

Road Network Update



VIN CAY, PE
DIRECTOR OF PUBLIC WORKS



BOARD OF SUPERVISORS MEETING
APRIL 4, 2023

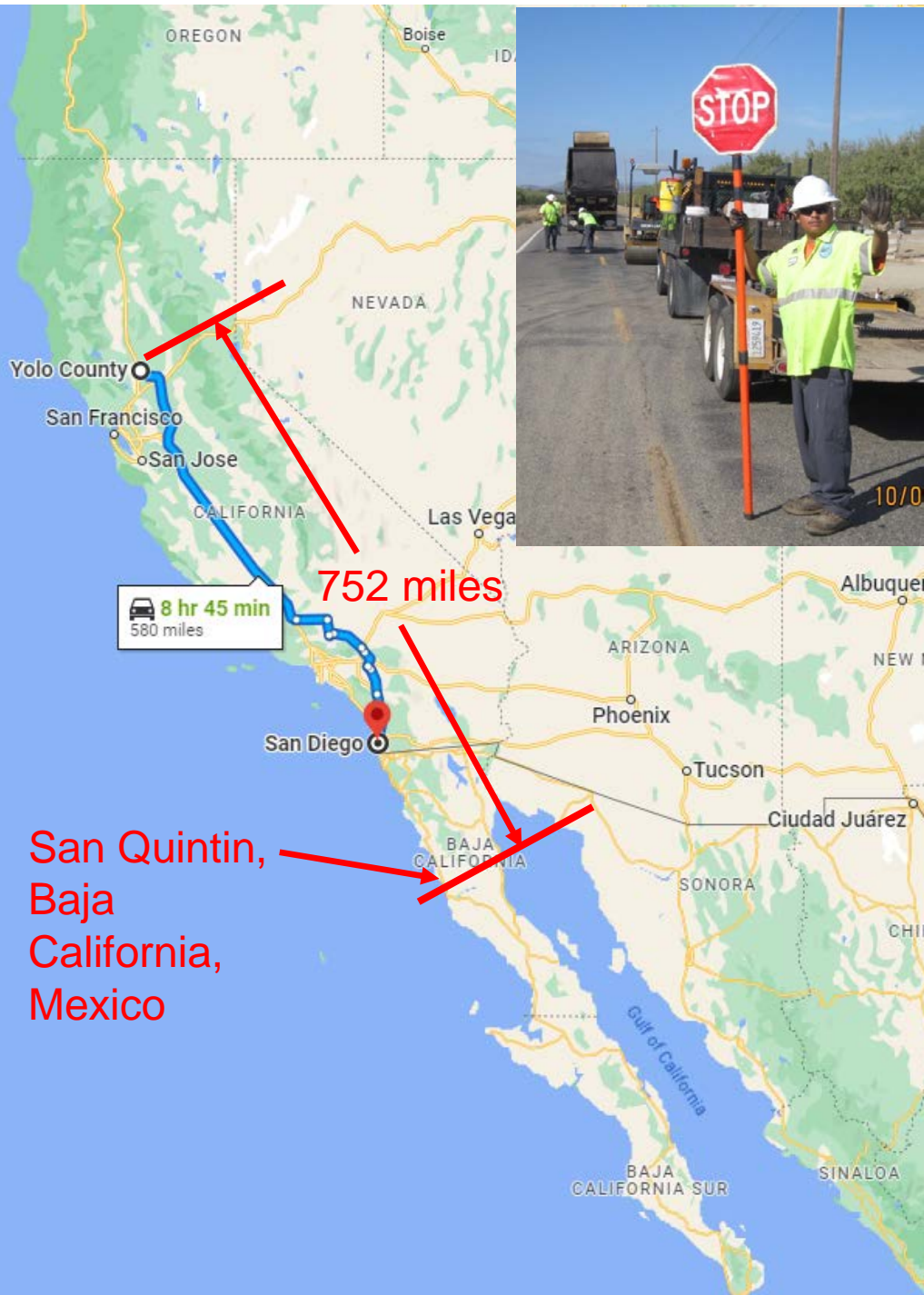


Roads



- Pavement Condition Index or PCI is 46 (PCI = 47 last update)
- Maintained Mileage = 752 miles
- Federal Aid Roads – 111 Miles (average PCI 59)
- ☐ Non-Federal Aid Eligible Roads – 548 miles (average PCI 45)
 - Local Residential Roads – 27 miles (average PCI 47)
 - Gravel Roads – 107 miles

Maintained Mileage



- How much is “752 centerline miles?”
- Imagine a round trip to San Quintin in Baja California, Mexico.
- Add 147 bridges along the way.



