

STREETS AND ROADS

Existing Road Conditions

Available Funding Sources

Current Road Maintenance Efforts

Pavement Management Strategies

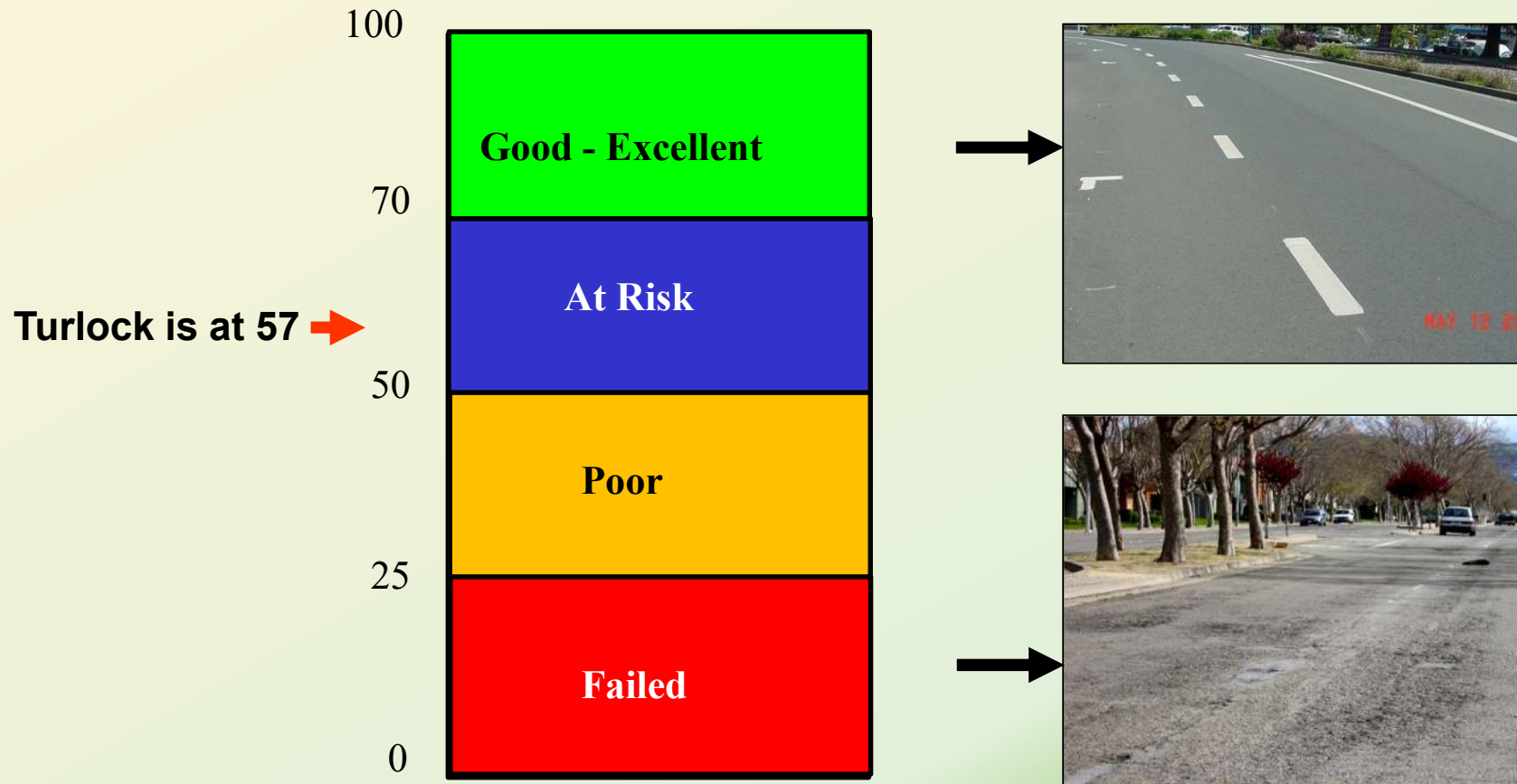
Trench Repair Construction Standards



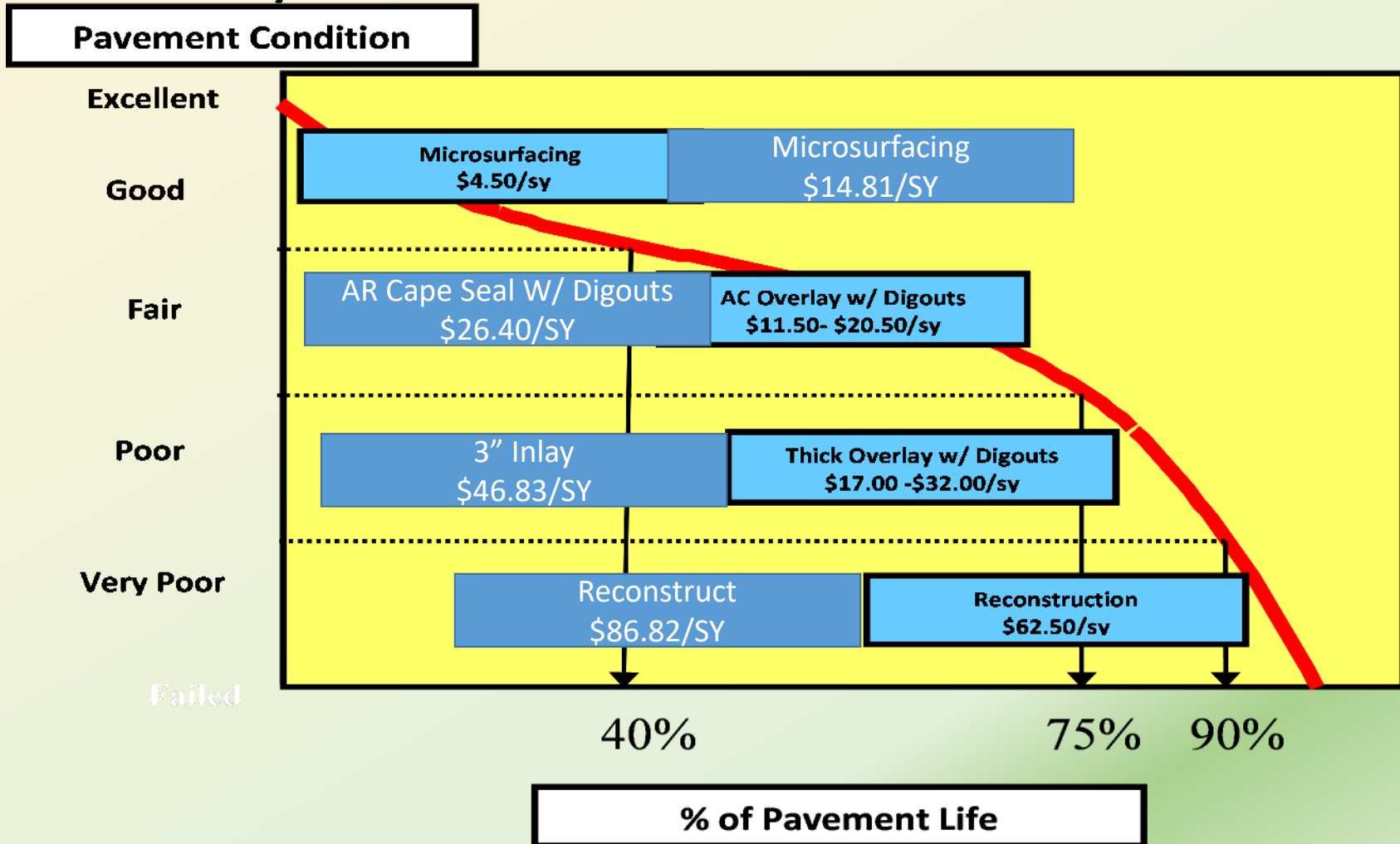
Actions Tonight

- Revise the City's pavement management system (StreetSaver) to place an increased prioritization on improvements to local streets
- Directing staff to report monthly on the entirety of the City's road maintenance program and making such reports readily available to the public

