City of Napa Infrastructure: Report Focusing on Street and Sidewalk Repairs

December 15, 2020

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Presentation Outline

City Infrastructure - Overview
Street, Sidewalk & Tree Programs
Purpose: Informational; no requested Council Action
Public Infrastructure

The basic public facilities of the built environment that support the community, quality of life, and economy.
Major Categories of City Infrastructure

Public Works Department
- Streets = 220 miles
- Sidewalks = 320 miles
- Curb and Gutter = 372 miles
- Storm Drains = 150 miles
- Storm Drain Inlets = 4,200
- Lane Striping = 209 miles
- Pavement Markings = 4,900
- Painted Curb = 14 miles
- Street Lights = 4,200
- Traffic Signals = 54
- Buildings = 27
- Parking Lots & Garages = 12 & 3

Parks Department
- Parks = 55
- Boat docks/launches = 4
- Trails = 32 miles
- Street Landscaping = 140 miles
- Trees = 50,000

Utilities Department: Water
- Pipelines = 360 miles
- Treatment Plants = 3
- Storage Tanks = 12
- Pump Stations = 9
- Regulator Stations = 14
- Dams/Reservoirs = 2
- Owned Watershed = 5,000 acres

Other public agencies:
- Flood District-Floodwalls/Levees
- Caltrans-Highway System
- NapaSan-Sewer System

Utilities:
- PG&E
- AT&T
- Comcast
1. **Core Work (High Priority)**
   - Preventative maintenance, repair, replacement
   - Reduces long range costs and potential liability

2. **New Projects**
   - Improved functionality or expansions
   - Some result in increased maintenance costs due to expanded facilities
Repairing Napa's Streets & Sidewalks

- Challenges of 2020
- Street Repair Programs
- Sidewalk Repair Programs
- Plans for 2021
Challenges faced in 2020

• COVID-19
  – Shelter at home and quarantine impacts
  – New health and safety guidelines
  – New standard operating procedures
• Budget Reductions/Vacancies
  – Pinot Neighborhood sidewalk repair contract cancelled ($900,000+ General Fund contribution)
  – Crew size down, engineering vacancies
• Fires
  – Crew members displaced
  – Smoky work conditions and missed days
  – Support to County clean up
Street Repair Program Elements

City Crews:
• General Operations & Maintenance
• Repairs of Residential Streets: Napa Neighborhoods Streets and Sidewalks Program

Contracting:
• Requires Engineering, Project Bids, Construction Management
• Repairs of Major Streets
• For Increased Operational Capacity
• Measure T & Other CIP
Total Annual Expenditures – Street Rehabilitation

($ millions)

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<th>Expended</th>
<th>Budgeted</th>
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<tr>
<td>FY 17/18</td>
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<td>FY 20/21</td>
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NNSSP | Measure T/CIP

FY 17/18 | FY 18/19 | FY 19/20 | FY 20/21
FY 20/21 Total Paving Program Funding
($ Millions)

No Recycling and Solid Waste contribution for FY 20/21, to return for FY 21/22

7.3 Million Total

- Measure T: 6.44
- Gas Tax: 0.83
MEASURE T PROJECTS

Trancas Street Rehabilitation
• 0.5 Miles, Jefferson to Highway
• Paving, storm drain repairs, medians and lane reconfiguration
• Work still pending – fog seal and thermoplastic striping
• To be completed Spring 2021

Trower Avenue Rehab Phase 2
• 0.5 Miles, Linda Vista Avenue to Dry Creek Road
• Paving, storm drain repairs, medians, thermoplastic striping and pedestrian beacon
• Work pending – Pavement repairs Jefferson to City Limits
• To be completed Spring 2021
NAPA NEIGHBORHOODS STREETS AND SIDEWALKS PROGRAM
PAVING PROJECTS 2020

Completed projects
• Hospital West Area – July 2020
• Greenbach Area – September 2020
• Collector Streets— Claremont Way, Park Avenue, Shetler Avenue (Portion)
Hospital West Area

3.2 Centerline Miles paved
Holmes Avenue Before:
PCI = 20
Remaining Life = 0

Holmes Avenue After
1.03 Centerline Miles paved
S. Minahen Before:
PCI = 30 to 38
Remaining Life = 2 to 4 years

S. Minahen After
**Sidewalk Program Elements**

- Napa Neighborhood Streets and Sidewalks Program
- Sidewalk Cost Share Program
- Measure T & Other CIP
- Priority Locations (criteria based)
Sidewalk Repair Program

- Video condition survey
- Calls/emails/service center
- Neighborhoods Program/concrete program planning
FY 20/21 Total Concrete Program Funding

($ Millions)

2.75 Million Total
Neighborhoods Streets and Sidewalk Program

• Hospital West Area – Completed Dec 2019
• Greenbach Area – Completed Sept 2020
• Grandview Foster Area – Completed Dec 2020
• Pinot Area – To be Completed June 2021
Greenbach Neighborhood
Before and After
Parks Department: Urban Forestry

- Evaluates tree & roots
- Shaves roots or removes tree
- Replaces street trees
• City streets west of Foster, south of Imola
• 45 CSDs repaired
• Completed December 7, 2020
Grandview/Foster Neighborhood
Before and After
Sidewalk Cost Share

Annual Budget $125,000

FY14/15 – FY19/20
  o 242 addresses

FY20/21
  o 8 addresses currently completed

Jan 2021 - City cost share increases
  o Property owner hires contractor to complete repair, City reimburses up to 60% of concrete costs & 100% of tree costs (requires pre-approval)
Priority Location Repairs

- Single address repairs
- Typically related to trees

- FY14/15 – FY19/20
  - 170 Locations Repaired

- FY 20/21
  - 6 Locations, 38 CSD Repaired

Criteria Based

- Proximity to schools or parks
- Pedestrian volumes
- Vertical displacement measurement
- Prioritized if not scheduled in neighborhood program in next several years
2021 Look Ahead

• Napa Neighborhoods Streets and Sidewalks Program
  – Pinot (Concrete and Paving)
  – Grandview/Foster (Paving)
  – Monarch Paulson (Concrete and Paving)

• Measure T Projects
  – Soscol Avenue Rehabilitation (Central to LaHoma)
  – Trower Avenue Phase 2 (Jefferson to City Limit)
  – Trancas Street Fog Seal & Striping
  – Westwood Rehabilitation - Bremen & Bancroft
  – Main and Lincoln Intersection Signal
www.cityofnapa.org

Service Requests:
Damaged sidewalks
Blocked street drainage
Tree issues
Potholes & more
Questions