



**Proposed FY2023 – FY2027
5 Year Capital Improvement Plan**



SMITHVILLE
missouri

5 Year CIP - Update



*Downtown Streetscape East
Recently Completed*

- The City Administrator, Analysts, and Directors, have worked together to update the Proposed 5 Year CIP (FY2023 – FY2027) for initial review by the Board of Aldermen.
- The FY2023 – FY2027 features significant changes from the FY2022 – FY2026 CIP previously adopted by the Board.
- Project costs have increased with inflation and have been updated since the previous iteration of the 5 Year CIP.
- Projects featuring grant revenue opportunities have also been prioritized.



Combined Water and Wastewater Fund

Proposed 5 Year CIP



Replacing Aging Utility Infrastructure



*Sediment Buildup & Corrosion of Aging Waterlines
(5 Year CIP includes replacing similar condition waterline on Quincy Boulevard and 4th Street Terrace)*

Adopted FY2022 – FY2026 CWWS 5 Year CIP Supported by Operating Revenues

Capital Improvement Project	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Vehicle & Equipment Replacement Fund Transfer	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Raw Water Pump & Campground Station (Engineering)	\$100,000	-	-	-	-
4th Street and 4th Terrace (Engineering)	\$60,000	-	-	-	-
4th Street and 4th Terrace (Construction)	\$300,000	-	-	-	-
Floating Aerator	\$200,000	-	-	-	-
Water Plant Lagoon Cleaning	\$150,000	-	-	-	-
HVAC System (Wastewater Plant)	\$20,000	-	-	-	-
GIS/Asset Management (Cost Split 50/50 With CWWS)	\$50,000	-	-	-	-
UV Lights (Wastewater Plant)	\$40,000	-	-	-	-
Utility Rate Study Update (Impact fees/User Charges)	\$25,000	-	-	-	-
Woods Court Lift Station Rehab	\$40,000	-	-	-	-
West Bypass 144th Street Lift Station (Engineering & Right of Way)	\$500,000	-	-	-	-
Grand Total (Net Cost)	\$1,505,000				

Operational costs (like the VEF Transfer or GIS Management Software) will be discussed in the operating budgets going forward since they are not true capital improvement projects

Adopted FY2022 – FY2026 CWWS 5 Year CIP Supported by Operating Revenues

Capital Improvement Project	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
144th Street Lift Station (Construction)	-	\$1,500,000	-	-	-
West Bypass 144th Street Lift Station (Construction)	-	\$2,000,000	-	-	-
River Crossing (12" Waterline) (Engineering)	-	\$100,000	-	-	-
Tower Interconnect at Amory/169	-	\$20,000	-	-	-
Water Plant Expansion (Engineering)	-	\$1,000,000	\$1,000,000	-	-
River Crossing (12" Waterline) (Construction)	-	-	\$500,000	-	-
Interconnect Mains at 144th/169 Highway	-	-	\$20,000	-	-
Maple Lane (12" Waterline) (Engineering)	-	-	\$50,000	-	-
Highway 92 & Commercial Waterline (Engineering)	-	-	\$50,000	-	-
Maple Lane (12" Waterline) (Construction)	-	-	-	\$250,000	-
Highway 92 & Commercial Waterline (Construction)	-	-	-	\$200,000	-
144th Street to Forest Oaks Gravity Line (Construction)	-	-	-	\$3,000,000	-
Water Plant Expansion (Construction)	-	-	-	\$5,000,000	\$5,000,000
Wastewater Treatment Plant Expansion (Phase I & II Engineering)	-	-	-	-	\$800,000
Grand Total (Net Cost)	\$1,505,000	\$4,640,000	\$1,640,000	\$8,470,000	\$5,820,000

Proposed 5 Year CIP (FY2023) Supported by Operating Revenues

Capital Improvement Project	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
144th Street Lift Station (Construction)	\$1,700,000	-	-	-	-
West Bypass - 144th Street Lift Station (Construction)	\$2,200,000	-	-	-	-
Tower Interconnect at Amory/169 Highway (Construction)	\$50,000	-	-	-	-
Wastewater Plant - Bar Screen (Engineering)	\$250,000	-	-	-	-
Quincy Waterline - Hawthorne/Quincy to Pine (Engineering)	\$150,000	-	-	-	-
Quincy Waterline - Hawthorne/Quincy to Pine (Construction)	\$500,000	-	-	-	-
4th Street and 4th Terrace Waterline Replacement (Construction)	\$500,000	-	-	-	-
Winner and Woods - Waterline Replacement (Engineering)	\$150,000	-	-	-	-
Winner and Woods - Waterline Replacement (Construction)	\$500,000	-	-	-	-
Water Plant Improvements (Engineering and Construction)	\$1,000,000	-	-	-	-
Grand Total (Net Cost)	\$7,000,000				

