



Date: December 7, 2011
 Current Meeting: December 16, 2011
 Board Meeting: January 5, 2012

BOARD MEMORANDUM

TO: Santa Clara Valley Transportation Authority
 Congestion Management Program & Planning Committee

THROUGH: General Manager, Michael T. Burns

FROM: Chief CMA Officer, John Ristow

SUBJECT: VTP 2040 Project Lists

Policy-Related Action: Yes

Government Code Section 84308 Applies: No

ACTION ITEM

RECOMMENDATION:

1. Approve a revenue strategy for the Valley Transportation Plan 2040 (VTP 2040);
2. Approve the Capital Program Funding Program Area Allocation;
3. Approve the financially constrained project lists to be submitted to the Metropolitan Transportation Commission for the inclusion in the Regional Transportation Plan.

BACKGROUND:

As the Congestion Management Agency (CMA) for Santa Clara County, VTA is in the process of developing the countywide, long-range transportation plan: Valley Transportation Plan (VTP) 2040. This is an update to VTP 2035 adopted by the VTA Board of Directors in February 2009. The VTP provides a framework for making key transportation decisions, serves as a plan for investing in our transportation system, and provides strategic direction for VTA's involvement in land use and other livability issues. VTP projects and programs also serve as VTA's input to the Regional Transportation Plan (RTP). The next RTP is scheduled for adoption by the Metropolitan Transportation Commission (MTC) in April 2013.

DISCUSSION:

As part of the overall process of project inclusion in the RTP, in May 2011 the VTA Board submitted a financially unconstrained list of projects at the May 2011 meeting. At the time of submittal, it was understood that the Board would need to submit financially constrained project lists when more refined fund estimates became available. In late October 2011, MTC requested

the Bay Area CMAs develop constrained project lists and provide those to MTC by December 2011. Due to the compressed timeline VTA will provide the draft constrained lists to MTC in December and provide any corrections in January that may come from Board action in early January 2012.

1. Fund Estimates and Revenue Strategy

The financially constrained project lists contain projects that can be funded within the 2040 horizon based on projected revenue. As the first step in developing the constrained project lists, revenue needs to be projected based on available information and reasonable assumptions. In July 2011, MTC provided all Congestion Management Agencies county-level draft fund estimates for developing preliminary project lists. This fund estimate was used as the starting point to develop the constrained project lists. VTA staff then adjusted the fund estimate using local sources that fit into specific program areas, as shown in Attachment A. Staff further recommends augmenting and adjusting the base MTC fund estimate with additional funding sources that staff reasonably believes would be available to Santa Clara County over the next 28 years. Revenue for transportation projects in Santa Clara County from all fund sources is estimated to be roughly \$11 billion over the 28-year plan period, from 2013 to 2040. This fund estimate provides the basis of the financially constrained project lists and will be used to determine the fund sources for the VTP document.

The revenue sources include base sources such as existing State and Federal discretionary grants, and our current locally generated funding such as Santa Clara County's existing sales taxes, city transportation improvement funds ("developer fees") and the new 2010 Measure B Vehicle Registration fee. Augmented revenue sources include revenue from future Express Lanes, future tolls from the State Route 152 Corridor, future Federal participation in Bus Rapid Transit and rail expansions, new City and County transportation impact fees, and a reasonable share of any new funding that comes to the Bay Region through High Speed Rail or other revenue controlled or influenced by MTC. The augmented revenue is not currently recognized by MTC and will require VTA advocacy. However, staff believes the basis for the assumptions are sound, is consistent with MTC's formal actions, and is key to continuing several significant voter and Board approved transportation programs in this planning cycle.

2. Capital Program Funding Program Area Allocation

Attachment A shows the fund estimates and program area allocations. This provides the basis for establishing the upper funding limit of the financially constrained capital project lists. For organizational purposes, revenues for capital projects are presented in three main areas: Transit, Highways, and Local System. The program areas were used to match the funding source with the project where appropriate and will be used as an advocacy piece to show the overall transportation funding needs of Santa Clara County.

As the VTP is developed, a similar table will be provided to illustrate the needs and revenue for operating and maintenance (O&M) purposes. The O&M table will include shortfalls and needs for the local streets and roads pavement maintenance, highway operations, transit operations and maintenance, transit vehicle replacement, and landscape/graffiti. The intent of the O&M table is to provide a basis for an advocacy piece to identify the full needs of Santa Clara County in order to operate and maintain a complete transportation system.