Un-Maintainable Roads



- CR 40 Example
- 2009 Board Resolution

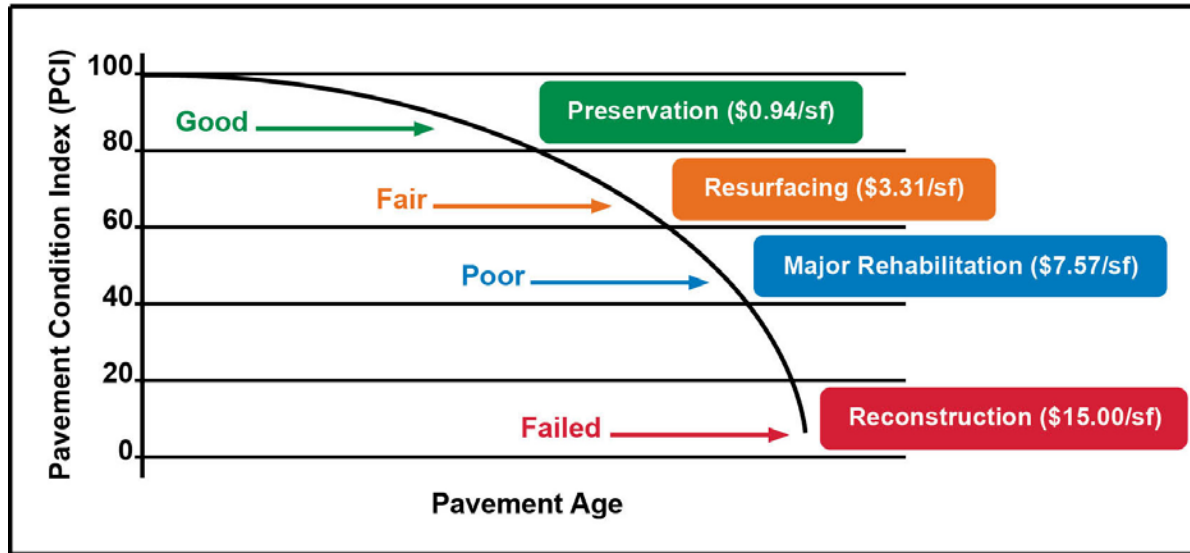
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Prioritizing is Key



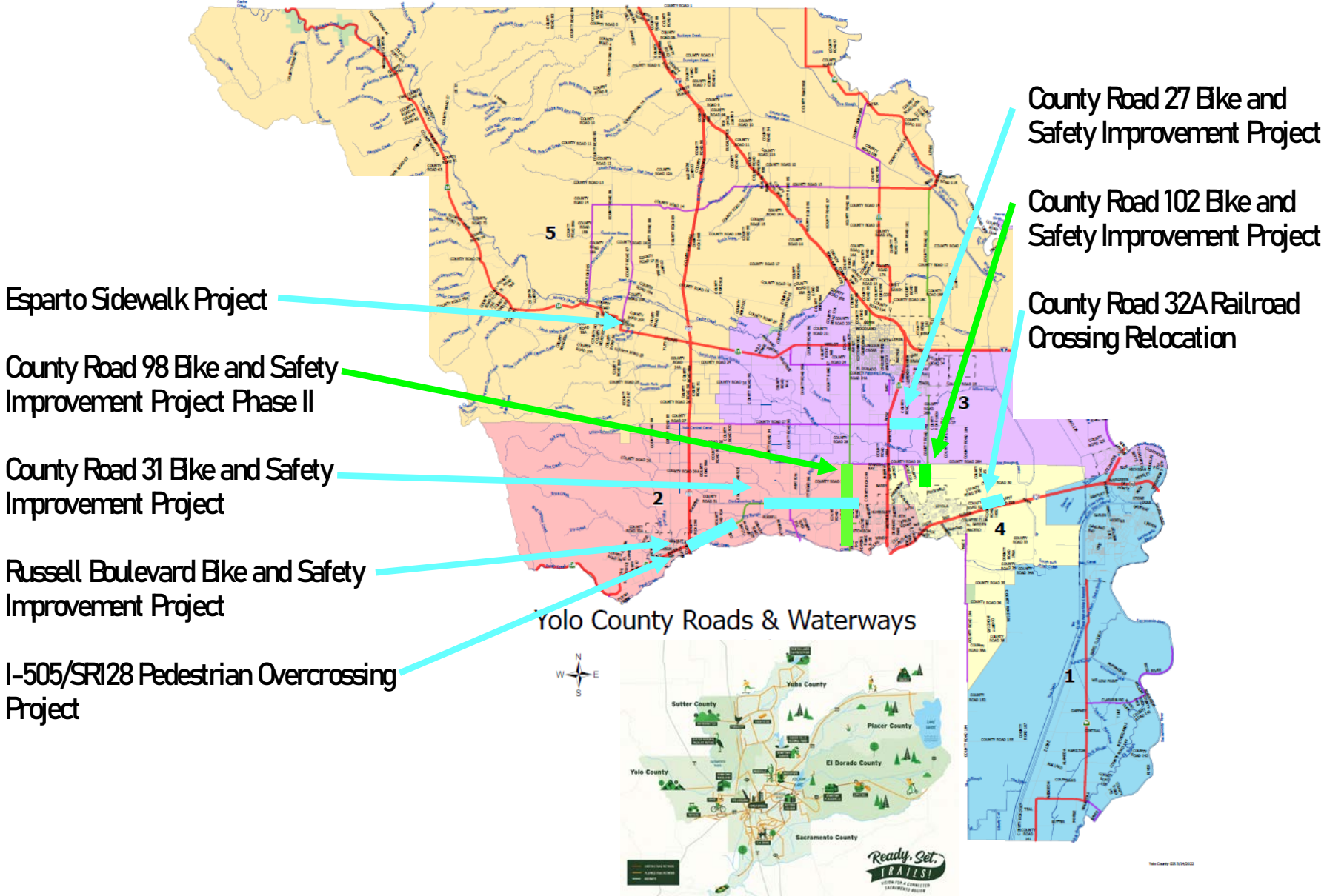
- Select methods and sequencing to allow material recycling, where feasible, to enhance sustainability
- Use the County's Pavement Management Program to help identify projects
- Give priority to corridors that serve the most traffic
- Transportation Advisory Committee (TAC)