COP (Certificate of Participation) financing amortized over a 20-year period utilized for the following projects:

- 144th Street Lift Station (**Construction**)
- West Bypass (of) 144th Street Lift Station (**Construction**)

Proposed 5 Year CIP (FY2024 - FY2027) Supported by Operating Revenues

Capital Improvement Project	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Wastewater Plant - Bar Screen (Construction)	-	\$900,000	-	-	-
Interconnect Mains at 144th/169 Highway (Construction)	-	\$55,000	-	-	-
Maple Lane - 12" Waterline (Engineering)	-	\$125,000	-	-	-
Highway 92 & Commercial Waterline (Engineering)	-	\$125,000	-	-	-
Owens Branch Gravity Line Phase #1, Line #1 (Construction)	-	\$2,200,000	-	-	-
Wastewater Treatment Plant Expansion (Engineering)	-	\$1,050,000	-	-	-
Maple Lane - 12" Waterline (Construction)	-	-	\$500,000	-	-
Highway 92 & Commercial Waterline (Construction)	-	-	\$300,000	-	-
Owens Branch Gravity Line Phase #1, Line #2 (Engineering)	-	-	\$600,000	-	-
Additional Water and Wastewater Project Funding	-	-	\$2,000,000	-	-
Owens Branch Gravity Line Phase #1, Line #2 (Construction)	-	-	-	\$2,500,000	-
Water Plant Expansion (Engineering)	-	-	-	\$2,100,000	-
Additional Water and Wastewater Project Funding	-	-	-	\$2,000,000	-
Wastewater Treatment Plant Expansion (Construction)	-	-	-	-	\$5,000,000
Additional Water and Wastewater Project Funding	-	-	-	-	\$2,000,000
Grand Total (Net Cost)	\$7,000,000	\$4,455,000	\$3,400,000	\$6,600,000	\$7,000,000

COP (Certificate of Participation) financing amortized over a 20-year period utilized for the following projects:

- Owens Branch Gravity Line, Phase #1, Line #1 (**Construction**)
- Wastewater Treatment Plant Expansion (**Engineering**)
- Owens Branch Gravity Line Phase #1, Line #2 (**Construction**)
- Wastewater Treatment Plant Expansion Portion (**Construction**)

Pending CIP Supported by Operating Revenues

Pending Capital Improvement Projects	Cost Estimate
F Highway Waterline (Engineering and Construction)	\$300,000
Main Street Waterline (From River Crossing to Liberty (Engineering and Construction))	\$250,000
Helvey Park - 12" Waterline (Engineering and Construction)	\$700,000
169 Waterline (Commercial to SW Tower) (Engineering and Construction)	\$700,000
Owens Branch Gravity Line, Phase #1, Line #3 (Engineering)	\$700,000
Owens Branch Gravity Line, Phase #1, Line #3 (Construction)	\$2,500,000
Wastewater Plant Expansion - Phase #2 (Construction)	\$5,000,000
Water Plant Expansion (Construction)	\$12,000,000
144th Street to Forest Oaks Gravity Line (Construction)	\$3,000,000
Grand Total (Net Cost)	\$25,150,000

- The pending list is not prioritized and is a listing of all projects outside the 5-year CIP.
- COP (Certificate of Participation) financing period would likely be utilized for the pending projects highlighted.

5 Year CIP Wastewater Impact Projects Supported by Wastewater Impact Cash

Capital Improvement Project	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Owens Branch Gravity Line, Line #1, Phase #1 (Engineering)	\$700,000	-	-	-	-
Grand Total (Net Cost)	\$700,000	-	-	-	-



Wastewater impact cash has a restricted use. The cash can only be used to fund wastewater capital projects intended for building wastewater system capacity.

Therefore, the ongoing cash balance of wastewater impact cash is tracked separately from the operating revenues (water and wastewater sales) because of the restricted use.

5 Year CIP Water Impact Projects Supported by Water Impact Cash

Capital Improvement Project	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
River Crossing - 12" Waterline (Engineering)	\$200,000	-	-	-	-
River Crossing - 12" Waterline (Construction)	-	\$550,000	-	-	-
Grand Total (Net Cost)	\$200,000	\$550,000	-	-	-



Water impact cash has a restricted use. The cash can only be used to fund water capital projects intended for building water system capacity.

Therefore, the ongoing cash balance of water impact cash is tracked separately from the operating revenues (water and wastewater sales) because of the restricted use.