3. Constrained Project Lists

In order to match the program areas, projects were grouped into the three main categories: Transit, Highways, and Local System. The Transit category includes Light Rail, Bus, Heavy Rail, and Bus Rapid Transit projects. The Highway category relates to all Freeway improvements and Express Lane development. The Local System category relates to all County Expressway projects, local streets and roads, and Multimodal Transportation Investments. The last category includes bicycles, Intelligent Transportation System, safety improvements, and the Community Design for Transportation.

In developing the constrained project lists, VTA staff contacted its Member Agencies to determine which projects would move forward to the constrained piece of the plan. The project lists and the fund estimates will be reviewed by the Technical Advisory Committee's working groups prior to the advisory committee meetings. VTA staff will also hold public workshops before the VTA Board's action in January 2012.

The Capital Program Funding Program Area Allocation Fund Estimate (Attachment A) and the Constrained Project Lists (Attachment B) will be forwarded to the Advisory Committees under a separate cover.

Staff is seeking the Board's direction on its revenue strategy and constrained project lists. In addition, input from the public, Member Agencies and other stakeholders will help guide this decision-making process. With this plan, VTA and its project development partners can continue to work together to aggressively seek and secure transportation funding and deliver projects.

ALTERNATIVES:

The Board may recommend modifications to the revenue strategy, the Capital Program Funding Program Area Allocation, or the Financially Constrained VTP 2040 project lists.

FISCAL IMPACT:

There is no direct fiscal impact from the adoption of the VTP 2040 project list and fund estimates. However, projects must be included in the VTP 2040 as a pre-requisite for eligibility to receive federal, state, regional, and local discretionary fund programming.

Prepared by: John Sighamony
Memo No. 3401

Attachment A - Funding program area allocation - Capital Program

All Costs in 2013 \$ Millions

Revised 12/5/11

Admin DRAFT - for Review

PROGRAM AREAS	FEDERAL NEW STARTS	SMALL STARTS	MEASURE A and RENEWAL	2000 TCRP	PROP. 1A & 1B	HIGH SPEED RAIL	RTIP	ITIP	CMAQ	TE+TFCA+TDA	EXPRESS LANE/TOLL REVENUES	LOCAL TIF COMMITTED	LOCAL ANTICIPATED UNSPECIFIED	REGIONAL ANTICIPATED UNSPECIFIED	MEASURE B VEHICLE REGISTRATION FEE	FREEWAY PERFORMANCE INITIATIVE	SUBTOTAL
TRANSIT																	
VTA	\$ 2,900	\$ 300	\$ 3,323	\$ 159	\$ 119		\$ 89				\$ 350	\$ 35	\$ 427				\$ 7,702
Caltrain/ACE/HSR			\$ 34	\$ 17	\$ 26	\$ 150											\$ 227
Transit Subtotal	\$ 2,900	\$ 300	\$ 3,357	\$ 176	\$ 145	\$ 150	\$ 89				\$ 350	\$ 35	\$ 427				\$ 7,929
HIGHWAYS																	
Express Lanes/Toll Roads								\$ 25			\$ 2,257						\$ 2,282
Highways						\$ 587	\$ 246					\$ 144			\$ 100		\$ 1,077
Highway Subtotal						\$ 587	\$ 271				\$ 2,257	\$ 144		\$ -	\$ 100		\$ 3,359
LOCAL SYSTEM																	
County Expressways						\$ 148					\$ 120						\$ 268
Local Street & Roads						\$ 240					\$ 283	\$ 258					\$ 781
Multimodal Transportation Investments								\$ 252	\$ 254		\$ 35	\$ 192		\$ 71	\$ 200		\$ 1,004
Local System Subtotal						\$ 388		\$ 252	\$ 254		\$ 438	\$ 450		\$ 71	\$ 200		\$ 2,053
SUBTOTAL	\$ 2,900	\$ 300	\$ 3,357	\$ 176	\$ 145	\$ 150	\$ 975	\$ 271	\$ 252	\$ 254	\$ 2,607	\$ 617	\$ 877	\$ -	\$ 71	\$ 300	\$ 13,252

Notes on Program Areas:

- Caltrain/ACE/HSR: Capital improvements and station area improvements for Caltrain, Altamont Commuter Express or High Speed Rail
- Multimodal Transportation Investments subcategory includes Community Design and Transportation (CDT), Bicycle Expenditure Program (BEP), Intelligent Transportation Systems (ITS), Vehicle Emissions Reductions Based at Schools (VERBS) and other multimodal programs. Further discussions will be required to determine these subcategories.

