



**ARTERIALS, HIGHWAYS & FREEWAYS
Meeting Agenda**

**January 20, 2010
1:30 p.m.**

**STA Conference Room
One Harbor Center, Suite 130
Suisun City, CA 94585**

ITEM

STAFF PERSON

I. CALL TO ORDER

Len Augustine, Chair

II. APPROVAL OF AGENDA

Len Augustine, Chair

**III. APPROVAL OF LAST COMMITTEE MEETING MINUTES:
September 28, 2009**

Len Augustine, Chair

IV. ACTION ITEMS

**A. I-80/I-680/I-780 Corridor Operations Improvements Plan
Recommendation:**

Sam Shelton, STA

Forward a recommendation to the STA Board to adopt the I-80/I-680/I-780 Corridor Operations Improvements Plan

B. CTP Project List

Robert Macaulay, STA
Janet Adams, STA

Recommendation:

Forward a recommendation to the STA Board to adopt the Draft CTP Project List

**C. Comprehensive Transportation Plan (CTP) Update –
Routes of Regional Significance**

Robert Macaulay, STA

Recommendation:

Forward a recommendation to the STA Board to designate the following as Routes of Regional Significance:

Parkway Boulevard Overcrossing and associated roadways;

Vaughn Road Railroad Bypass;

California Drive Freeway Overcrossing.

V. INFORMATION ITEMS

- A. Draft Arterials, Highways, and Freeways Goal Gap Analysis** Robert Macaulay, STA
Review the draft Arterials, Highways, and Freeways Goal Gap Analysis.

VI. ADJOURNMENT



**Arterials, Highways, and Freeways Committee
Meeting Minutes**

Monday, September 28, 2009
1:30 – 3:00 p.m.

STA Conference Room
One Harbor Center, Suite 130
Suisun City, CA 94585-2473

I. CALL TO ORDER

Chair Len Augustine called the meeting to order at 1:30 p.m. A quorum was confirmed.

MEMBERS PRESENT:	Len Augustine, Chair Elizabeth Patterson Rick Fuller Harry Price Jan Vick Pete Sanchez Jim Spering Paul Wiese	City of Vacaville City of Benicia City of Dixon (Alternate) City of Fairfield City of Rio Vista City of Suisun City County of Solano (Alternate) TAC Member
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MEMBERS ABSENT: None.

STAFF PRESENT:	Daryl Halls Robert Macaulay Robert Guerrero Sam Shelton Sara Woo	Executive Director Director of Planning Senior Planner Project Manager Planning Assistant
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II. APPROVAL OF AGENDA

On a motion by Member Price and second by Member Sanchez, the Arterials, Highways, and Freeways Committee approved the agenda.

III. APPROVAL OF MINUTES FROM PREVIOUS MEETING

On a motion by Member Price and a second by Member Spering the Arterials, Highways, and Freeways Committee unanimously approved the minutes for December 13, 2008 to include the following corrections provided by the committee:

- Page 1 – Correctly spell Mayor Jan Vick’s name
- Page 2 – Add “Mr. Paul Wiese”

IV. ACTION ITEMS

A. Arterials, Highways, and Freeways State of the System Report:

Recommendation:

Forward a recommendation to the STA Board to approve the Arterials, Highways, and Freeways State of the System Report.

On a motion from Member Patterson and a second from Member Price the Arterials, Highways, and Freeways Committee unanimously approved the recommendation, with all discussion as noted by staff.

Robert Macaulay provided a brief overview of the State of the System Report and the three elements of the Arterials, Highways, and Freeways network. He stated that the three parts of the arterials, highways, and freeways element are (1) Interstate Corridors, (2) State Route Corridors and (3) Local Roads. He also explained the data collection methodology and invited the committee members to provide comments.

Mr. Macaulay then reviewed PCI and talked about the “fix it first” strategy. He noted members of the BAC requested to consider how the PCI affects the Class II and III facilities. Mr. Macaulay also mentioned the BAC requested the committee help make recommendations to improve the maintenance of the bicycle routes.

Chair Augustine commented that it would be useful to see information on how many people pass through each city as well as entering and exiting each jurisdiction (i.e. how many vehicles are entering and exiting in the City of Dixon, Vacaville, etc.). Mr. Augustine suggested to provide the information in the report if it could the data is available. Chair Augustine also commented that that trends change the way people commute and it gives people a sense of how traffic is moving.

Robert Guerrero expanded on Mr. Macaulay’s presentation by indicating that the Existing Conditions Report includes traffic counts from existing studies if available. Mr. Guerrero also explained that the report notes which corridor did not had data shortfalls. Mayor Patterson commented that it would be useful to develop a strategy to improve operations on the highway to let people know if a highway is congested before you get on (i.e. at East 2nd Street before you get onto I-780). Mrs. Patterson also suggested that a closer look at traffic around significant grades might reveal additional congestion areas.

Mayor Price commented on the effect of changeable message signs. Mr. Price noted that are the signs are affecting driver decisions before they reach the congested areas. Robert Macaulay responded by indicating STA staff will continue to look at this issue. Chair Augustine commented that he would like to see more signage farther east in Solano County. Mayor Price asked is there a coordinated effort to shift major hours of employers in the Bay Area. Mr. Macaulay responded yes and provided examples of where this is happening.

Mayor Patterson commented on the measures on reducing commuting: satellite offices, spare, the air days, and telecommuting. She further explained that state policy is available to refer to and we could expand and suggest to our businesses, on spare the air days, we could have a program for employers to implement to stay home to do work. Supervisor

Spering commented that Transportation Control Measures (TCMs) are part of the regional plan are being implemented and include these types of activities.

Mayor Sanchez commented on the PCI picture example and questioned the PCI Index table. Robert Guerrero responded that the PCI information was from MTC's latest PCI Index report. Mr. Guerrero also explained that the PCI information will be updated when MTC updates their information.

V. INFORMATION ITEMS

A. Solano Highways Operations Study

Sam Shelton provided an overview of the Solano Highways Operations Study and presented its current status. Mr. Shelton discussed the scope of work of the plan and stated that it includes: Operational Improvement Analysis, Landscape and Hardscape Recommendations and Public Outreach tasks. He also reviewed the draft executive summary with the committee as well as the plan schedule.

Mr. Shelton commented on the ITS component of the plan. He noted that the MTC Freeway Service Patrol (FSP) program utilizes the information provided through the Caltrans data used on the intelligent signs. He noted that cameras, fiber optic system, signs, and other components are considerations of ITS systems.

Member Patterson commented that the recommendation for an additional HOV lane on I-680 was a good idea, however, she did not completely agree with the recommendation for an additional HOV lane on I-680. Member Patterson explained that there are many constraints in the corridor to consider, including: potential rise in sea level, rail right of way and protected marsh areas. She provided the recommendation to include a discussion of the constraints within this study at this time.

Daryl clarified the process and noted that the report would be reviewed by the Arterials, Highways, and Freeways Committee again. Supervisor Spering suggested a consideration to use the center lane as an adjustable HOV lane to help alleviate Mayor Patterson's concerns.

VI. NEXT MEETING.

No meeting date was specified.

VII. ADJOURNMENT

The Arterials, Highways, and Freeways Committee meeting was adjourned at 2:30 p.m.



DATE: January 14, 2010
TO: STA Arterials, Highways, and Freeways subcommittee
FROM: Sam Shelton, Project Manager
RE: Solano Highways Operations Study

Background:

Caltrans annually provides grant opportunities through the State Transportation Planning Grant Program for several categories including a Partnership Planning Grant program where corridor studies are eligible. In October 2006, STA staff, in partnership with the Metropolitan Transportation Commission (MTC), submitted a Partnership Planning Grant for a “I-80/I-680/I-780 Corridors Study Highway Operations Plan” to follow up on the STA’s previous “I-80/I-680/I-780 Corridor Major Investment and Corridor Study” and MTC’s “Freeway Performance Initiative (FPI).” In the Spring of 2007, Caltrans awarded \$250,000 for this grant project.

On January 9, 2008, the STA Board Authorized the Executive Director to:

1. Issue a Request for Proposals for consultant services for the I-80/I-680/I-780 Corridors Highway Operations Implementation Study; and
2. Execute a consultant contract for an amount not to exceed \$300,000 for the I-80/I-680/I-780 Corridors Highway Operations Implementation Study.

To develop the “I-80/I-680/I-780 Corridors Highway Operations Study & Implementation Plan” the STA and MTC created the Solano Highway Partnership (SoHIP) with the cities of Benicia, Dixon, Fairfield, Vacaville and Vallejo, and Caltrans Districts 3 & 4 to develop operational improvements and policy recommendations relating to a long range Intelligent Transportation System (ITS), ramp metering, High Occupancy Vehicle (HOV) network/lane extensions, and hardscape improvements that visually link corridor segments to areas of Solano County.

The scope of work tasks focus on the “Operational Improvement Analysis”, “Landscape and Hardscape Recommendations” and “Public Outreach” tasks.

1. The Operations Improvement Analysis task requires analyzing recurrent (bottlenecks, poor operations infrastructure, etc.) and non-recurrent (Traffic Incidents, Special Events, etc.) causes of current and future corridor performance through the use of MTC’s FPI recommendations, accident statistics, and the Napa-Solano Travel Demand Model results.
2. The Landscape and Hardscape Recommendations task require reviewing currently installed visual elements along the highway corridors, drafting concept drawings of

potential visual elements, and recommending additional policies for landscape and hardscape improvements that promote a sense of place and quality of life as travelers drive through Solano County.

3. The Public Outreach task requires conducting at least two public meetings and the development of a multimedia “Operations Improvement Toolbox” to help educate the public about the recommended operations improvements (e.g, Ramp Metering educational website materials and pamphlets, ITS explanations, etc.).

The Solano Highways Partnership (SoHIP) met five times between June 2008 and April 2009 to review and approve the draft materials. Caltrans staff from various planning, operations, and maintenance units attended the SoHIP meetings, providing valuable feedback. MTC staff from their operations unit critiqued the accuracy of the modeling by comparing STA results with MTC FPI results.

Both Caltrans and MTC staff have expressed preliminary support for adopting the study’s findings and implementation plan as part of their future project planning and funding priorities. Additional meetings with STA, MTC, and Caltrans on May 21st and June 8th respectively helped develop the details of this multiple agency adoption process.

On July 8, 2009, the STA Board released the Draft I-80/I-680/I-780 Corridor Highway Operations Study & Implementation Plan for public comment. Comments from the public and partner agencies were due to the STA by August 12, 2009.

