



# DEPARTMENT OF PUBLIC WORKS

Richard E. Martinez, Director

FY 2021 – 2025

## Five-Year Rolling Infrastructure Management Program

Program Overview & Policy Proposal

October 27, 2020



# Infrastructure Management Plan (IMP) Overview

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- The IMP provides the City of Corpus Christi a structured program schedule, potential for additional multiple year contract awards and improved utility coordination.
- Service needs are identified city wide and are scheduled to include: street maintenance, residential street rebuilds, sidewalks, pavement markings.
- The goal of the IMP is to provide the best possible planning and maintenance schedules for the City of Corpus Christi's infrastructure.



# Infrastructure Management Plan (IMP) Overview

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- The Infrastructure Management Program (IMP) is a five-year rolling program which focuses on the maintenance of Corpus Christi streets.
  - The first two years of the program will be approved by Council in October.
  - This plan was developed from assessment and review of the City's street conditions and input from Public Works public sessions in February 2020.
  - The subsequent 3 years is a rolling list, utilized for planning purposes. It is subject to change annually based on prioritization.
  - The December approval will include the approval the total 5 year plan and the IMP policy.
  - During the budget process for each City fiscal year, the IMP will be presented to City Council for approval.
  - Amendments may occur throughout the year due to coordination with utilities or unforeseen conditions, such as inclement weather and budgetary changes.
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# Programs Overview

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- Street Preventative Maintenance Program (SPMP)
    - Regularly scheduled maintenance program for streets in fair condition. All streets that are considered in fair condition are eligible for maintenance work through either an ultra thin surface or overlay under this program. The annual Work Plan includes residential, local, collector and arterial streets.
  - Residential Street Rebuild Program (RSRP)
    - Address the City's residential streets in poor condition. Two methods of pavement rebuild work include: rehabilitation and reconstruction. Candidate residential street selection is based on criteria including pavement condition, underground utility work needed, proximity to schools, and overall cost to repair the street.
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# Programs Overview

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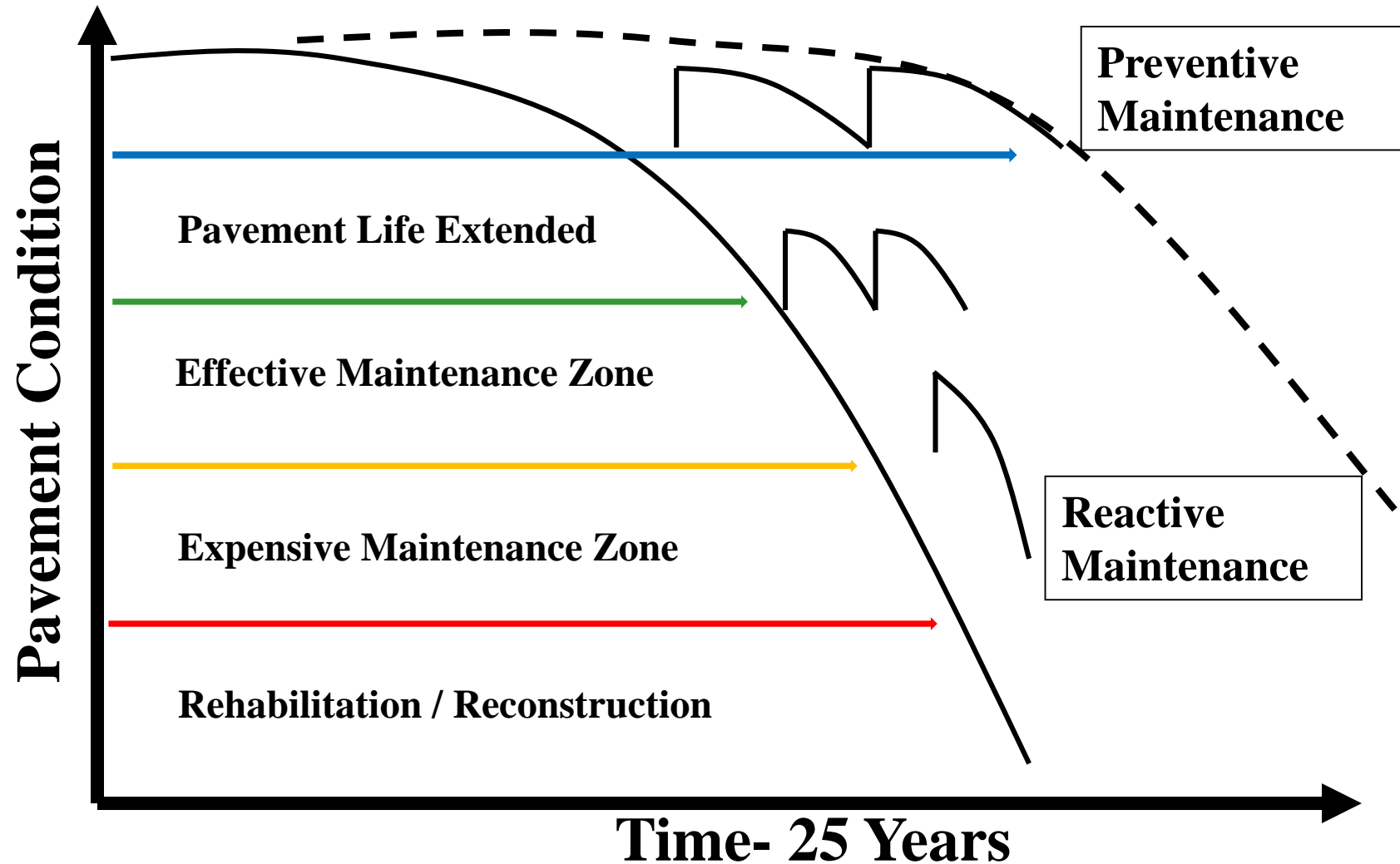


