

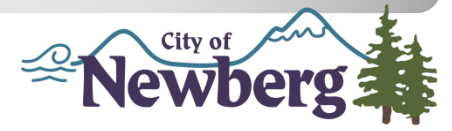
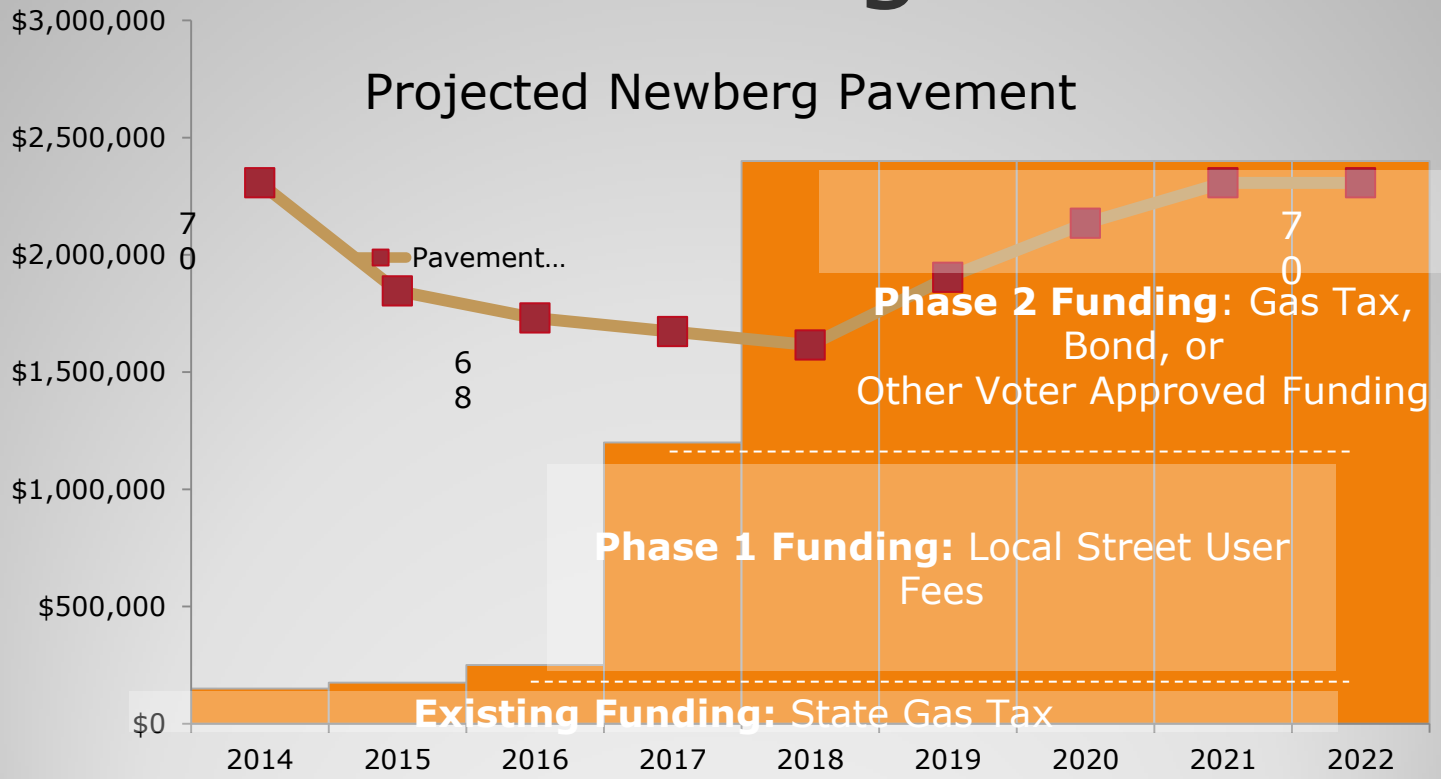
# How is the Maintenance Improvement Project (MIP) List Created?



# How is the MIP List Created? Paver Program

- Assume → Maintain current PCI level
- Priority driven:
  - Arterial → Collector → Residential
- PCI types
  - Load Distress → Crack seal, Overlay
  - Surface Distress → Surface treatment
  - Stopgap → Try to slow deterioration
- \$\$ value assigned to repair types and level of distress
- Iterate through network

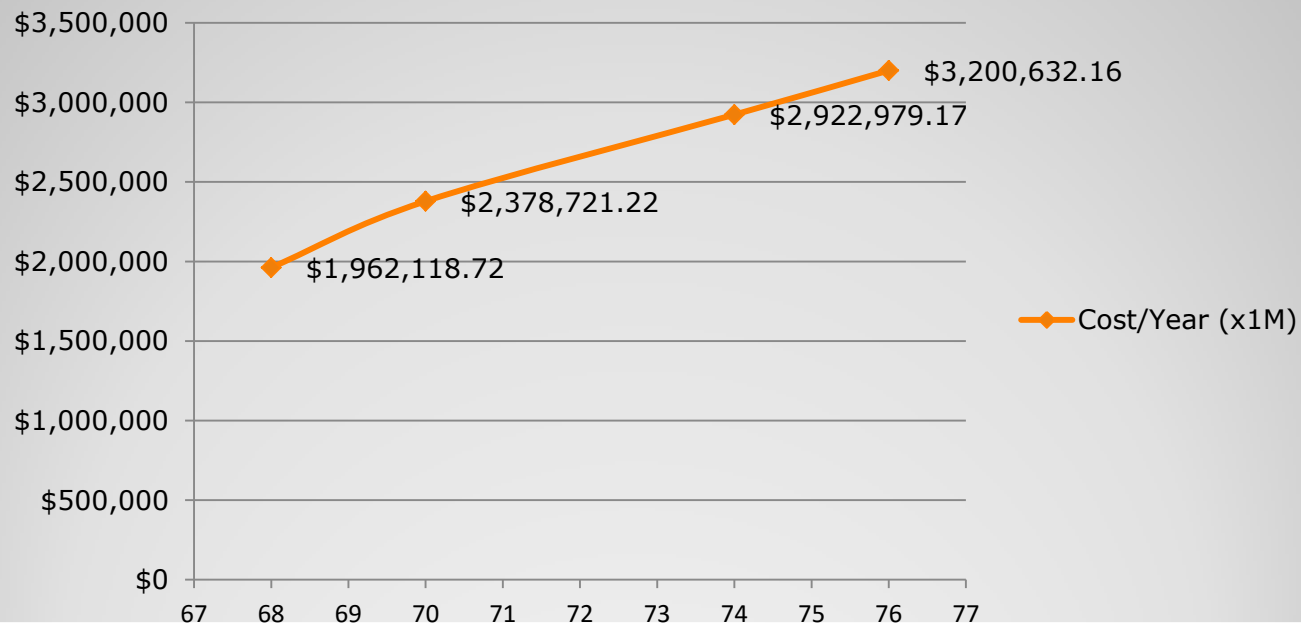
# How is the MIP List Created? Paver Program



# How is the MIP List Created? Paver Program

Cost differences between PCI Targets

## Cost/Year



# How is the MIP List Created? Conflict Review

## Staff Review For Conflicts

- Development
- Capital Improvement Projects
- Utility Company Projects

# How is the MIP List Created

## Verify Treatment

- Crack Seal
- Slurry Seal
- Thin Lift\*
- Overlay
- Rehabilitation
- Stop Gap
  - Dig Outs
  - Lane Rehab

\*Thin Lift is an option for some lower PCI Slurry roads, or higher PCI Overlay Roads.