Notes on Fund Sources:

- Federal New/Small Starts: the current Federal grant toward the SVRT Phase 1 project and future Federal participation in Bus Rapid Transit and rail expansions
- Measure A and Renewal: the ½ cent Measure A sales tax and the assumed renewal starting 2036
- 2000 TCRP: traffic Congestion Relief Program
- High Speed Rail: a reasonable share of additional fund sources associated with the High Speed Rail project
- RTIP: Regional Transportation Improvement Program based on MTC estimates
- ITIP: Interregional Transportation Improvement Program
- CMAQ: Congestion Mitigation and Air Quality based on MTC estimates
- TE+ TFCA+ TDA: the total estimated amount of the Transportation Enhancements, Transportation Fund for Clean Air, and Transportation Development Act programs based on MTC estimates
- Express lane/toll revenues: toll revenue from future Express Lanes and the State Route 152 Corridor
- Local TIF Committed: local transportation improvement funds (“developer fees”) that are already committed to specific improvements
- Local Anticipated Unspecified: new City and County transportation impact fees and other locally generated revenues
- Regional Anticipated Unspecified: a reasonable share of any new funding that comes to the Bay Region influenced by MTC
- Measure B Vehicle Registration fee: 2010 Measure B Vehicle Registration fee. The 15% assigned for the regional program is included.
- Freeway Performance Initiative: a reasonable assumption of the amount that will be available for Santa Clara County projects from this regional program

Transit

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Preliminary Financially Constrained Project List

Sponsor	RTP ID	Transit Projects	Cost (2013 \$M)
<i>BART to Milpitas/Santa Clara</i>			
VTA	240374	Phase I - SVBX	\$2,400
	240375	Phase II - SVSX	\$3,605
<i>Bus Rapid Transit</i>			
	240119	El Camino BRT	\$230
VTA	240118	Stevens Creek BRT	\$151
	240117	Santa Clara/Alum Rock Phase I: BRT	\$128
	240159	King Road Bus Rapid Transit	\$60
<i>Light Rail</i>			
	240591	Capitol Expressway LRT Phase I	\$53
	22956	Capitol Expressway LRT Phase II	\$276
VTA	98119	Vasona Light Rail Extension	\$176
	240512	Guadalupe Express Improvements	\$22
	240518	Tasman Express Long T	\$49
	240519	North First Speed Improvements	\$9
<i>Caltrain</i>			
Caltrain	21627	Caltrain Electrification Tamien to San Francisco	\$33
JPB	21760	Caltrain - South County	\$28
	240063	Caltrain Terminal Station Improvement: San Jose Diridon Station	\$150
VTA	21790	ACE Upgrade	\$16
San Jose	240603	North San Jose Transit Improvements	\$35
VTA	21922	Mineta San Jose International Airport APM Connector	\$508
San Jose			
Total Constrained Transit Projects			\$7,929

Highways and Express Lanes / Toll Facilities DRAFT - For Discussion Only

Preliminary Financially Constrained Project List

RTP ID	Route	Express Lanes / Toll Facilities Projects	Cost (2013 \$M)
240439	SR 85	SR 85 Express Lanes: US 101 (South San Jose to Mountain View)	\$181
240464	SR 87	SR 87 Express Lanes: SR 85 to US 101	\$35
240466	US 101	Convert existing HOV lanes to express lanes on US 101 from Whipple Avenue in SMC to Cochrane Road in Morgan Hill	\$465
240481	SR 237	SR 237 Express Lanes: North First Street to Mathilda Avenue	\$20
240477	SR 237	SR 237 Express Lanes: Mathilda Avenue to SR 85	\$81
22042	I-680	I-680 NB Express Lane: Calaveras Boulevard to Alameda County line	\$36
240484	I-880	I-880 Express Lanes: Alameda County line to US 101	\$23
240485	US 101	US 101 Express Lanes: Cochrane Road to Masten Avenue	\$107
240491	US 101	US 101 Express Lanes: Masten Avenue to 10th Street	\$68
240492	US 101	US 101 Express Lanes: 10th Street to SR 25	\$50
240513	I-280	I-280 Express Lanes: Leland to Magdalena	\$58
240514	I-280	I-280 Express Lanes: US 101 to Leland	\$25
240515	I-280	I-280 Express Lanes: SB El Monte to Magdalena	\$14
240482	I-680	I-680 Express Lanes: Calaveras Boulevard to Montague Expwy	\$20
240517	I-880	I-880 Express Lanes: US 101 to I-280	\$186
240469	SR 17	SR 17 Express Lanes	\$30
240516	I-680	I-680 Express Lanes: Montague Expwy to US 101	\$35
230294	SR 152	New SR 152 Alignment: SR 156 to US 101	\$848
Express Lanes Projects Total			\$2,282

