



Regional Transportation Plan

Solano Fiscally Constrained
Project List



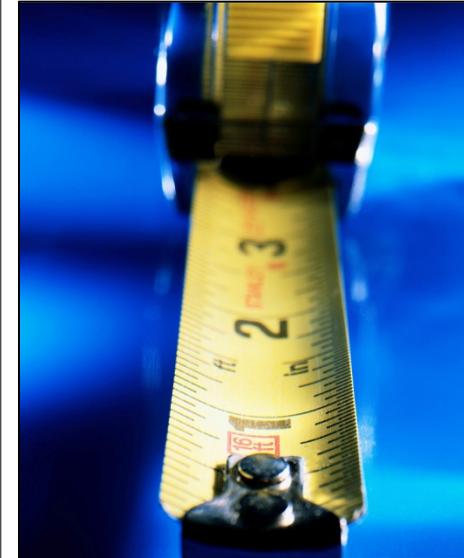
Performance Measures

CLIMATE PROTECTION	1	<p>Reduce per-capita CO₂ emissions from cars and light-duty trucks by 15%</p> <p><i>Statutory - Source: California Air Resources Board, as required by SB 375</i></p>
ADEQUATE HOUSING	2	<p>House 100% of the region's projected 25-year growth by income level (very-low, low, moderate, above-moderate) without displacing current low-income residents</p> <p><i>Statutory - Source: ABAG adopted methodology, as required by SB 375</i></p>
HEALTHY & SAFE COMMUNITIES	3	<p>Reduce premature deaths from exposure to particulate emissions:</p> <ul style="list-style-type: none"> • Reduce premature deaths from exposure to fine particulates (PM_{2.5}) by 10% • Reduce coarse particulate emissions (PM₁₀) by 30% • Achieve greater reductions in highly impacted areas <p><i>Source: Adapted from federal and state air quality standards by BAAQMD</i></p> <p>Associated Indicators</p> <ul style="list-style-type: none"> • Incidence of asthma attributable to particulate emissions • Diesel particulate emissions
	4	<p>Reduce by 50% the number of injuries and fatalities from all collisions (including bike and pedestrian)</p> <p><i>Source: Adapted from California State Highway Strategic Safety Plan</i></p>
	5	<p>Increase the average daily time walking or biking per person for transportation by 60% (for an average of 15 minutes per person per day)</p> <p><i>Source: Adapted from U.S. Surgeon General's guidelines</i></p>



Performance Measures (cont.)

OPEN SPACE AND AGRICULTURAL PRESERVATION	6	<p>Direct all non-agricultural development within the urban footprint (existing urban development and urban growth boundaries)</p> <ul style="list-style-type: none"> Scenarios will be compared to 2010 urban footprint for analytical purposes only. <p><i>Source: Adapted from SB 375</i></p>
EQUITABLE ACCESS	7	<p>Decrease by 10% the share of low-income and lower-middle income residents' household income consumed by transportation and housing</p> <p><i>Source: Adapted from Center for Housing Policy</i></p>
ECONOMIC VITALITY	8	<p>Increase gross regional product (GRP) by 90% – an average annual growth rate of approximately 2% (in current dollars)</p> <p><i>Source: Bay Area Business Community</i></p>
TRANSPORTATION SYSTEM EFFECTIVENESS	9	<ul style="list-style-type: none"> Decrease average per-trip travel time by 10% for non-auto modes Decrease automobile vehicle miles traveled per capita by 10% <p><i>Source: Adapted from Caltrans Smart Mobility 2010</i></p>
	10	<p>Maintain the transportation system in a state of good repair:</p> <ul style="list-style-type: none"> Increase local road pavement condition index (PCI) to 75 or better Decrease distressed lane-miles of state highways to less than 10% of total lane-miles Reduce average transit asset age to 50% of useful life <p><i>Source: Regional and state plans</i></p>



Projects and Programs

- ▶ **35 projects**
 - ▶ 18 require additional investment
 - ▶ 17 fully funded or funded with local impact fees
 - ▶ 9 Transit projects and 1 trail project
 - ▶ 10 regional freeway/roadway projects
 - ▶ 15 local roadway projects
- ▶ **27 Programmatic Categories**
 - ▶ 5 focus on bicycle/pedestrian facilities
 - ▶ Remaining PCs address roadway and transit maintenance, ridesharing services, senior, disabled and paratransit, climate change, and local air quality efforts



Transit and Trails

- ▶ Benicia Park and Ride Sites (W 14th/Military West and First/Military West)
- ▶ Benicia Industrial Park Transit Hub
- ▶ Construct Fairfield-Vacaville train station including passenger platform, overcrossing, undercrossing, park and ride lot and other station facilities, Phases 1 and 2
- ▶ Improve Dixon facilities associated with the Dixon Rail Station:
1) Parkway Boulevard overcrossing, 2) B Street Ped Undercrossing, 3) West A Street Undercrossing
- ▶ Fairfield Transportation Center Expansion - construct additional parking structure to expand from 640 to 1,640 spaces.