- In House Pavement Rehabilitation
  - Rehabilitation of residential streets. These streets have minimal concrete work associated. The work consists of a mill and overlay with spot base repairs. This program targets a “neighborhood approach”.
- Concrete Restoration
  - This program begins the City’s concrete pavement maintenance program. The work includes joint sealants, panel replacement, and crack sealing.





# Optimized Maintenance

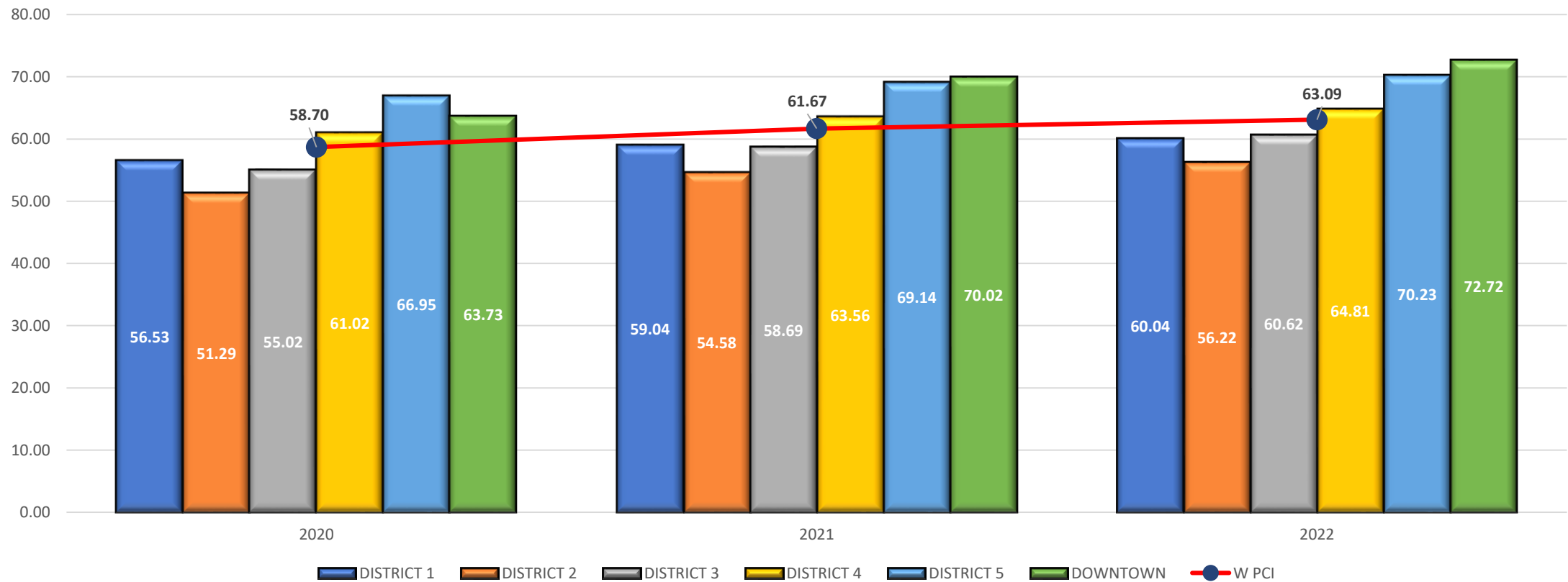




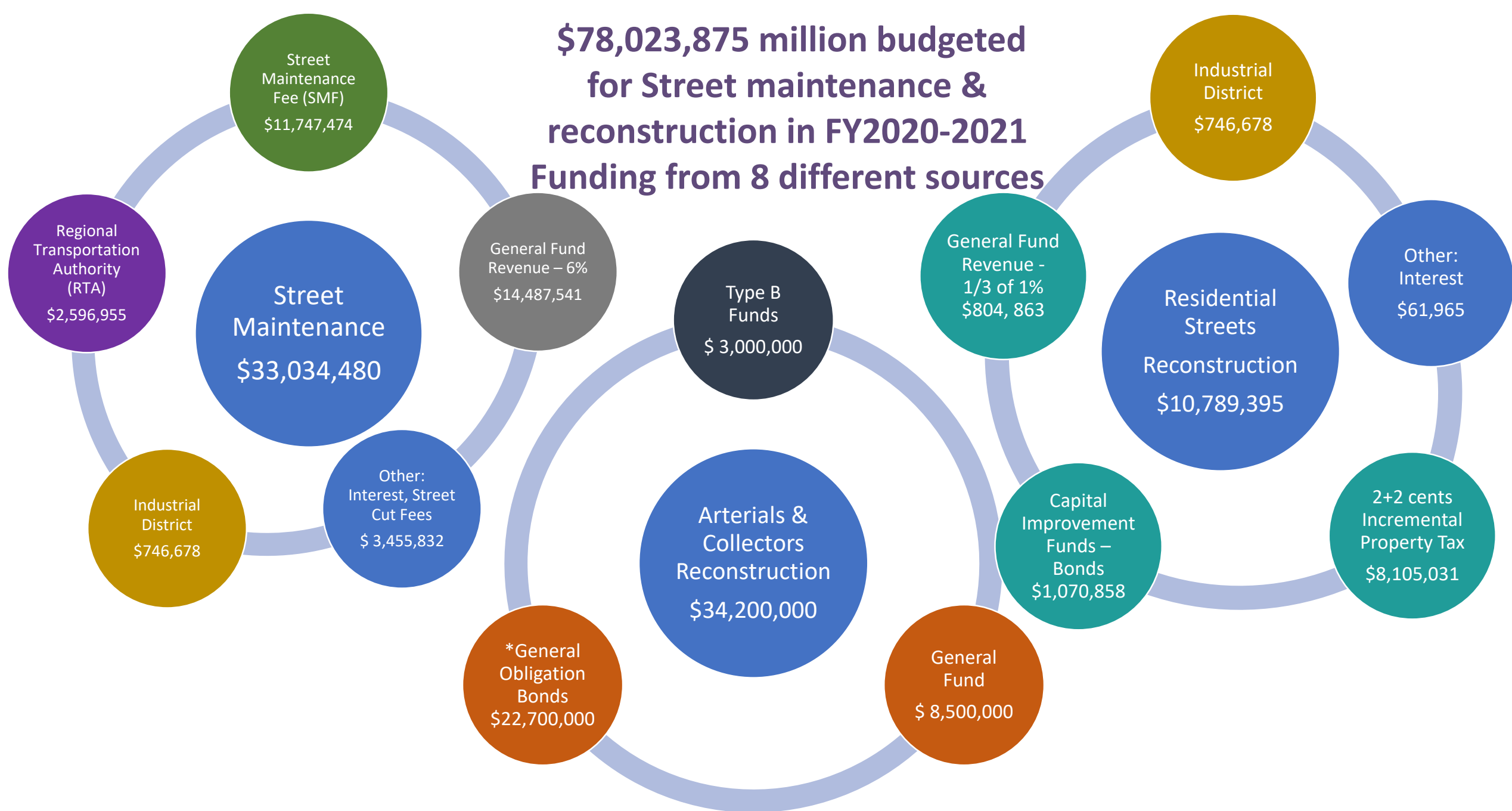
# Average Pavement Conditions



W PCI BY DISTRICT



**\$78,023,875 million budgeted  
for Street maintenance &  
reconstruction in FY2020-2021**  
**Funding from 8 different sources**



\*Bond 2020 proposes \$61 Million for Arterial & Collector reconstruction.

