

Capital
Improvement
Program

FY 2022/23 –
2027/28



Lincoln Transportation & Utilities

- Solid Waste Operations
- StarTran
- Transportation
- Wastewater
- Water Supply & Distribution
- **Watershed Management**

Watershed Management is responsible for administering the Municipal Separate Storm Sewer System Permit under the Clean Water Act. It also reviews development plans, drainage projects and oversees capital projects

This administration is funded by General Funds.

Capital Improvement projects are primarily funded by voter approved General Obligation Bonds.

Project Title	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
Flood Mitigation	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000
Stream Stability and Revitalization	\$ -	\$ -	\$ 6,000,000	\$ 1,200,000	\$ 6,000,000	\$ 1,200,000	\$14,400,000
Urban Drainage	\$ -	\$ -	\$ 5,000,000	\$ -	\$ 5,000,000	\$ -	\$10,000,000
Watershed Studies	\$1,000,000	\$ 2,000,000	\$ 200,000	\$ -	\$ 400,000	\$ -	\$ 3,600,000
Departmental Totals:	\$1,000,000	\$ 2,000,000	\$11,600,000	\$ 1,200,000	\$11,400,000	\$1,200,000	\$28,400,000
Fund Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
G.O. Bonds	\$ -	\$ -	\$10,200,000	\$ -	\$10,000,000	\$ -	\$20,200,000
Other Financing	\$1,000,000	\$ 2,000,000	\$ 1,400,000	\$ 1,200,000	\$ 1,400,000	\$1,200,000	\$ 8,200,000
Fund Source Totals	\$1,000,000	\$ 2,000,000	\$11,600,000	\$ 1,200,000	\$11,400,000	\$1,200,000	\$28,400,000

[LTU-Watershed Interactive Project Map](#)

Project: Flood Mitigation							
Description:							
<p>This program provides assistance for those areas of the City in a current floodplain or flood risk area.</p> <p>The program is based on recommendations from the Salt Creek Floodplain Resiliency Study (projected February 2020 completion date), as well as from future studies and programs currently underway (City of Lincoln Floodplain Mitigation Master Plan, Sustainability Working Group).</p> <p>Funding to be used for ongoing support of the City's Community Rating System (CRS). Currently the City of Lincoln has a CRS rating of 5 which provides a 25% reduction in flood insurance for property owners in the federally designated floodplain that have flood insurance.</p> <p>Funding will also be used to develop and implement recommended nonstructural programs such as: voluntary buyouts, conservation easements, setbacks and riparian preservations, cost share for low impact developments, cost share for reducing flood risks to individual homes/businesses on a voluntary basis (e.g. dry and wet flood proofing, structural and mechanical elevation), and public outreach regarding purchase of flood insurance and awareness of flood risks.</p> <p>"Other" financing provided by Lower Platte South NRD.</p>				<p>Budget Outcome: Safe and Healthy City</p> <p>Date Anticipated: Fall 2023</p> <p>Rating: B</p> <p>Status: New</p> <p>Comp Plan Conformity: In Conformance With Plan</p>			
Prior Appropriations:							
6 yr appropriations							
Funding Source	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	6 yr Total
G.O. Bonds	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
Other Financing	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
6 yr estimated cost by activity							
Activity type	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	
Other Services & Charges			x				

Project: Stream Stability and Revitalization

Description:

This project is for the stabilization and revitalization of streams to reduce safety threats to the public and reduce damages to property and infrastructure adjacent to streams.

These projects are for public urban areas (e.g. Parks) that experience known and on-going stream bank and bed issues. It is also for agricultural areas to reduce ongoing environmental degradation to stream and riparian corridors, and hydraulic structures (bridges and culverts) and prior to developments to protect susceptible stream banks to prevent future and more costly damage after development occurs.

Types of projects include scour protection, grade controls, composite revetments, bank and toe armoring, bank stabilization, re-vegetation, plunge pools and similar type of stream stability practices.

Many of these projects are cost shared with the Lower Platte South Natural Resources District (NRD), with the NRD taking the lead on projects involving major streams per a 1965 agreement (e.g. Salt Creek & Tributaries, Beal Slough, Haines Branch, Antelope Creek, Deadmans Run, Stevens Creek, Lynn Creek, Middle Creek). Projects are coordinated where appropriate with the Parks and Recreation Department and Lancaster County.