Transit and Trails (cont.)

- ▶ Construct new parking garage at the Vacaville Intermodal Station (Phase 2)
- ▶ Curtola Transit Center Expansion - construct parking structure at site of existing surface parking lot to support express bus and rideshare. Net increase of 880 spaces. Phases 1, 2, 3.
- ▶ Construct new Vallejo Baylink Ferry Terminal (includes additional parking and pedestrian access improvements) - Phase B
- ▶ Construct the Vallejo Ferry Maintenance Building, Phases 1, 2 and 3
- ▶ Acquire property and construct pedestrian and bicycle facilities in Cordelia Hills - Sky Valley area



Regional Freeway and Roadway

- ▶ Construct 4-lane Jepson Parkway from Route 12 to Leisure Town Road, including access improvements to the North Gate of Travis Air Force Base.
- ▶ SR 12 Jameson Canyon Improvements
- ▶ Improve I-80/I-680/Route 12 Interchange, including connecting I-680 northbound to Route 12 westbound (Jamieson Canyon), adding connectors and reconstructing local interchanges (Phase I) and including west end of the North Connector and HOV direct connections
- ▶ I-80/I-680/SR-12 Interchange (Alt C Phase I)
- ▶ Rebuild and relocate eastbound Cordelia Truck Scales Facility (includes a new 4-lane bridge across Suisun Creek and new ramps at eastbound Route 12 and eastbound I-80)



Regional Freeway and Roadway (cont.)

- ▶ Provide auxiliary lanes on I-80 in eastbound and westbound directions from I-680 to Air Base Parkway (includes a new eastbound mixed-flow lane from Route 12 east to Air Base Parkway)
- ▶ Westbound I-80 Truck Scale Relocation and Reconstruction
- ▶ SR 12 Corridor Study Improvements
- ▶ Rio Vista Bridge Relocation
- ▶ SR 113 Relocation (north of Midway Road to Robben/I-80)

REGIONAL Express Lanes on I-80 (Al Zampa Bridge to Yolo County Line) & I-680 (Benicia Bridge to I-80), including direct connection lanes and the I-80/I-505 Interchange express connection

REGIONAL Freeway Performance Initiative projects



Local Roadway

- ▶ I-80/West A Street Interchange Improvements - ramp and eventually bridge improvements to increase capacity
- ▶ I-80/Pedrick Road Interchange Improvements - ramp and eventually bridge improvements to increase capacity
- ▶ Local roadway and interchange non-capacity improvements
- ▶ I-505/Vaca Valley Parkway Interim Improvements - widen the southbound offramp at Vaca Valley Parkway, widen Vaca Valley Parkway to provide protected left turn pockets, and signalize the southbound ramp intersection.
- ▶ I-505/Vaca Valley Parkway Interchange - reconstruct existing overcrossing from 2 to 4 lanes plus Class II bike lane; reconstruct ramps to modified cloverleaf design.



Local Roadway (cont.)

- ▶ I-80 California Drive Overcrossing in Vacaville - construct new overcrossing with no freeway connection
- ▶ I-80 Lagoon Valley Road interchange - reconstruct existing overcrossing from 2 to 4 lanes; rebuild ramps
- ▶ American Canyon Road/Hiddenbrook Parkway Operational Improvements
- ▶ Widen Railroad Avenue on Mare Island from 2 lanes to 4 lanes, from G Street to SR 37.
- ▶ Improve Broadway Avenue in the City of Vallejo, between Mini Drive and SR 37; install sidewalk, curb, gutter, ramps, bike lanes, and widen from 2 to 4 lanes.



Local Roadway (cont.)

- ▶ Widen and improve Peterson Road (south gate to Travis AFB) with the addition of a truck-stacking lane (includes drainage improvements)
- ▶ Construct two-lane bridge on Suisun Valley Road at Suisun Creek
- ▶ Local capacity-increasing roadway and interchange projects and transit centers, including Peabody Road (Fairfield to Vacaville), Railroad Avenue (Suisun City) and McCormack/McClosky/Azevedo/Canright roads (County/Rio Vista) and other Solano Routes of Regional Significance
- ▶ Redwood Parkway/Fairgrounds improvements
- ▶ SR-12/Church Intersection - non-capacity improvements to realign existing roadways and add turn lanes; may also include park-and-ride lot. Half of funds from SHOPP



Project Costs

- ▶ The total estimated cost for the identified projects and programs is **\$8.1 billion**
- ▶ Estimated funds already committed to these projects and programs is **\$1.68 billion**
- ▶ Recommended RTP funding is **\$3.36**
- ▶ Identified funding shortfall is **\$3.12 billion**