RTP ID	Route	Highways	Cost (2013 \$M)
240570	US 101	Double Lane SB US 101 off-ramp to SB SR 87	\$1
230407	SR 17	SR 17 SB/Hamilton Avenue Off-ramp Widening	\$1
21714	US 101	US 101 Widening from Monterey St. to SR 129	\$246
22156	SR 85	SR 85 Northbound to Eastbound SR 237 Connector Ramp and NB SR 85 Aux Lane	\$30
230574	SR 85	SR 85/Cottle Rd Interchange Improvements	\$6
230425	SR 87	SR 87/Capitol/Narvaez Interchange Improvements	\$12
230262	US 101	Montague Expressway & US 101 Interchange Improvements	\$17
21722	US 101	US 101 SB/Trimble Road/De La Cruz Boulevard/Central Expressway Interchange Improvements	\$39
21785	US 101	US 101/Blossom Hill Road Interchange Improvements	\$23
22965	US 101	US 101/Mabury Road/Taylor Street Interchange Improvements	\$57
230492	US 101	US 101/Old Oakland Road Interchange Improvements	\$23
21786	US 101	US 101/Hellyer Avenue Interchange Improvements	\$16
22979	US 101	US 101/Zanker Road/Skyport Drive/Fourth Street Interchange Improvements	\$104
21702	US 101	US 101/Buena Vista Avenue Interchange Improvements	\$31

Attachment B: Preliminary Financially Constrained Project List

RTP ID	Route	Highways	Cost (2013 \$M)
22164	SR 237	SR 237 Westbound On-ramp at Middlefield Road	\$13
240554	SR 237	SR 237/Mathilda Avenue & US 101/Mathilda Avenue Interchange Improvements	\$17
230532	SR 237	SR 237/North First Street Interchange Improvements	\$2
22010	I-280	I-280 Northbound - Second Exit Lane to Foothill Expressway	\$2
230363	I-880	I-880/Montague Expressway Interchange Improvement	\$14
230573	SR 85	Fremont Avenue Improvements at SR 85	\$3
240532	SR 152	SR 152 Ramp/Intersection Improvements	\$10
230580	SR 237	SR 237/El Camino Real/Grant Road Intersection Improvements	\$5
21704	I-280	I-280 Downtown Access Improvements between 3rd Street and 7th Street	\$29
240611	SR 85	SR 85/ El Camino Real I/C Improvements	\$23
230370	I-680	I-680/Montague Expressway Interchange Improvement	\$26
240436	US 101	US 101 Southbound Improvements: San Antonio Road to Charleston Road/Rengstorff Avenue	\$22
240441	US 101	US 101/Oregon Expwy./Embarcadero Rd. Improvements	\$55
240468	SR 237	SR 237 WB to SB SR 85 Connector Ramp Improvements (including SR 85 auxiliary lanes between El Camino Real & SR 237)	\$40
240473	I-280	I-280 Northbound Braided Ramps between Foothill Expressway and SR 85	\$44
240671	I-280	I-280/Senter Road Interchange	\$50
	All	Sound walls	\$15
	All	Highway TOS	\$100
Total Highway Projects			\$1,077
Total Constrained Highway and Express Lanes Projects			\$3,359