Examples of projects to include may be Parks projects (e.g. Porter Park, Trendwood Park, Rudge Park, North Lights Greenway, ECCO Park) and those from Watershed Master Plans especially those within the city limits or Comprehensive Plan Tier 1 areas (e.g. Stevens Creek #14, 15, 16 and 19, Little Salt Creek #12, Salt Creek #1 and 6, Oak Creek #1 and 2).

"Other" financing provided by Lower Platte South NRD.

Budget Outcome:	Safe and Healthy City
Date Anticipated:	Fall 2023
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Prior Appropriations:							
6 yr appropriations							
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>
G.O. Bonds	\$ -	\$ -	\$ 4,800,000	\$ -	\$4,800,000	\$ -	\$ 9,600,000
Other Financing	\$ -	\$ -	\$ 1,200,000	\$ 1,200,000	\$1,200,000	\$ 1,200,000	\$ 4,800,000
6 yr estimated cost by activity							
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	
Other Services & Charges			x	x	x	x	

Project: Urban Drainage

Description:

This project provides for rehabilitation, enhancements, replacements and new urban storm drain systems in established urban areas for the improvement of urban drainage systems to aid in protecting life and property, and for improving stormwater quality to local streams and lakes.

The City has over 640 miles of storm drain systems, open channels, thousands of storm drain manholes and related storm drain items. Known records date back to the early 1900's with the oldest recorded install date of 1888. The City has a state and federally mandated stormwater permit that includes requirements for the improvement of stormwater quality in urban runoff.

Projects are coordinated with the Traffic Division of Lincoln Transportation and Utilities to avoid traffic and street disruption multiple times over a short period. Projects are prioritized based on information from previous studies (e.g. Watershed Studies), known problem areas and information from city staff and the public. Stormwater quality projects are coordinated with Lower Platte South Natural Resources District and others (e.g. Parks, private entities) as appropriate.

Examples of projects to include may be those such as urban storm drain projects in the areas of 10th & Park, 11th & Harrison, 63rd & Aylesworth, 24th & E, 15th & Dodge, 68th & Fremont, 41st & J, SW 13th and B, and so on.

Budget Outcome:	Safe and Healthy City
Date Anticipated:	Fall 2023
Rating:	B
Status:	Ongoing
Comp Plan Conformity:	Generally Conforms with Plan

Prior Appropriations:							
6 yr appropriations							
Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>
G.O. Bonds	\$ -	\$ -	\$ 5,000,000	\$ -	\$5,000,000	\$ -	\$10,000,000
6 yr estimated cost by activity							
Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	
Other Services & Charges			x		x		

Project: Watershed Studies

Description:

This program provides information on localized and riverine flooding risks, to assist in identifying capital projects to increase public safety and reduce property damage (e.g. minimize exposure to the public on flood risks). Accurate flood risk mapping provides better known flood risks and assists in preventing future developments/structures from being put in a flood risk area.

Approximately 25 percent of the city’s existing storm drain systems (open, closed, detention) have been evaluated based on current day standards. This funding request is for the continuation of an on-going watershed subbasin evaluation program to identify storm drain deficiencies for future drainage capital projects and prioritize stormwater expenditures for Urban Drainage. Storm drain records will be concurrently updated for those watershed subbasins that are evaluated.

The current FEMA flood maps were based on information from the late 2000’s and generated from 1960’s rainfall data and at that time up to date stream records. This funding request is to update the FEMA maps based on national best practices rainfall records (NOAA Atlas 14) and updated stream records. It is planned to map the standard 100 and 500-year food maps as well as projected future flood map based on climate modeling.

Finally, the City of Lincoln Watershed Master Plan will be updated to reevaluate the Capital Improvement Projects and reassess the stream conditions to determine if additional projects are needed.

"Other" financing provided by FEMA.

Budget Outcome:	Safe and Healthy City
Date Anticipated:	Fall 2023
Rating:	A
Status:	Ongoing
Comp Plan Conformity:	In Conformance with Plan

Prior Appropriations:

6 yr appropriations

Funding Source	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>	<u>6 yr Total</u>
G.O. Bonds	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ 400,000
Other Financing	\$1,000,000	\$ 2,000,000	\$ -	\$ -	\$ 200,000	\$ -	\$ 3,200,000

6 yr estimated cost by activity

Activity type	<u>2022/2023</u>	<u>2023/2024</u>	<u>2024/2025</u>	<u>2025/2026</u>	<u>2026/2027</u>	<u>2027/2028</u>
Other Services & Charges	x	x	x		x	