



COUNCIL AGENDA: 05-24-11  
ITEM: 6.2

# Memorandum

**TO:** HONORABLE MAYOR AND  
CITY COUNCIL

**FROM:** Dennis Hawkins, CMC  
City Clerk

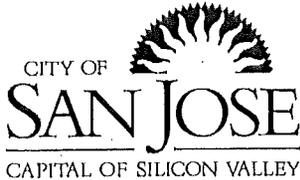
**SUBJECT: VALLEY TRANSPORTATION  
PLAN 2040**

**DATE:** 05-02-11

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## RECOMMENDATION

As recommended by the Transportation and Environment Committee on May 2, 2011 and outlined in the attached memo previously submitted to the Transportation and Environment Committee, accept the Valley Transportation Plan 2040 Report.



# Memorandum

**TO:** TRANSPORTATION AND  
ENVIRONMENT COMMITTEE

**FROM:** Hans F. Larsen

**SUBJECT:** VALLEY TRANSPORTATION  
PLAN 2040 UPDATE

**DATE:** 04-14-11

Approved

*Jennifer Nade obo Ed Shkade*

Date

*4/25/11*

**COUNCIL DISTRICT:** Citywide

## RECOMMENDATION

Accept report on Valley Transportation Plan (VTP) 2040.

## BACKGROUND

The VTP is the long range transportation plan for Santa Clara County and coincides with the development of the Metropolitan Transportation Commission's (MTC) Regional Transportation Plan (RTP). The VTP and RTP align regional funding sources with proposed transportation improvements. Every four years the VTP is updated to identify the programs, projects, and policies the Santa Clara Valley Transportation Authority (VTA) Board and partner cities would like to pursue over the lifetime of the VTP. The VTP connects projects with anticipated funds and lays out a framework for the development and maintenance of the County's transportation system over the next 25 years. The VTP addresses all modes and considers land use planning, air quality, energy use, and community livability.

For the first time the VTP process will tie together regional housing needs allocation (RHNA) and regional transportation planning in an effort to reduce greenhouse gas emissions in accordance with Senate Bill 375. This legislation requires the region to prepare a Sustainable Communities Strategy as part of the RTP. VTA is currently working with all local jurisdictions, including San José, to develop county-level input to Sustainable Communities Strategy and to combine land use and transportation objectives. VTA is currently holding working meetings and community meetings as part of the VTP 2040 process, and will continue to develop the draft lists with the goal of having a completed Draft Plan in the fall of 2012 and final adoption early 2013.

As part of the previous VTP 2035 update, City staff completed an exhaustive analysis and outreach process to determine the City's priority projects to be included in the VTP 2035. VTP 2035, as approved by VTA Board, included 149 total projects completely within the boundaries of San José or in partnership with other jurisdictions. The project list includes Transit, Freeway, Expressway, ITS/Operations, Local Streets, and Bikeway/Trail projects. As part of VTP 2040

update, staff is proposing minor adjustments and updates to the previous list to account for completed projects and changes due to major planning efforts such as the approved San Jose Bike Plan 2020 and the proposed General Plan Update Envision 2040.

## ANALYSIS

Department of Transportation staff has coordinated with other City departments to update the VTP 2035 project list for VTP 2040. Staff is proposing to maintain all VTP 2035, add some new projects, and remove completed projects. The proposed VTP 2040 would be comprised of 174 projects (see Attachment A). The majority of all new projects fall within two categories:

- Bridge replacement and rehabilitation projects Citywide which have been identified as structurally deficient
- Trail projects in alignment with the recently approved Bike Plan 2020

The VTP has a 25-year horizon and is updated every four years. Historically, the City has also established a list of priority projects that guide the City's advocacy efforts for regional transportation funding. This list is included in the City's Traffic Capital Improvement Program and aligns with the City's legislative priorities.

The City's current regional project priority list is provided in Table 1.

Due to limited local and regional funds, the 10-year priority list is not expected to be completed within the 10-year time frame. Any additions or modifications to the City's priority list could be addressed as part of the annual budget process.

## COORDINATION

This memorandum was coordinated with the City Attorney's Office.

/s/

HANS F. LARSEN  
Director of Transportation

For questions please contact Manuel Pineda, Acting Deputy Director, at 975-3295.

