiliary Equipment | 45,000 | - | - | - | - |
| 6279 | WWTP Process Equipment Maintenance | 170,000 | - | 25,000 | - | - |
| 6282 | WWTP Equalization Pond Liner Repair | 275,000 | - | - | - | 200,000 |
| 6284 | Sanitary Sewer Manhole and Line Rehabilitation | 75,000 | 75,000 | 75,000 | 75,000 | 75,000 |
| 6285 | WWTP Filter Media and Underdrain Replacement | 50,000 | - | - | - | - |
| 6289 | WWTP Headworks Reconstruction | 4,300,000 | - | - | - | - |
| 6236 | WWTP Miscellaneous Improvements | - | 50,000 | 50,000 | 50,000 | 50,000 |
| 6300 | Vehicle Replacement | - | 6,750 | 6,750 | 24,750 | 6,000 |
| | Debt/Loan Repayment | - | 201,647 | 201,647 | 201,647 | 201,647 |
| 6081 | Town Wide Collection System Video Assessment | - | - | 35,000 | 35,000 | 35,000 |
| 6235 | WWTP Site Improvements (Drainage) | - | - | 150,000 | - | - |
| 6239 | WWTP Biological Nutrient Removal | - | - | - | - | 700,000 |
| 6421 | Building-PW/Parks Maint. & Oper. | - | - | - | - | 75,000 |
| | | \$5,305,000 | \$333,397 | \$753,397 | \$386,397 | \$1,342,647 |

Utilities Master Plan Update

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 20,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 20,000

2020 -

2021 -

2022 -

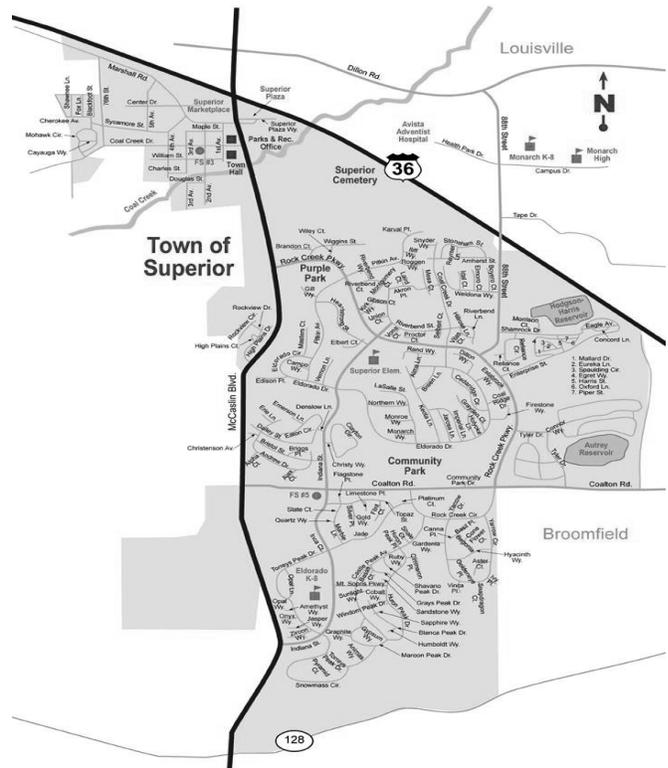
2023 -

Total Cost
\$ 20,000

Total Cost
\$ 20,000

PROJECT DESCRIPTION

This project would update our current Utilities Master Plan. The current plan was completed in 2008 and with the increased development and infrastructure it requires updating.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Aeration Basin Work

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 175,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 175,000