# How is the MIP List Created

## Work is completed



# How is the MIP List Created Re-Evaluate Road Network

- Why?
  - Program is predictive based on road classification and inspection input
  - Some roads hold up better than expected/some deteriorate faster
- How Often should it be inspected?
  - Arterials/Collectors – Alternating every 2 years (1/2 of the roads done each year)
  - Residential – Every 4 years, rotating

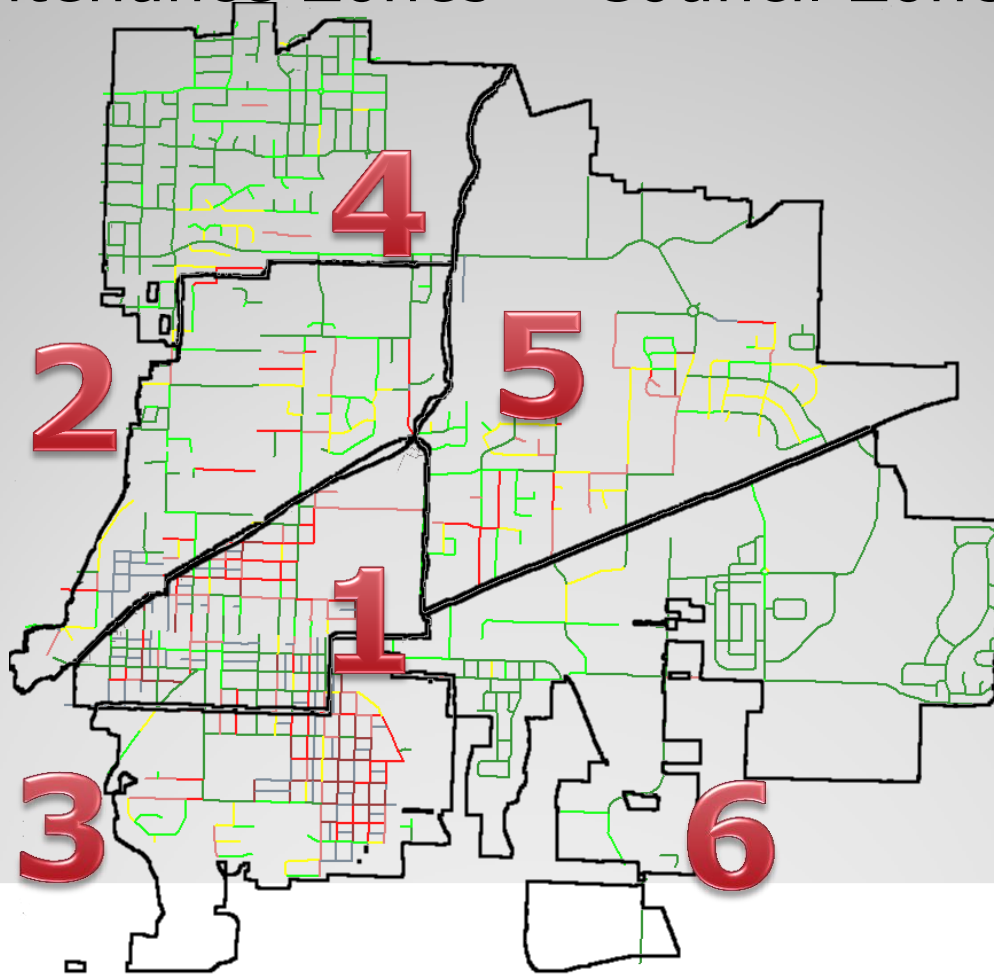


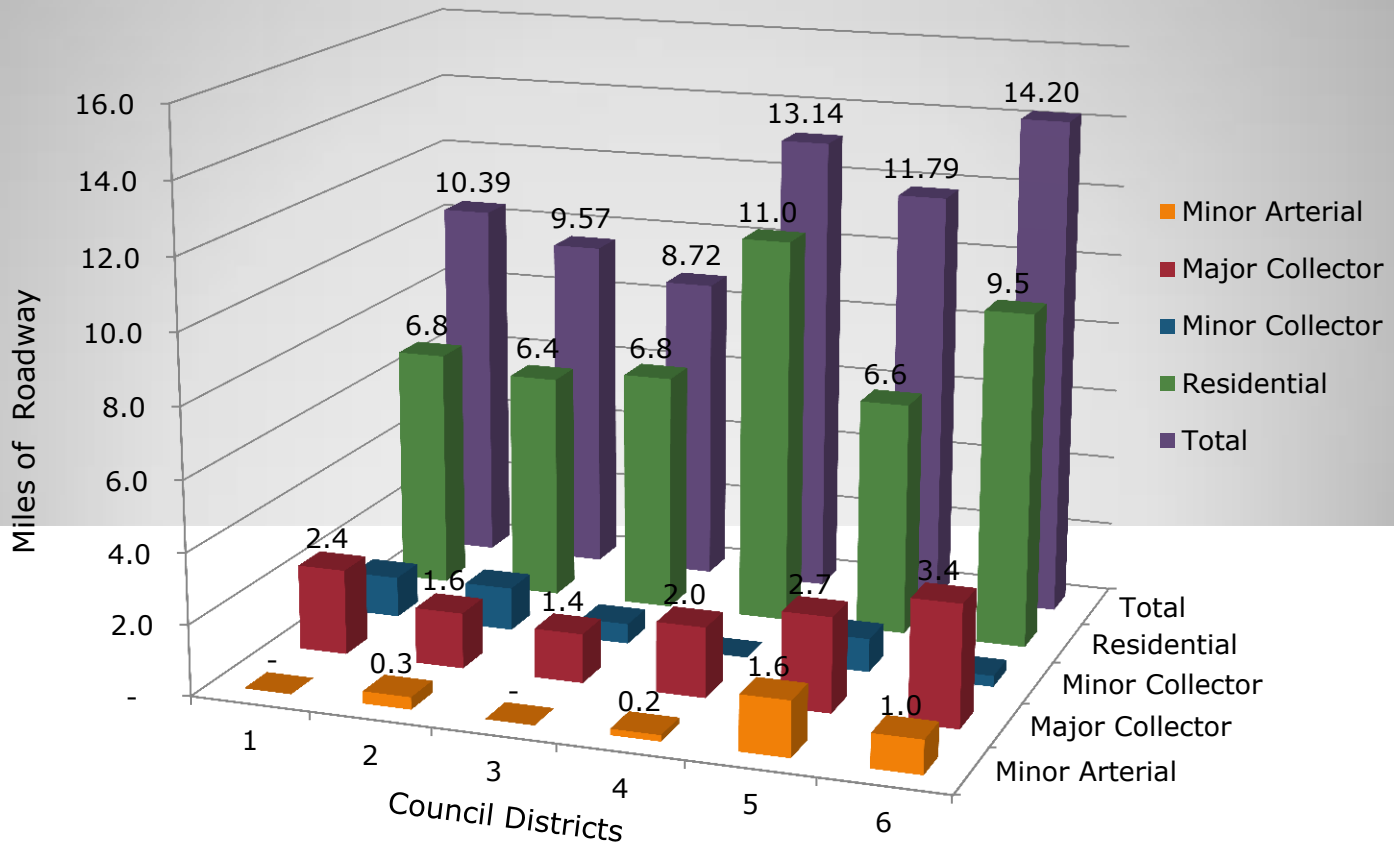
# 2017-2026 MIP List

- 960 Individual Segments
  - Name
  - Range (between intersections)
  - Classification
  - Surface Type
  - Council District
  - Length & Area
  - PCI
  - Multi-year recommendations