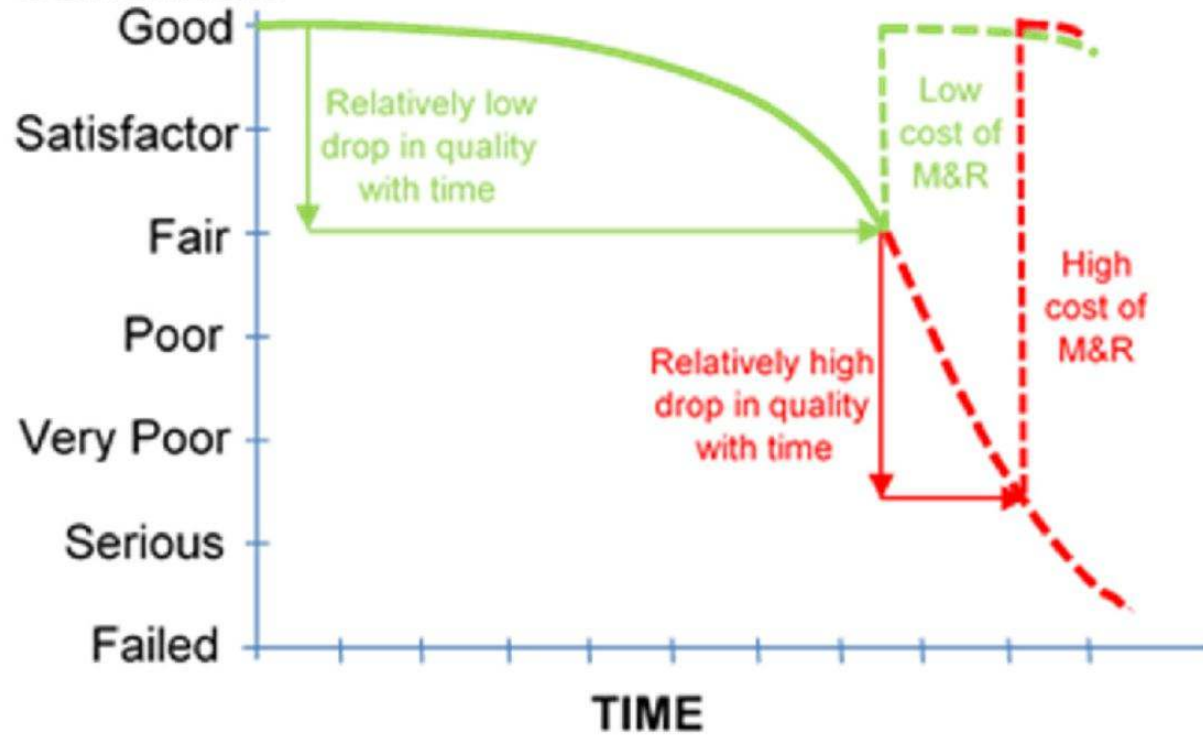
How are Roadway Conditions Measured



Roadway Conditions



PAVEMENT CONDITION



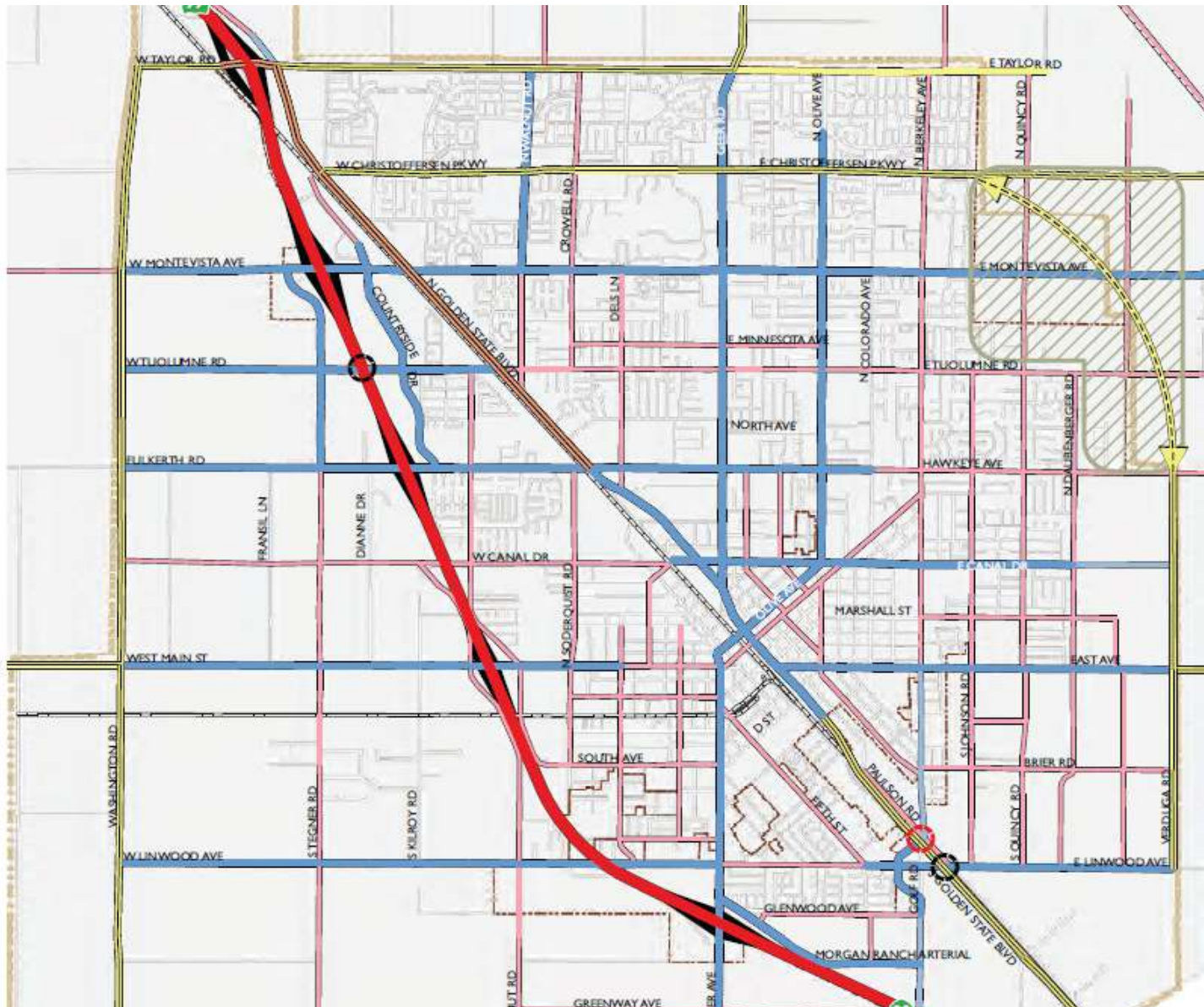
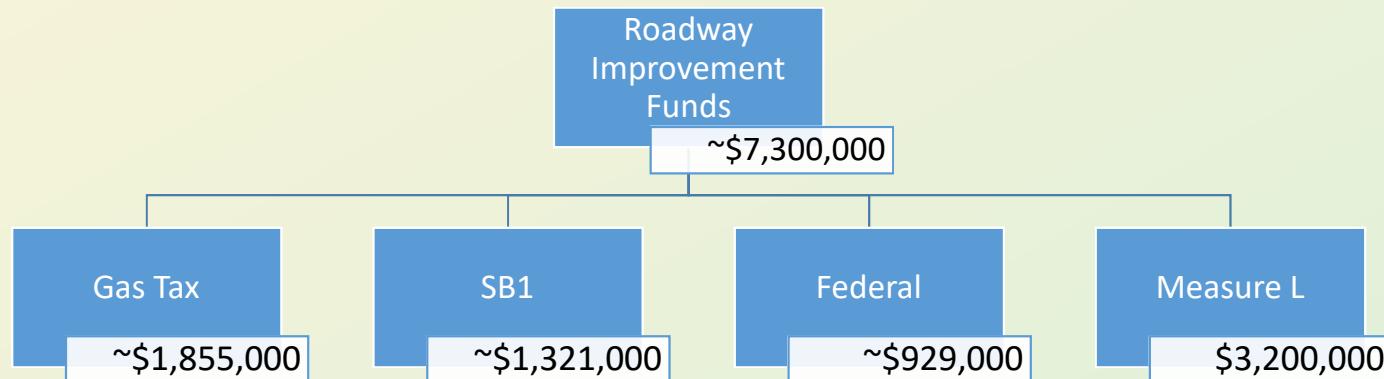


Figure 5-2: General Plan Circulation Diagram at Buildout

- Freeway (6 Lanes)
- Expressway (6 Lanes)
- Expressway (4 Lanes)
- Two-Lane Expressway
- Arterial (4 - 6 Lanes)
- Minor Arterial (2 Lanes)
- Collector (2 Lanes)
- - - Potential Expressway Connection (alignment TBD)
- Railroads
- Roadway Circulation Study Area (for establishing future expressway alignment)
- Potential Interchange Location
- Railroad At-Grade Crossing
- New Railroad or Freeway Over-Crossing
- Boundaries**
- Study Area Boundary
- City Limits & County Islands

Expected Funding FY 2019-20



Funding Breakdown

- Maintenance - \$2,541,000 (~35%)
- Roadway Improvements- \$100,000 (~1%)
- Projects - \$4,724,000 (~64%)

Streets Team Routine Maintenance

Duties



Potholes



Painting/Striping



Accident Response



Traffic Control



Leaf Pick Up



Median Landscape Maintenance



Clean Ups



Rail Road



Signs



Public Safety Assistance

Streets Team Routine Maintenance

Current Staffing Levels and Deployment



Streets

Team Leader – Tree/Sidewalk Permits, Litigation
Senior Worker – Signs/Calls
Senior Worker – Striping and Safety Coordinator
Worker II – Striping and Island Landscaping
Worker II (SB1) – Residential Pot Holes/Islands
Worker I (SB1) – Residential Pot Holes/Islands
Worker I – Main Thoroughfare Pot Holes
Worker I – Main Thoroughfare Pot Holes
Worker I – Island Landscaping
Worker I – Island Landscaping
2 Part Time (20 hrs.) – Island Landscaping