2020 -

2021 130,000

2022 -

2023 -

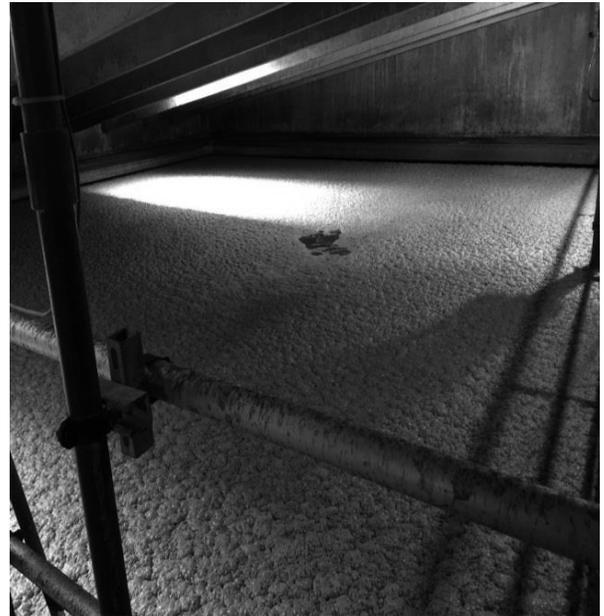
\$ 175,000 **Total Cost**

Total Cost \$ 305,000

PROJECT DESCRIPTION

2019 - Complete the recycle piping in the west basin; purchase and install a recycle pump in each basin. This project will allow for the removal of nutrients which then extends our compliance schedule to meet Regulation 85

2021 - Install fine bubble diffusers in the west basin



ANNUAL OPERATING BUDGET IMPACT

\$ 10,000

WWTP Chemical Tanks Coating

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 50,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 50,000

2020 -

2021 -

2022 -

2023 -

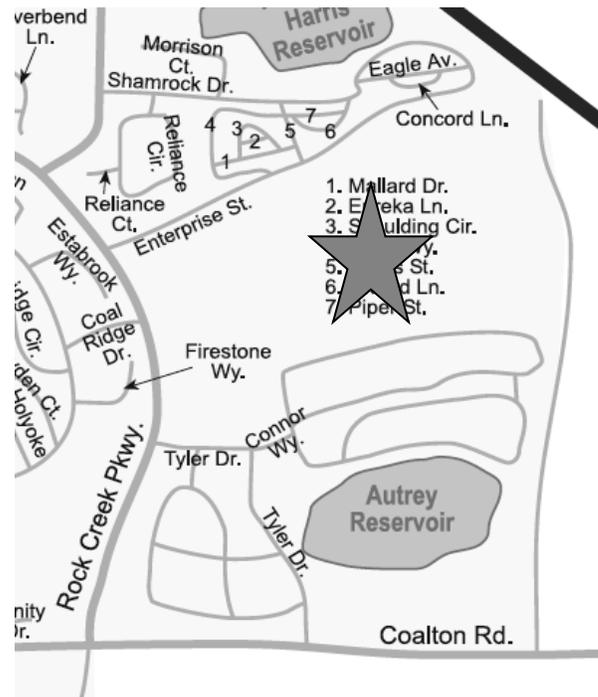
\$ 50,000 **Total Cost**

Total Cost \$ 50,000

PROJECT DESCRIPTION

This project provides cleaning, sealing and recoating two (2) concrete tanks in the basement of advance water treatment (AWT) building. One tank will be used for sodium bisulfite and the other tank will be used for polymer. Currently, one of the tanks is leaking into clearwell; so, we are manually handling and feeding chemical out of 55 gallon drums.

2019 - West tank (storage for polymer)



ANNUAL OPERATING BUDGET IMPACT

\$ -

Chlorine Storage Tanks

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 70,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 70,000