Transportation Sales Tax Fund Proposed 5 Year CIP



Previously Adopted FY2022 – FY2026 CIP Transportation Sales Tax Fund

Capital Improvement Project	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Annual Asphalt Overlay Program	-	\$300,000	\$300,000	\$300,000	\$300,000
Asphalt Overlay - Tillman Road (Highway 92 to 144th Street)	\$250,000	-	-	-	-
Asphalt Overlay - Hospital Drive	\$50,000	-	-	-	-
4th Street Terrace Road Repairs (After Utility Improvements)	\$100,000	-	-	-	-
Commercial Street Sidewalks (Engineering)	-	\$70,000	-	-	-
Commercial Street Sidewalks (MARC Reimbursement)	-	-	(500,000)	-	-
Commercial Street Sidewalks (Construction)	-	-	\$686,000	-	-
Grand Total (Net Cost)	\$400,000	\$370,000	\$486,000	\$300,000	\$300,000

Proposed 5 Year CIP Transportation Sales Tax Fund

Capital Improvement Project	FY 2023	FY 2024	FY2025	FY 2026	FY 2027
Annual Asphalt Overlay Program (Projects TBD)	\$200,000	\$300,000	\$300,000	\$300,000	\$300,000
4th Street Road Reconstruction (Following Utility Improvements)	\$150,000	-	-	-	-
Commercial Street Sidewalks (Engineering)	\$150,000	-	-	-	-
Quincy Boulevard (Mill and Overlay)	\$100,000	-	-	-	-
Commercial Street Sidewalks (Construction)	-	\$750,000	-	-	-
Commerical Street Sidewalks (MARC Reimbursement Grant)	-	(500,000)	-	-	-
Grand Total (Net Cost)	\$600,000	\$550,000	\$300,000	\$300,000	\$300,000

Staff has secured funding for:

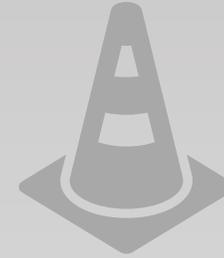
- Commercial Street Sidewalks
(**Construction**)

Streets Division will recommend roads for selection into the annual asphalt overlay program based upon the updated PCI each year

Pending CIP Transportation Sales Tax Fund

Pending Capital Improvement Projects	Cost Estimate
Raised Ped Crosswalk & Flashing Beacon - Maple Elem School	\$70,000
2nd Street Asphalt Overlay (169 to Bridge)	\$25,000
Diamondcrest - Asphalt Overlay	\$175,000
Harborview Asphalt (Newport, Harborview, Fletcher, Mesa)	\$230,000
180th Street Asphalt Overlay (169 Hwy to Old Jefferson)	\$750,000
Harborview Asphalt Overlay (Remaining Roads)	\$725,000
Highland Avenue Asphalt Overlay (Halfway Up Hill)	\$30,000
North Main Street - Asphalt Overlay	\$200,000
134th Street Asphalt Overlay (Road Agreement with County)	\$155,000
176th Street Asphalt Overlay (Road Agreement with County)	\$80,000
South Bridge Street - Asphalt Overlay	\$145,000
Seal Coating/Micro-Surfacing Downtown City Parking Lots	TBD
Grand Total (Net Cost)	\$2,585,000

- The pending list is not prioritized and is a listing of all projects outside the 5 Year CIP
- Cost estimates have not been updated to reflect current market trends as these are 2018 figures



Capital Improvement Sales Tax Fund Proposed 5 Year CIP



Previously Adopted FY2022 – FY2026 5 Year CIP Capital Improvement Sales Tax Fund

Capital Improvement Project & Debt Service	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Annual Transfer to Debt Service	\$351,550	\$354,845	\$357,830	\$364,875	\$371,920
Downtown Streetscape North (Bridge Street) (Engineering)	\$97,000	-	-	-	-
Downtown Streetscape North (Bridge Street) (Construction)	-	\$610,000	-	-	-
MARC Reimbursement (Downtown Streetscape)	-	(488,000)	-	-	-
Downtown Gateway Sign (Engineering)	-	\$70,000	-	-	-
Downtown Gateway Sign (Construction)	-	\$200,000	-	-	-
Grand Total (Net Cost)	\$448,550	\$746,845	\$357,830	\$364,875	\$371,920