# 2017-2026 MIP List

- Maintenance Zones = Council Zones





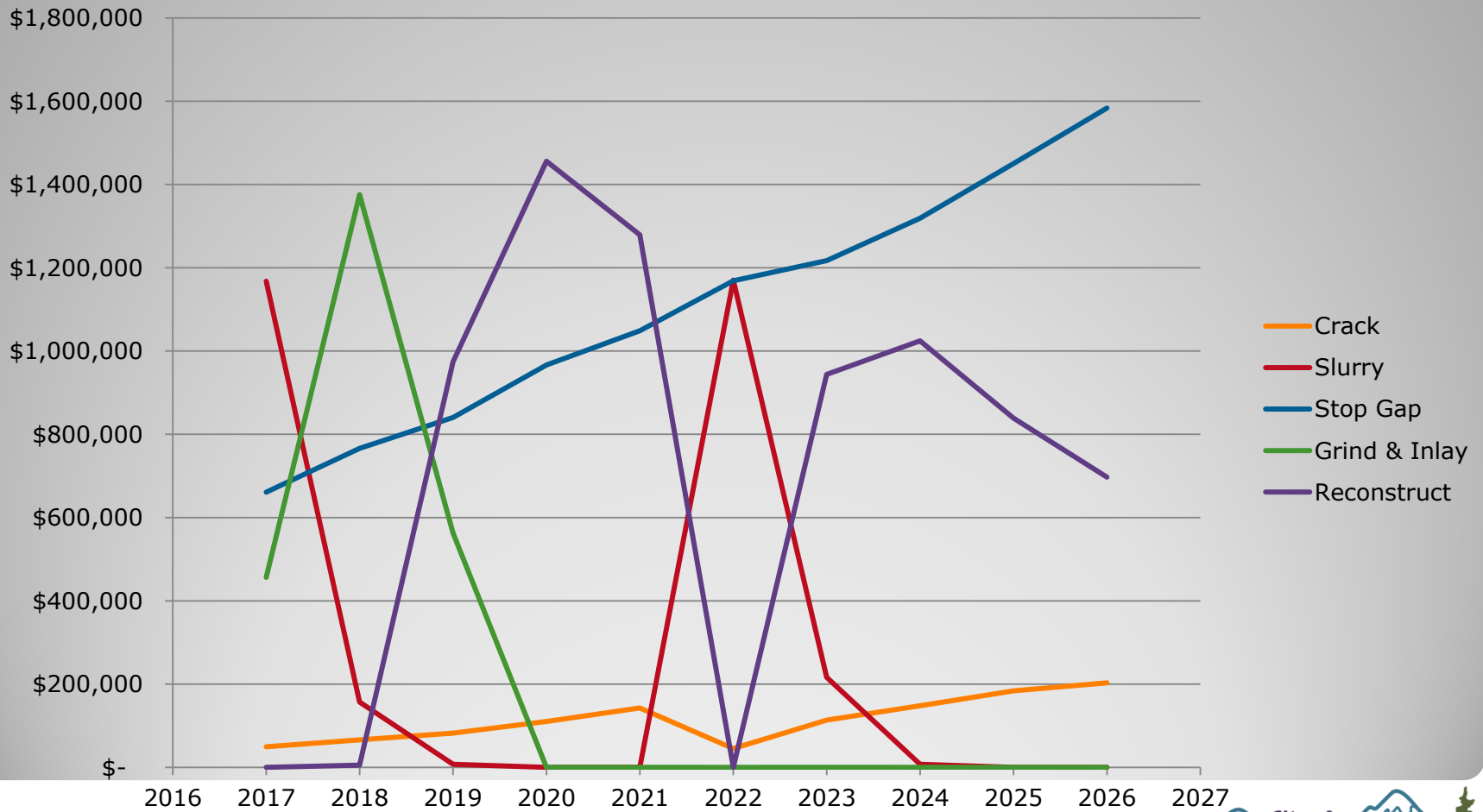
# Total Miles



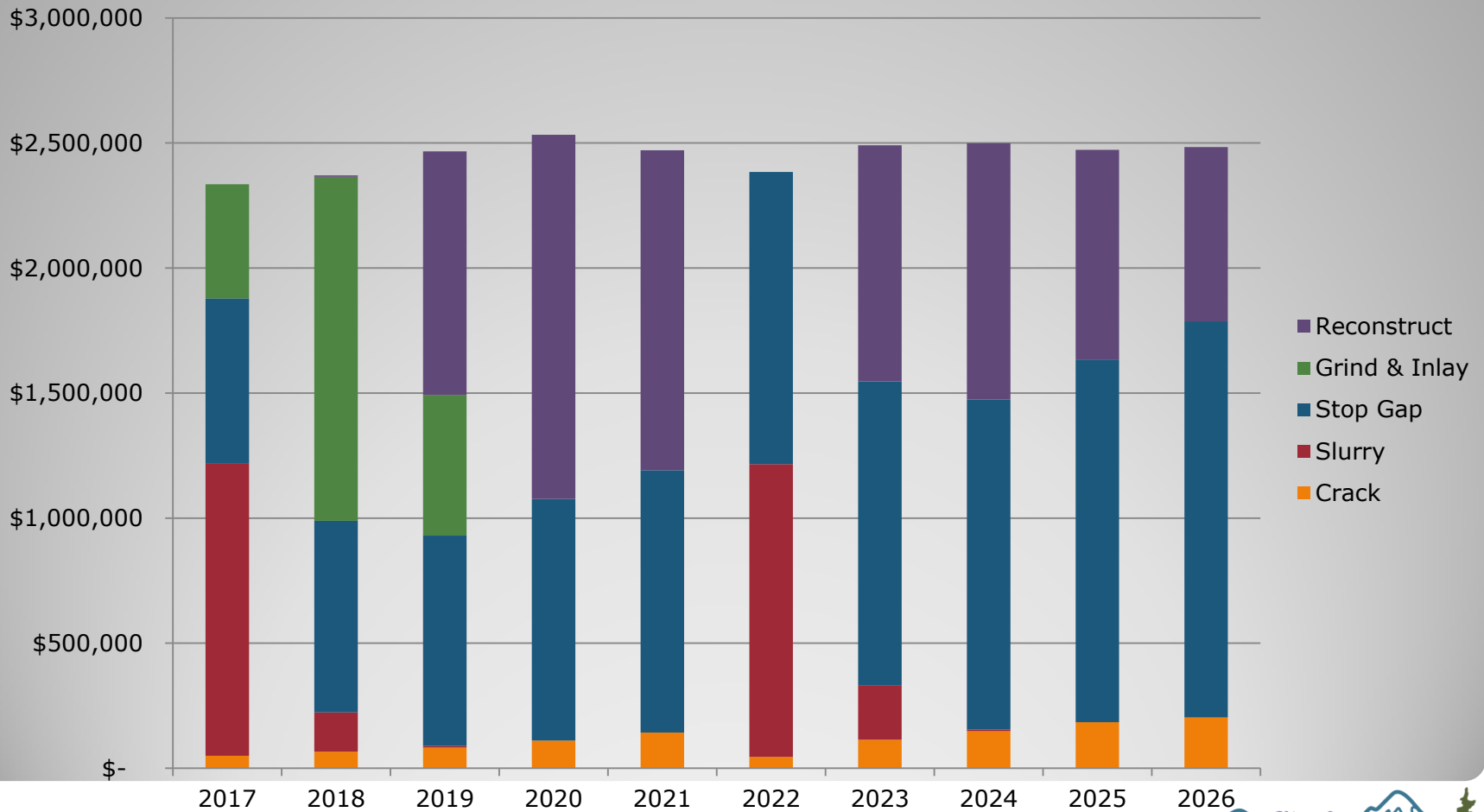
# Types of Treatment

- **Crack Seal**
- **Slurry Seal**
- **Stop-Gap (Major Patches)**
- **Overlay\***
- **Grind & InLay**
- **Reconstruction**