2020 -

2021 -

2022 -

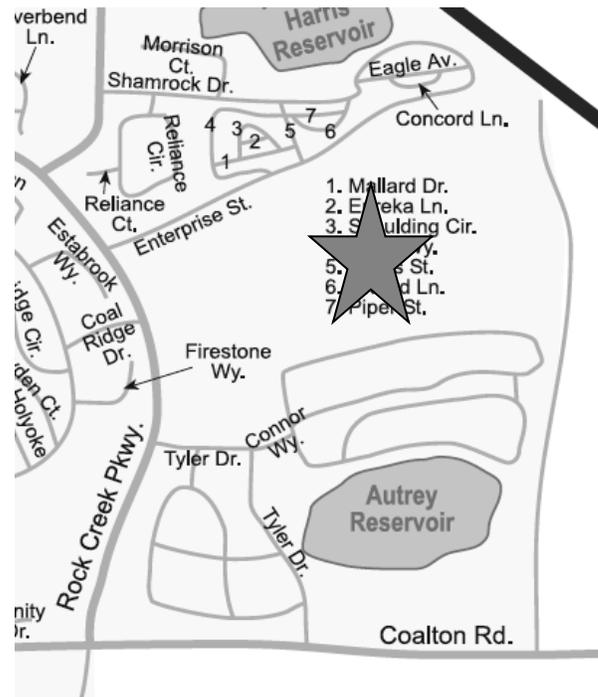
2023 -

Total Cost \$ 70,000

Total Cost \$ 70,000

PROJECT DESCRIPTION

Replacement of two 20+ year old chlorine solution tanks. Includes removing and replacing concrete containment wall.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Building Upgrades

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 75,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 75,000

2020 -

2021 80,000

2022 -

2023 -

\$ 75,000 **Total Cost**

Total Cost \$ 155,000

PROJECT DESCRIPTION

2019 - Pipe painting in AWT and stairs. Concrete wall cleaning, replace misc. railings. Replace hatches in floors. Replace roof. Replace Entrance gate.

2021- Paint exterior of all buildings.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Auxiliary Equipment

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 45,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 45,000

2020 -

2021 -

2022 -

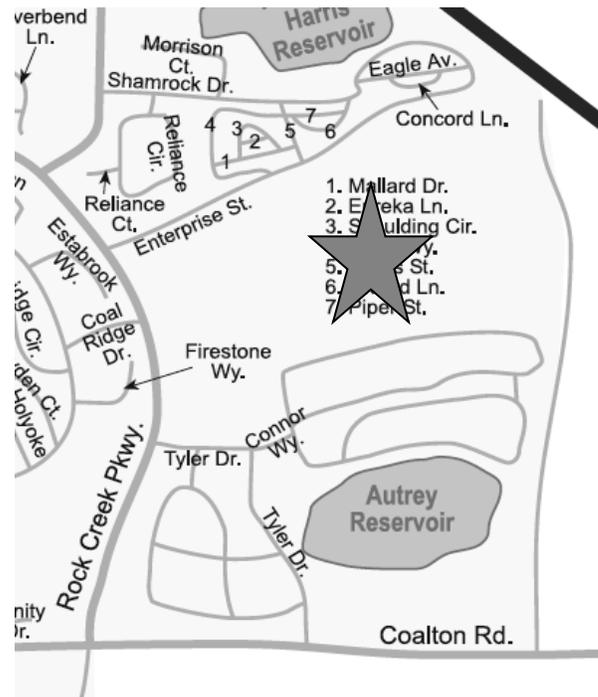
2023 -

Total Cost \$ 45,000

Total Cost \$ 45,000

PROJECT DESCRIPTION

6" gas powered bypass pump & pressure washer. This is needed for general and emergency plant operations. We have been renting this equipment over the years. Anticipated pay back in 5 to 7 years.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Process Pump Maintenance

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 170,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 170,000