Local Streets and County Roads**DRAFT - For Discussion Only**

Preliminary Financially Constrained Project List

Sponsor	RTP ID	Local Streets and County Roads Projects	Cost (2013 \$M)
Campbell	240376	Hacienda Ave. Improvements	\$3.8
Cupertino	240377	McClellan Rd. Widening	\$2.8
Gilroy	240379	Gilroy Orbital Concept (NW Quad)	\$9.9
	240385	Tenth Street Bridge Project	\$16.2
Los Gatos	240398	Los Gatos Blvd. Widening	\$6.4
Milpitas	240404	Calaveras Blvd. Widening	\$81.1
	240405	Dixon Landing Rd./North Milpitas Blvd. Intersection Improvements	\$3.5
Morgan Hill	240408	Butterfield Blvd. Extension	\$1.2
	240412	Butterfield Blvd. South Extension	\$21.8
	240411	Santa Teresa Blvd. Improvements	\$11.8
Mountain View	230332	Rengstorff Avenue Grade Separation	\$71.0
	240414	Miramonte Ave./Park Dr. & Gladys Dr./Easy St. Intersection Improvements	\$0.6
Palo Alto	240506	El Camino Real Regional Corridor Improvements: PAMF to Churchill Ave	\$4.6
	240507	Middlefield Rd - Midtown Corridor Improvements	\$2.3
San Jose	230300	Autumn Pkwy. Improvement from Union Pacific Railroad to San Carlos	\$38.3
	230645	North First St. Core Area Grid Streets	\$70.7
	240636	Chynoweth/Thornwood Ave. Extension from Almaden Expwy. to Winfield Blvd.	\$16.4
	230449	Charcot Ave. Extension Over I-880	\$30.0
	230201	Coleman Ave. Widening from I-880 to Taylor Street	\$15.0
	230452	Downtown Couplet Conversions	\$25.5
	230456	Zanker Rd. Widening	\$62.6
	230466	Branham Ln./Monterey Hwy Grade Crossing Project	\$34.8
	230644	North San Jose Miscellaneous Intersection Improvements	\$33.6
	230457	Oakland Rd. Improvements from 101 to Montague	\$11.6
	230638	Caltrain Grade Separation at Skyway Dr.	\$35.0
	230637	San Carlos St. Bridge Replacement and Widening at Caltrain/ VasonaLRT	\$10.9
	240498	Widen north side of the bridge to add an additional through traffic lane on westbound Brokaw Road	\$23.2
	Santa Clara	230445	Great America Pkwy/Mission College Blvd. Intersection Improvements
240425		El Camino Real/Lafayette St. Improvements	\$1.2
Saratoga	240430	Prospect Rd. Median Project	\$2.3
Sunnyvale	240443	Mary Ave. Extension	\$67.2
	22878	Lawrence Expwy./Wildwood Ave. Realignment & Signalization	\$5.8
	230471	Sunnyvale Local Street Improvements	\$17.0
County	230235	Center Ave and Marcella Ave 2-lane connection	\$3.3
	22809	DeWitt Ave/Sunnyside Ave Realignment at Edmunsen Ave.	\$7.7
	22118	Hill Rd Extension from East Main Ave to Peet Rd.	\$9.3
	230234	Marcella Ave Two-Lane Realignment	\$7.0
	22932	Watsonville Rd Center Turn Lane	\$8.1
Total Constrained Local Streets and County Roads			\$781.0

Expressways

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Preliminary Financially Constrained Project List

RTP ID	Expressways Projects	Cost (2013 \$M)
22175	Almaden Expwy – Widen Coleman to Blossom Hill	\$12.2
22180	Central Expwy – Auxiliary lanes between Mary Ave and Lawrence Expwy	\$19.7
22839	Central Expwy – Convert Measure B HOV lane between De La Cruz Blvd and San Tomas Expwy	\$0.1
22179	Central Expwy – Six lanes from Lawrence Expwy to San Tomas Expwy	\$15.8
22814	Foothill Expwy – Extend deceleration lane at San Antonio Rd	\$0.8
22873	Foothill Expwy – Loyola Bridge	\$8.1
230246	Lawrence Expwy – Additional left turn lane at Prospect	\$3.0
22883	Lawrence Expwy – Close median, right in/out	\$1.7
230356	Lawrence Expwy – Arques Square Loop Grade Separation	\$52.2
22843	Lawrence Expwy – Expand to eight lanes from Moorpark Ave to south of Calvert Dr.	\$6.0
230267	Montague Expwy – Eight lanes from Lick Mill Blvd to Trade Zone Blvd	\$13.9
230269	Montague Expwy – Trimble Rd Flyover	\$37.1
230273	Montague Expwy – Eight lanes from Trade Zone Blvd to I-680	\$15.3
230265	Montague Expwy – Mission College Blvd At-Grade Improvements	\$5.7
22854	Oregon Expwy/Page Mill Rd – I-280 Page Mill Rd Modification	\$7.7
22895	San Tomas Expwy – SR 17/San Tomas Expwy Improvements	\$3.0
230210	San Tomas Expwy – Box Culvert	\$15.3
22186	San Tomas Expwy – Eight lanes between Williams Rd and El Camino	\$47.2
	Lawrence Expwy - Ramp Improvements at SR 237	\$2.9
Total Constrained Expressway Projects		\$267.7