As part of the public outreach process, the STA held two public meetings and posted the website online. The release of the study was cover by local newspapers in Solano County and was featured in four news articles prior to two public meetings on July 28th and July 29th. Follow-up meetings were held with Caltrans and MTC staff to coordinate each agency’s work on similar studies (e.g., Caltran’s Corridor System Management Plans and MTC’s draft FPI for I-680).

After these meetings with MTC and Caltrans, staff agreed to shorten the study’s title to the “Solano Highways Operations Study”.

The Solano Highways Operation Study was provided to STA TAC members and Arterials, Highways, and Freeways subcommittee members in September 2009. The Arterials, Highways, and Freeways subcommittee, composed of various STA Board members and Board alternates, had two concerns: 1) the level of “feasibility analysis” that was conducted for the “operations study” and 2) the potential for some High Occupancy Vehicle (HOV) lanes to become reversible HOV Lanes.

Discussion:

On December 16, 2009, the STA TAC discussed adding language regarding the Arterials, Highways, and Freeways subcommittee members concerns. STA staff recommended that the operation analysis conducted for the study is sufficient to identify project concepts prior to conducting a thorough feasibility analysis, which is part of Project Study Reports required by Caltrans.

STA staff also recommended adding language to the study stating that the feasibility of reversible HOV Lanes will be reviewed as part of specific Project Study Reports (PSR) for HOV Lane projects, with references to case studies, such as the San Diego I-15 Reversible HOV/HOT lane system and sections of the Federal Highway Administration (FHWA) Managed Lanes and Operations Handbook, examples of which are shown below:

Federal Highway Administration (FHWA) Managed Lanes and Operations Handbook, Section 8.2.5.5, Reversible Lanes:

[Pursue reversible lane alternatives in combination with ramp metering]

“If reversing a traffic lane is considered, the basic requirement is that off-peak traffic can be accommodated in the remaining lanes. If the traffic volume is too high to be accommodated in the remaining lanes and if severe traffic congestion exists in the peak direction, the feasibility of reversing the direction of a lane should still be investigated in conjunction with other measures, such as ramp metering, to reduce traffic in the off-peak direction.

[Conduct a benefit-cost analysis of potential reversible HOV lanes]

“Even if some congestion occurs in the off-peak direction as a result of implementing the contraflow lane, it can still be justified if there is a net benefit in the implementation of such a lane. In other words, the benefits derived from the additional lane in the peak direction exceed the disbenefits resulting from one fewer lane in the off-peak direction.”

The STA TAC unanimously approved STA staff’s recommendation regarding additional study language and study adoption by the STA Board. If recommended by the Arterials, Highways, and Freeways subcommittee, the STA Board will consider adoption at their February 10, 2010 meeting. Once the Solano Highways Operations Study is adopted, the study’s project recommendations will be reviewed for incorporation into the STA’s Comprehensive Transportation Plan (CTP).

Fiscal Impact:

None.

Recommendation:

Forward a recommendation to the STA Board to approve the following:

1. Add language to the Solano Highways and Operations Study recommending that Project Study Reports (PSR) drafted for recommended high-occupancy vehicle (HOV) lane projects review the feasibility of reversible HOV lanes for projects identified in the Solano Highways Operations Study; and
2. Adopt the Solano Highways Operations Study.

Attachment:

- A. Solano Highways Operations Study, Executive Summary (Separate Attachment)



DATE: January 14, 2010
TO: STA Comprehensive Transportation Plan – Arterials, Highways and
Freeways Committee
FROM: Robert Macaulay, Director of Planning
RE: Comprehensive Transportation Plan (CTP) Update – Draft Project List

Background:

The STA Board has initiated an update of the Solano Comprehensive Transportation Plan (CTP). The CTP is the STA's primary long-range planning document. The CTP consists of three main elements: Alternative Modes; Arterials, Highways and Freeways; and, Transit.

Although much of the CTP consists of descriptions and policies, the ultimate purpose of the document is to identify and help implement programs and projects that “*provides mobility, safety and economic vitality*” for the county. The current CTP has a list of capital projects that the 7 cities and the County have identified that will help achieve this goal.

On June 10, 2009, the STA Board authorized a Call for Projects. The County and the seven cities were asked to submit projects no later than September 4th. Letters asking for project submittals were sent to the Public Works and Planning directors of each jurisdiction, along with a list of projects currently in the CTP. After September 4th, STA staff met with the Planning and Public Works staff of each City and the County to review the project list and eliminate duplicate or purely local entries. On December 10, 2009, the STA Board approved a 2-month public comment period on the draft list, including a review by each of the CTP subcommittees.

Discussion:

The Draft CTP Project List contains 85 Arterials, Highways and Freeways Element projects or programs. (There are 4 projects submitted by the City of Vacaville that STA is recommending not be included in the project list because they are local in nature.) There are additional projects in the Alternative Modes and Transit elements that relate to, but are not primarily part of, the Arterials, Highways and Freeways element. Arterials, Highways and Freeways Element projects are subdivided in Freeways (Interstate 80, 680, 780 and 505), Highways (State Routes 12, 29, 37, 113, 84, 128 and 220) and Arterials (designated roads not on the Interstate or State Highway systems).

The status of projects or programs is also provided. For capital projects, there are four status categories described below. In addition, listed projects are already under construction.

1. Permitted and Ready to Construct – all permits and funding secured;
2. Designed – greater than 35% Plans, Specifications and Estimates (PS&E) and an approved environmental document;
3. Preliminary Design – greater than 10% but less than 35% PS&E;
4. Planned – less than 10% PS&E

Of the 85 Arterials, Highways and Freeways capital projects, 28 of the projects are Freeway facilities, 8 are for state Highways, and 49 are local Arterials. There are 2 projects that are Permitted and Ready to Construct, 3 that is Designed, 12 that are Preliminary Designed and 66 that are Planned. An additional 3 projects are under construction.

For Programs and studies, the categories are:

1. Existing Program – Funded, staffed and operating (Program) of being conducted (study)
2. Planned Program – Operational program that is not funded or in operation.
3. Study – A study that is not yet funded.

Of the Arterials, Highways and Freeways programs, 1 is an Existing Program, and 3 are Planned Programs. There is 1 Study listed that has been Completed, but not yet adopted.

The structure of the project list shows that the Arterials, Highways and Freeways element is primarily a capital project element, whereas Transit and Alternative Modes have a larger share of projects. However, one of the projects – 09CTP 093, I-80 and I-680 Intelligent Transportation System elements – mixes project and program components, since it involves both construction and operation/monitoring of items such as ramp metering equipment and closed circuit TV.

There are Arterials, Highways and Freeways roadway projects found in every one of the 7 cities and the unincorporated county. Of the 34 interchange intersection projects proposed, 4 are in Benicia, 6 are in Dixon, 9 are in Fairfield, 1 in Rio Vista, 9 are in Vacaville, 4 are in Vallejo, and 1 is a multi-jurisdictional project identified by STA.

Fiscal Impact:

None. However, only projects listed in the CTP will be eligible for STA-administered funding. Development of a cost estimate and funding strategy will be in a subsequent phase of the CTP update.

Recommendation:

Forward a recommendation to the STA Board to approve the following:

1. CTP Project List – Arterials, Highways and Freeways Element as shown in Attachment A.

Attachments:

- A. Draft CTP Project List – Arterials, Highways and Freeways Element

Project Status key:

Permitted and Ready to Construct – all permits and funding secured

Designed – greater than 35% PS&E and an approved environmental document

Preliminary Design – greater than 10% but less than 35% PS&E

Planned – less than 10% PS&E

Agenda Item IV.B
January 20, 2010

ATTACHMENT A

DRAFT CTP PROJECT LIST 2009

(Last Updated: November 30, 2009)

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 003	Benicia	I-680, Benicia Bridge to I-80	Arterials, Highways and Freeways - Freeway	Construct one additional mixed-flow lane in each direction. <i>This project is not identified in I-680 Freeway Performance Initiative.</i> This is a Route of Regional Significance.	Planned
09CTP 005	Benicia	I-780 (E. 2nd to E. 5th) Lanes	Arterials, Highways and Freeways - Freeway	Construct mixed-flow lane and interchange improvements for each direction of I-780 per the I-80/I-680/I-780 Corridor Operations Improvement Plan. This is a Route of Regional Significance.	Planned
09CTP 006	Benicia	I-780 (Columbus Pkwy to Military West) Lanes	Arterials, Highways and Freeways - Freeway	Construct mixed-flow lane and interchange improvements for each direction of I-780 per the I-80/I-680/I-780 Corridor Operations Improvement Plan. This is a Route of Regional Significance.	Planned
09CTP 001	Benicia	I-680/Lake Herman Road Interchange	Arterials, Highways and Freeways - Arterial	Install traffic signals and construct interchange improvements at I-680/Lake Herman Road. This project will link a rail station to an intermodal transportation station. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 007	Benicia	I-680/Bayshore/ Industrial Interchange Connections	Arterials, Highways and Freeways - Arterial	Install traffic signals and related traffic control and circulation improvements. This is a Route of Regional Significance.	Planned
09CTP 008	Benicia	I-780/Southampton/ West 7th Interchange Ramps	Arterials, Highways and Freeways - Arterial	Upgrade ramps to meet current standards and traffic demand. This is a Route of Regional Significance.	Planned
09CTP 009	Benicia	I-780/East 2nd Street Interchange Ramps	Arterials, Highways and Freeways - Arterial	Upgrade ramps to meet current standards and traffic demand. This is a Route of Regional Significance.	Planned
09CTP 010	Benicia	Columbus Parkway Reliever Route (I-780 to City Limits)	Arterials, Highways and Freeways - Arterial	Widen Columbus Parkway from 2 to 4 lanes from I-780 to the City Limits with Vallejo. This is a Route of Regional Significance.	Planned
09CTP 217	Dixon	Parkway Blvd Overcrossing	Arterials, Highways and Freeways - Arterial	Construct a new overcrossing of the UPRR tracks, connecting Parkway Boulevard and Pitt School Road, includes 2 travel lanes in each direction plus Class I bike/ped facility. EIR certified by Council in August 2009. This is a Route of Regional Significance.	Designed
09CTP 212	Dixon	I-80/Pedrick Rd. Interchange	Arterials, Highways and Freeways - Freeway	Construct overcrossing and ramp improvements. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 213	Dixon	I-80/SR 113 Interchange	Arterials, Highways and Freeways - Freeway	Construct overcrossing and ramp improvements. This is a Route of Regional Significance.	Planned
09CTP 214	Dixon	I-80/Pitt School Rd. Interchange	Arterials, Highways and Freeways - Freeway	Construct overcrossing and ramp improvements. This is a Route of Regional Significance.	Planned
09CTP 215	Dixon	I-80/West A St. Interchange	Arterials, Highways and Freeways - Freeway	Construct overcrossing and ramp improvements. This is a Route of Regional Significance.	Planned
09CTP 218	Dixon	Vaughn Road Railroad Bypass Project	Arterials, Highways and Freeways - Arterial	Construct a four-lane bypass route of Vaughn Road to connect to Pedrick Road without crossing the UPRR tracks. This is a Route of Regional Significance.	Planned
09CTP 216	Dixon	SR 113 relocation to Kidwell Road interchange	Arterials, Highways and Freeways - Highway	Relocate SR 113 out of the Dixon City Limits on the Midway-Kidwell Road alignment. This is a Route of Regional Significance. <i>This project is an option identified in the SR 113 MIS.</i>	Study
09CTP 170	Fairfield	I-80/Green Valley Rd. Interchange	Arterials, Highways and Freeways - Freeway	This interchange is part of the I-80/ I-680/SR-12 Interchange Complex. See 09CTP 236. This is a Route of Regional Significance.	Preliminary Design