Attachment

<b>Table1- Valley Transportation Plan 2035 – San José Priority Projects</b> (Source: Adopted 2011-2015 Traffic Capital Improvement Program)	
<p style="text-align: center;"><u><i>Transit Projects</i></u></p> <p>Airport Area Automated People Mover                      BART Extension to San José                      California High Speed Rail                      Capitol LRT Extension to Eastridge                      Diridon Station Expansion                      Santa Clara/Alum Rock BRT (Funded)</p>	<p style="text-align: center;"><u><i>Local Street Projects</i></u></p> <p>Autumn Parkway Extension                      Branham Lane: Route 87 to Monterey                      Chareot Overcrossing at Route 880                      Coleman Ave Widening: Route 880 to Autumn                      Downtown Couplet Conversions (partially funded)                      Pavement Maintenance                      San José Traffic Management Center (Funded)                      San José Traffic Signal Upgrades (Funded)</p>
<p style="text-align: center;"><u><i>Freeway/Expressway Projects</i></u></p> <p>Montague Expressway Improvements                      Route 101/Blossom Hill Upgrade                      Route 101/Capitol/Yerba Buena Upgrade                      Route 101/Mabury Interchange                      Route 101/Oakland Road Upgrade                      Route 101/Trimble Interchange Upgrade                      Route 101/Tully Interchange Upgrade (Funded)                      Route 101/Zanker Interchange                      Route 280/880/Stevens Creek Upgrade (Partially funded)                      Route 280/Winchester Interchange                      Route 85 Express Lanes                      Route 880 High-Occupancy Vehicle Lanes: N. San José (Funded)</p>	<p style="text-align: center;"><u><i>Bikeway Projects</i></u></p> <p>Almaden Expressway Overcrossing: Near Coleman                      Blossom Hill/Monterey Overcrossing (Funded)                      City-wide On-Street Bikeways                      Coyote Creek Trail: Route 237 to Kelley Park                      Guadalupe River Trail: Route 880 to Alviso (Funded)                      Los Gatos Creek Trail: Downtown Area                      Thompson Creek Trail                      Three Creeks Trail</p>

VTP ID	PROJECT TITLE	TOTAL PROJECT COST (\$MILLIONS)
<b>LOCAL STREETS AND COUNTY ROADS PROJECT LIST</b>		
R19	Autumn Pkwy. Improvement from Union Pacific Railroad to Park Ave	\$33.00
R20	North First St. Core Area Grid Streets	\$61.00
R21	Chynoweth/Thornwood Ave. Extension from Almaden Expwy. to Winfield Blvd	\$20.00
R22	Charcot Ave. Extension Over I-880	\$34.00
R23	Coleman Ave. Widening from I-880 to Taylor St	\$30.00
R24	King Rd. Bridge Replacement and Widening at Penitencia Creek	\$15.00
R25	Branham Ln. Widening from Vista Park Dr. to Snell Ave.	\$10.30
R27	Caltrain Pedestrian Crossing Bridge at Blossom Hill Station	\$2.50
R28	Almaden Rd. Improvement from Malone Rd. to Curtner Ave	\$5.40
R29	Downtown Couplet Conversion Projects	\$22.00
R30	North San Jose Bicycle and Pedestrian Improvements	\$33.00
R31	Snell Ave. Widening from Branham Ln. to Chynoweth Ave	\$4.00
R32	Zanker Rd. Widening from US 101 to Tasman Dr	\$54.00
R33	Branham Ln./Monteey Hwy Grade Crossing Project	\$30.00
R34	Neiman Blvd. Pedestrian Overcrossing at Capitol Expwy	\$8.00
R35	Caltrain Grade Separation at Branham Ln. - Included in R33.	
R36	Senter Rd. Widening from Umbarger Rd. to Lewis Rd	\$5.40
R37	North San Jose Miscellaneous Intersection Improvements	\$29.00
R38	Blrd Ave. Pedestrian Corridor	\$3.00
R39	Park Ave. Improvements from Blrd Ave. to SR87	\$4.10
R40	Oakland Rd. Improvements from 101 to Montague - Phase 2	\$10.00
R41	Auzerals Ave. Bicycle and Pedestrian Improvements from Sunol St. to Race St.	\$1.90
R42	Caltrain Grade Separation at Skyway Dr.	\$25.00
R43	San Carlos St. Bridge Replacement and Widening at Caltrain/ Vasona LRT	\$35.00
RXX	Santa Clara Street Bridge at Coyote Creek Bridge Replacement	\$25.00
RXX	Widen north side of the bridge to add an additional through traffic lane on westbound Brokaw Road	\$20.00
RXX	O'Connor Dr Bridge Replacement	\$25.00
RXX	Alum Rock Falls Rd Bridge replacement	\$25.00
RXX	Noble Bridge replacement	\$20.00
RXX	Winchester Streetscape Improvements I-280 to City limits (Campbell)	\$3.00
RXX	Brokaw Bridge Widening	\$20.00
RXX	Nobel Bridge Replacement	\$20.00
RXX	Multiple Street Streetscape projects per the City's General Plan 2040	\$10.00
<b>BICYCLE/TRAIL PROJECTS</b>		
B13	Almaden Expwy. Bicycle and Pedestrian Overcrossing	\$9.00
B14	Guadalupe River Trail (Montague Expwy. to Alviso)	\$5.00
B15	Los Gatos Creek Trail (Auzerals Ave. to Park Ave.)	\$5.00
B16	Los Gatos Creek Trail (Park to Santa Clara) - Diridon Station Segment	\$7.30
B17	Coyote Creek Trail (Montague Expwy. to Oakland Rd.)	\$7.50
B18	Coyote Creek Trail (Oakland Rd. to Watson Park)	\$8.00

