



City of Phoenix

To: General Obligation Bond Executive Committee **Date:** October 4, 2022
From: David Martin, Chair, Streets & Storm Drainage Subcommittee
Subject: STREETS & STORM DRAINAGE SUBCOMMITTEE RECOMMENDATIONS

The Executive Committee charged subcommittees with recommending a rank-ordered list of priorities, including funding levels, for the GO Bond program. The Executive Committee emphasized there is greater need than bond capacity and further instructed subcommittees to only recommend projects that cannot reasonably be deferred to a future bond program.

The Streets & Storm Drainage Subcommittee held three hybrid meetings on August 19, September 9, and September 23, 2022. The Subcommittee was provided detailed information about the prioritized capital needs identified by City staff, which totaled \$160.6 million.

The general public and stakeholders submitted oral and written comments on their priorities, which were considered by the Subcommittee in formulating its recommendations.

After considering the Executive Committee's instructions, information provided by staff, and comments from the public, the Subcommittee identified \$124.1 million in projects for Executive Committee consideration. The total projects were reduced from \$160.6 million in prioritized projects for this Subcommittee. The 22.7% reduction corresponds with the Executive Bond Committee's percentage reduction needed to go from \$646.7 million in total proposed programs and projects to \$500 million. A rank-ordered list of projects and recommended funding amounts is attached.

I will present at a future Executive Committee meeting the recommendations of the Subcommittee. Vice Chair Ray Acuna will attend Executive Committee meetings in my absence as needed.

STREETS & STORM DRAINAGE SUBCOMMITTEE
2023 GO Bond Program
Subcommittee Recommendations to Executive Committee

Rank	Project Name	Total Cost	Other Funds	GO Bond Funds	Ongoing Cost
1	Vision Zero Implementation Location: Citywide District: Citywide	26,711,479	0	26,711,479	258,393
2	Equity Based Transportation Mobility - T2050 Mobility Implementation Location: Various District: Citywide	20,170,000	0	20,170,000	127,343
3	Laveen Flood Mitigation Projects Location: Various District: 7	23,384,187	15,153,786	8,230,401	0
4	Pavement Maintenance Supplement Location: Citywide District: Citywide	35,350,000	0	35,350,000	0
5	Hohokam Drainage Program Location: Baseline Road to Dobbins Road & 14th Street to 21st Street District: 8	54,708,715	35,463,121	19,245,594	0
6	Storm Drain Replacement Program Location: Various District: Citywide	14,392,500	0	14,392,500	0
Streets & Storm Drainage Recommended Total		174,716,881	50,616,907	124,099,974	385,736

STREETS & STORM DRAINAGE SUBCOMMITTEE
2023 GO Bond Program
Subcommittee Recommendations to Executive Committee
Project Detail

Vision Zero Implementation

Rank: 1

Citywide (District: Citywide)

TOTAL PROJECT COST	OTHER FUNDING	GO BOND FUNDING
\$26,711,479	\$0	\$26,711,479

SCOPE

Supplement the Council-approved Road Safety Action Plan and leverage various Federal funding opportunities toward becoming a Vision Zero City. Identify, design, and implement roadway safety countermeasures that address locations and behaviors related to fatal and serious injury accidents.

BENEFIT

Improve roadway safety with a specific emphasis on projects that reduce serious vehicle collisions. Recognition as a Vision Zero City will help raise awareness of roadway safety projects and promote the goal of eliminating serious injuries and fatalities on Phoenix roadways.

COST ELEMENTS	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
STUDY	300,000	300,000	300,000	300,000	0	1,200,000
REAL PROPERTY	100,000	100,000	100,000	100,000	0	400,000
DESIGN / ENGINEERING	680,000	680,000	680,000	680,000	680,000	3,400,000
CONSTRUCTION / DEMO	4,292,570	4,292,570	4,292,570	4,292,570	4,292,570	21,462,850
EQUIPMENT	0	0	0	0	0	0
MOVE-IN EXPENSES	0	0	0	0	0	0
<i>PERCENT FOR ART</i>						248,629
TOTAL PROJECT COST	5,372,570	5,372,570	5,372,570	5,372,570	4,972,570	26,711,479

OTHER FUNDING	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
N/A	0	0	0	0	0	0

ON-GOING EXPENSES	ANNUAL COST
STAFF	245,893
CONTRACTUALS	4,700
COMMODITIES	7,800
INTERDEPARTMENTAL	0
ON-GOING CAPITAL	0
TOTAL OPERATING	258,393

STREETS & STORM DRAINAGE SUBCOMMITTEE
2023 GO Bond Program
Subcommittee Recommendations to Executive Committee
Project Detail

Equity Based Transportation Mobility - T2050 Mobility Implementation

Rank: 2

Various (District: Citywide)

TOTAL PROJECT COST	OTHER FUNDING	GO BOND FUNDING
\$20,170,000	\$0	\$20,170,000

SCOPE

Design and construct recommended mobility improvements including curb, gutter, sidewalk, ADA ramps, streetlights, traffic calming, safe HAWK crossings, traffic signals, and tree/shade landscaping. Low Impact Development and Green Infrastructure may be considered in the design of these projects.