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 171	Fairfield	I-80/Suisun Valley Rd. Interchange	Arterials, Highways and Freeways - Freeway	This interchange is part of the I-80/ I-680/SR-12 Interchange Complex. See 09CTP 236. This is a Route of Regional Significance.	Preliminary Design
09CTP 179	Fairfield	I-80/Red Top Road Interchange	Arterials, Highways and Freeways - Freeway	This interchange is part of the I-80/ I-680/SR-12 Interchange Complex. See 09CTP 236. This is a Route of Regional Significance.	Preliminary Design
09CTP 180	Fairfield	I-680 and Red Top Road Interchange	Arterials, Highways and Freeways - Freeway	Construct a new interchange. This interchange is part of the I-80/ I-680/SR-12 Interchange Complex. See 09CTP 236. This is a Route of Regional Significance.	Preliminary Design
09CTP 185	Fairfield	Peabody Road Bridge overcrossing at Union Pacific Railroad	Arterials, Highways and Freeways - Arterial	Convert current at-grade crossing to grade-separated 4-lane structure, with Class I bike/ped facility. Construction will occur as part of Fairfield/Vacaville Train Station. Construction expected by 2014. This is a Route of Regional Significance. <u>See Project 09CTP 185</u>	Preliminary Design
09CTP 174	Fairfield	Manuel Campos Pkwy from Mystic Drive to Dickson Hill Rd.	Arterials, Highways and Freeways - Arterial	Construct a 4-lane arterial across the Putah South Canal to close gap in Manuel Campos Parkway. This is a Route of Regional Significance.	Preliminary Design
09CTP 168	Fairfield	I-80 from Travis Blvd to Air Base Pkwy	Arterials, Highways and Freeways - Freeway	Construct mixed-flow lane in each direction. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 189	Fairfield	I-80/West Texas St Ramp Improvement	Arterials, Highways and Freeways - Freeway	Reconfigure I-80 Eastbound Off Ramp to West Texas Street and Fairfield Transportation Center. This is a Route of Regional Significance.	Planned
09CTP 121	Fairfield	SR 12 and Red Top Road/ Business Center Drive Interchange	Arterials, Highways and Freeways - Arterial	Construct a new interchange linking the North Connector, Red Top Road and SR 12. This is a Route of Regional Significance.	Planned
09CTP 175	Fairfield	Manuel Campos Pkwy from Dickson Hill Rd. to Clay Bank Rd.	Arterials, Highways and Freeways - Arterial	Widen from 2-lanes to 4-lanes This is a Route of Regional Significance.	Planned
09CTP 176	Fairfield	Cement Hill Rd.(Future Manuel Campos Pkwy) from Clay Bank Rd. to Peabody Rd.	Arterials, Highways and Freeways - Arterial	Widen from 2-lanes to 4-lanes. This is a Route of Regional Significance.	Planned
09CTP 181	Fairfield	SR 12 and Beck Avenue Interchange	Arterials, Highways and Freeways - Arterial	Replace the existing SR 12/Beck at-grade intersection with a new grade-separated interchange. This is a Route of Regional Significance.	Planned
09CTP 182	Fairfield	SR 12 and Pennsylvania Avenue Interchange	Arterials, Highways and Freeways - Arterial	Replace the existing SR 12/Pennsylvania at-grade intersection with a new grade-separated interchange. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 169	Fairfield	Improve I-80/N. Texas St. Interchange	Arterials, Highways and Freeways - Arterial	Construct interchange improvements. This project is a City of Fairfield project. This is a Route of Regional Significance. <i>Completion Scheduled for 2010.</i>	<u>Under Construction</u>
09CTP 173	Fairfield	Manuel Campos Pkwy from I-80 to Dover Ave.	Arterials, Highways and Freeways - Arterial	Construct a 4-lane arterial to close gap in Manuel Campos Parkway. This is a Route of Regional Significance. <i>Completion scheduled for 2009/2010</i>	<u>Under Construction</u>
09CTP 199	Rio Vista	SR 12/Church Street and Amerada Intersections	Arterials, Highways and Freeways - Arterial	Improve the intersection of SR 12 and Church Street, with the option of including a 40-space park-and-ride lot at the southeast corner . A PSR is being prepared for the project. This is a Route of Regional Significance.	Preliminary Design
09CTP 999	Rio Vista	SR 12 from I-80 to Rio Vista	Arterials, Highways and Freeways - Highway	Implement SR 12 Major Investment Study . This study was completed in 2001. STA and other regional agencies are working to develop an I-80 to I-5 SR 12 MIS. This is a Route of Regional Significance.	Complete
09CTP 900	Rio Vista	Rio Vista Bridge across the Sacramento River	Arterials, Highways and Freeways - Highway	Conduct a study of options for existing bridge, including rebuilding in place or relocating the bridge and connecting roadways. This study is underway and will be completed in the fall of 2009. This is a Route of Regional Significance.	Study
09CTP 038	Solano County	McGary Road	Arterials, Highways and Freeways - Arterial	Reconstruct McGary Road, including a Class II Bike Lane, from Red Top Road to Lynch Canyon in order to open it to through traffic and enhance the existing roadway. Construction is scheduled for Spring of 2010. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield.	<i>Permitted and Ready to Construct</i>

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 041	Solano County	Replace or rehabilitate existing deficient County bridges	Arterials, Highways and Freeways - Arterial	Deficient bridges need to be replaced or rehabilitated on a timely basis to keep them safe and adequate to handle traffic demands.	Existing Program
09CTP 034	Solano County	I-80 and SR 37 – Fairgrounds	Arterials, Highways and Freeways - Arterial	Improve Fairgrounds Drive and Redwood Parkway, including the Redwood Parkway – I-80 Interchange, from SR 37 to Redwood Parkway. A Project Study Report for the project is complete. This is a Route of Regional Significance. <u>See Projects 09CTP 148 and 09CTP 146 (Vallejo)</u>	Preliminary Design
09CTP 037	Solano County	Jepson Parkway to the north and south gates of Travis Air Force Base	Arterials, Highways and Freeways - Arterial	Construct improvements to Petersen Road, Canon Road, and North Gate Road. This is a Route of Regional Significance.	Preliminary Design
09CTP 025	Solano County	Improve the surface condition of areas with deficient pavement on I-80	Arterials, Highways and Freeways - Freeway	Pavement conditions on sections of I-80 need significant rehabilitation. Construction complete on some segments. Other segments are planned. This is a Route of Regional Significance.	Planned
09CTP 026	Solano County	I-80 from Leisure Town Road to Kidwell Road	Arterials, Highways and Freeways - Freeway	Construct one additional mixed-flow lane in each direction. This project was also submitted by the City of Dixon. This is a Route of Regional Significance.	Planned
09CTP 027	Solano County	I-80 from Carquinez Bridge to SR 37	Arterials, Highways and Freeways - Freeway	Improve traffic flow and safety through Vallejo, including consolidating ramps. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 031	Solano County	Improve SR 113, including possible alternate alignments near Dixon	Arterials, Highways and Freeways - Highway	Widen SR 113 and consider realigning it outside of the City of Dixon to improve traffic flow. A Major Investment Study has been completed. This is a Route of Regional Significance.	Planned
09CTP 035	Solano County	Widen Peabody Road from 2 to 4 lanes	Arterials, Highways and Freeways - Arterial	Widen Peabody Road to 2 lanes in each direction, plus a Class 2 bike/ped facility. This is a Route of Regional Significance.	Planned
09CTP 036	Solano County	Improve the County Routes of Regional Significance	Arterials, Highways and Freeways - Arterial	Construct improvements to various County roads, including Lake Herman Road, Lopes Road, Lyon Road, McCormack Road, Midway Road, Pedrick Road, Rockville Road and Suisun Valley Road. This is a Route of Regional Significance.	Planned
09CTP 039	Solano County	I-80 - Pedrick Road – Tremont Road – Kidwell Road area	Arterials, Highways and Freeways - Arterial	Construct various transportation improvements to accommodate projected increasing traffic in the north Dixon limited industrial area. This is a Route of Regional Significance.	Planned
09CTP 040	Solano County	Increase funding for maintenance and improvement of the County road system	Arterials, Highways and Freeways - Arterial	Seek new transportation funding to address a lack of adjustment for inflation in the gas tax since 1995, which has significantly reduced the effective funding for road maintenance and improvement activities.	Planned Program
09CTP 061	Suisun City	Main Street Improvements (Phase 2)	Arterials, Highways and Freeways - Arterial	Pavement, curb, sidewalk and utility enhancements along Main Street from Morgan Street to Highway 12. A portion of this project is funded by ARRA. This is a Route of Regional Significance.	Designed