MTI (Multimodal Transportation Investment)**DRAFT - For Discussion Only**

Preliminary Financially Constrained Project List

Sponsor	RTP ID	Local System Projects	Cost (2013 \$M)
Campbell	240509	Los Gatos Creek Trail Expansion on West Side (Hamilton to Campbell)	\$2.9
	240509	Widen Los Gatos Creek Trail on East Side (Camden to Campbell)	\$0.3
	240509	San Tomas Aquino Creek Trail: Westmont High School to Virginia	\$1.7
	240509	Portals Project: Bike Lanes on Campbell Avenue at SR 17	\$4.6
	240494	Hamilton Ave. Intelligent Transportation Systems	\$0.5
	240494	Citywide Traffic Signal System Upgrade	\$0.3
	240494	Winchester Blvd. Intelligent Transportation System	\$0.5
	240494	Reactivation of Traffic Count Stations	\$0.1
Gilroy	240509	Western Ronan Channel SCVWD Service Road Trail	\$3.1
	240509	Gilroy Sports Park Trail	\$5.6
	240509	Lions Creek SCVWD Service Road Trail: West of Kern Ave. between Kern and Day	\$2.2
	240509	Lions Creek SCVWD Service Road Trail: West of Santa Teresa Blvd. (Between Tapestry and ST/ Day Rd east)	\$0.7
	240509	Northern Uvas Creek SCVWD Service Road Trail	\$2.2
	240494	City of Gilroy Adaptive Traffic Control System	\$1.1
	240494	City of Gilroy Event Management System	\$1.1
	240494	City of Gilroy Traffic Signal System Upgrade	\$4.7
	240494	City of Gilroy Flood Watch Camera Installations	\$0.6
	240494	ITS Enhancements on Santa Teresa Blvd.	\$2.4
	240494	10th St. and Downtown Signals Upgrade	\$1.8
	240494	SR 152 Signal System Upgrade	\$2.8
	240494	Gilroy Community Bus Signal Priority	\$0.5
	240494	Gilroy Other Signal Upgrade	\$1.2
240494	Gilroy Downtown Parking Management System	\$0.4	
Los Altos	240509	Miramonte Ave. Bikeway Improvement	\$1.6
	240509	Stevens Creek Link Trail	\$3.5
Los Altos Hills	240509	El Monte Rd. from Stonebrook to Voorhees Segment 4	\$0.3
Los Gatos	240509	Los Gatos Creek Trail Connector to SR 9	\$1.2
	240494	Town of Los Gatos Traffic Signal System Upgrade	\$0.4
Milpitas	240509	Montague Expwy Bike/Ped Overcrossing	\$18.6
	240403	Dixon Landing Road Pedestrian and Bicycle Improvements	\$6.6
	240494	South Milpitas Blvd. SMART Corridor	\$0.6
Morgan Hill	240494	Citywide Traffic Signal Operation Center	\$1.6
	240494	Citywide Wireless Vehicle Detection System Installation	\$1.1
Mountain View	240509	Stevens Creek Trail Reach 4 Segment 2: Dale/Heatherstone to Mountain View High School	\$13.9
	240509	Stevens Creek Trail/Middlefield Rd. North Side Access	\$0.8
	240509	Stevens Creek Trail/Landels School Trailhead	\$0.7
	240509	Citywide Traffic Signal Upgrade and IP Traffic Signal Access	\$3.0