Proposed FY2023 – FY2027 5 Year CIP Capital Improvement Sales Tax Fund

Capital Improvement Project & Debt Service	FY 2023	FY 2024	FY2025	FY 2026	FY 2027
Annual Transfer to Pay GO Debt	\$354,845	\$357,830	\$364,875	\$371,920	\$378,420
Downtown Streetscape North (Bridge Street) (Construction)	\$800,000	-		-	-
Downtown Streetscape North (Bridge Street) (MARC Reimbursement Grant)	(488,000)	-		-	-
Quincy Blvd & Owens Street (Street Reconstruction)	\$150,000	-		-	-
Sidewalk - 2nd Creek Bridge to Hwy 169 (Engineering)	-	\$150,000		-	-
Sidewalk - 2nd Creek Bridge to Hwy 169 (Construction)	-	-	\$500,000	-	-
Sidewalk - 2nd Creek Bridge to Hwy 169 (MARC Reimbursement Grant)	-	-	(300,000)	-	-
1st & Bridge Street - Round-A-Bout (Engineering)	-	-	\$250,000	-	-
1st & Bridge Street - Round-A-Bout (Construction)	-	-		\$900,000	-
1st & Bridge Street - Round-A-Bout (MARC Reimbursement Grant)	-	-		(600,000)	-
Grand Total (Net Cost)	\$816,845	\$507,830	\$814,875	\$671,920	\$378,420

Staff has secured grant funding for:

- Downtown Streetscape North (Bridge Street) (Construction)

Staff has applied for MARC grant reimbursement for the following projects:

- Sidewalk – 2nd Creek Bridge to Highway 169
- 1st & Bridge Street – Round-A-Bout

**Fall 2022 - Grants
Awarded by
MARC**

Pending CIP Capital Improvement Sales Tax Fund

Pending Capital Improvement Projects	Cost Estimate
Downtown Gateway Sign (Engineering)	\$70,000
Downtown Gateway Sign (Construction)	\$200,000
Pope Lane Connection to 169 HWY (Engineering)	\$500,000
Pope Lane Connection to 169 HWY (Construction)	\$2,500,000
Pope Lane Connection to 169 HWY (MARC Reimbursement Grant)	(2,000,000)
180th & Eagle Parkway Round-A-Bout (Engineering)	\$250,000
180th & Eagle Parkway Round-A-Bout (Construction)	\$1,000,000
180th & Eagle Parkway Round-A-Bout (MARC Reimbursement Grant)	(700,000)
Pope Lane (172nd) and Round-A-Bout (Engineering)	\$500,000
Pope Lane (172nd) and Round-A-Bout (Construction)	\$2,500,000
Pope Lane (172nd) and Round-A-Bout (MARC Reimbursement Grant)	(2,000,000)
180th & Old Jefferson Round-A-Bout (Engineering)	\$250,000
180th & Old Jefferson Round-A-Bout (Construction)	\$1,000,000
180th & Old Jefferson Round-A-Bout (MARC Reimbursement Grant)	(700,000)
Grand Total (Net Cost)	\$3,370,000

- ❑ This list is not prioritized and is a listing of all projects outside of the 5 Year CIP
- ❑ Staff has submitted MARC reimbursement grant applications for the following projects:
 - Pope Lane Connection to 169 Highway
 - Pope Lane and 172nd Street Roundabout

Fall 2022
Grants Awarded
by MARC



Park and Stormwater Sales Tax Fund Proposed 5 Year CIP



Adopted FY2022 – FY2026 5 Year CIP Park & Stormwater Sales Tax Fund

Capital Improvement Project	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Diamond Crest Neighborhood Park	\$275,000	-	-	-	-
Stormwater Master Plan	\$150,000	-	-	-	-
Quincy/Owens Curb and Stormwater (Engineering)	\$60,000	-	-	-	-
Emerald Ridge Neighborhood Park & Signage	-	\$150,000	-	-	-
Quincy/Owens Curb and Stormwater (Construction)	-	\$100,000	-	-	-
Heritage Park - 2 Shelter Houses & Signage	-	-	\$150,000	-	-
Annual Stormwater Program (Projects TBD)	-	-	\$100,000	\$100,000	\$100,000
Smith's Fork Park - Sport Courts	-	-	-	\$300,000	\$300,000
Grand Total (Net Cost)	\$485,000	\$250,000	\$250,000	\$400,000	\$400,000