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 060	Suisun City	Cordelia Rd. from I-680 to SR 12	Arterials, Highways and Freeways - Arterial	Widen Cordelia Road from 2 lanes to 4, plus Class 2 bike lanes, from Pennsylvania Avenue to Lopes Road. This is a multiphase project. This is a Route of Regional Significance.	Planned
09CTP 075	Suisun City	Railroad Avenue Widening and Realignment (Middle and East Segment)	Arterials, Highways and Freeways - Arterial	Widen and reconstruct Railroad Avenue from Sunset Avenue to Humphrey Drive to a 3-lane arterial with class 2 bike lanes. Realign and widen Railroad Avenue from Humphrey Drive to East Tabor Avenue with new intersection at East Tabor Avenue and Olive Street. This is a multi-phase project. This is a Route of Regional Significance.	Planned
09CTP 076	Suisun City	Railroad Avenue Extension (West Segment)	Arterials, Highways and Freeways - Arterial	Extend Railroad Avenue from Marina Boulevard to Main Street/Highway 12 On-Ramp and make a signalized intersection at Main St/Hwy 12 On-Ramp. This is a Route of Regional Significance.	Planned
09CTP 077	Suisun City	Downtown Suisun City Bypass Road	Arterials, Highways and Freeways - Arterial	Construct a 2 lane new arterial from Cordelia Road to Spring Street. The roadway is a part of the Suisun City downtown specific plan.	Planned
09CTP 084	Vacaville	I-505 SB/Vaca Valley Parkway	Arterials, Highways and Freeways - Arterial	Widen the SB off ramp at Vaca Valley Parkway and widen Vaca Valley Parkway to provide protected left turn pockets. Signalize the SB ramp intersection. This is a Route of Regional Significance.	Preliminary Design
09CTP 095	Vacaville	I-80 @ I-505 Weave Correction	Arterials, Highways and Freeways - Freeway	Construct weave corrections for WB traffic at the I-80/I-505 interchange and eliminate 4 to 3 WB lane drop at the interchange. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 078	Vacaville	I-80 WB/Alamo Dr.- Merchant St On- Ramp	Arterials, Highways and Freeways - Arterial	Widen bridge over Alamo Creek and extend WB on-ramp to provide standard acceleration lane and merge. This is a Route of Regional Significance.	Planned
09CTP 079	Vacaville	I-80 WB/Mason St. On-Ramp	Arterials, Highways and Freeways - Arterial	Extend WB on-ramp to provide standard acceleration lane and merge. This is a Route of Regional Significance.	Planned
09CTP 080	Vacaville	I-80 WB/Davis-/ Hickory St. On-Ramp	Arterials, Highways and Freeways - Arterial	Extend WB on-ramp to provide standard acceleration lane and merge. This is a Route of Regional Significance.	Planned
09CTP 081	Vacaville	I-80 EB/ Cliffside Dr. On-Ramp	Arterials, Highways and Freeways - Arterial	Widen bridge over Mason St. and extend EB on-ramp to provide standard acceleration lane and merge. This is a Route of Regional Significance.	Planned
09CTP 082	Vacaville	I-80 EB/Davis St On- Ramp	Arterials, Highways and Freeways - Arterial	Widen bridge over Davis St. and extend EB on-ramp to provide standard acceleration lane and merge. This is a Route of Regional Significance.	Planned
09CTP 083	Vacaville	I-80/California Drive Extension and Overcrossing	Arterials, Highways and Freeways - Arterial	Extend California Drive as 4-lane arterial from Marshall Road to Pena Adobe Road. Construct new 4-lane overcrossing @ I-80 with no freeway connections. Local Project	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 085	Vacaville	I-505/Vaca Valley Pkwy Interchange.	Arterials, Highways and Freeways - Arterial	Widen the existing overcrossing to 3 lanes in each direction with protected turn pockets. Modify existing spread diamond to provide partial cloverleaf design. New bridge to accommodate pedestrian and Class 2 bicycle facilities. This is a Route of Regional Significance.	Planned
09CTP 088	Vacaville	Midway Rd. (Putah South Canal to I-80)	Arterials, Highways and Freeways - Arterial	Widen Midway Rd. in both directions to provide a 4-lane, un-divided arterial. This is a Route of Regional Significance.	Planned
09CTP 090	Vacaville	Orange Drive Extension (current eastern terminus to Weber/Meridian Rd.)	Arterials, Highways and Freeways - Arterial	Extend Orange Drive as a 4-lane, divided arterial from its current terminus east of Leisure Town Road to the Weber/Meridian Rd interchange. Local Project.	Planned
09CTP 091	Vacaville	Vaca Valley Pkwy. (Wrentham Dr. to Gibson Canyon Rd.)	Arterials, Highways and Freeways - Arterial	Extend Vaca Valley Pkwy. as a 4-lane, divided arterial from Wrentham Dr. to Gibson Canyon Rd., aligning with Farrel Rd. To include either Class 1 or Class 2 Bike facilities. Local Project	Planned
09CTP 092	Vacaville	Vaca Valley Pkwy. (Crescent Dr. to Browns Valley Pkwy.)	Arterials, Highways and Freeways - Arterial	Widen Vaca Valley Pkwy to provide 4 lanes with divided median and protected turn pockets from I-505 to Browns Valley Pkwy; and 6 lanes with divided median and protected turn pockets from I-505 to Crescent Dr. Local Project	Planned
09CTP 083	Vacaville	I-80/California Drive Extension and Overcrossing	Arterials, Highways and Freeways - Arterial	Extend California Drive as 4-lane arterial from Marshall Road to Pena Adobe Road. Construct new 4-lane overcrossing @ I-80 with no freeway connections.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 146	Vallejo	I-80 / Redwood Interchange	Arterials, Highways and Freeways - Freeway	Improve on/off ramp circulation from I-80. This is a Route of Regional Significance.	Planned
09CTP 148	Vallejo	Fairgrounds Dr from SR 37 to Redwood	Arterials, Highways and Freeways - Freeway	Increase capacity of roadway segment. This is a Route of Regional Significance.	Planned
09CTP 114	Vallejo	SR 37 from Napa River Bridge to SR 121	Arterials, Highways and Freeways - Highway	Widen SR 37 from 2 to 4 lanes, plus shoulders. Maintain current median barrier. This is a Route of Regional Significance. Portions of this project are not in Solano County.	Planned
09CTP 116	Vallejo	Improve SR 29 through Vallejo	Arterials, Highways and Freeways - Highway	Pedestrian and landscaping improvements. This is a Route of Regional Significance.	Planned
09CTP 113	Vallejo	Improve I-80/American Canyon Rd. interchange including park & ride lot	Arterials, Highways and Freeways - Arterial	Construct interchange improvements, including ramp roundabouts. Examine potential of construction formal Park and Ride lot to replace casual lot currently in use.	Planned
09CTP 115	Vallejo	Improve SR 37/Mare Island Interchange and Azuar and Railroad from SR 37 to G St.	Arterials, Highways and Freeways - Arterial	Improve major roadways on and connecting to Mare Island. Some, but not all, of these are Routes of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 117	Vallejo	Columbus Pkwy from Benicia Rd. to SR 37	Arterials, Highways and Freeways - Arterial	Widen Columbus Pkwy in each direction. Complete from SR 37 to Springs St. Springs St. to Benicia Road planned. This is a Route of Regional Significance.	Planned
09CTP 138	Vallejo	I-80/Turner Overcrossing	Arterials, Highways and Freeways - Arterial	Add additional east-west connection to local streets; may provide bike/ped access across I-80.	Planned
09CTP 150	Vallejo	Mare Island Causeway	Arterials, Highways and Freeways - Arterial	Replace existing causeway bridge. This is a Route of Regional Significance.	Planned
09CTP 147	Vallejo	SR 37 / Fairgrounds interchange	Arterials, Highways and Freeways - Arterial	Improve on/off ramp circulation to SR 37. This is a Route of Regional Significance.	Planned
09CTP 030	STA	SR 12 West Jameson Canyon	Arterials, Highways and Freeways - Freeway	Widen SR 12 in Jameson Canyon to 2 lanes plus shoulders, including a Class II bike lane, in each direction from Red Top Road to SR 29 in Papa County. Does not include SR 29 or I-80 interchange improvements. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield, the County of Solano, and the City of Suisun City.	Permitted and Ready to Construct
09CTP 234	STA	I-80 EB Cordelia Truck Scales Relocation	Arterials, Highways and Freeways - Freeway	Construct new truck scales approximately ½ mile east of current location on I-80 EB, with braided ramps between I-80 and SR 12 East. Construction to start in FY 2011-12. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield.	Designed

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 002	STA	I-80/I-680/SR12 Interchange	Arterials, Highways and Freeways - Freeway	Construct improvements to I-80/I-680/ SR 12 Interchange to reduce congestion, improve safety, accommodate future truck traffic and reduce cut-through traffic. The project will be built in phases. This is a Route of Regional Significance. This project was also submitted by the City of Benicia, the City of Fairfield, the County of Solano, and the City of Suisun City.	Preliminary Design
09CTP 033	STA	Jepson Parkway	Arterials, Highways and Freeways - Arterial	Construct a 4-lane continuous expressway from SR 12, along Walters Road, Cement Hill Road, Vanden Road and Leisure Town Road to I-80. The project includes transit pull-outs and shelters, and Class I bike/ped facilities. This is a multiphase project. Portions of the parkway are complete. Other portions are planned. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield, the County of Solano, the City of Suisun City, and the City of Vacaville.	Preliminary Design
09CTP 016	STA	Countywide Gateways	Arterials, Highways and Freeways - Freeway	Develop gateway landscape and hardscape treatments for locations identified in the Solano Highway Improvement Program (SOHIP).	Planned
09CTP 093	STA	I-80 and I-680 ITS	Arterials, Highways and Freeways - Freeway	Install and activate Intelligent Transportation System (ITS) elements, including ramp metering, along I-80 and I-680 per the <i>I-80/I-680 /I-780 Corridor Operations Improvement Plan</i> . This is a Route of Regional Significance.	Planned
09CTP 101	STA	I-80Auxiliary Lanes	Arterials, Highways and Freeways - Freeway	Construct Auxiliary Lanes on I-80 and I-680 per the <i>I-80/I-680 /I-780 Corridor Operations Improvement Plan</i> . This project was also submitted by the City of Vallejo. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 235	STA	I-80 WB Cordelia Truck Scale Relocation	Arterials, Highways and Freeways - Freeway	Construct new truck scales approximately ½ mile east of current location on I-80 WB, with braided ramps between SR 12 east. This is a Route of Regional Significance.	Planned
09CTP 236	STA	I-80 and I-680 HOV Lanes	Arterials, Highways and Freeways - Freeway	Construct new HOV Lanes: a) I-80 from the Contra Costa County line to SR 37 b) I-80 from SR 37 to Red Top Road c) I-80 from Airbase Parkway to I-505 d) I-80 from I-505 to the Yolo County line e) I-680 from the Benicia Bridge to I-80 This is a Route of Regional Significance. This project was also submitted by the City of Fairfield, the County of Solano, the City of Vacaville and the City of Vallejo.	Planned
09CTP 237	STA	I-80 and I-680 Express Lanes	Arterials, Highways and Freeways - Freeway	Convert existing and planned HOV lanes to Express (aka HOT) Lanes; operate as a part of regional Express Lane network. This is a Route of Regional Significance. This project was also submitted by the City of Benicia.	Planned
09CTP 029	STA	SR 12 East improvements from I-80 to Rio Vista, including the Rio Vista Bridge	Arterials, Highways and Freeways - Highway	Widen SR 12 from 4 lanes to 6 lanes from I-80 through Suisun City. Widen SR 12 from 2 lanes to 4 lanes from Walters Road to Rio Vista. This includes replacing the Rio Vista Bridge over the Sacramento River. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield, the City of Rio Vista, the County of Solano, and the City of Suisun City.	Planned
09CTP 183	STA	SR 113 from SR 12 to Midway Road Improvements	Arterials, Highways and Freeways - Highway	Improve curves, shoulders and pavement on SR 113 from SR 12 north to Midway Road, per the SR 113 Major Investment Study. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 166	STA	McCormack Road	Arterials, Highways and Freeways - Arterial	Improve McCormack Road, Canright Road and Azevedo Road from SR 113 to SR 12 to provide a parallel alternate to SR 12. Improve the roadways to County standard travel lanes and shoulders. This is a Route of Regional Significance. This project was also submitted by the City of Rio Vista.	Planned
09CTP 178	STA	Streets and Roads Rehabilitation	Arterials, Highways and Freeways - Arterial	Provide adequate funding to maintain local streets and roads at an acceptable Pavement Condition Index.	Planned Program
09CTP 231	STA	Complete Streets	Arterials, Highways and Freeways - Arterial	Implement MTC's Complete Streets program on projects receiving STA funding.	Planned Program
09CTP 032	STA	North Connector	Arterials, Highways and Freeways - Arterial	Construct a 4-lane roadway parallel to I-80, from Abernathy Road across the lower Suisun Valley, along Business Center Drive, connecting to SR 12. The East Segment (Suisun Parkway) is under construction. The central segment is under construction. The West Segment will be a 2-lane roadway connecting Business Center Drive to SR 12 Jameson Canyon. The west segment status is currently unfunded. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield and the County of Solano.	<u>Under Construction</u>