2020 -

2021 25,000

2022 -

2023 -

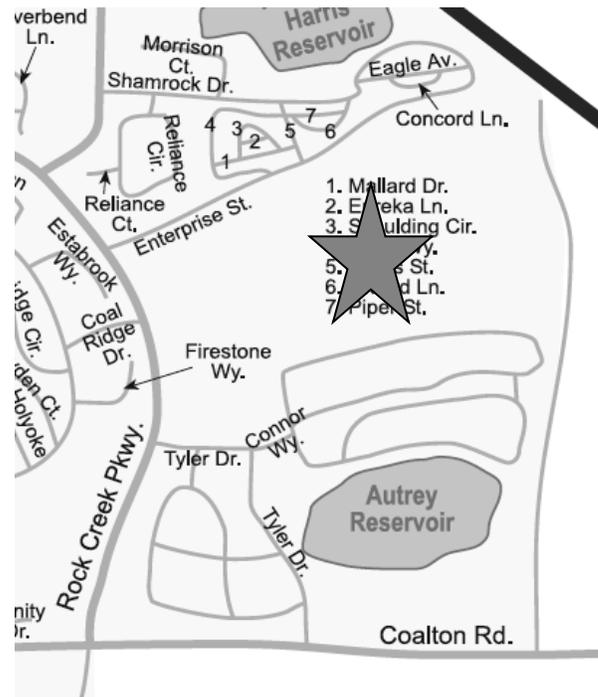
Total Cost \$ 170,000

Total Cost \$ 195,000

PROJECT DESCRIPTION

2019 - AWT pumps: Replace (final 2 of 4) \$70,000
 Backwash pond effluent pump: Replace (1 of 1) \$20,000. Centrifuge feed progressive cavity pumps: Replace (1 of 2) \$25,000. Clarifloculator sludge pump and automate effluent valve: Replace (1 of 1) \$40,000. Filter surface wash pump: Replace (1 of 1) \$12,000.

2021 - Centrifuge feed progressive cavity pump: Replace (final 1 of 2) \$25,000



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Equalization Pond Liner Repair

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 275,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 275,000

2020 -

2021 -

2022 -

2023 200,000

\$ 275,000 **Total Cost**

Total Cost \$ 475,000

PROJECT DESCRIPTION

Upgrade of the equalization pond system at the wastewater treatment plant (WWTP) as required by the State of Colorado. Dredge, reline, and install sludge removal piping. Combine pond process for more efficient use of volume and land.

2019 - Finish Construction (project started in 2018)

2023 - Floating Cover for Equalization Pond (This cuts down on solids introduction into the wastewater treatment process)



ANNUAL OPERATING BUDGET IMPACT

\$ -

Sanitary Sewer Manhole & Line Rehabilitation

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 75,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 75,000

2020 75,000

2021 75,000

2022 75,000

2023 75,000

\$ 75,000 **Total Cost**

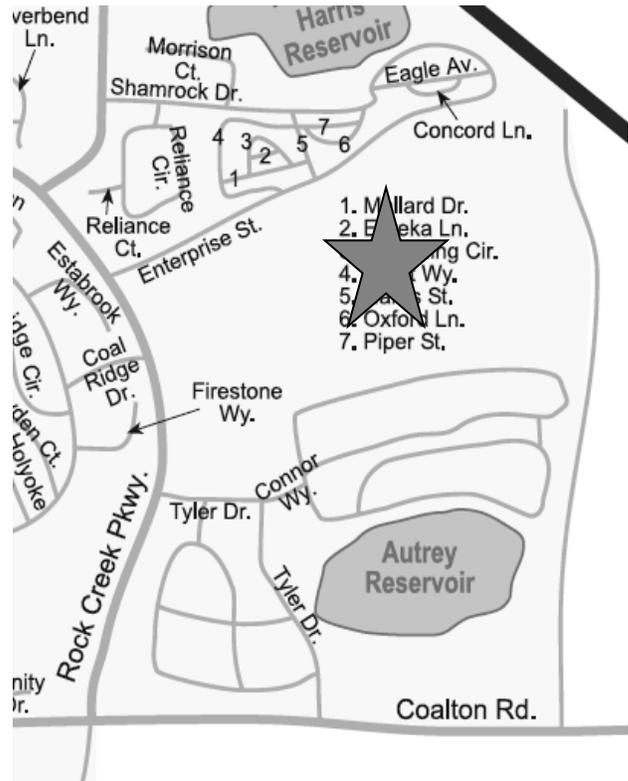
Total Cost \$ 375,000

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 Filter Media Replacement

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 50,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 50,000

2020 -

2021 -

2022 -

2023 -

Total Cost \$ 50,000

Total Cost \$ 50,000

PROJECT DESCRIPTION

2019: Replace filter #2 media. Similar to the water filter media this needs to be replaced every 10 years.