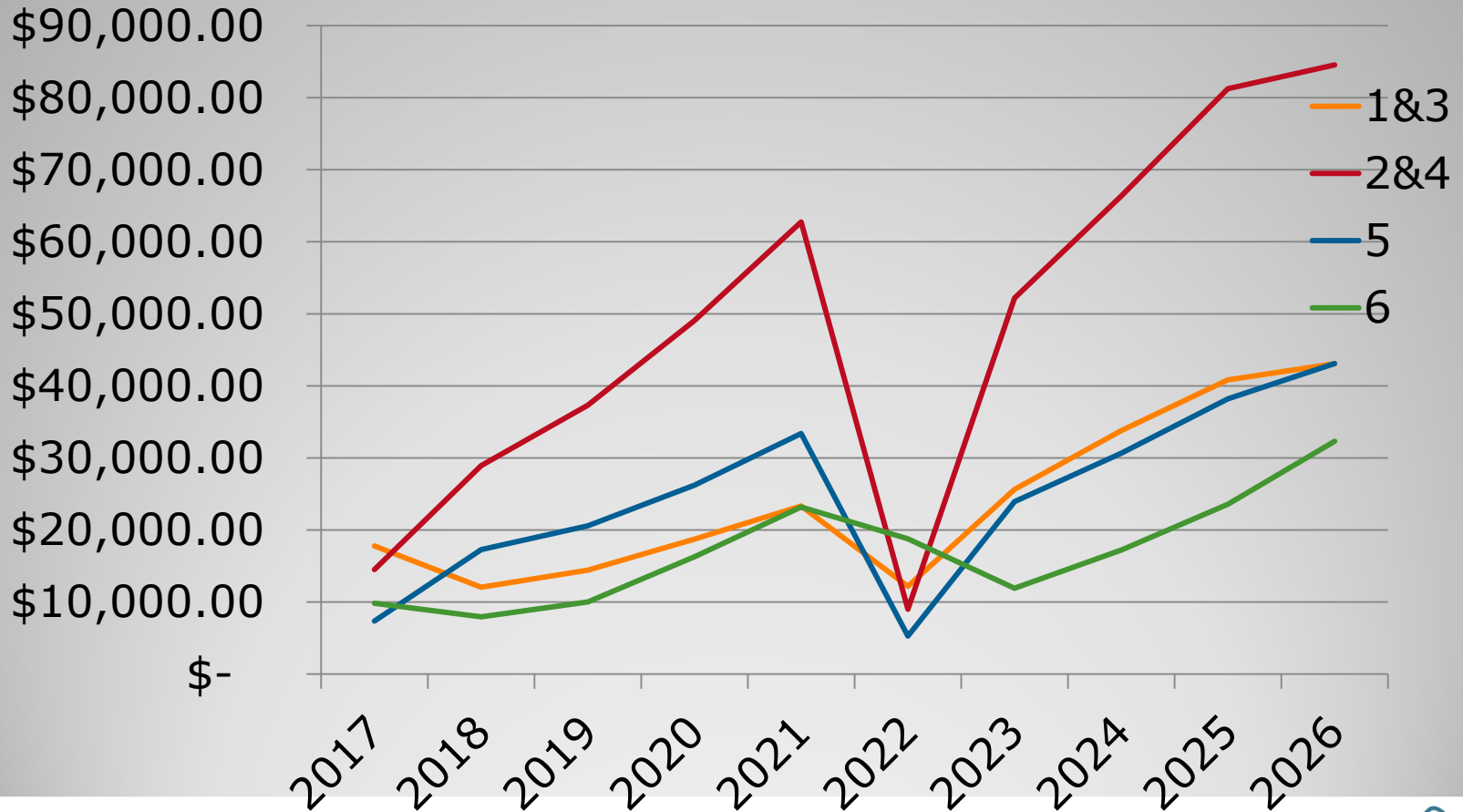
# 2017-2026 MIP List By Treatment Type



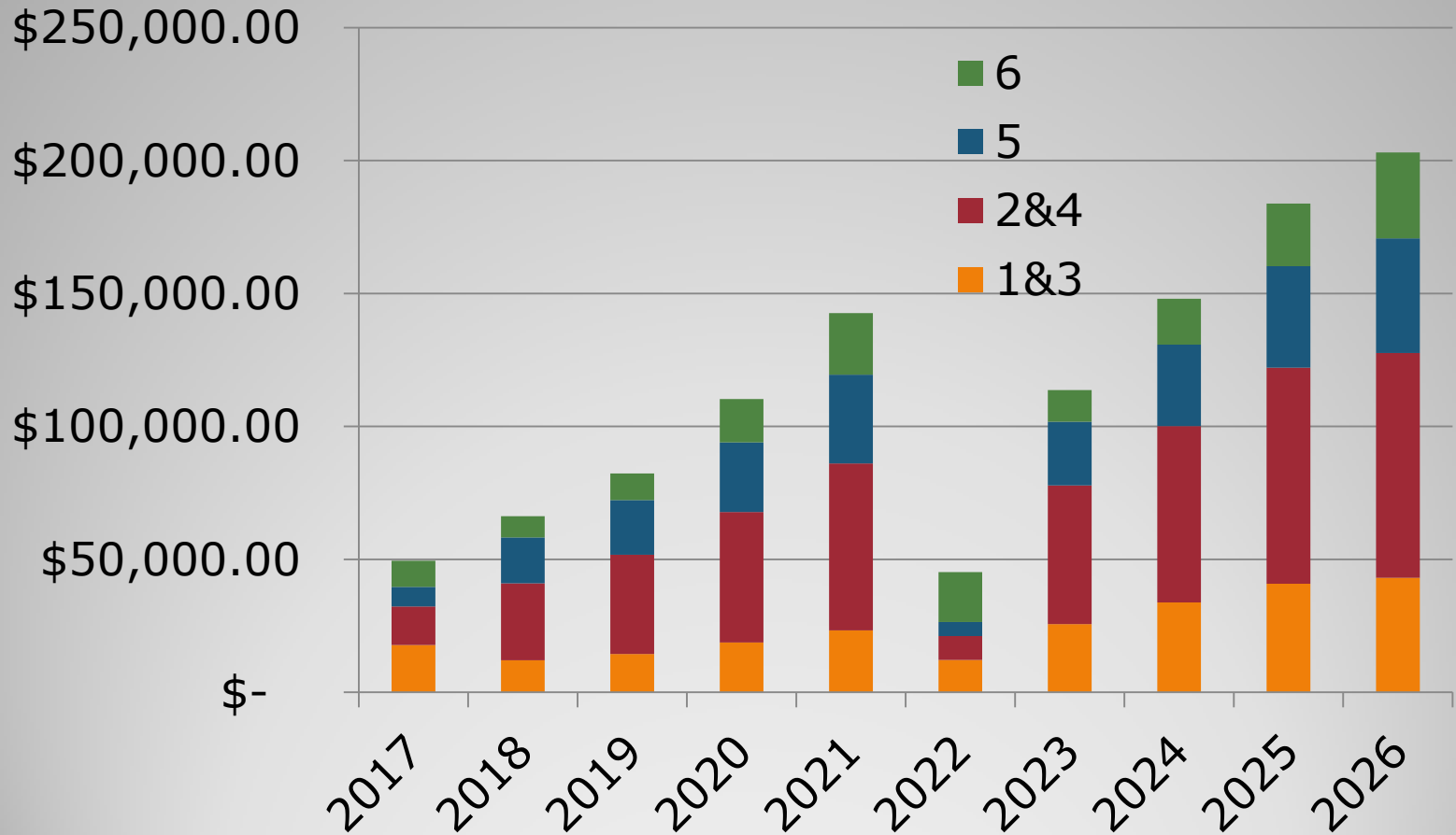
# 2017-2026 MIP List By Treatment Type



# 2017-2026 MIP List Crack Seal