Attachment B: Preliminary Financially Constrained Project List

Sponsor	RTP ID	Local System Projects	Cost (2013 \$M)
	240509	Shoreline Blvd. Adaptive Traffic Signals	\$2.0
	240509	Rengstorff Ave. Traffic Signal Improvements	\$1.6
Palo Alto	240509	Bicycle Boulevards Network Project	\$5.8
	240509	California Ave. Caltrain Undercrossing: ADA Retrofit/Reconstruction	\$15.1
	240509	US 101/Adobe Creek Ped/Bicycle Grade separation	\$10.9
	230385	Palo Alto Smart Streets	\$4.6
	240494	Citywide Traffic Signal System Upgrade	\$2.2
	240494	Citywide Traffic Signal CCTV/Emergency Vehicle Preemption Project	\$1.7
San Jose	240509	Almaden Expwy. Bicycle and Pedestrian Overcrossing along Guadalupe River Trail alignment	\$9.8
	240509	Los Gatos Creek Trail (Auzerais Ave. to Park Ave.)	\$5.8
	240509	Los Gatos Creek Trail (Park to Santa Clara): Diridon Station Segment	\$8.5
	240509	Coyote Creek Trail (Montague Expwy. to Oakland Rd.)	\$8.7
	240509	Coyote Creek Trail (Oakland Rd. to Watson Park)	\$8.7
	240509	Coyote Creek Trail (Watson Park to Williams St. Park)	\$5.8
	240509	Coyote Creek Trail (Williams St. Park to Kelley Park)	\$3.3
	240509	Branham Lane: Edenvale Bicycle / Pedestrian Overcrossing and Bike Trails (US 101 & Coyote Creek)	\$27.3
	240509	Blossom Hill: Calero Bikeways-at Coleman Rd to Palmia Dr at Cottle Rd	\$0.4
	240509	Brokaw - Coleman Airport Bikeway	\$1.2
	240509	Capitol Ave./Capitol Expwy. Bikeway from Penitencia Creek Rd/Trail to Quimby Rd	\$0.3
	240509	Charcot Bikeway: from Orchard Pkwy to Hwy 880	\$0.5
	240509	Five Wounds Trail: Watson Park to Williams St. Park - Alum Rock BART Station Segment	\$21.9
	240509	Hwy 237 Bikeway on & off-road from Grt America Parkway to Zanker	\$0.5
	240509	Monroe Bikeway: Newhall St to Hwy 17 POC at Daniel Way / Westfield Ave.	\$0.2
	240509	Park Ave/San Fernando St. San Antonio Bikeway	\$0.3
	240509	Penitencia Creek Trail: Coyote Creek- King Rd.	\$4.3
	240509	Thompson Creek Trail: Tully Rd to County Limit	\$7.4
	240509	Three Creeks Trail from Lonus Street to Coyote Creek (formerly Willow Glen Spur Trail)	\$2.9
	22246	Caltrain Pedestrian Crossing Bridge at Blossom Hill Station	\$2.9
	230641	North San Jose Bike and Ped Improvements	\$35.0
	230643	Neiman Blvd. Pedestrian Overcrossing at Capitol Expwy.	\$9.3
	230642	Bird Ave. Pedestrian Corridor	\$3.5
	240497	Auzerais Ave. Bicycle and Pedestrian Improvements from Sunol St. to Race St.	\$2.2
	230466	Caltrain Grade Separation at Branham Ln. (included in 230446)	\$0.0
	240494	San Jose Proactive Signal Retiming Program	\$30.0
	240494	San Jose Transportation Communications Network Enhancements	\$0.0
	240494	San Jose Traffic Signal System Upgrades	\$15.0
	240494	Downtown San Jose Area Freeway Management System	\$2.4
	240494	Downtown San Jose Local Street Advanced Traffic Management System	\$3.6