Proposed FY2023 – FY2027 5 Year CIP Park and Stormwater Sales Tax Fund

Capital Improvement Project	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Quincy Boulevard and Owens Street Curbs and Stormwater (Construction)	\$250,000	-	-	-	-
Emerald Ridge Neighborhood Park & Signage	\$150,000	-	-	-	-
Diamond Crest Multi-use Trail (Construction)*	\$281,000	-	-	-	-
Diamond Crest Multi-use Trail (Grant Reimbursement)	(100,000)	-	-	-	-
Annual Stormwater Program (TBD)	-	\$100,000	\$100,000	\$100,000	\$100,000
Heritage Park - 2 Shelters	-	\$150,000	-	-	-
Smith's Fork (Sport Courts, Skate Park, Basketball Court) (Construction)	-	-	\$300,000	\$300,000	-
Smith's Fork (Sport Courts, Skate Park, Basketball Court) (Grant Reimbursement)	-	-	(300,000)	-	-
Smith's Fork Park Complex (Design)	-	-	-	-	\$640,000
Grand Total (Net Cost)	\$581,000	\$250,000	\$100,000	\$400,000	\$740,000

Features of Parks and Stormwater Sales Tax Fund 5 Year CIP:

- ❑ \$100,000 allocated annually for Stormwater Projects.
- ❑ Potential Diamond Crest multi-use Trail in FY2023 – completing the project is contingent on receiving grant of \$100,000.
- ❑ Financial strategy of saving cash to fund construction of Smith's Fork Park Complex in FY2028 and FY2029

Pending CIP Park and Stormwater Sales Tax Fund

Pending Capital Improvement Projects	Cost Estimate
Smith's Fork Park (4 Plex Baseball, Site Development)	\$3,250,000
Hawthorne Court Park (Public Art and Landscaping)	\$110,000
Heritage Park (Major Improvements/Site Development)	\$4,560,000
Helvey Park Loop Trail	\$220,000
Wildflower Neighborhood Park	\$330,000
Smith's Fork Park (Destination Development)	\$5,240,000
Maple Lane - Curbs and Stormwater (Engineering)	\$15,000
Maple Lane - Curbs and Stormwater (Construction)	\$175,000
North Bridge Street - Curbs and Stormwater (Engineering)	\$40,000
North Bridge Street - Curbs and Stormwater (Construction)	\$200,000
Dundee Road - Curbs and Stormwater (Engineering)	\$18,200
Dundee Road - Curbs and Stormwater (Construction)	\$91,000
South Bridge Street - Curbs and Stormwater (Engineering)	\$24,000
South Bridge Street - Curbs and Stormwater (Construction)	\$120,000
South Mill Street - Curbs and Stormwater (Engineering)	\$5,000
South Mill Street - Curbs and Stormwater (Construction)	\$25,000
Grand Total (Net Cost)	\$14,423,200

Major pending projects from the Parks and Recreation Master Plan:

- Smith's Fork Park (4 Plex Baseball, Site Development) - \$3,250,000
- Heritage Park (Major Improvements, Site Development) - \$4,560,000
- Smith's Fork Park (Destination Development) - \$5,240,000

Stormwater Projects

- Pending the stormwater master plan, these projects are subject to change



General Fund Proposed 5 Year CIP



Adopted FY2022 – FY2026 5 Year CIP General Fund

Capital Improvement Project	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026
Campground Electrical Upgrades (Phase II and III)	\$75,000	-	-	-	-
GIS/Asset Management (Cost Split 50/50 With CWWS)	\$50,000	-	-	-	-
Vehicle & Equipment Replacement Fund Transfer	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Grand Total (Net Cost)	\$145,000	\$20,000	\$20,000	\$20,000	\$20,000

Proposed FY2023 – FY2027 5 Year CIP General Fund

Capital Improvement Projects	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
None	-	-	-	-	-
Grand Total (Net Cost)	-	-	-	-	-

Items previously featured in the 5 Year CIP will now be reflected in department operating budgets discussions and slides. In this proposal, the General Fund 5 Year CIP does not feature any capital improvement projects.

Pending CIP (Unfunded Projects With No Funding Source) General Fund

Pending Capital Improvement Projects	Cost Estimate
New Police Building (Engineering)	\$1,000,000
New Police Building (Construction)	\$16,000,000
Street Division & Parks Facility Building (Engineering)	\$500,000
Street Division & Parks Facility Building (Construction)	\$8,000,000
Grand Total (Net Cost)	\$25,500,000

Pursuing these projects will require evaluating the following:

- City Debt Capacity:** How much debt can the City afford to issue?
- Funding Sources:** What revenue streams will fund these projects?

5 Year CIP - Conclusion



- Projects have been positioned in the 5 Year CIP based upon fund cashflow, prioritization, and grant opportunity.
- The initial Utility Rate Study water and wastewater capital plan and rate plan will be available to review at the Board Retreat on May 25. Initial utility rate projections will be available then.
- Staff is looking to receive feedback on the prioritization and positioning of projects in the 5 Year CIP from the Board of Aldermen.