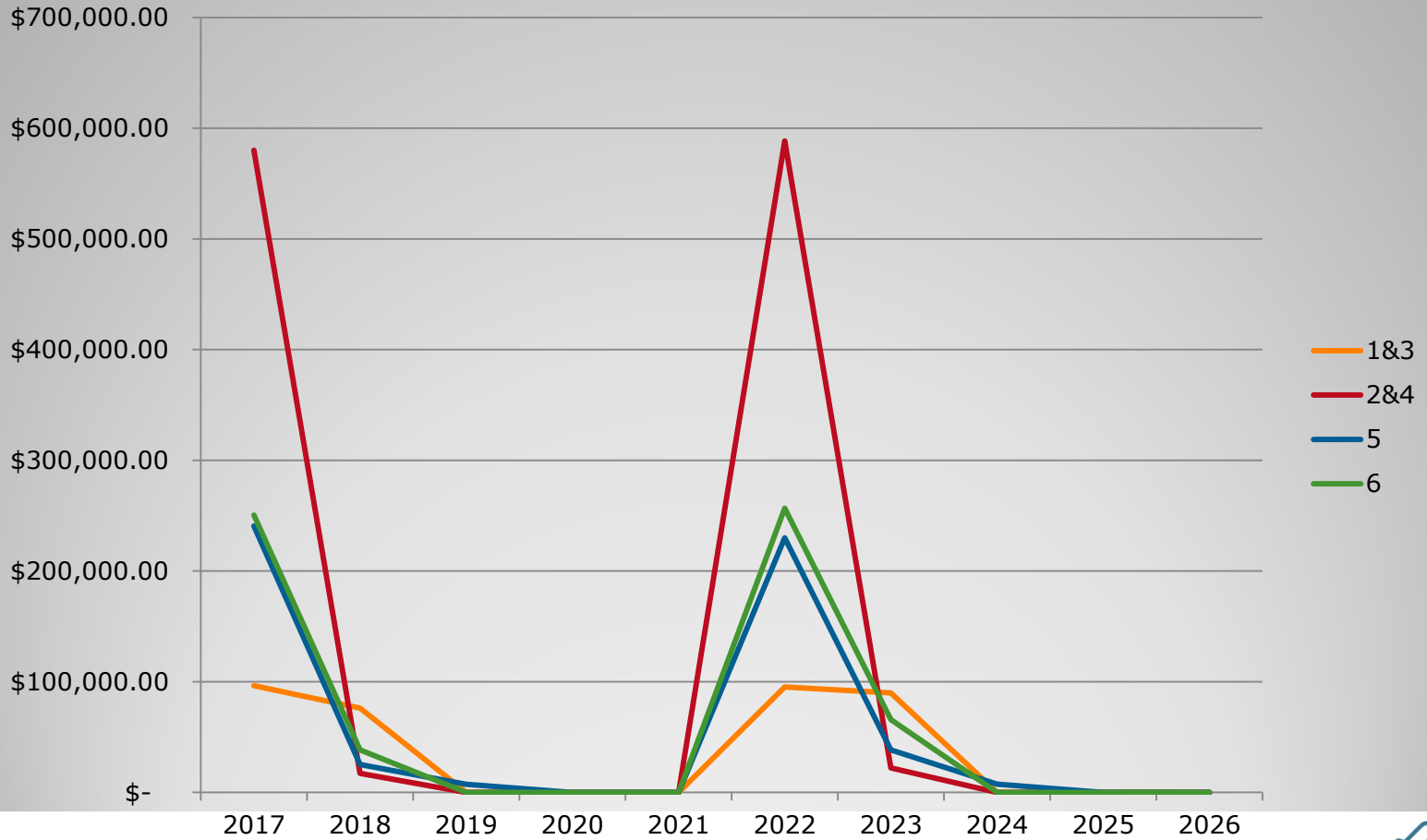


# 2017-2026 MIP List Crack Seal

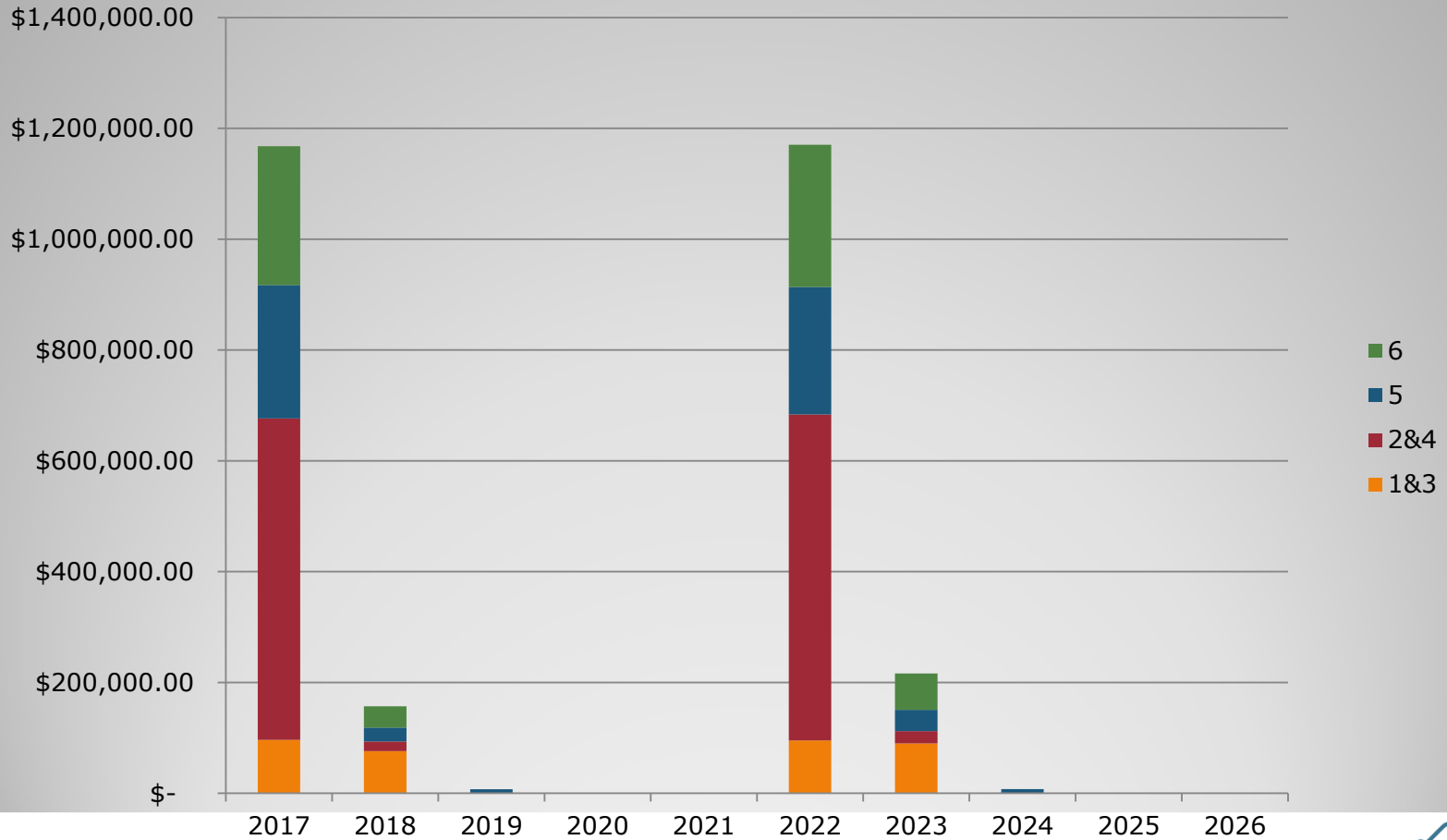




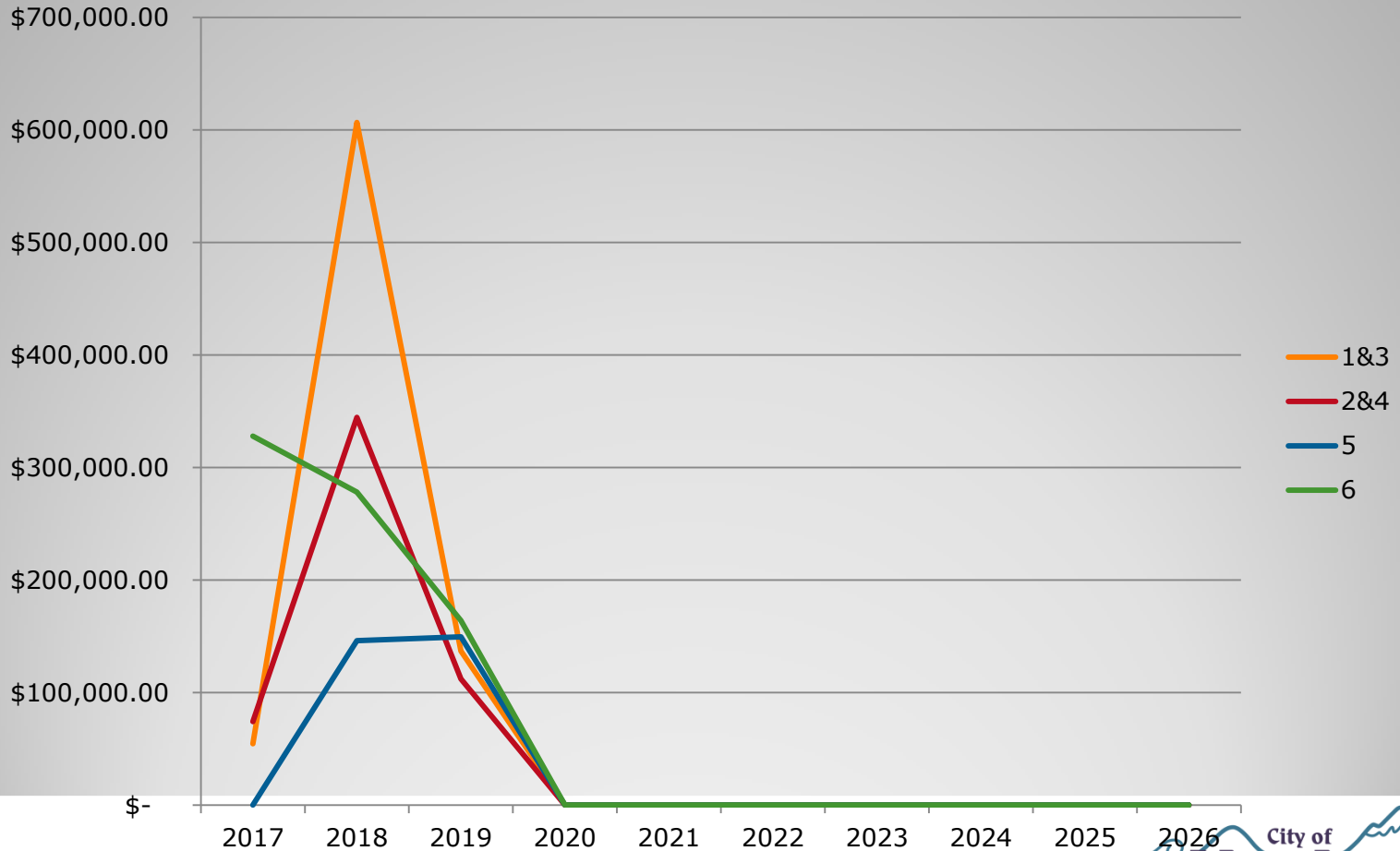
# 2017-2026 MIP List Slurry Seal