DATE: January 14, 2010
TO: STA Comprehensive Transportation Plan – Arterials, Highways and Freeways Committee
FROM: Robert Macaulay, Director of Planning
RE: Comprehensive Transportation Plan (CTP) Update – Routes of Regional Significance

Background:

The STA Board has initiated an update of the Solano Comprehensive Transportation Plan (CTP). The CTP is the STA's primary long-range planning document. The CTP consists of three main elements: Alternative Modes; Arterials, Highways and Freeways; and, Transit). The STA established Routes of Regional Significance in 2000 to identify the roadways critical to maintaining mobility in Solano County. For the 2008 CTP update, the criteria for Routes of Regional Significance were expanded, and new roadways were designated as Routes of Regional Significance.

In June of 2009, STA asked the cities and the county to submit a list of projects and programs that each jurisdiction wished to have included in the CTP. Several cities submitted projects or programs that do not involve Routes of Regional Significance, or that may apply only to local transit services.

Discussion:

Routes of Regional Significance Criteria

The criteria for Routes of Regional Significance are contained in Attachment A.1. The criteria were designed to focus on those roadways that provide for transportation between jurisdictions (including access to locations outside of Solano County), and to only address primarily local roads when they provide a unique alternative to an inter-city route. Similarly, the Transit Facilities of Regional Significance are those that provide connections between cities, or to transit or employment centers outside of the county. In order to maintain the focus of STA's comprehensive plan on regional roads and routes, rather than their local counterparts, it is recommended that the definition of Routes of Regional Significance not be changed. Attachment A.2 lists existing roadways that have been designated as Routes of Regional Significance.

Routes of Regional Significance Designation

Attachment B is a list of all Arterials, Highways and Freeways projects submitted to date for inclusion in the CTP project list. At the end of the list are two groupings of projects: those that STA believes meet the criteria of Routes of Regional Significance and should be added to the list; and, those projects that STA staff believes do not meet the existing Routes of Regional Significance criteria, and that should therefore not be included in the CTP project list.

Three projects – Parkway Boulevard and the Vaughn Road Railroad Bypass in Dixon, and California Drive Overcrossing in Vacaville – are recommended for designation as Routes of Regional Significance. Parkway Boulevard meets criteria 5 (improves emergency response options) by providing a grade-separated crossing of the Union Pacific Railroad (UPRR) tracks in Dixon; no such crossing exists at this time. The Vaughn Road Bypass will also improve safety by eliminating the need of traffic on Vaughn Road to cross the UPRR tracks in order to connect to Pedrick Road (and, for traffic moving northbound on Pedrick, to immediately cross the tracks again). Both of these projects also meet Goal 2 by removing at-grade crossings that are an impediment to Dixon obtaining an agreement from the UPR to allow passenger service at the Dixon rail depot.

The California Drive overcrossing meets Goal 4 by providing a non-freeway access between the proposed Lagoon Valley development and the main portion of the City of Vacaville. The only non-freeway access between Lagoon Valley and Vacaville at this time is a circuitous route up Pleasants Valley Road, across Foothill Drive, and back down Alamo Drive, a trip of several miles.

There are two projects in Vacaville – the extension of Vaca Valley Parkway from Wrentham Drive to Gibson Canyon Road and the Orange Drive extension – that are not recommended for inclusion on Routes of Regional Significance list because the roadways do not primarily address regional transportation. Even though they do provide a minor diversion of local traffic from the interstate system, there are other local roadways that also provide non-freeway alternatives, and the primary purpose of these roads is to serve local traffic. A third roadway – Vaca Valley Parkway, from Crescent Drive to Browns Valley Parkway – is already designated as a Route of Regional Significance between Crescent Drive and I-505. The segment from I-505 to Browns Valley Parkway would handle primarily local traffic, and STA staff is not recommending it for designation as a Routes of Regional Significance.

Fiscal Impact:

None. However, Routes of Regional Significance are proposed and the transit vehicles they serve are proposed to be the top priority candidates for future transit investment guided by the CTP.

Recommendation:

Forward a recommendation to the STA Board to designate the following as Routes of Regional Significance:

4. Parkway Boulevard Overcrossing and associated roadways;
5. Vaughn Road Railroad Bypass;
6. California Drive Freeway Overcrossing.

Attachments:

- A. Criteria for Routes of Regional Significance
- B. Arterials, Highways and Freeways project list with Routes of Regional Significance Recommendations
- C. Routes of Regional Significance Map

**Criteria for Routes of Regional Significance
October 29, 2008**

1. The roadway segment is included in the Solano County Congestion Management Program
2. Provides access to existing and planned transit centers serving intercity transit
3. Provides access to a major employment center with significant traffic volumes
4. Provides intercity, freeway to freeway, or freeway to highway connections with significant traffic volumes
5. Improves emergency response options
6. Has regional benefit

**ATTACHMENT A.2
Designated Routes of Regional Significance**

Agency	Name	Endpoint_A	Endpoint_B
Benicia	Military West Street	I-780	1st Street
Benicia	Military East Street	1st Street	East 5th Street
Benicia	Columbus Parkway	I-780	I-80
Benicia	Lake Herman Road	I-680	Columbus Parkway
Benicia	East 2nd Street	I-780	Lake Herman Rd/Lopes Rd
Benicia	5th Street	Military West Street	I-780
Benicia	Bayshore Drive	Port of Benicia	I-780
Caltrans	I-80	Solano County Limit (north)	Solano County Limit (south)
Caltrans	I-505	Solano County Limit (north)	Interstate 80
Caltrans	I-680	I-80	Solano County Limit (south)
Caltrans	I-780	I-80	I-680
Caltrans	SR 12 (Jameson Canyon Road)	Solano County Limit (west)	I-80
Caltrans	SR 12	I-80	Solano County Limit (east)
Caltrans	SR 29	I-80	Solano County Limit (north)
Caltrans	SR 37	Solano County Limit (west)	Interstate 80
Caltrans	SR 84	Solano County Limit (north)	State Route 12
Caltrans	SR 113	I-80	State Route 12
Caltrans	SR 113	I-80	Solano County Limit (north)
Caltrans	SR 128	in NW corner Solano County	in NW corner of Solano County
Caltrans	SR 220	SR 84	Solano County Limit (east)
Dixon	Pedrick Road	Midway Road	Solano County Limit (north)
Dixon/Solano County/Vacaville	Midway Road	I-505	Pedrick Road
Dixon	A Street/ Dixon Avenue East	I-80	Pedrick Road
Dixon	Porter Road	Midway Road	A Street
Dixon	Pitt School Road	I 80	Midway Road
Dixon	Adams Street	A Street/Dixon Avenue East	SR 113/First Street
Fairfield	Hilborn Road	Lyon Road	Waterman Boulevard
Fairfield	Beck Avenue	I 80	SR 12

Fairfield	Cadenasso Drive	Beck Avenue	Auto Mall Parkway
Fairfield	Green Valley Road	Business Center Drive	I-80
Fairfield	Gregory Lane	Texas Street	Woolner Avenue
Fairfield	Walters Road	Fairfield City Limit	Air Base Parkway
Fairfield	Air Base Parkway	Walters Road	Peabody Road
Fairfield	Peabody Road	Fairfield City Limit	Air Base Parkway
Fairfield	Lyon Road	Fairfield City Limit	Hilborn Road
Fairfield	Texas Street	I-80	I-80
Fairfield	Cement Hill Road/Manuel Campos Parkway	Peabody Road	I-80
Fairfield	Pennsylvania Avenue	SR 12	Gateway Boulevard
Fairfield	Air Base Parkway	I-80	Travis Air Force Base
Fairfield	Travis Boulevard	I-80	Sunset Drive
Fairfield	Red Top Road	SR 12	I-680
Fairfield/Solano County	North Connector/Business Center Drive	I-80	SR 12
Fairfield	Waterman Blvd	I-80	Rancho Solano Parkway
Fairfield	Gateway Boulevard	Travis Boulevard	Pennsylvania Avenue
Fairfield	Tabor Avenue	Texas Street	Walters Road
Fairfield/Solano County	Lopes Road	I-80	Lake Herman Road
Rio Vista	Airport Road	Liberty Island Road	SR 84
Rio Vista	Canright Road	Rio Vista City Limit	Liberty Island Road
Rio Vista	Liberty Island Road	Summerset Drive	McCormack Road
Rio Vista	McCormack Road	Rio Vista City Limit	Liberty Island Road
Rio Vista	Front Street	Main Street	SR 84
Rio Vista	Summerset Drive	SR 12	Liberty Island Road
Solano County	Rockville Road	I-80	Suisun Valley Road
Solano County	McCormack Road	SR 113	Rio Vista City Limit
Solano County	Suisun Valley Road	I-80	Rockville Road
Solano County	Abernathy Road	I-80	Mankas Corner Road
Solano County	Mankas Corner Road/Waterman Blvd	Abernathy Road	Rancho Solano Parkway
Solano County/Fairfield	Cordelia Road	I-80	Suisun City Limit
Solano County/Fairfield	McGary Road	Red Top Road	Hiddenbrooke Parkway
Solano County	McCloskey Road	McCormack Road	SR 12
Solano County	Canright Road	Azevedo Road	Rio Vista City Limit
Solano County	Azevedo Road	Canright Road	SR 12
Solano County	North Gate Road	Canon Road	Travis Air Force Base
Solano County	Turner Overcrossing	Turner Pkwy	Fairgrounds Drive
Solano County	Canon Road	Vanden Road	North Gate Road
Solano County	Peabody Road	Vacaville City Limit	Fairfield City Limit
Solano County	Vanden Road	Peabody Road	Leisure Town Road