BENEFIT

Accelerate implementation of mobility projects that support historically disadvantaged communities where access to safe transportation options is limited. Equity-based mobility projects take into account the prevalence of zero-car households, areas of persistent poverty, school areas with a high rate of walking enrollment, high daily bus boardings, high bike-on-bus boardings, ADA non-accessible and non-compliant bus stops, streets and intersections that have a high number of crashes between vehicles and people walking and riding bicycles, gaps in the bikeway network, areas that lack pedestrian crossing signals. Completed mobility projects will address hazards, reduce roadway user stress, and improve multi-modal connectivity. Improved access to safe transportation options will help reduce socio-economic inequities that are more pronounced in underserved and disadvantaged neighborhoods.

COST ELEMENTS	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
STUDY	0	0	0	0	0	0
REAL PROPERTY	0	0	0	0	0	0
DESIGN / ENGINEERING	1,000,000	1,000,000	1,000,000	1,000,000	0	4,000,000
CONSTRUCTION / DEMO	0	4,000,000	4,000,000	4,000,000	4,000,000	16,000,000
EQUIPMENT	0	0	0	0	0	0
MOVE-IN EXPENSES	0	0	0	0	0	0
<i>PERCENT FOR ART</i>						170,000
TOTAL PROJECT COST	1,000,000	5,000,000	5,000,000	5,000,000	4,000,000	20,170,000

OTHER FUNDING	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
N/A	0	0	0	0	0	0

ON-GOING EXPENSES	ANNUAL COST
STAFF	117,053
CONTRACTUALS	2,790
COMMODITIES	3,900
INTERDEPARTMENTAL	3,600
ON-GOING CAPITAL	0
TOTAL OPERATING	127,343

STREETS & STORM DRAINAGE SUBCOMMITTEE
2023 GO Bond Program
Subcommittee Recommendations to Executive Committee
Project Detail

Laveen Flood Mitigation Projects

Rank: 3

Various (District: 7)

TOTAL PROJECT COST	OTHER FUNDING	GO BOND FUNDING
\$23,384,187	\$15,153,786	\$8,230,401

SCOPE

Implement drainage mitigation options to reduce flood impacts in four areas of Laveen. These projects were recommended in the 2022 Laveen Area Drainage Feasibility Study.

BENEFIT

Provide flood protection to existing homes and other structures. Leverage cost share opportunities with the Flood Control District of Maricopa County for final design and construction.

COST ELEMENTS	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
STUDY	229,120	0	0	0	0	229,120
REAL PROPERTY	0	0	2,892,647	0	0	2,892,647
DESIGN / ENGINEERING	0	2,940,148	0	0	0	2,940,148
CONSTRUCTION / DEMO	0	0	0	10,059,426	7,192,175	17,251,601
EQUIPMENT	0	0	0	0	0	0
MOVE-IN EXPENSES	0	0	0	0	0	0
<i>PERCENT FOR ART</i>						70,671
TOTAL PROJECT COST	229,120	2,940,148	2,892,647	10,059,426	7,192,175	23,384,187
OTHER FUNDING	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
FCDMC	148,928	1,911,096	1,880,221	6,538,627	4,674,914	15,153,786

ON-GOING EXPENSES	ANNUAL COST
STAFF	0
CONTRACTUALS	0
COMMODITIES	0
INTERDEPARTMENTAL	0
ON-GOING CAPITAL	0
TOTAL OPERATING	0

STREETS & STORM DRAINAGE SUBCOMMITTEE
2023 GO Bond Program
Subcommittee Recommendations to Executive Committee
Project Detail

Pavement Maintenance Supplement

Rank: 4

Citywide (District: Citywide)

TOTAL PROJECT COST	OTHER FUNDING	GO BOND FUNDING
\$35,350,000	\$0	\$35,350,000

SCOPE

Supplement the Accelerated Pavement Maintenance Program with additional funding for neighborhood street mill and overlay projects at an estimated \$1 million per residential quarter section.

BENEFIT

Local street mill and overlay helps preserve neighborhood character and quality. Well-maintained roads are safer, quieter and reduce wear and tear on vehicles. This proposal would reduce deferred maintenance needs and degradation of neighborhood streets.