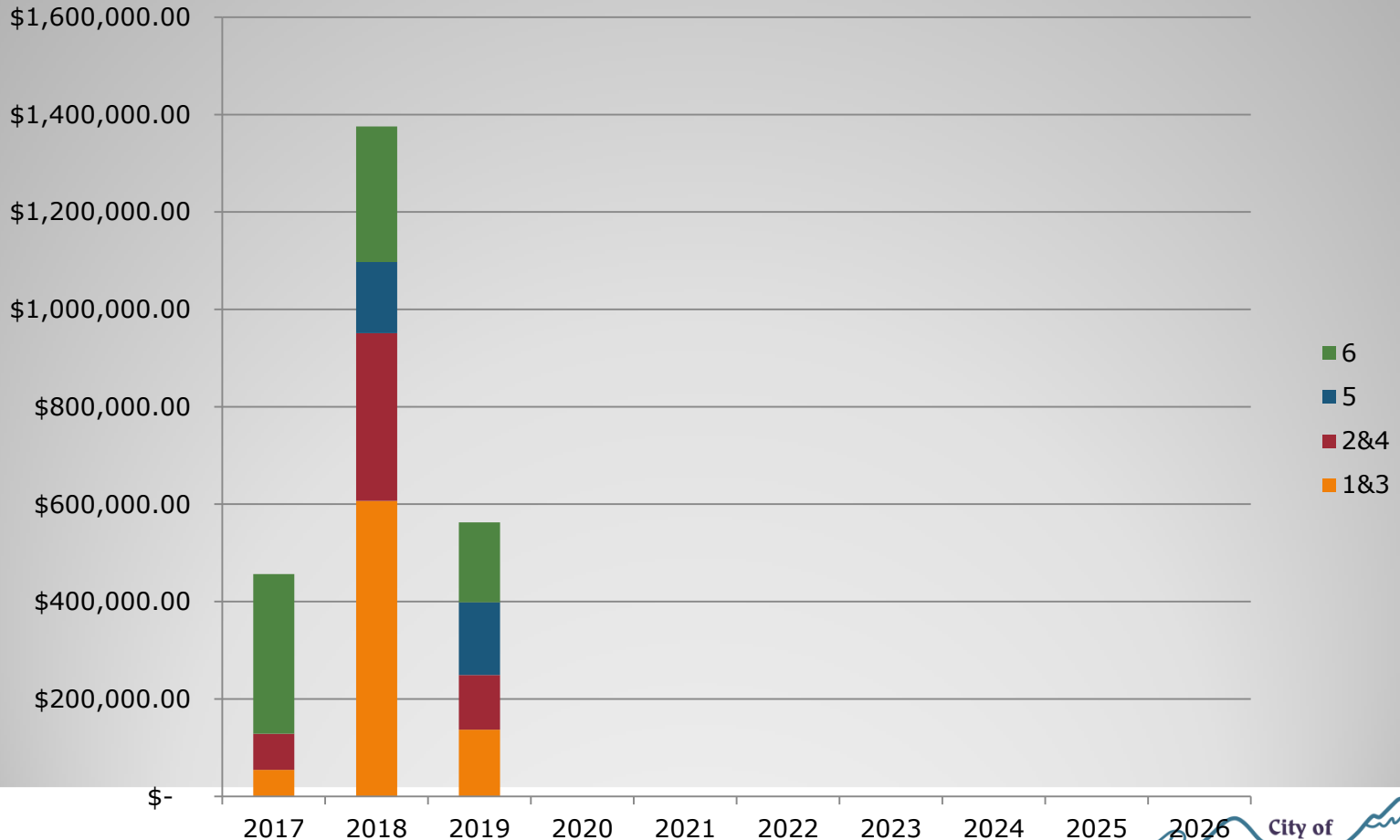
# 2017-2026 MIP List Slurry Seal



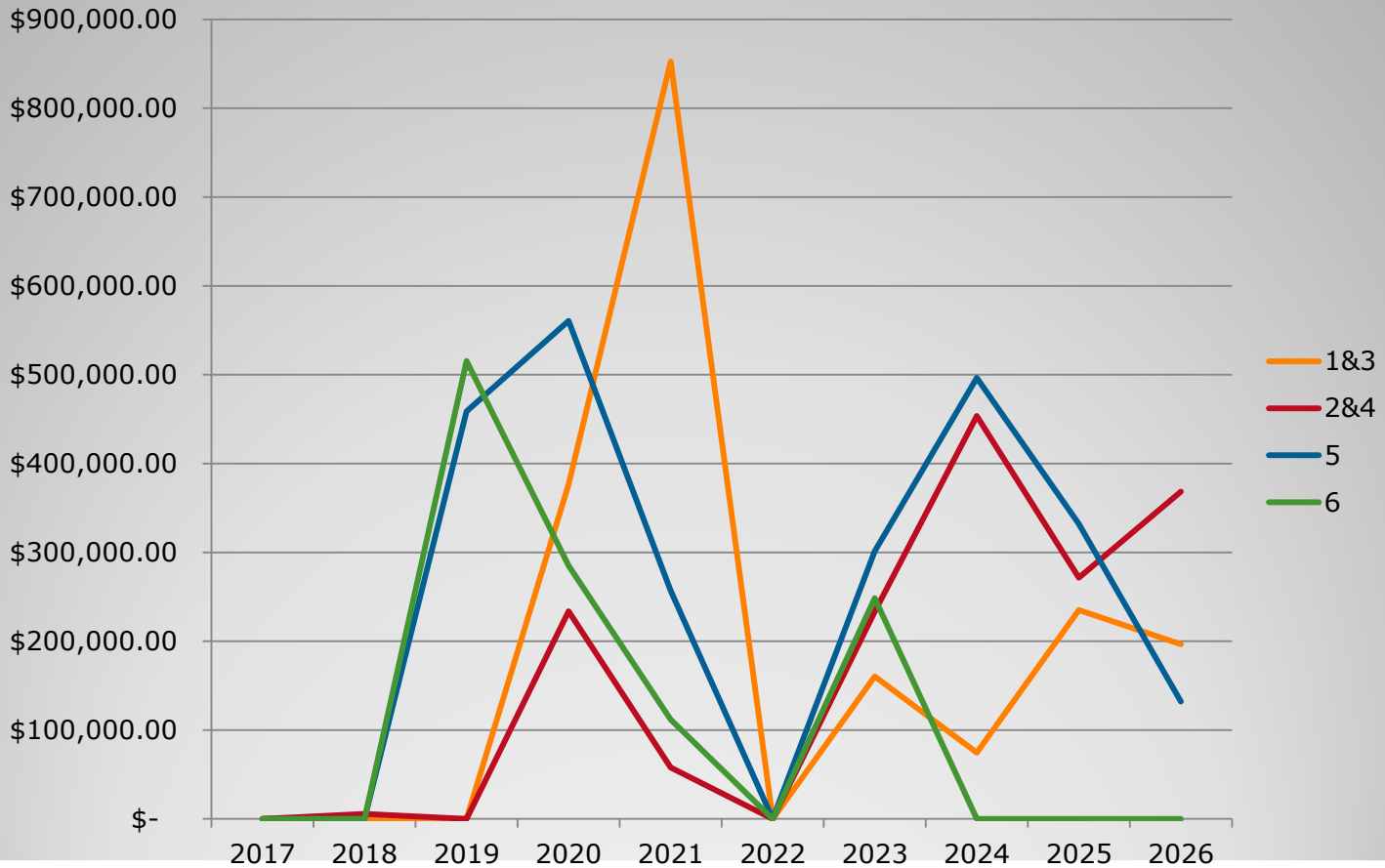
# 2017-2026 MIP List Grind & Inlay



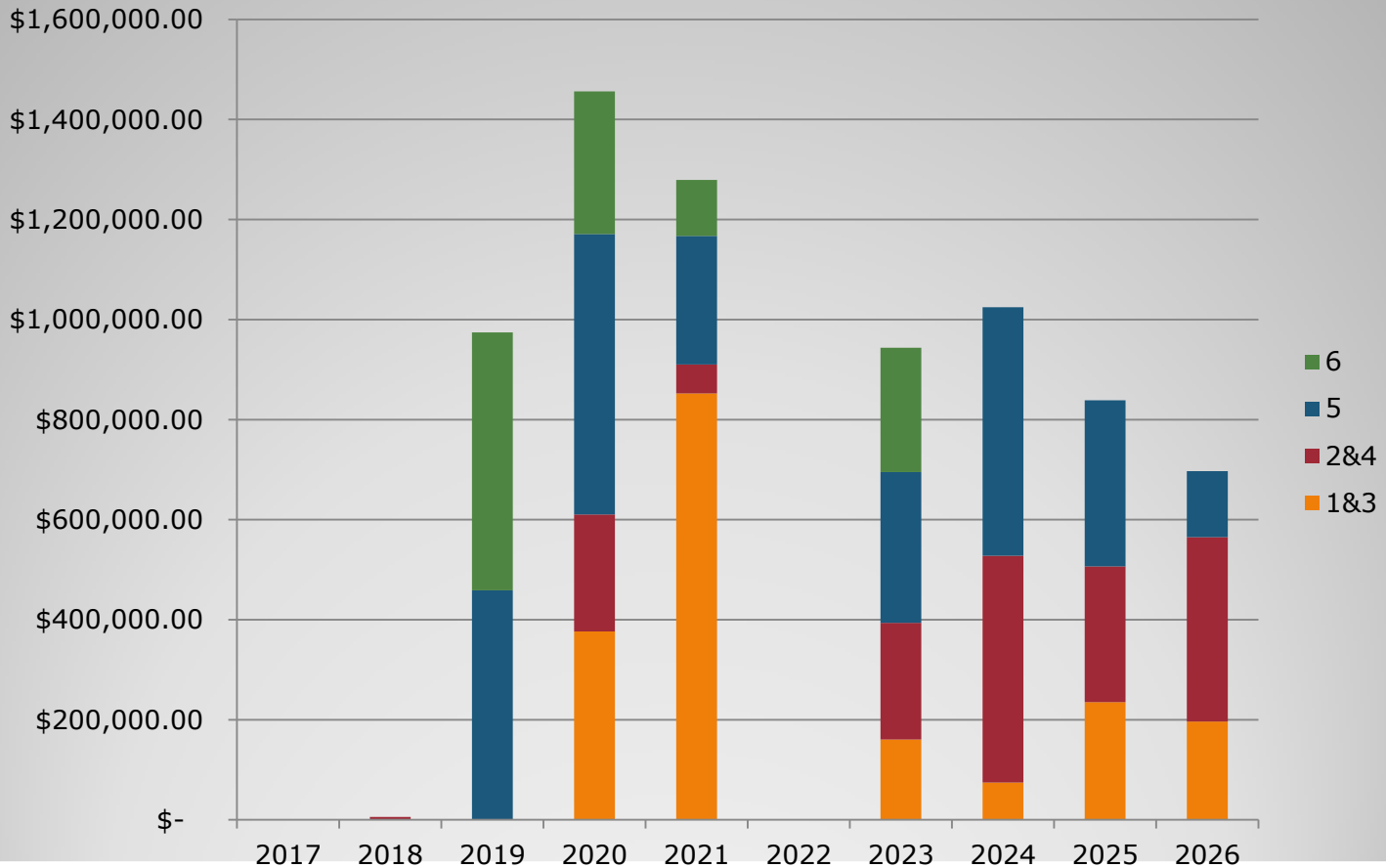