Maximize 'Bang for the Buck'



- **Public Works \$6M annual expenditure**
 - Prioritize projects to optimize benefit per dollar spent
 - Use preservation treatments to extend service life
- **Leverage federal/state grants**
 - 'Self-help' local match for more grant opportunities

Leveraging Grant Funds



2023 SB1 Project List

Supervisory District	Road	From	To	Length (mi)
District 4	CR104	Davis City Limit	Tremont Rd	2.9
District 5	Town of Esparto	West of State Route 16	-	2.8
District 5	CR 23	CR 85B	CR 89	4
Districts 2 & 3	CR 96	0.5 mi n/o CR 29	CR 32	2.9
Districts 3 & 5	CR 24	CR 90	CR 98	8
District 1	South River Road	CR 142	Sac County	6.5
District 1	N Courtland Rd	Z Line Rd	Alameda Rd	1.5
District 1	Z Line	Clarksburg	N Courtland	4.2
District 1	Gaffney Rd	Jefferson	Z Line Rd	1.3
District 1	CR 144	CR 142	CR 143	2.75
District 1	N Courtland Rd	CR 143	State Route 84	1
District 1	Courtland Rd	South River Road	State Route 84	1
District 1	Waukeena Rd	Courtland Rd	Morse Rd	1.75

Residential Areas

Town	PCI	Estimated Treatment Year
Capay	9	2023
Esparto	25	2023 (east SR16), 2025 (west SR16)
Clarksburg	40	2024
Guinda	18	2026
Rumsey	41	2026
Nbrth Davis Meadows	35	2027
Madison	30	2028
Dunnigan	42	2029
Willowbank	41	2031
Knights Landing	42	2033
El Macero	77	2035
Zamora	90	2037
Yolo	88	2038

Bridge Projects



- 147 County Maintained Bridges
- 107 Federal Highway Bridge Program (HBP) Funds Eligible
- 7 Active Bridge Projects

Winter Storm Response



ROADS CLOSED	
Location	Reason
16 btwn 95 & 96	Flooding
86 btwn 4 + 2	Fords running
2 btwn 85B + Canal	Ford running
87 Btwn 14 + 11	Flooding
19 Btwn 87 + 50s	Flooding
85A btwn 1 & 2	Flooding & low water crossing
88 btwn 1 & 99W	Low water crossing flooded
88 @ 32A (winter)	Flooding
101 Btwn 27 & 85A	Flooded
100A S/O 27	Flooded
30 between 98 & 46	Flooded
96 between 29 & 27	Flooded
25 between 95 & 95A	Flooded
75a between 24 & 25	Flooded
97D between 31 & 32	Flooded
12A btwn 910 & 99W	- Flooded
24 btwn 93 & 80A	Flooding
92E btwn 31 & 29A	Flooding
31 btwn 98 & 95	Flooded
Duckeye between Marmit & 21	
Aviation btwn 20 & 95	Flooded



Summary



- Maximize benefit from \$6 million annual expenditure
- Strategically pursue grants for projects
- Board may consider exploring a 'self-help' county tax
- Recover from winter deluge damage
- Recruit for 5 vacant Road Crew positions
- Q&A