VTP ID	PROJECT TITLE	TOTAL PROJECT COST (\$MILLIONS)
B19	Coyote Creek Trail (Watson Park to Williams St. Park)	\$5.00
B20	Coyote Creek Trail (Williams St. Park to Kelley Park)	\$3.00
B21	Branham Ln of US 101 Bicycle and Pedestrian overcrossing	\$25.00
B61	Blossom Hill - Calero Bikeways	\$0.40
B62	Brokaw - Coleman - Airport Bikeway	\$1.00
B63	Capitol Ave./Capitol Expwy. Bikeway	\$0.30
B64	Charcot Bikeway	\$0.40
B65	Five Wounds Trail (Watson Park to Williams St. Park)	\$20.00
B66	Hedding St. Bikeway	\$0.25
B67	Hwy 237 Bikeway	\$0.40
B68	Monroe Bikeway	\$0.20
B69	Newhall St. Bike/Ped Overcrossing over Caltrain	\$7.00
B70	Park Ave/San Fernando St. San Antonio Bikeway	\$0.30
B71	Penitencia Creek Trail (Coyote Creek- King Rd.)	\$3.75
B72	Thompson Creek Trail: Eastridge Transit Center to Evergreen College	\$6.40
B73	Willow Glen Spur Trail	\$2.50
BXX	Miscellaneous San Jose Bike Plan 2020 projects, including Bike Plan 2020, including bike boulevards and enhanced on-street bikeways.	\$20.00
BXX	Guadalupe River Trail (Virginia Street to Chynoweth Avenue)	\$30.00
BXX	Lower Silver Creek Trail (Coyote Creek to Thompson Creek Trail)	\$30.00
BXX	Highway 87 Bikeway (Curtner Extension and system safety enhancements)	\$15.00
BXX	Calero Creek Trail (Harry Road to Bay Area Ridge Trail)	\$12.00
BXX	Guadalupe Creek Trail (Almaden Expressway to Quicksilver Mines County Park)	\$15.00
BXX	Penitencia Creek Trail (Dorel Drive to Alum Rock Park)	\$10.00
BXX	San Francisco Bay Trail-San Jose (San Tomas Aquino Trail to Coyote Creek Trail)	\$40.00
BXX	Canoas Creek (Highway 87 Bikeway to Highway 85 Light Rail)	\$5.00
BXX	Component Trail (Lower Guadalupe River to North First Street Light Rail)	\$5.00
BXX	Lake Cunningham Trail (Lower Silver Creek to Thompson Creek)	\$7.00
BXX	Guadalupe Creek Trail (West side of the Expressway to Lake Almaden)	\$10.00
BXX	Coyote Creek Trail (William to Phela)	\$5.00
BXX	Edenvale Pedestrian Bridge (Branham to Embedded)	\$25.00
BXX	Five Wounds Trail (280-Berryessa)	\$30.00
BXX	Fisher Creek Trail (Coyote Creek Trail to Coyote Valley / Bay Area Ridge Trail)	\$20.00
<b>TRANSPORTATION SYSTEMS OPERATIONS &amp; MANAGEMENT (ITS) PROJECTS</b>		
S28	Silicon Valley Transportation and Incident Management Center	\$7.50
S29	San Jose Proactive Signal Retiming Program	\$25.00
S31	San Jose Traffic Signal System Upgrades	\$15.00
S32	Downtown San Jose Area Freeway Management System	\$2.00
S33	Downtown San Jose Local Street Advanced Traffic Management System	\$3.00
S34	Downtown San Jose CMS Upgrades	\$1.40
S35	King and Story Rd. Area Advanced Traffic Management System	\$3.00
S36	Silicon Valley ITS Program Upgrades	\$27.00
S38	Silicon Valley TIMC	\$2.00