# 2017-2026 MIP List Grind & Inlay



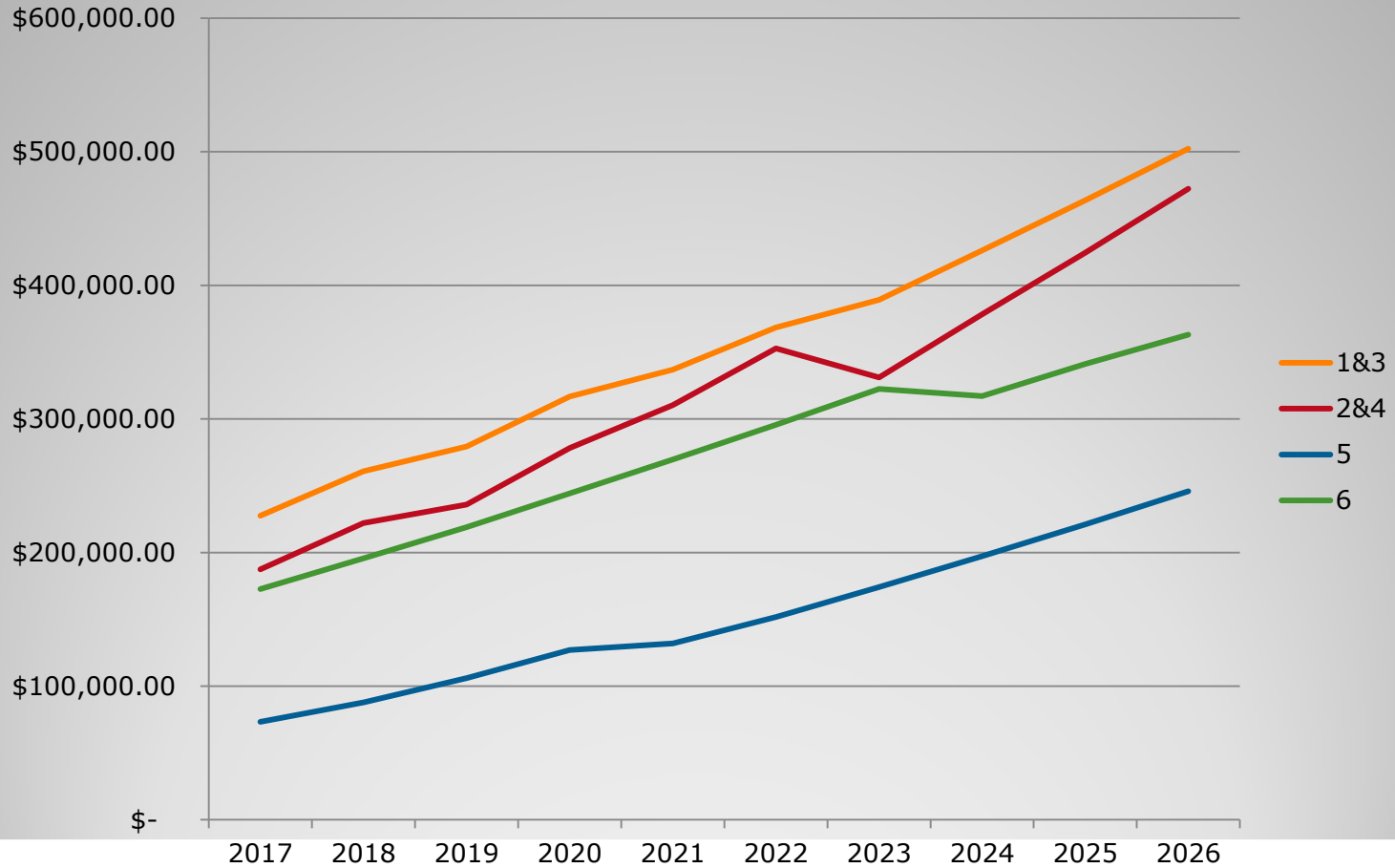
# 2017-2026 MIP List Reconstruct



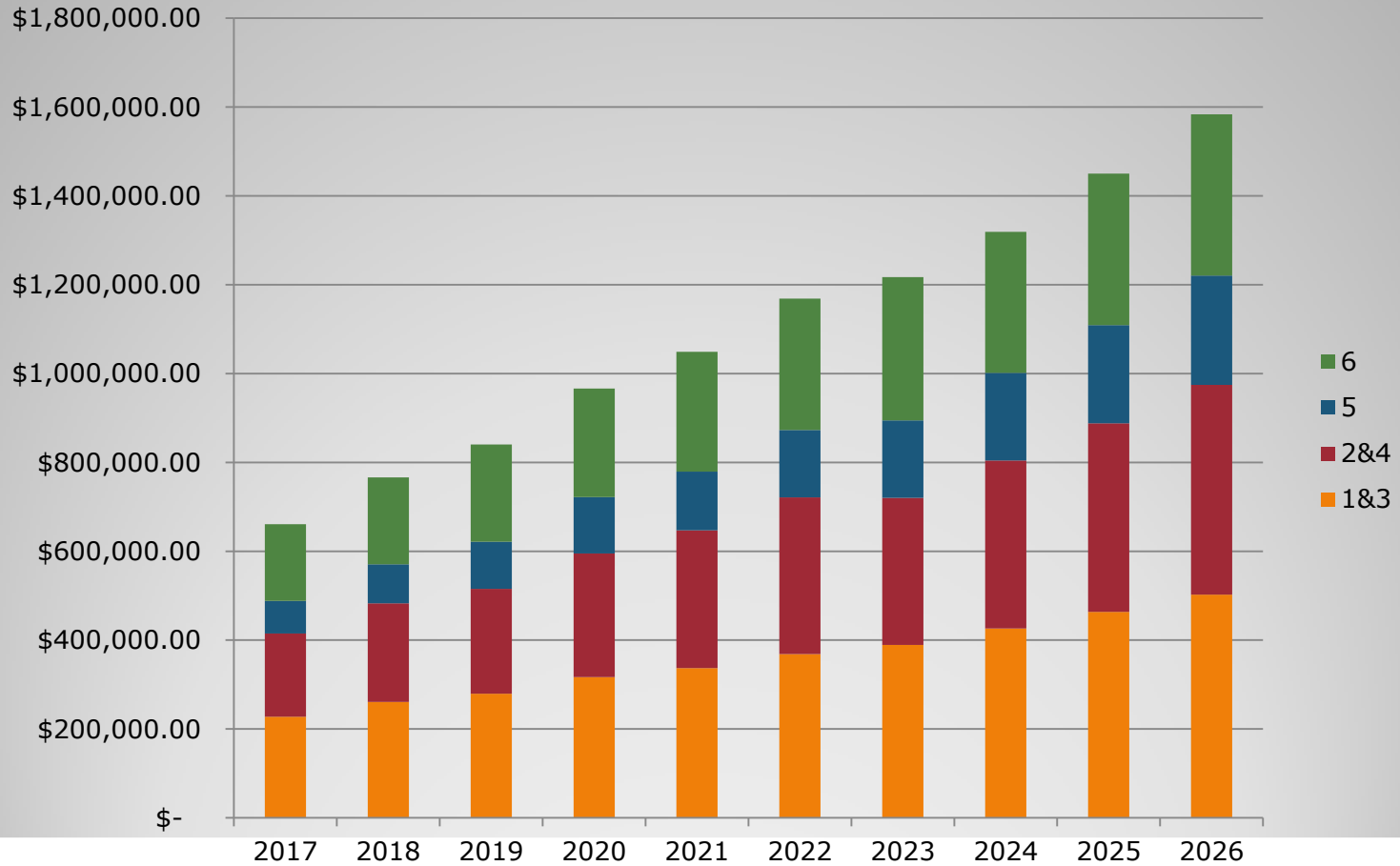
# 2017-2026 MIP List Reconstruct



# 2017-2026 MIP