COST ELEMENTS	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
STUDY	0	0	0	0	0	0
REAL PROPERTY	0	0	0	0	0	0
DESIGN / ENGINEERING	0	0	0	0	0	0
CONSTRUCTION / DEMO	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	35,000,000
EQUIPMENT	0	0	0	0	0	0
MOVE-IN EXPENSES	0	0	0	0	0	0
<i>PERCENT FOR ART</i>						350,000
TOTAL PROJECT COST	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	35,350,000
OTHER FUNDING	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
N/A	0	0	0	0	0	0

ON-GOING EXPENSES	ANNUAL COST
STAFF	0
CONTRACTUALS	0
COMMODITIES	0
INTERDEPARTMENTAL	0
ON-GOING CAPITAL	0
TOTAL OPERATING	0

STREETS & STORM DRAINAGE SUBCOMMITTEE
2023 GO Bond Program
Subcommittee Recommendations to Executive Committee
Project Detail

Hohokam Drainage Program

Rank: 5

Baseline Road to Dobbins Road & 14th Street to 21st Street (District: 8)

TOTAL PROJECT COST	OTHER FUNDING	GO BOND FUNDING
\$54,708,715	\$35,463,121	\$19,245,594

SCOPE

Implement the Hohokam Area Drainage Master Plan that was prepared in collaboration with the Flood Control District of Maricopa County. Design and construct a series of storm sewer drainage basins and pipes that extends the storm drainage system in the area south of Baseline Road to Dobbins Road, and 14th Street to 21st Street.

BENEFIT

Provide flood protection to existing homes and other structures. Reduce roadway safety hazards that result during storm events. Leverage cost share opportunities with the Flood Control District of Maricopa County for final design and construction.

COST ELEMENTS	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
STUDY	1,116,960	0	0	0	0	1,116,960
REAL PROPERTY	0	5,228,613	5,336,702	0	0	10,565,315
DESIGN / ENGINEERING	0	3,485,742	2,668,946	0	0	6,154,688
CONSTRUCTION / DEMO	0	0	0	18,167,240	18,554,445	36,721,685
EQUIPMENT	0	0	0	0	0	0
MOVE-IN EXPENSES	0	0	0	0	0	0
<i>PERCENT FOR ART</i>						150,067
TOTAL PROJECT COST	1,116,960	8,714,355	8,005,648	18,167,240	18,554,445	54,708,715

OTHER FUNDING	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
FCDMC	726,024	5,664,331	5,203,671	11,808,706	12,060,389	35,463,121

ON-GOING EXPENSES	ANNUAL COST
STAFF	0
CONTRACTUALS	0
COMMODITIES	0
INTERDEPARTMENTAL	0
ON-GOING CAPITAL	0
TOTAL OPERATING	0

STREETS & STORM DRAINAGE SUBCOMMITTEE
2023 GO Bond Program
Subcommittee Recommendations to Executive Committee
Project Detail

Storm Drain Replacement Program

Rank: 6

Various (District: Citywide)

TOTAL PROJECT COST	OTHER FUNDING	GO BOND FUNDING
\$14,392,500	\$0	\$14,392,500

SCOPE

Replace deteriorating metal storm drain pipe with new reinforced concrete pipe. Approximately one to two miles of pipe would be replaced each year.

BENEFIT

Much of the street stormwater system was built more than 30 years ago with corrugated metal pipe, which has deteriorated and is past its useful life. Failures of the piping have led to reactive responses with numerous sink holes occurring in City streets that result in disruption to traffic, as well as safety issues. Not funding this project will result in additional damage to City streets, flooding in neighborhoods, and potential claims against the City due to property damage and potential loss of human life.

COST ELEMENTS	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
STUDY	0	0	0	0	0	0
REAL PROPERTY	0	0	0	0	0	0
DESIGN / ENGINEERING	150,000	150,000	150,000	150,000	150,000	750,000
CONSTRUCTION / DEMO	2,600,000	2,700,000	2,700,000	2,700,000	2,800,000	13,500,000
EQUIPMENT	0	0	0	0	0	0
MOVE-IN EXPENSES	0	0	0	0	0	0
<i>PERCENT FOR ART</i>						142,500
TOTAL PROJECT COST	2,750,000	2,850,000	2,850,000	2,850,000	2,950,000	14,392,500

OTHER FUNDING	2024-25	2025-26	2026-27	2027-28	2028-29	5-YR TOTAL
N/A	0	0	0	0	0	0

ON-GOING EXPENSES	ANNUAL COST
STAFF	0
CONTRACTUALS	0
COMMODITIES	0
INTERDEPARTMENTAL	0
ON-GOING CAPITAL	0
TOTAL OPERATING	0