Attachment B: Preliminary Financially Constrained Project List

Sponsor	RTP ID	Local System Projects	Cost (2013 \$M)
San Jose	240494	Downtown San Jose CMS Upgrades	\$1.8
Continued	240494	King Rd/Story Rd. Area Advanced Traffic Management System	\$3.6
	240494	Silicon Valley ITS Program Upgrades	\$32.5
	240494	Silicon Valley TiMC - San Jose Police Department Integration	\$2.4
	240494	City of San Jose Red Light Running Enforcement Program	\$0.6
	240494	San Jose Traffic Signal Interconnect	\$4.8
	240494	SVITS Hybrid Analog/Digital Video System	\$0.2
	240494	Silicon Valley TiMC - Ramp Metering Integration	\$9.6
	240494	Monterey Highway ITS	\$5.8
	240494	San Jose Emergency Vehicle Preemption System	\$8.2
	240494	SVITS Connection to Sunnyvale	\$4.2
	240494	Winchester /Stevens Creek Area Advanced Traffic Mgmt System	\$2.4
	240494	Eastridge/Evergreen Area Advanced Traffic Mgmt System	\$4.8
	240494	Almaden/Blossom Hill Area Advanced Traffic Mgmt System	\$2.4
Santa Clara	240509	San Tomas Aquino Creek Spur Trail	\$2.3
	240494	Santa Clara Communications Network Upgrade	\$6.0
	240494	Santa Clara Traffic Signals Upgrade	\$5.0
	240494	Santa Clara TMC Upgrade	\$1.3
Saratoga	240509	Blue Hills School RR Crossing Safety Project	\$0.4
	240427	SR 9 Ped Safety Improvement	\$2.3
	240428	Citywide Signal Upgrade Project Phase II	\$0.6
	240419	Herriman Ave./Saratoga Ave. Traffic Signal	\$0.3
	240419	Verde Vista Ln. Traffic Signal	\$0.3
	240434	Saratoga Ave. Sidewalk Ped Improvement	\$0.3
	240494	City of Saratoga Citywide Signal Upgrade Project- Phase II	\$0.2
	240494	Citywide Accessible Pedestrian Signals	\$0.4
Sunnyvale	240509	Bernardo Ave. Caltrain Undercrossing	\$9.9
	240509	Stevens Creek Trail Connector	\$1.6
	240509	Mathilda Ave. Bike Lanes: US 101 to El Camino Real	\$4.3
	240509	Maude Ave. Bike Lanes: Mathilda to Wolfe	\$0.2
	230539	Sunnyvale Downtown Specific Plan Improvements	\$15.1
	240470	Installation of Ped Countdown Signals	\$0.2
	240494	Traffic Adaptive Signal Controller Update	\$4.0
	240494	Citywide CCTV Camera Deployment	\$1.3
	240494	Citywide Traffic Signal Controller Update	\$0.7
	240494	Citywide Count and Speed Monitoring Stations	\$1.2
	240494	Citywide ITS Communications Infrastructure	\$2.0
	240494	Traffic Management Center Integration	\$0.4
	240494	Emergency Preemption Receiver Installation	\$1.2
	240509	Mary Ave. Bike Lanes Fremont to Evelyn	\$0.6
County	240509	McKean Rd Shoulder Improvements (Harry Rd to Bailey Ave)	\$6.6
	240509	Los Gatos Creek Trail – Lark Ave to Blossom Hill Dr.	\$1.6
	240509	Coyote Creek Trail – Silicon Valley Blvd to Metcalf Rd.	\$1.0

Attachment B: Preliminary Financially Constrained Project List

Sponsor	RTP ID	Local System Projects	Cost (2013 \$M)
County	22829	Fitzgerald Ave/Masten Ave Realignment at Monterey	\$0.7
Continued	230266	Santa Teresa Blvd & Tilton Ave Traffic Signal Improvements	\$0.7
	22811	Railroad Crossing Improvements at Church Ave and Monterey Hwy	\$0.8
	230255	Santa Teresa Blvd & San Martin Ave Traffic Signal Improvements	\$0.7
	230286	Doyle Rd Bicycle and Pedestrian Trail Connection	\$0.5
	230242	Capitol Expwy – TOS infrastructure	\$5.5
	22910	Santa Teresa Blvd/Hale Ave Corridor - TOS Infrastructure Improvements	\$5.8
	22822	SCC Motorist Traffic Information & Advisory Systems	\$5.8
	230292	Signal Coordination/Interconnect with Cross Streets	\$5.8
	230251	TOS Infrastructure Improvements	\$11.6
	22873	Foothill Expwy./Loyola Bridge	\$1.2
	240494	Expressway Adaptive Pedestrian Timing Project	\$2.2
	240494	Expressway and Santa Teresa Corridor Bike Detection	\$2.5
Total Constrained MTI Projects			\$559.2

Pavement projects and fully-funded projects are not included.