

2019 Transportation Project Update and Measure R Bonding

Presented by the
Tulare County Resource Management Agency
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Projects over past 5 years

- Video image

Recently Completed Projects

Project Name	Completed	Estimated Construction Cost
2018 Road Repair and Accountability Act (“SB 1”) Projects	Spring of 2019	\$4,900,000
Avenue 280 Widening Project (SR 99 to Road 100)	Summer of 2019	\$9,800,000
Allensworth Elementary Sidewalk Improvements	Summer of 2019	\$500,000
D129 over Sand Creek Bridge Replacement	Fall of 2019	\$1,400,000
Bear Creek Road over Rancheria Creek Bridge Replacement	Fall of 2019	\$1,800,000
Community Accessibility Enhancement	Fall of 2019	\$330,000
Avenue 152 Safety Improvements	Fall of 2019	\$1,500,000

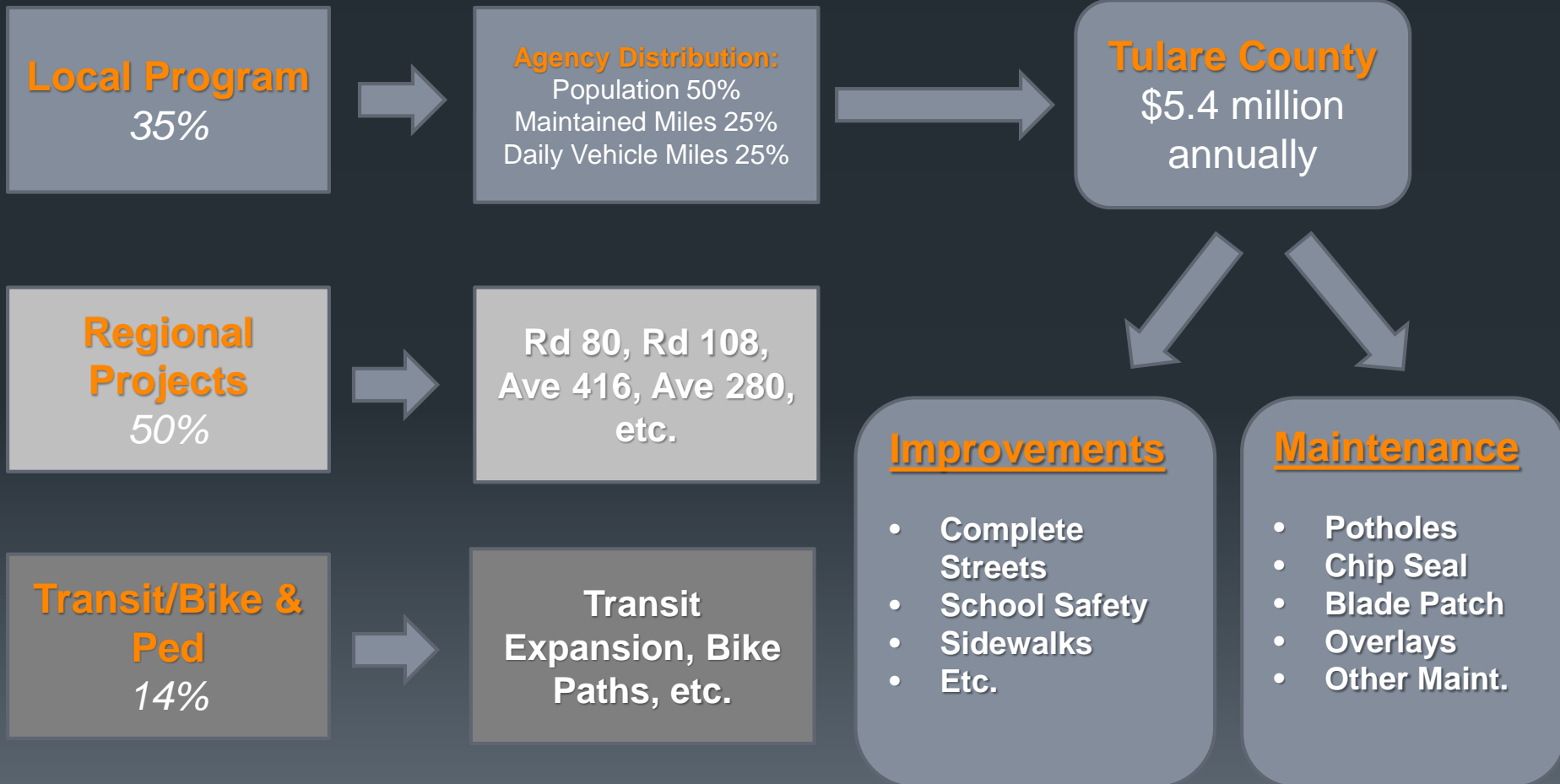
Over \$20 million completed

Upcoming Notable Projects

Project Name	Projected Construction Date	Estimated Cost
M348 over South Fork Kaweah River Project	Spring of 2020	\$2,900,000
2020 Road Repair and Accountability Act (“SB 1”) Projects	Summer of 2020	\$11,900,000
Harvest Road Reconstruction	Summer of 2020	\$1,000,000
Earlimart Sidewalk Improvements	Summer of 2020	\$650,000
Avenue 424 over Traver Canal Bridge Replacement	Fall of 2020	\$2,400,000
Avenue 392 over Sand Creek Bridge Replacement	Fall of 2020	\$2,600,000
Avenue 364 over Cottonwood Creek Bridge Replacement	Fall of 2020	\$2,800,000
Avenue 232 Safety Improvements	Fall of 2020	\$1,750,000
Roundabout at Avenue 144 and Road 96	Summer of 2021	\$2,300,000
Road 64 Improvements (SR 198 to Avenue 304)	Spring of 2021	\$2,800,000
Avenue 256 & Road 204 Signalization and Rehabilitation	Spring of 2022	\$2,800,000

Nearly \$34 million total

Measure R Allocations



Regional Program Projects

- SR 99 Interchanges
 - Avenue 280 (Caldwell) and City of Tulare
- Avenue 280 (Caldwell) Widening – Segments 1 and 2
- SR 65 to Spruce Ave Improvements
 - Rocky Hill Drive and Firebaugh Ave
 - With City of Exeter
- Others in Visalia, Porterville etc.

Local Program Loans/Advance Options