List Stop Gap - Total Cost

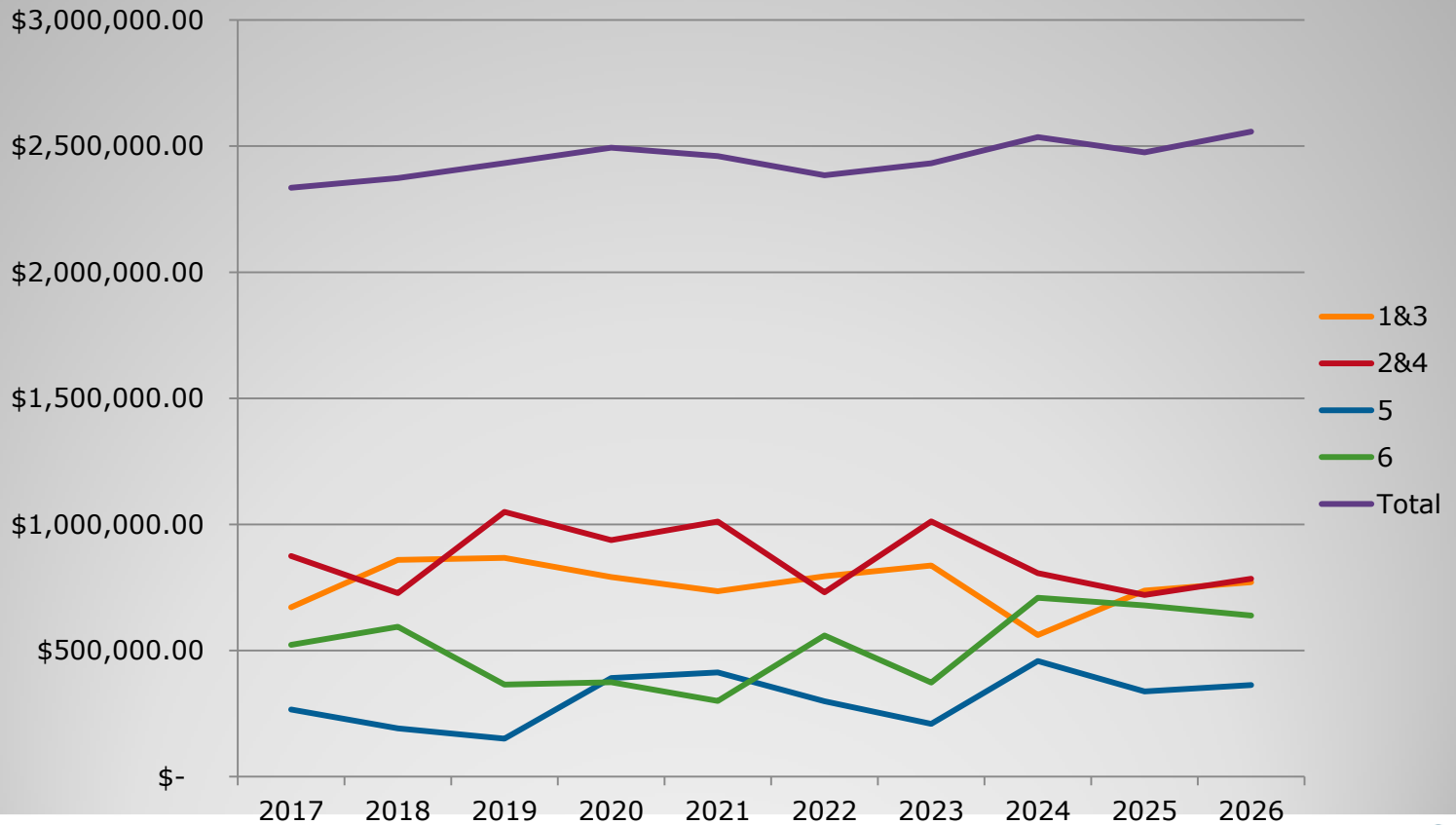


# 2017-2026 MIP List Stop Gap - Total Cost





# 2017-2026 MIP List Total Expenditures



# 2017-2026 MIP List Total Expenditures