VTP ID	PROJECT TITLE	TOTAL PROJECT COST (\$MILLIONS)
S39	City of San Jose Red Light Running Enforcement Program	\$2.00
S40	San Jose Traffic Signal Interconnect	\$4.00
S42	Silicon Valley TIMC-Ramp Metering Integration	\$8.00
S44	Monterey Highway ITS	\$4.80
S46	San Jose Emergency Vehicle Preemption System	\$6.60
S47	SVITS Connection to Sunnyvale	\$3.50
S49	Winchester/Stevens Creek Area Advanced Traffic Management System	\$2.00
S50	Eastridge/Evergreen Area Advanced Traffic Management System	\$4.00
S51	Almaden/Blossom Hill Area Advanced Traffic Management System	\$2.00
XX	Saratoga/Moorpark Advanced Traffic Management System	\$2.00
XX	Brokaw-Airport Area Advanced Traffic Management System	\$2.00
XX	SJ Citywide Count and Speed Monitoring System	\$8.00

#### EXPRESSWAY PROJECT LIST

X1	Almaden Expwy. - Widen Coleman to Blossom Hill	\$10.50
X2	Capitol Expwy. - TOS Infrastructure	\$35
X4	Central Expwy. - Convert Measure B HOV lane (De La Cruz Blvd. to San Tomas Expwy.)	\$0.10
X8	Foothill-Loyola Bridge	\$7.00
X9	Lawrence Expwy. - Additional Left Turn Lane at Prospect	TBD
X11	Lawrence Expwy. - Arques Square Loop Grade Separation	\$45.00
X12	Lawrence Expwy. - Expand to Eight Lanes from Moorpark Ave. to South of Calvert Dr.	\$5.20
X13	Montague Expwy. - Eight Lanes from Trade Zone Blvd. to Park Victoria Dr.	\$20.00
X14	Montague Expwy. - Eight Lanes from Ick Mill Blvd. to Trade Zone Blvd.	\$12.00
X15	Montague Expwy. - Trimble Rd. Flyover	\$32.00
X22	Santa Teresa Blvd./Hale Ave. Corridor	\$5.00
N/A	Almaden Expwy. SR 85 Interchange PSR	\$0.40
N/A	Lawrence Expwy. - I-280 Project Study Report	\$1.00
TBD	Montague Expwy. - McCarthy Blvd. Square Loop Interchange	\$37.00

#### HIGHWAY PROJECT LIST

H1	SR 85 Express Lanes: US 101 (South San Jose to Mountain View)	\$72.00
H2	SR 87 Express Lanes: SR 85 to US 101 (Conversion)	\$30.00
H3	US 101 Express Lanes: San Mateo Countyline to SR 85 in Mountain View (Conversion)	\$12.00
H4	US 101 Express Lanes: SR 85 (San Jose) to Cochrane Rd. (Conversion)	\$23.00
H5	US 101 Express Lanes: SR 85 in Mountain View to SR 85 in San Jose (Conversion)	\$90.00
H9	SR 237 Express Lanes: I-880 to Mathilda Ave. (Conversion)	\$20.00
H12	I-280 Express Lanes: Leland Ave. to Magdalena Ave. (Conversion)	\$50.00
H13	I-280 Express Lanes: US 101 to Leland Ave.	\$21.00
H15	I-680 HOV/Express Lanes: Calaveras Blvd. to US 101	\$30.00
H21	SR 85/Cottle Rd. Interchange Improvements	\$5.00
H22	SR 87/Capitol Expwy./Narvaez Ave. Interchange Improvements	\$10.00
H24	US 101/Trimble Rd./De La Cruz Blvd./Central Expwy. Interchange Improvements	\$34.00
H25	HOV lane with ramp metering equipment. US 101/Blossom Hill Rd. Interchange Improvements	\$20.00