- Maximum Amount available to advance:
- Option A – Long term payoff
 - **Maximum** of 50% of Measure R Local Program Revenue projected to be allocated between 2020 and 2037.
 - This equates to approximately **\$35.4 million of advanced funds for projects**.
 - Cost is approximately \$46m after interest (50% of \$5.4m for 17 years);
- Option B – Short term payoff
 - **Maximum** of 100% of Measure R Local Program Revenue projected to be allocated between 2020 and 2024 (4 year payback).
 - this equates to approximately **\$20 million of advanced funds for projects**.
 - Cost is approximately \$22m after interest (100% of \$5.4m for 4 years).

Local Program Loans/Advance Considerations

- Interest VS Inflation
 - Assume 3% interest on any advance or bonds
 - Inflation (Construction) can be highly variable from year to year
 - Oil prices impact Asphalt costs
 - Market activity – many projects out at once drive up prices
 - Recent trends (prior 2-3 years) have had construction inflation go higher than general inflation (greater than 3%)
 - Assume annual discounting factor of 4.05% based on prior year trends

Year	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Avg.
Asphalt CPI (%)	13	24.1	2.9	30.9	-6.5	2.7	7.5	2.5	0.5	4.5	-4.3	-3.8	-1.7	8.9	3.9	5.7
CA Labor CPI (%)	2.29	3.34	4.06	4.79	3.09	2.38	2.49	1.21	0.62	0.12	1.92	2.75	2.20	2.80	n/a	2.4

Local Program Loans/Advance Considerations (ctd.)

- Resources to Deliver Projects
 - Three year timeframe to SPEND (construction complete)
 - Staffing has limited excess capacity for complicated projects beyond currently programmed projects

- Project Selection
 - If funding is advanced, which projects are prioritized?
 - Suggest relatively straightforward projects such as AC Overlays on priority corridors.

Local Program Loans/Advance Proposal

- Advance through bonding \$1m/year of Local Program allocation for the remainder of Measure R (2020 - 2037)
 - Results in approximately \$10m of funds available toward projects
 - Pay back would reduce annual Local Program allocation from appx. \$5.5m to \$4.5m