Streets Team Routine Maintenance

Potholes – 2 – 2 person Crews

Crew A – Operates 5 days per week (Major Thoroughfares)

Crew B (SB1) – Operates 3 days per week (Residential)

Number of Potholes/Trenches Filled

| | 2018 | 2019 |
|-----------|------|------|
| July | 395 | 1009 |
| August | 393 | 1447 |
| September | 337 | |
| October | 428 | |
| November | 318 | |
| December | 296 | |

*July 2019 in post SB1



Question: Why do we continue to fill the same pot holes multiple times?

Streets Team Routine Maintenance

Potholes

Staff Hours

July 1, 2018-June 30, 2019

| | |
|-------------------------|-------|
| West Linwood | 386 |
| North Golden State Blvd | 208.5 |
| North Quincy | 122 |
| Spruce | 101.5 |
| Wayside | 96.5 |
| D Street | 95.5 |
| Geer | 93.5 |
| East Hawkeye | 91.5 |
| Lander | 91.5 |
| West Taylor | 70 |



Issue: A lack of residential roads are identified for reconstruction under current plan.

Opportunity: Reprioritize road reconstruction considering maintenance hours spent.

Justification: Compare heavily maintained areas to StreetSaver priorities to identify consistencies.

Streets Team Routine Maintenance

Island Maintenance

Staff Hours
July 1, 2018-June 30, 2019

Locations: All Islands/Medians
Activity Code: Island/Right-of-ways
Total Hours: 3,190



Issue: Over 60 hours per week are spent on island related maintenance, or the equivalent of 1.5 FTE's.

Opportunity: Consider reducing the landscape design standards in islands/right of ways to minimize island maintenance and redirect staff toward road maintenance.

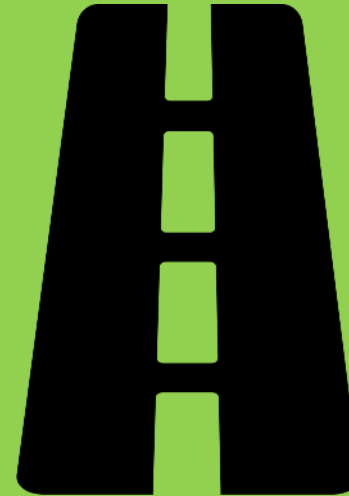
Justification: We have piloted a minimalist approach focusing on trees and bark in a few islands. This has proven effective resulting in less maintenance and improved safety for our employees.

Streets Team Routine Maintenance

Trench Repairs

July 1, 2018-June 30, 2019

| | |
|-------------------------------------|----|
| Temporary Trench Repair Work Orders | 57 |
| Number of Trenches | 99 |



Issue: City lacks equipment and staffing to make **permanent** trench repairs to City standard.

Opportunity: Continue to temporarily repair City trenches and hire a contractor to perform permanent repairs twice per year.

Justification: Frequency of work does not justify investment in equipment and hiring additional staff.

Dashboard Sample

Streets Team Routine Maintenance July 2019



Island Maintenance
577.5 Hours



Sign Work Orders
11



Paint/Marking Work Orders
1



Misc. Streets Work Orders
12

Potholes/Trenches



Potholes/Trenches Repaired
945



Top 5 Locations

| | Street | Staff Hours |
|----|------------------|-------------|
| 1. | Broadway (North) | 34 |
| 2. | Walnut | 24 |
| 3. | F Street (West) | 23 |
| 4. | Spruce | 20 |
| 5. | Geer | 17 |

Trenching Process

- Enacted Spring 2019
- New projects and entitlements
- City Owned Facilities
- Website
- Accumulate then bid

Current Project Selection Process

- Projects Component - Road Maintenance Strategy
- Larger projects; contract & competitive bid
- All Measure L, All Federal & Portion of SB1 & Gas Tax
- All but Federal are 100% discretionary
- Existing Measure L list
- Streetsaver for remaining funds

Summary

- The City has 507 lane miles with average PCI of 57
- Important components of road rehab. strategy are maintenance and projects
- Available funding is ~\$4.7M annually for projects

Recommendations

- Continue with maintenance efforts
- Continue with trenching efforts
- Preserve 15% for discretionary projects
- 45% residential streets
- 20% collector streets
- 20% arterial streets