Future project includes replacing underdrains; which usually last an average of 20 years. Filter 1's under drain is 23 years old and filter 2's is 12 years old. During filter media replacement the underdrains are inspected for defects and life expectancy.



ANNUAL OPERATING BUDGET IMPACT

TBD

WWTP Headworks Reconstruction

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 4,300,000 Sewer Capital

BUDGET BY YEAR

2019 \$ 4,300,000

2020 -

2021 -

2022 -

2023 -

\$ 4,300,000 **Total Cost**

Total Cost \$ 4,300,000

PROJECT DESCRIPTION

This project will rebuild the entire headworks facility at the front end of the WWTP. This will address process issues as well as safety and odor control issues. Must be done prior to the biological nutrient removal (BNR) upgrades projects (currently planned for 2023). Total cost of project is estimated at \$4.3M. At this point, staff is planning on a loan for the majority of this project.



ANNUAL OPERATING BUDGET IMPACT

TBD

WWTP Miscellaneous Improvements

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 50,000 Sewer Capital

BUDGET BY YEAR

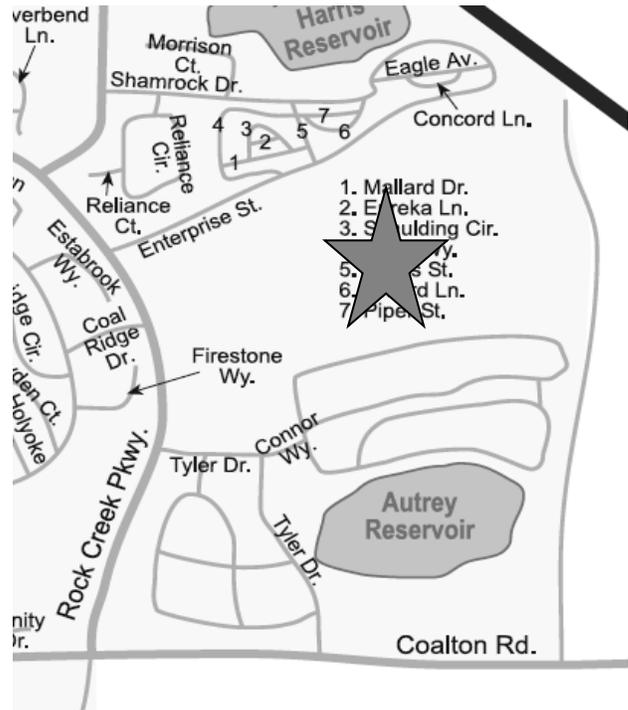
| | |
|------|--------|
| 2019 | \$ - |
| 2020 | 50,000 |
| 2021 | 50,000 |
| 2022 | 50,000 |
| 2023 | 50,000 |

Total Cost \$ 50,000

Total Cost \$ 200,000

PROJECT DESCRIPTION

This project is intended to provide a reserve for yet to be identified capital improvements at the wastewater 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