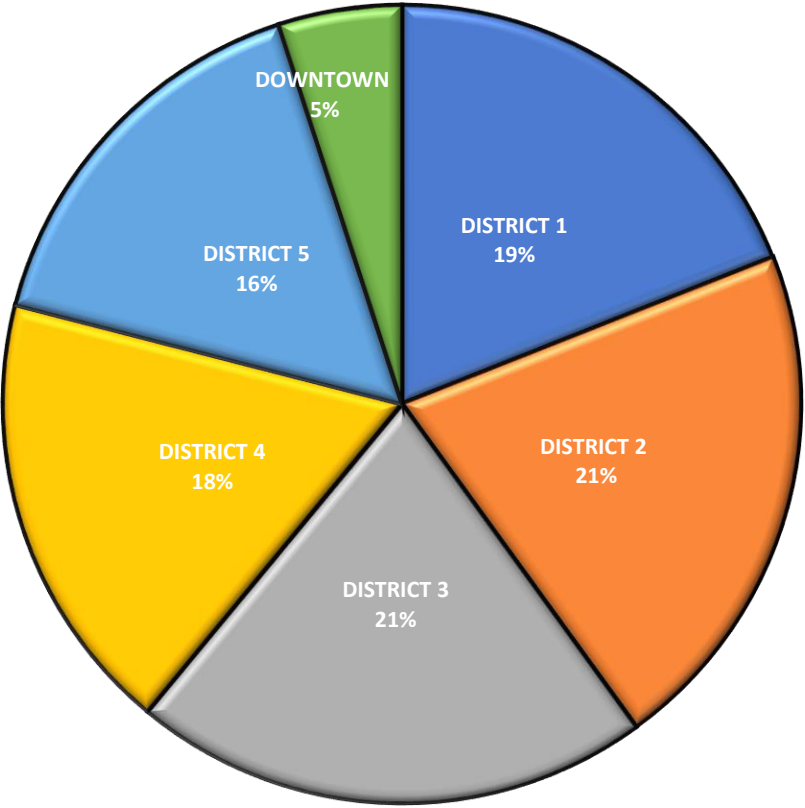




# 2021 Planning

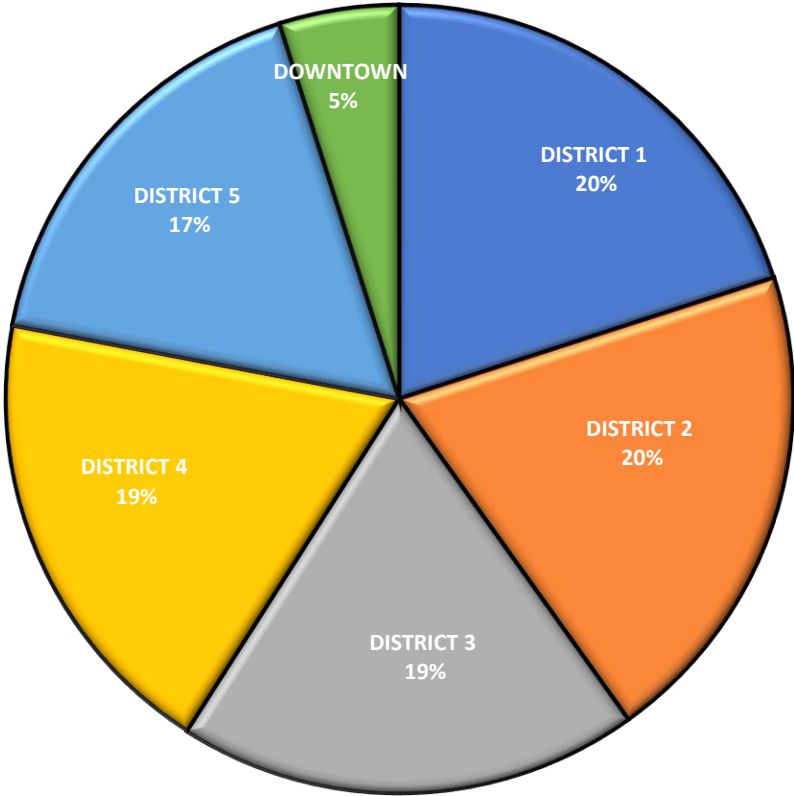


PERCENTAGE OF NEED BY DISTRICT



■ DISTRICT 1 ■ DISTRICT 2 ■ DISTRICT 3 ■ DISTRICT 4 ■ DISTRICT 5 ■ DOWNTOWN

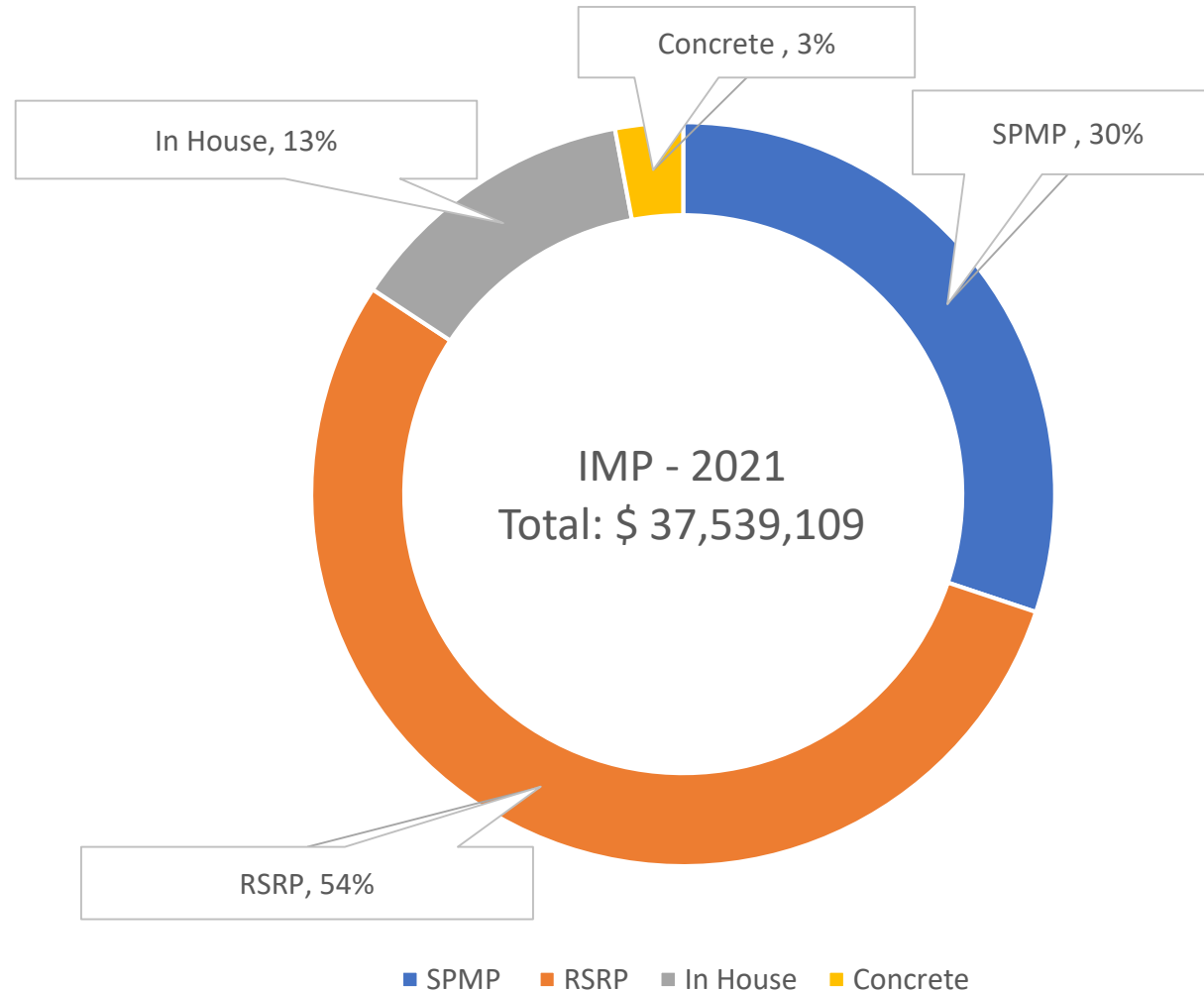
IMP 2021 IMPROVEMENT BY DISTRICT



■ DISTRICT 1 ■ DISTRICT 2 ■ DISTRICT 3 ■ DISTRICT 4 ■ DISTRICT 5 ■ DOWNTOWN