Solano County	Pennsylvania Avenue	SR 12	Cordelia Road
Suisun City	Lotz Way	Main Street	Marina Boulevard/SR 12
Suisun City	Walters Road	Fairfield City Limit	SR 12
Suisun City	Cordelia Road	Pennsylvania Avenue	Main Street
Suisun City	Main Street	Cordelia Road	SR 12
Suisun City	Railroad Avenue	Main Street	Tabor Avenue
Suisun City	Petersen Road	Walters Road	Travis Air Force Base South Gate
Suisun City	Sunset Avenue	Travis Boulevard	SR 12
Vacaville	Cliffside Drive	I-80	Peabody Road
Vacaville	Allison Drive	Elmira Road	I-80
Vacaville	Davis Street	Hickory Street	Bella Vista Road
Vacaville	Hickory Lane	Davis Street	I-80
Vacaville	Bella Vista Road	I-80	Davis Street
Vacaville	Peabody Road	Elmira Rd	Vacaville City Limit
Vacaville	Vaca Valley Parkway	I-505	Interstate 80
Vacaville	Alamo Drive	I-80	Leisure Town Road
Solano County	Fry Road	Leisure Town Road	SR 113
Vacaville	Mason Street/Elmira Road	Depot Street	Leisure Town Road
Vacaville	Leisure Town Road	I-80	Vanden Road
Vacaville	Lyon Road	Fairfield City Limit	Cherry Glen Road
Vacaville	Pleasants Valley Road	Vaca Valley Road	Cherry Glen Road
Vacaville	Cherry Glen Road	Lyon Road	Pleasants Valley Road
Vacaville	Vaca Valley Road	Pleasants Valley Road	North Orchard Avenue
Vacaville	Farrell Road	North Orchard Avenue	Gibson Canyon Road
Vallejo	Lemon Street	Curtola Parkway	Carlson Street
Vallejo	Marin Street	Curtola Parkway	York Street
Vallejo	York Street	Sacramento Street	SR 29
Vallejo	Mare Island Way	Tennessee Street	Maine Street
Vallejo	Tennessee Street	Mare Island Way	I 80
Vallejo	Curtola Parkway	Maine Street	Lemon Street
Vallejo	Mare Island Causeway	Mare Island Way	Railroad Avenue
Vallejo	Railroad Avenue	Murphy Lane	SR 37
Vallejo	Redwood Street	I-80	Sacramento Street
Vallejo	Sacramento Street	Redwood Street	SR 37
Vallejo	Broadway Street	Vallejo Transit Maintenance Yard	Redwood Street
Vallejo	Fairgrounds Drive	Redwood Street	Napa County Line
Vallejo	Tuolumne Street	Redwood Street	Sereno Drive
Vallejo	Walnut Avenue	SR 37	G Street
Vallejo	Columbus Parkway	I 780	Vallejo/Benicia City Limit
Vallejo	Lake Herman Road	Columbus Parkway	Vallejo/Benicia City Limit
Vallejo	Sereno Drive	SR 29	Fairgrounds Drive

Project Status key:

Permitted and Ready to Construct – all permits and funding secured

Designed – greater than 35% PS&E and an approved environmental document

Preliminary Design – greater than 10% but less than 35% PS&E

Planned – less than 10% PS&E

Agenda Item IV.C
January 20, 2010

ATTACHMENT B

DRAFT CTP ARTERIALS, HIGHWAYS AND FREEWAYS PROJECT LIST 2009
(Last Updated: November 30, 2009)

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 003	Benicia	I-680, Benicia Bridge to I-80	Arterials, Highways and Freeways - Freeway	Construct one additional mixed-flow lane in each direction. <i>This project is not identified in I-680 Freeway Performance Initiative.</i> This is a Route of Regional Significance.	Planned
09CTP 005	Benicia	I-780 (E. 2nd to E. 5th) Lanes	Arterials, Highways and Freeways - Freeway	Construct mixed-flow lane and interchange improvements for each direction of I-780 per the I-80/I-680/I-780 Corridor Operations Improvement Plan. This is a Route of Regional Significance.	Planned
09CTP 006	Benicia	I-780 (Columbus Pkwy to Military West) Lanes	Arterials, Highways and Freeways - Freeway	Construct mixed-flow lane and interchange improvements for each direction of I-780 per the I-80/I-680/I-780 Corridor Operations Improvement Plan. This is a Route of Regional Significance.	Planned
09CTP 001	Benicia	I-680/Lake Herman Road Interchange	Arterials, Highways and Freeways - Arterial	Install traffic signals and construct interchange improvements at I-680/Lake Herman Road. This project will link a rail station to an intermodal transportation station. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 007	Benicia	I-680/Bayshore/ Industrial Interchange Connections	Arterials, Highways and Freeways - Arterial	Install traffic signals and related traffic control and circulation improvements. This is a Route of Regional Significance.	Planned
09CTP 008	Benicia	I-780/Southampton/ West 7th Interchange Ramps	Arterials, Highways and Freeways - Arterial	Upgrade ramps to meet current standards and traffic demand. This is a Route of Regional Significance.	Planned
09CTP 009	Benicia	I-780/East 2nd Street Interchange Ramps	Arterials, Highways and Freeways - Arterial	Upgrade ramps to meet current standards and traffic demand. This is a Route of Regional Significance.	Planned
09CTP 010	Benicia	Columbus Parkway Reliever Route (I-780 to City Limits)	Arterials, Highways and Freeways - Arterial	Widen Columbus Parkway from 2 to 4 lanes from I-780 to the City Limits with Vallejo. This is a Route of Regional Significance.	Planned
09CTP 212	Dixon	I-80/Pedrick Rd. Interchange	Arterials, Highways and Freeways - Freeway	Construct overcrossing and ramp improvements. This is a Route of Regional Significance.	Planned
09CTP 213	Dixon	I-80/SR 113 Interchange	Arterials, Highways and Freeways - Freeway	Construct overcrossing and ramp improvements. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 214	Dixon	I-80/Pitt School Rd. Interchange	Arterials, Highways and Freeways - Freeway	Construct overcrossing and ramp improvements. This is a Route of Regional Significance.	Planned
09CTP 215	Dixon	I-80/West A St. Interchange	Arterials, Highways and Freeways - Freeway	Construct overcrossing and ramp improvements. This is a Route of Regional Significance.	Planned
09CTP 216	Dixon	SR 113 relocation to Kidwell Road interchange	Arterials, Highways and Freeways - Highway	Relocate SR 113 out of the Dixon City Limits on the Midway-Kidwell Road alignment. This is a Route of Regional Significance. <i>This project is an option identified in the SR 113 MIS.</i>	Study
09CTP 170	Fairfield	I-80/Green Valley Rd. Interchange	Arterials, Highways and Freeways - Freeway	This interchange is part of the I-80/ I-680/SR-12 Interchange Complex. See 09CTP 236. This is a Route of Regional Significance.	Preliminary Design
09CTP 171	Fairfield	I-80/Suisun Valley Rd. Interchange	Arterials, Highways and Freeways - Freeway	This interchange is part of the I-80/ I-680/SR-12 Interchange Complex. See 09CTP 236. This is a Route of Regional Significance.	Preliminary Design
09CTP 179	Fairfield	I-80/Red Top Road Interchange	Arterials, Highways and Freeways - Freeway	This interchange is part of the I-80/ I-680/SR-12 Interchange Complex. See 09CTP 236. This is a Route of Regional Significance.	Preliminary Design

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 180	Fairfield	I-680 and Red Top Road Interchange	Arterials, Highways and Freeways - Freeway	Construct a new interchange. This interchange is part of the I-80/ I-680/SR-12 Interchange Complex. See 09CTP 236. This is a Route of Regional Significance.	Preliminary Design
09CTP 185	Fairfield	Peabody Road Bridge overcrossing at Union Pacific Railroad	Arterials, Highways and Freeways - Arterial	Convert current at-grade crossing to grade-separated 4-lane structure, with Class I bike/ped facility. Construction will occur as part of Fairfield/Vacaville Train Station. Construction expected by 2014. This is a Route of Regional Significance. <u>See Project 09CTP 185</u>	Preliminary Design
09CTP 174	Fairfield	Manuel Campos Pkwy from Mystic Drive to Dickson Hill Rd.	Arterials, Highways and Freeways - Arterial	Construct a 4-lane arterial across the Putah South Canal to close gap in Manuel Campos Parkway. This is a Route of Regional Significance.	Preliminary Design
09CTP 168	Fairfield	I-80 from Travis Blvd to Air Base Pkwy	Arterials, Highways and Freeways - Freeway	Construct mixed-flow lane in each direction. This is a Route of Regional Significance.	Planned
09CTP 189	Fairfield	I-80/West Texas St Ramp Improvement	Arterials, Highways and Freeways - Freeway	Reconfigure I-80 Eastbound Off Ramp to West Texas Street and Fairfield Transportation Center. This is a Route of Regional Significance.	Planned
09CTP 121	Fairfield	SR 12 and Red Top Road/ Business Center Drive Interchange	Arterials, Highways and Freeways - Arterial	Construct a new interchange linking the North Connector, Red Top Road and SR 12. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 175	Fairfield	Manuel Campos Pkwy from Dickson Hill Rd. to Clay Bank Rd.	Arterials, Highways and Freeways - Arterial	Widen from 2-lanes to 4-lanes This is a Route of Regional Significance.	Planned
09CTP 176	Fairfield	Cement Hill Rd.(Future Manuel Campos Pkwy) from Clay Bank Rd. to Peabody Rd.	Arterials, Highways and Freeways - Arterial	Widen from 2-lanes to 4-lanes. This is a Route of Regional Significance.	Planned
09CTP 181	Fairfield	SR 12 and Beck Avenue Interchange	Arterials, Highways and Freeways - Arterial	Replace the existing SR 12/Beck at-grade intersection with a new grade-separated interchange. This is a Route of Regional Significance.	Planned
09CTP 182	Fairfield	SR 12 and Pennsylvania Avenue Interchange	Arterials, Highways and Freeways - Arterial	Replace the existing SR 12/Pennsylvania at-grade intersection with a new grade-separated interchange. This is a Route of Regional Significance.	Planned
09CTP 169	Fairfield	Improve I-80/N. Texas St. Interchange	Arterials, Highways and Freeways - Arterial	Construct interchange improvements. This project is a City of Fairfield project. This is a Route of Regional Significance. <i>Completion Scheduled for 2010.</i>	<u>Under Construction</u>
09CTP 173	Fairfield	Manuel Campos Pkwy from I-80 to Dover Ave.	Arterials, Highways and Freeways - Arterial	Construct a 4-lane arterial to close gap in Manuel Campos Parkway. This is a Route of Regional Significance. <i>Completion scheduled for 2009/2010</i>	<u>Under Construction</u>

