



# Public Works Capital Improvement Plan 2015 FY2014/15 through FY2018/19

Agenda Item #14-078



# Capital Improvement Plan

- ◆ Prepared annually by Public Works
- ◆ 5-Year plan for road and bridge projects needed to maintain and improve existing transportation infrastructure
- ◆ Replacement of construction equipment
- ◆ Major maintenance projects at Public Works corporation yards

# Funding Assumptions

- ◆ Full normal Gas Tax (HUTA) funding
  - \$6.7M in FY14/15
  - Unadjusted for inflation since 1995
- ◆ Full Prop 42 replacement Gas Tax funding
  - \$3.7M in FY14/15
  - Adjusts for inflation
- ◆ 5-Year Plan includes \$66.5 million in project construction (\$7.9 million is unfunded)

# What Does Plan Propose?

- ◆ Reasonable funding of major road maintenance projects
  - If fully funded, will treat or improve 273 miles, or 57 percent of paved County roads
  - Paving projects are not funded after FY15/16, but some funding will likely become available
  - 10 year chip seal – slurry seal cycle
    - ◆ Slightly below the 7 year standard

# Major Road Maintenance and Improvement Projects

- ◆ Asphalt concrete overlays: 17 miles
- ◆ Chip seals: 219 miles
- ◆ Road improvements to County standards: 32 miles
- ◆ Bridge replacements: 2 bridges (includes Winters)
- ◆ Bridge rehabilitations: 4 bridges

# How Good Are Our Roads Today?

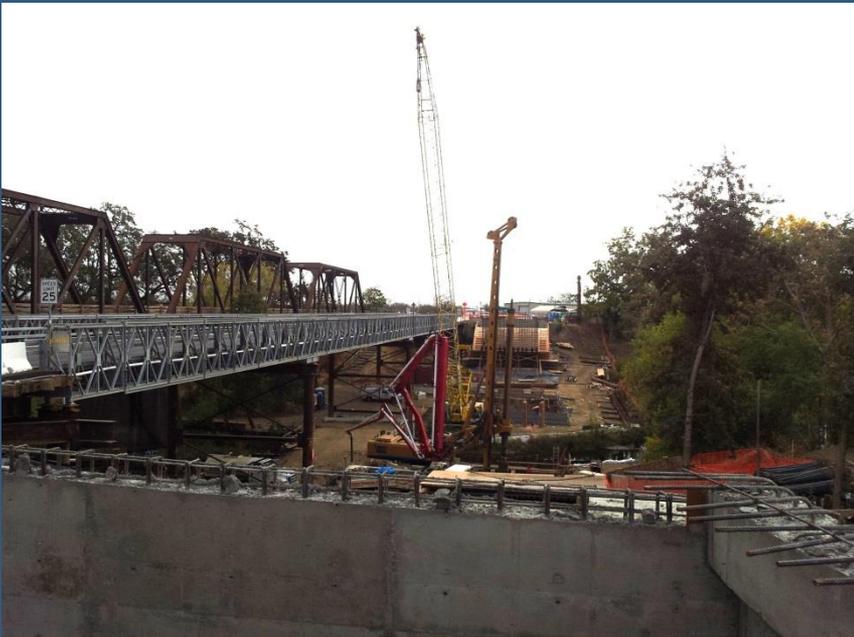
- ◆ Pavement Condition Index (PCI) used to rate roads on a scale of 0 (failed) to 100 (excellent)
- ◆ Regional PCI Goal of 75
- ◆ Solano County's paved roads have a three-year moving average PCI of 75 (up from 71) and are considered to be in "good" condition
- ◆ Solano County is first for PCI amongst the 9 Bay Area Counties

# Reasons for PCI Increase

- ◆ Use of newer polymer-modified rejuvenating oil in the chip seal application
  - 40 miles of chip seal applied each year
  - 30% to 40% of the cost of an overlay
  - Life cycle of 7 to 10 years (50% of an overlay)
- ◆ Improved assessment and management of roads: The right treatment for the right road

# Ongoing Projects

## Winters Bridge Replacement at Putah Creek



# Ongoing Projects

Chip Seal Process: At least 40 miles per year



# Upcoming Projects

Travis Air Force Base

South Gate Improvement Project



# Upcoming Projects

## Suisun Valley Farm to Market



# Upcoming Projects

## Federal Highway Safety Improvement Program: Significant Grant Wins

- ◆ Lake Herman Rd & Cordelia Rd
- ◆ Putah Creek Rd & Dixon Avenue West
- ◆ Pleasants Valley Rd
- ◆ Midway Rd/Sievers Rd
- ◆ Hartley Rd & Rockville Rd
- ◆ Guardrail Replacements



# Conclusion

- ◆ The County road system is in good condition
- ◆ Gas Tax funding is relatively stable
- ◆ Core road maintenance and bridge projects are funded in this CIP
- ◆ Questions?