# 2021 Funding Allocations

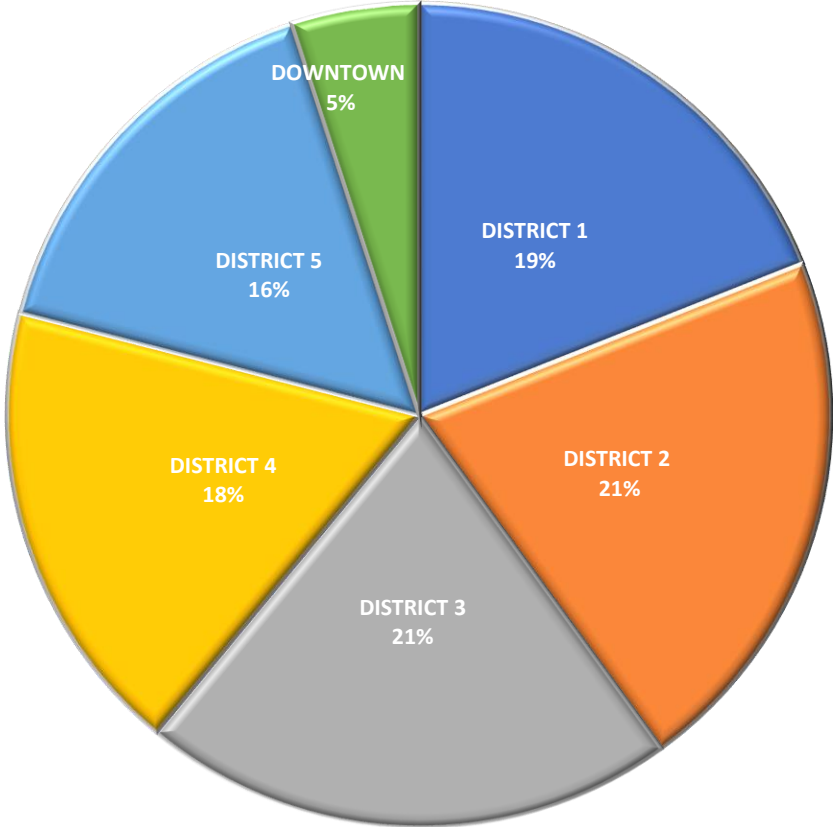




# 2022 Planning

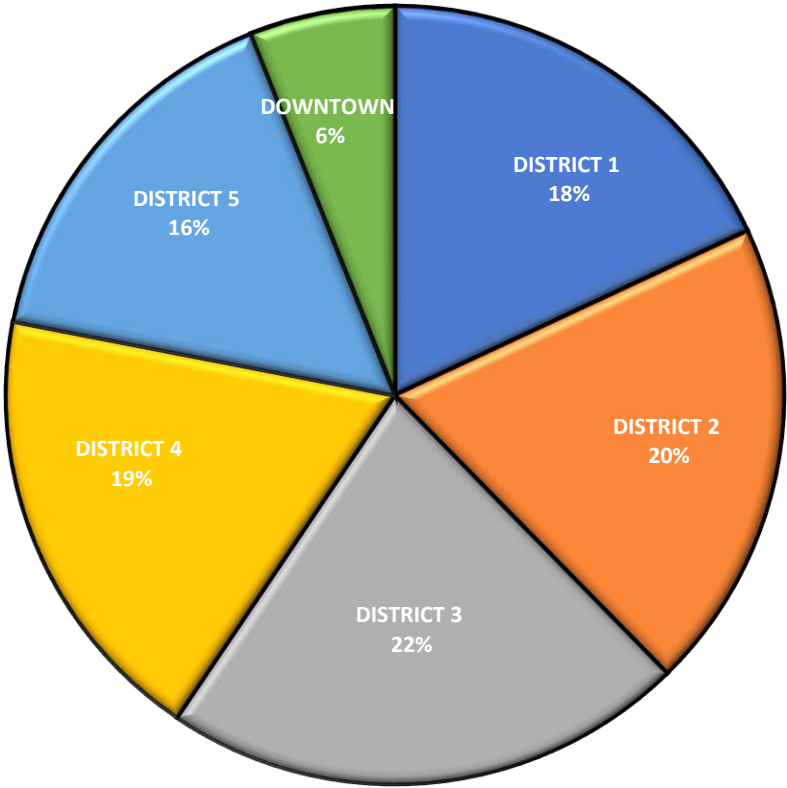


PERCENTAGE OF NEED BY DISTRICT



DISTRICT 1 DISTRICT 2 DISTRICT 3 DISTRICT 4 DISTRICT 5 DOWNTOWN

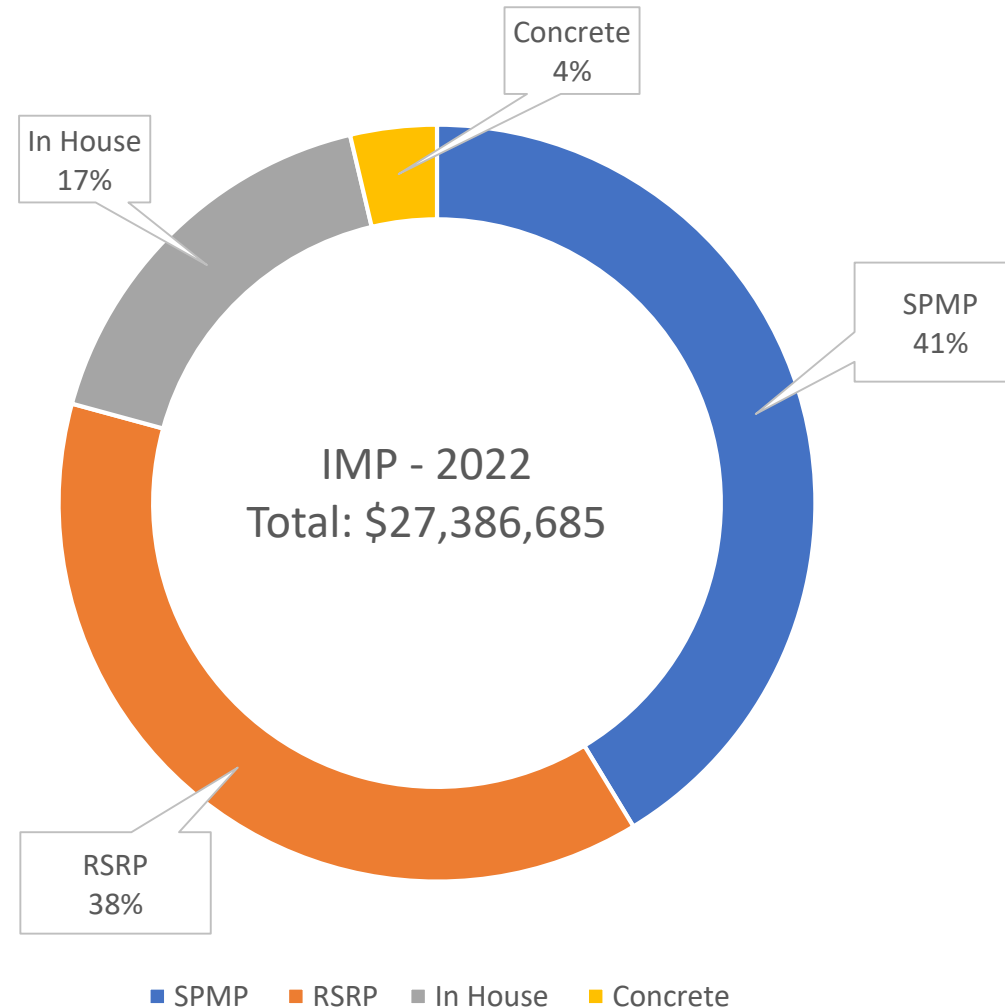
IMP 2022 IMPROVEMENT BY DISTRICT



DISTRICT 1 DISTRICT 2 DISTRICT 3 DISTRICT 4 DISTRICT 5 DOWNTOWN



# 2022 Funding Allocations





# Conclusion

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- Today's item addresses the first 2 years of the 5 year IMP.
  - Approval for the next 3 planning years will be brought to Council in December to complete the 5 year plan.
  - The IMP policy will be included in the December item. This policy will outline for council the process to amend the IMP.
  - Public Works is actively pursuing the reevaluation of the street network. This work will begin in January 2021 and last approximately 1 year. The results will be reflected in the FY 2022 IMP development.
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