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 199	Rio Vista	SR 12/Church Street and Amerada Intersections	Arterials, Highways and Freeways - Arterial	Improve the intersection of SR 12 and Church Street, with the option of including a 40-space park-and-ride lot at the southeast corner . A PSR is being prepared for the project. This is a Route of Regional Significance.	Preliminary Design
09CTP 999	Rio Vista	SR 12 from I-80 to Rio Vista	Arterials, Highways and Freeways - Highway	Implement SR 12 Major Investment Study . This study was completed in 2001. STA and other regional agencies are working to develop an I-80 to I-5 SR 12 MIS. This is a Route of Regional Significance.	Complete
09CTP 900	Rio Vista	Rio Vista Bridge across the Sacramento River	Arterials, Highways and Freeways - Highway	Conduct a study of options for existing bridge, including rebuilding in place or relocating the bridge and connecting roadways. This study is underway and will be completed in the fall of 2009. This is a Route of Regional Significance.	Study
09CTP 038	Solano County	McGary Road	Arterials, Highways and Freeways - Arterial	Reconstruct McGary Road, including a Class II Bike Lane, from Red Top Road to Lynch Canyon in order to open it to through traffic and enhance the existing roadway. Construction is scheduled for Spring of 2010. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield.	Permitted and Ready to Construct
09CTP 041	Solano County	Replace or rehabilitate existing deficient County bridges	Arterials, Highways and Freeways - Arterial	Deficient bridges need to be replaced or rehabilitated on a timely basis to keep them safe and adequate to handle traffic demands.	Existing Program
09CTP 034	Solano County	I-80 and SR 37 – Fairgrounds	Arterials, Highways and Freeways - Arterial	Improve Fairgrounds Drive and Redwood Parkway, including the Redwood Parkway – I-80 Interchange, from SR 37 to Redwood Parkway. A Project Study Report for the project is complete. This is a Route of Regional Significance. See Projects 09CTP 148 and 09CTP 146 (Vallejo)	Preliminary Design

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 037	Solano County	Jepson Parkway to the north and south gates of Travis Air Force Base	Arterials, Highways and Freeways - Arterial	Construct improvements to Petersen Road, Canon Road, and North Gate Road. This is a Route of Regional Significance.	Preliminary Design
09CTP 025	Solano County	Improve the surface condition of areas with deficient pavement on I-80	Arterials, Highways and Freeways - Freeway	Pavement conditions on sections of I-80 need significant rehabilitation. Construction complete on some segments. Other segments are planned. This is a Route of Regional Significance.	Planned
09CTP 026	Solano County	I-80 from Leisure Town Road to Kidwell Road	Arterials, Highways and Freeways - Freeway	Construct one additional mixed-flow lane in each direction. This project was also submitted by the City of Dixon. This is a Route of Regional Significance.	Planned
09CTP 027	Solano County	I-80 from Carquinez Bridge to SR 37	Arterials, Highways and Freeways - Freeway	Improve traffic flow and safety through Vallejo, including consolidating ramps. This is a Route of Regional Significance.	Planned
09CTP 031	Solano County	Improve SR 113, including possible alternate alignments near Dixon	Arterials, Highways and Freeways - Highway	Widen SR 113 and consider realigning it outside of the City of Dixon to improve traffic flow. A Major Investment Study has been completed. This is a Route of Regional Significance.	Planned
09CTP 035	Solano County	Widen Peabody Road from 2 to 4 lanes	Arterials, Highways and Freeways - Arterial	Widen Peabody Road to 2 lanes in each direction, plus a Class 2 bike/ped facility. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 036	Solano County	Improve the County Routes of Regional Significance	Arterials, Highways and Freeways - Arterial	Construct improvements to various County roads, including Lake Herman Road, Lopes Road, Lyon Road, McCormack Road, Midway Road, Pedrick Road, Rockville Road and Suisun Valley Road. This is a Route of Regional Significance.	Planned
09CTP 039	Solano County	I-80 - Pedrick Road – Tremont Road – Kidwell Road area	Arterials, Highways and Freeways - Arterial	Construct various transportation improvements to accommodate projected increasing traffic in the north Dixon limited industrial area. This is a Route of Regional Significance.	Planned
09CTP 040	Solano County	Increase funding for maintenance and improvement of the County road system	Arterials, Highways and Freeways - Arterial	Seek new transportation funding to address a lack of adjustment for inflation in the gas tax since 1995, which has significantly reduced the effective funding for road maintenance and improvement activities.	Planned Program
09CTP 061	Suisun City	Main Street Improvements (Phase 2)	Arterials, Highways and Freeways - Arterial	Pavement, curb, sidewalk and utility enhancements along Main Street from Morgan Street to Highway 12. A portion of this project is funded by ARRA. This is a Route of Regional Significance.	Designed
09CTP 060	Suisun City	Cordelia Rd. from I-680 to SR 12	Arterials, Highways and Freeways - Arterial	Widen Cordelia Road from 2 lanes to 4, plus Class 2 bike lanes, from Pennsylvania Avenue to Lopes Road. This is a multiphase project. This is a Route of Regional Significance.	Planned
09CTP 075	Suisun City	Railroad Avenue Widening and Realignment (Middle and East Segment)	Arterials, Highways and Freeways - Arterial	Widen and reconstruct Railroad Avenue from Sunset Avenue to Humphrey Drive to a 3-lane arterial with class 2 bike lanes. Realign and widen Railroad Avenue from Humphrey Drive to East Tabor Avenue with new intersection at East Tabor Avenue and Olive Street. This is a multi-phase project. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 076	Suisun City	Railroad Avenue Extension (West Segment)	Arterials, Highways and Freeways - Arterial	Extend Railroad Avenue from Marina Boulevard to Main Street/Highway 12 On-Ramp and make a signalized intersection at Main St/Hwy 12 On-Ramp. This is a Route of Regional Significance.	Planned
09CTP 077	Suisun City	Downtown Suisun City Bypass Road	Arterials, Highways and Freeways - Arterial	Construct a 2 lane new arterial from Cordelia Road to Spring Street. The roadway is a part of the Suisun City downtown specific plan.	Planned
09CTP 084	Vacaville	I-505 SB/Vaca Valley Parkway	Arterials, Highways and Freeways - Arterial	Widen the SB off ramp at Vaca Valley Parkway and widen Vaca Valley Parkway to provide protected left turn pockets. Signalize the SB ramp intersection. This is a Route of Regional Significance.	Preliminary Design
09CTP 095	Vacaville	I-80 @ I-505 Weave Correction	Arterials, Highways and Freeways - Freeway	Construct weave corrections for WB traffic at the I-80/I-505 interchange and eliminate 4 to 3 WB lane drop at the interchange. This is a Route of Regional Significance.	Planned
09CTP 078	Vacaville	I-80 WB/Alamo Dr.- Merchant St On-Ramp	Arterials, Highways and Freeways - Arterial	Widen bridge over Alamo Creek and extend WB on-ramp to provide standard acceleration lane and merge. This is a Route of Regional Significance.	Planned
09CTP 079	Vacaville	I-80 WB/Mason St. On-Ramp	Arterials, Highways and Freeways - Arterial	Extend WB on-ramp to provide standard acceleration lane and merge. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 080	Vacaville	I-80 WB/Davis-/ Hickory St. On-Ramp	Arterials, Highways and Freeways - Arterial	Extend WB on-ramp to provide standard acceleration lane and merge. This is a Route of Regional Significance.	Planned
09CTP 081	Vacaville	I-80 EB/ Cliffside Dr. On-Ramp	Arterials, Highways and Freeways - Arterial	Widen bridge over Mason St. and extend EB on-ramp to provide standard acceleration lane and merge. This is a Route of Regional Significance.	Planned
09CTP 082	Vacaville	I-80 EB/Davis St On-Ramp	Arterials, Highways and Freeways - Arterial	Widen bridge over Davis St. and extend EB on-ramp to provide standard acceleration lane and merge. This is a Route of Regional Significance.	Planned
09CTP 083	Vacaville	I-80/California Drive Extension and Overcrossing	Arterials, Highways and Freeways - Arterial	Extend California Drive as 4-lane arterial from Marshall Road to Pena Adobe Road. Construct new 4-lane overcrossing @ I-80 with no freeway connections. Local Project	Planned
09CTP 085	Vacaville	I-505/Vaca Valley Pkwy Interchange.	Arterials, Highways and Freeways - Arterial	Widen the existing overcrossing to 3 lanes in each direction with protected turn pockets. Modify existing spread diamond to provide partial cloverleaf design. New bridge to accommodate pedestrian and Class 2 bicycle facilities. This is a Route of Regional Significance.	Planned
09CTP 088	Vacaville	Midway Rd. (Putah South Canal to I-80)	Arterials, Highways and Freeways - Arterial	Widen Midway Rd. in both directions to provide a 4-lane, un-divided arterial. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 090	Vacaville	Orange Drive Extension (current eastern terminus to Weber/Meridian Rd.)	Arterials, Highways and Freeways - Arterial	Extend Orange Drive as a 4-lane, divided arterial from its current terminus east of Leisure Town Road to the Weber/Meridian Rd interchange. Local Project.	Planned
09CTP 091	Vacaville	Vaca Valley Pkwy. (Wrentham Dr. to Gibson Canyon Rd.)	Arterials, Highways and Freeways - Arterial	Extend Vaca Valley Pkwy. as a 4-lane, divided arterial from Wrentham Dr. to Gibson Canyon Rd., aligning with Farrel Rd. To include either Class 1 or Class 2 Bike facilities. Local Project	Planned
09CTP 092	Vacaville	Vaca Valley Pkwy. (Crescent Dr. to Browns Valley Pkwy.)	Arterials, Highways and Freeways - Arterial	Widen Vaca Valley Pkwy to provide 4 lanes with divided median and protected turn pockets from I-505 to Browns Valley Pkwy; and 6 lanes with divided median and protected turn pockets from I-505 to Crescent Dr. Local Project	Planned
09CTP 146	Vallejo	I-80 / Redwood Interchange	Arterials, Highways and Freeways - Freeway	Improve on/off ramp circulation from I-80. This is a Route of Regional Significance.	Planned
09CTP 148	Vallejo	Fairgrounds Dr from SR 37 to Redwood	Arterials, Highways and Freeways - Freeway	Increase capacity of roadway segment. This is a Route of Regional Significance.	Planned
09CTP 114	Vallejo	SR 37 from Napa River Bridge to SR 121	Arterials, Highways and Freeways - Highway	Widen SR 37 from 2 to 4 lanes, plus shoulders. Maintain current median barrier. This is a Route of Regional Significance. Portions of this project are not in Solano County.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 116	Vallejo	Improve SR 29 through Vallejo	Arterials, Highways and Freeways - Highway	Pedestrian and landscaping improvements. This is a Route of Regional Significance.	Planned
09CTP 113	Vallejo	Improve I-80/American Canyon Rd. interchange including park & ride lot	Arterials, Highways and Freeways - Arterial	Construct interchange improvements, including ramp roundabouts. Examine potential of construction formal Park and Ride lot to replace casual lot currently in use.	Planned
09CTP 115	Vallejo	Improve SR 37/Mare Island Interchange and Azuar and Railroad from SR 37 to G St.	Arterials, Highways and Freeways - Arterial	Improve major roadways on and connecting to Mare Island. Some, but not all, of these are Routes of Regional Significance.	Planned
09CTP 117	Vallejo	Columbus Pkwy from Benicia Rd. to SR 37	Arterials, Highways and Freeways - Arterial	Widen Columbus Pkwy in each direction. Complete from SR 37 to Springs St. Springs St. to Benicia Road planned. This is a Route of Regional Significance.	Planned
09CTP 138	Vallejo	I-80/Turner Overcrossing	Arterials, Highways and Freeways - Arterial	Add additional east-west connection to local streets; may provide bike/ped access across I-80.	Planned
09CTP 150	Vallejo	Mare Island Causeway	Arterials, Highways and Freeways - Arterial	Replace existing causeway bridge. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 147	Vallejo	SR 37 / Fairgrounds interchange	Arterials, Highways and Freeways - Arterial	Improve on/off ramp circulation to SR 37. This is a Route of Regional Significance.	Planned
09CTP 030	STA	SR 12 West Jameson Canyon	Arterials, Highways and Freeways - Freeway	Widen SR 12 in Jameson Canyon to 2 lanes plus shoulders, including a Class II bike lane, in each direction from Red Top Road to SR 29 in Papa County. Does not include SR 29 or I-80 interchange improvements. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield, the County of Solano, and the City of Suisun City.	Permitted and Ready to Construct
09CTP 234	STA	I-80 EB Cordelia Truck Scales Relocation	Arterials, Highways and Freeways - Freeway	Construct new truck scales approximately ½ mile east of current location on I-80 EB, with braided ramps between I-80 and SR 12 East. Construction to start in FY 2011-12. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield.	Designed
09CTP 002	STA	I-80/I-680/SR12 Interchange	Arterials, Highways and Freeways - Freeway	Construct improvements to I-80/I-680/ SR 12 Interchange to reduce congestion, improve safety, accommodate future truck traffic and reduce cut-through traffic. The project will be built in phases. This is a Route of Regional Significance. This project was also submitted by the City of Benicia, the City of Fairfield, the County of Solano, and the City of Suisun City.	Preliminary Design