Utilize funding on prioritized Farm 2 Market routes

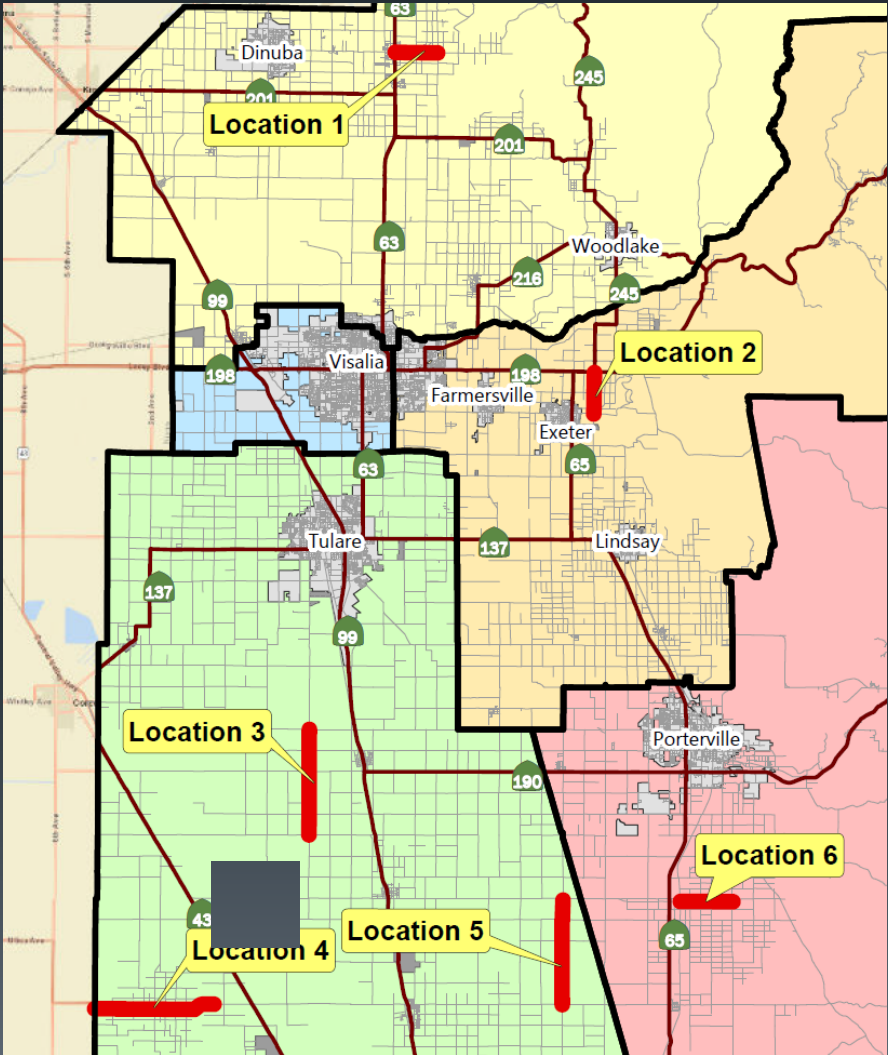
- Perform roadway rehabilitation (maintenance through AC Overlays)
- Proposed locations:

Location	Road Segment	Estimated Cost
1	Avenue 416 from <i>State Route 63</i> to <i>Road 256</i>	\$ 1,000,000
2	Road 204 from <i>Avenue 280</i> to <i>Avenue 296</i>	\$ 1,000,000
3	Road 96 from <i>Avenue 120</i> to <i>Avenue 160</i>	\$ 2,500,000
4	Avenue 54 from <i>County Line</i> to <i>Avenue 56</i>	\$ 2,750,000
5	Road 192 from <i>Avenue 56</i> to <i>Avenue 96</i>	\$ 2,500,000
6	Avenue 95 from <i>Road 236</i> to <i>Road 256</i>	\$1,250,000

Measure R Bonding

Local Program Loans/Advance Proposal

Location	Road Segment
1	Avenue 416 from <i>State Route 63</i> to <i>Road 256</i>
2	Road 204 from <i>Avenue 280</i> to <i>Avenue 296</i>
3	Road 96 from <i>Avenue 120</i> to <i>Avenue 160</i>
4	Avenue 54 from <i>County Line</i> to <i>Avenue 56</i>
5	Road 192 from <i>Avenue 56</i> to <i>Avenue 96</i>
6	Avenue 95 from <i>Road 236</i> to <i>Road 256</i>



As Directed by your Board:

- Coordinate with TCAG for bonding/loan advance
- Return to Board with funding advance agreement – Early 2020
- Prepare and deliver Farm 2 Market Overlays for 2021 Construction as directed
- Initiate Design phase of Avenue 280 (Caldwell) Widening Project – Segments 2 and 3
- Collaborate with City of Exeter on Rocky Hill and Firebaugh Improvements