\$ -

Town Wide Collection System Video Assessment

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 35,000 Sewer Capital

BUDGET BY YEAR

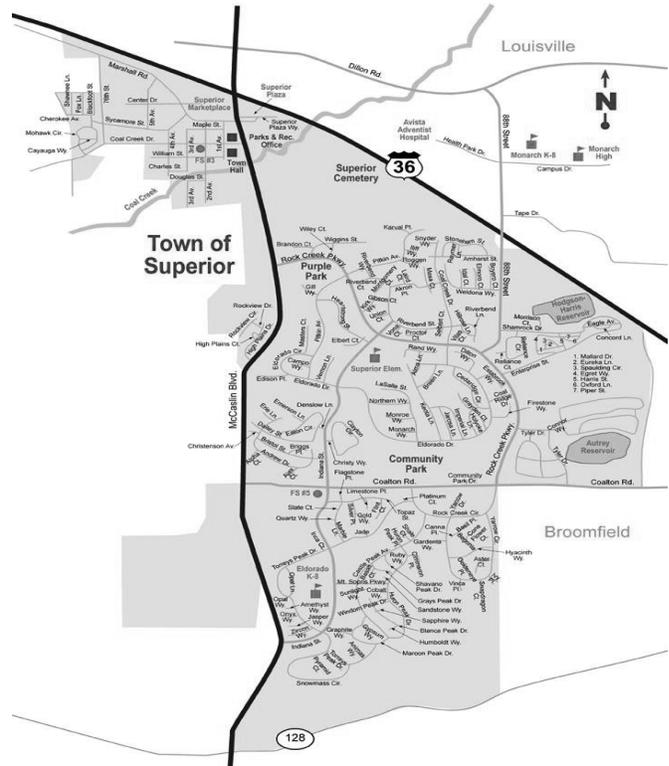
| | |
|------|--------|
| 2019 | \$ - |
| 2020 | - |
| 2021 | 35,000 |
| 2022 | 35,000 |
| 2023 | 35,000 |

\$ 35,000 **Total Cost**

Total Cost \$ 105,000

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 which was completed in 2016 and will restart the cycle in 2021.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Site Improvements (Drainage)

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 150,000 Sewer Capital

BUDGET BY YEAR

| | | |
|------|----|---------|
| 2019 | \$ | - |
| 2020 | | - |
| 2021 | | 150,000 |
| 2022 | | - |
| 2023 | | - |

\$ 150,000 **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.



ANNUAL OPERATING BUDGET IMPACT

\$ -

WWTP Biological Nutrient Removal

Infrastructure Project

FIRST YEAR FUNDING SOURCE

\$ 700,000 Sewer Capital

BUDGET BY YEAR

| | | |
|-------------------|-----------|----------------|
| 2019 | \$ | - |
| 2020 | | - |
| 2021 | | - |
| 2022 | | - |
| 2023 | | <u>700,000</u> |
| Total Cost | \$ | 700,000 |

\$ 700,000 **Total Cost**

PROJECT DESCRIPTION

2023 - Design. Federal/State mandated project. Staff will continue to monitor project with State CDPHE department.



ANNUAL OPERATING BUDGET IMPACT

\$ 30,000 Beginning 2025

**2019 - 2023 Superior Metropolitan District No. 1
Storm Water Capital Improvement Program Budget Revenue (52)**

| Acct # | Revenues | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|---------------|-------------------------------------|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 36-6100 | Interest Income | \$1,000 | \$5,000 | \$10,000 | \$16,000 | \$19,000 |
| 36-6341 | Storm Water System Development Fees | 355,000 | 375,000 | 390,000 | 225,000 | 200,000 |
| 36-6953 | Transfer from Operation User Fees | 45,816 | 42,792 | 40,718 | 34,279 | 30,292 |
| | Use of / (Addition to) Net Assets | (244,316) | (252,917) | (262,574) | (76,453) | (3,850) |
| | | \$157,500 | \$169,875 | \$178,144 | \$198,826 | \$245,442 |

**2019 - 2023 Superior Metropolitan District No. 1
Storm Water Capital Improvement Program Budget Expense (52-499)**

| Acct # | Projects | 2019 Budget | 2020 Projected Budget | 2021 Projected Budget | 2022 Projected Budget | 2023 Projected Budget |
|---------------|--|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 6992 | Reservoir & Ponds Maintenance and Upgrades | \$157,500 | \$165,375 | \$173,644 | \$182,326 | \$191,442 |
| 6300 | Vehicle Replacement | - | 4,500 | 4,500 | 16,500 | 4,000 |
| 6421 | Building-PW/Parks Maint & Oper. | - | - | - | - | 50,000 |
| | | \$157,500 | \$169,875 | \$178,144 | \$198,826 | \$245,442 |

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