

# City of Healdsburg

## City Council Meeting

June 19, 2017

### Measure V Pavement Rehabilitation Project Update



# Measure V Pavement Rehabilitation Project Update

## What is Chip Seal & Microsurfacing?



- Pavement Rehabilitation
- Preventive Maintenance
- Extends street service life for up to 7 years
- Less cost & time than traditional AC strategies (overlays, reconstruction)

# Measure V Pavement Rehabilitation Project Update

## How does Chip Seal & Microsurfacing work?

- 2-step process after pavement prep work
- 1<sup>st</sup> Chip Seal: hot asphalt rubber oil membrane “seals” moisture out from pavement infiltration. Rock chip added while membrane still hot
- 2<sup>nd</sup> Microsurfacing: slurry product that provides smoother uniform wearing surface. Usually cures in 2 – 4 hours.



# Measure V Pavement Rehabilitation Project Update

## Project Statistics:

Total Cost: \$1.710 M

Total Area Repaired: 221,900 SY

Total Centerline Miles: over 11 miles

Time of Completion: approx. 2-1/2 mos.

## Comparison Statistics: If other strategy used...

Scope of work: typical 2" AC Overlay

Probable Cost of Construction: approx. \$10 M

Estimated time for completion: 4 – 6 mos.

# Measure V Pavement Rehabilitation Project Update

What street improvements could be made for same cost?

2" overlay: 35,440 sq. yds. of pavement overlay, or approx. 1.68 miles of typ. 36' road.

Reconstruction: 16,800 sq. yds. of street, or approx. 4,200 ft. (less than 1 mile).

Other considerations for higher cost strategies:

**MUST FIRST REPAIR ALL UNDERGROUND UTILITIES!!  
AT WHAT COST?**

# Measure V Pavement Rehabilitation Project Update

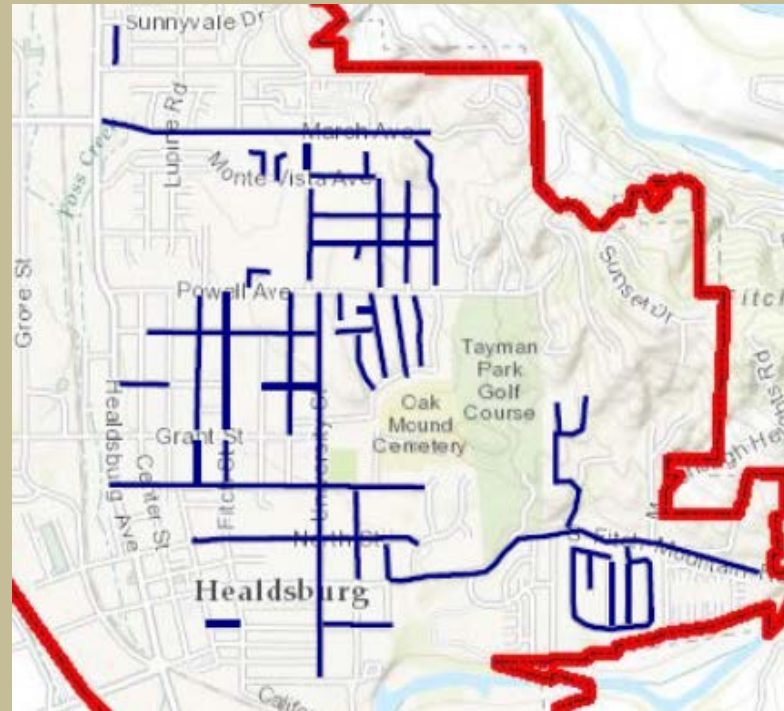
## Major Project Accomplishments:

- Amount of streets improved: 11 centerline miles, or 25% of all City-maintained centerline miles.
- Amount of rehabilitated pavement: 221,000 sq. yds.
- Adding new bikes lanes @ So. Fitch Mountain Road
- Street service life extended at least 7 years
- Work completion (projected): 90 calendar days  
(i.e. on time)

# Measure V Pavement Rehabilitation Project Update

Microsurfacing over 11 centerline miles of city streets

- That's roughly 25% of all city streets



# Measure V Pavement Rehabilitation Project Update

Sampling of completed streets (w/o striping):

First & North Streets @HES



Badger Street





# Measure V Pavement Rehabilitation Project Update

Sampling of completed streets (w/o striping):



# Measure V Pavement Rehabilitation Project Update



End of Presentation