VTP ID	PROJECT TITLE	TOTAL PROJECT COST (\$MILLIONS)
H26	US 101/Mabury Rd. Taylor St. Interchange Improvements	\$49.00
H27	US 101 Southbound Auxillary Lane: Great America Parkway to Lawrence Expwy.	\$3.00
H28	US 101/Old Oakland Rd. Interchange Improvements	\$20.00
H30	US 101/Capitol Expwy. Interchange Improvements (Includes new Northbound on-ramp from Yerba Buena Rd.)	\$40.00
H32	US 101 Southbound Auxillary Lane Widening: I-880 to McKee	\$9.00
H34	US 101 Ramp Metering Facilities: 10th St	\$7.00
H42	US 101 Ramp Metering Facilities: Balley Ave.	\$4.00
H44	US 101 Ramp/Intersection Improvements: Southbound Ramp at 10th St.	\$3.00
H46	US 101 TOS Improvements	\$35.00
H47	US 101/Hellyer Ave. Interchange Improvements	\$14.00
H48	US 101/Zanker Rd./Skyport Dr/Fourth St. Interchange Improvements	\$90.00
H64	SR 237 Eastbound Auxillary Lane between Zanker - Rd. and North First St.	\$7.00
H66	SR 237/North First St. Interchange Improvements	\$2.00
H70	I-280 Northbound Winchester Blvd. Interchange Improvements	TBD
H71	I-280 Downtown Access Improvements between 3rd St. and 7th St.	\$25.00
H72	I-880/Montague Expwy. Interchange Improvement	\$12.00
H73	I-880/I-280/Stevens Creek Blvd. Interchange Improvements	\$64.00
H74	I-880 Widening for HOV Lanes from SR 237 to Old Bayshore	\$95.00
H75	I-880 Northbound Auxillary Lane-Coleman Ave. to First St.	\$13.00
H76	I-880 HOV/Express lanes: US 101 to I-280	\$160.00
H78	I-880 Southbound Auxillary Lane - First St. to Coleman Ave.	\$17.00
H79	SR 237 Westbound Auxillary Lane between Coyote Creek Bridge and North First St.	\$17.00
H80	US 101 Northbound Auxillary Lane Widening: I-880 to McKee	\$10.00
H82	SR 85 Northbound Auxillary Lanes from North of Winchester Blvd. to Saratoga Ave.	\$18.00
H85	I-680/Montague Expwy. Interchange Improvement	\$18.00
H87	US 101 Auxillary Lane widening. Trimble Rd. to Montague Expwy.	\$12.00
H88	SR 85 Northbound Auxillary Lanes from Stevens Creek Blvd. to Saratoga/ Sunnyvale Road	\$15.00
H89	I-280 Northbound Saratoga Ave. - Connect Auxillary Lanes to Complete Fourth Lane	\$20.00
H90	SR 85 Southbound Auxillary Lanes from North of Winchester Blvd. to Saratoga Ave.	\$18.00
H91	US 101 Southbound Braided Ramps between Capitol Expwy. and Yerba Buena Rd.	\$24.00
H97	US 101 Northbound Braided Ramps between Capitol Expwy. and Yerba Buena Rd.	\$24.00
H98	SR 85 Northbound/Southbound Auxillary Lanes from Saratoga- Sunnyvale Rd. to Saratoga Ave.	\$37.00
H103	US 101/Coyote Valley Parkway Interchange	\$25.00
H104	I-680 Northbound/Southbound Auxillary Lanes from McKee Rd. to Berryessa Rd.	\$53.00
H105	I-880/US 101 Interchange Improvements	\$100.00
HXX	280/Senter Rd.	TBD
HXX	SB101 to SB87 lane addition	TBD
<b>TRANSIT PROJECTS</b>		
T1	Additional Measure A Operating and Capital Needs	\$1,954.00
T2	ACE Upgrade	\$24.00
T3	BART to Milpitas, San Jose and Santa Clara	\$6,172.00
T4A	Bus Rapid Transit - El Camino BRT	\$207.00

VTP ID	PROJECT TITLE	TOTAL PROJECT COST (\$MILLIONS)
T4B	Bus Rapid Transit - Stevens Creek BRT	\$127.00
T5A	Caltrain Electrification Tamien to San Francisco	\$222.00
T5B	Caltrain Electrification Gilroy to Tamien	\$123.00
T6	Caltrain Service Upgrades	\$203.00
T7	Caltrain - South County	\$86.00
T8A	Santa Clara/Alum Rock Phase I: BRT	\$128.00
T8B	Santa Clara/Alum Rock Phase II: LRT	\$265.00
T8C	Capitol Expwy. LRT	\$334.00
T8D	Nieman LRT Extension	\$137.00
T8E	Monterey Hwy BRT	\$87.00
T12	Mineta San Jose International Airport APM Connector	\$264.00
T14	ZEB Demonstration Program	\$20.00
T15	ZEB Facilities Program	\$78.00
T17	North San Jose Transit Enhancements	\$35.00