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 033	STA	Jepson Parkway	Arterials, Highways and Freeways - Arterial	Construct a 4-lane continuous expressway from SR 12, along Walters Road, Cement Hill Road, Vanden Road and Leisure Town Road to I-80. The project includes transit pull-outs and shelters, and Class I bike/ped facilities. This is a multiphase project. Portions of the parkway are complete. Other portions are planned. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield, the County of Solano, the City of Suisun City, and the City of Vacaville.	Preliminary Design
09CTP 016	STA	Countywide Gateways	Arterials, Highways and Freeways - Freeway	Develop gateway landscape and hardscape treatments for locations identified in the Solano Highway Improvement Program (SOHIP).	Planned
09CTP 093	STA	I-80 and I-680 ITS	Arterials, Highways and Freeways - Freeway	Install and activate Intelligent Transportation System (ITS) elements, including ramp metering, along I-80 and I-680 per the <i>I-80/I-680 /I-780 Corridor Operations Improvement Plan</i> . This is a Route of Regional Significance.	Planned
09CTP 101	STA	I-80 Auxiliary Lanes	Arterials, Highways and Freeways - Freeway	Construct Auxiliary Lanes on I-80 and I-680 per the <i>I-80/I-680 /I-780 Corridor Operations Improvement Plan</i> . This project was also submitted by the City of Vallejo. This is a Route of Regional Significance.	Planned
09CTP 235	STA	I-80 WB Cordelia Truck Scale Relocation	Arterials, Highways and Freeways - Freeway	Construct new truck scales approximately 1/2 mile east of current location on I-80 WB, with braided ramps between SR 12 east. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 236	STA	I-80 and I-680 HOV Lanes	Arterials, Highways and Freeways - Freeway	Construct new HOV Lanes: a) I-80 from the Contra Costa County line to SR 37 b) I-80 from SR 37 to Red Top Road c) I-80 from Airbase Parkway to I-505 d) I-80 from I-505 to the Yolo County line e) I-680 from the Benicia Bridge to I-80 This is a Route of Regional Significance. This project was also submitted by the City of Fairfield, the County of Solano, the City of Vacaville and the City of Vallejo.	Planned
09CTP 237	STA	I-80 and I-680 Express Lanes	Arterials, Highways and Freeways - Freeway	Convert existing and planned HOV lanes to Express (aka HOT) Lanes; operate as a part of regional Express Lane network. This is a Route of Regional Significance. This project was also submitted by the City of Benicia.	Planned
09CTP 029	STA	SR 12 East improvements from I-80 to Rio Vista, including the Rio Vista Bridge	Arterials, Highways and Freeways - Highway	Widen SR 12 from 4 lanes to 6 lanes from I-80 through Suisun City. Widen SR 12 from 2 lanes to 4 lanes from Walters Road to Rio Vista. This includes replacing the Rio Vista Bridge over the Sacramento River. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield, the City of Rio Vista, the County of Solano, and the City of Suisun City.	Planned
09CTP 183	STA	SR 113 from SR 12 to Midway Road Improvements	Arterials, Highways and Freeways - Highway	Improve curves, shoulders and pavement on SR 113 from SR 12 north to Midway Road, per the SR 113 Major Investment Study. This is a Route of Regional Significance.	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 166	STA	McCormack Road	Arterials, Highways and Freeways - Arterial	Improve McCormack Road, Canright Road and Azevedo Road from SR 113 to SR 12 to provide a parallel alternate to SR 12. Improve the roadways to County standard travel lanes and shoulders. This is a Route of Regional Significance. This project was also submitted by the City of Rio Vista.	Planned
09CTP 178	STA	Streets and Roads Rehabilitation	Arterials, Highways and Freeways - Arterial	Provide adequate funding to maintain local streets and roads at an acceptable Pavement Condition Index.	Planned Program
09CTP 231	STA	Complete Streets	Arterials, Highways and Freeways - Arterial	Implement MTC's Complete Streets program on projects receiving STA funding.	Planned Program
09CTP 032	STA	North Connector	Arterials, Highways and Freeways - Arterial	Construct a 4-lane roadway parallel to I-80, from Abernathy Road across the lower Suisun Valley, along Business Center Drive, connecting to SR 12. The East Segment (Suisun Parkway) is under construction. The central segment is under construction. The West Segment will be a 2-lane roadway connecting Business Center Drive to SR 12 Jameson Canyon. The west segment status is currently unfunded. This is a Route of Regional Significance. This project was also submitted by the City of Fairfield and the County of Solano.	<u>Under Construction</u>

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 217	Dixon	Parkway Blvd Overcrossing	Arterials, Highways and Freeways - Arterial	Construct a new overcrossing of the UPRR tracks, connecting Parkway Boulevard and Pitt School Road, includes 2 travel lanes in each direction plus Class I bike/ped facility. EIR certified by Council in August 2009. <i>This roadway is recommended for designation as a Route of Regional Significance.</i>	Designed
09CTP 218	Dixon	Vaughn Road Railroad Bypass Project	Arterials, Highways and Freeways - Arterial	Construct a four-lane bypass route of Vaughn Road to connect to Pedrick Road without crossing the UPRR tracks. <i>This roadway is recommended for designation as a Route of Regional Significance.</i>	Planned
09CTP 083	Vacaville	I-80/California Drive Extension and Overcrossing	Arterials, Highways and Freeways - Arterial	Extend California Drive as 4-lane arterial from Marshall Road to Pena Adobe Road. Construct new 4-lane overcrossing @ I-80 with no freeway connections. <i>This roadway is recommended for designation as a Route of Regional Significance.</i>	Planned

CTP ID	Agency	Location / Title	Element	Description	Project Status
09CTP 090	Vacaville	Orange Drive Extension (current eastern terminus to Weber/Meridian Rd.)	Arterials, Highways and Freeways - Arterial	Extend Orange Drive as a 4-lane, divided arterial from its current terminus east of Leisure Town Road to the Weber/Meridian Rd interchange. <i>This is a local project recommended for exclusion from the CTF.</i>	Planned
09CTP 091	Vacaville	Vaca Valley Pkwy. (Wrentham Dr. to Gibson Canyon Rd.)	Arterials, Highways and Freeways - Arterial	Extend Vaca Valley Pkwy. as a 4-lane, divided arterial from Wrentham Dr. to Gibson Canyon Rd., aligning with Farrel Rd. To include either Class 1 or Class 2 Bike facilities. <i>This is a local project recommended for exclusion from the CTF.</i>	Planned
09CTP 092	Vacaville	Vaca Valley Pkwy. (Crescent Dr. to Browns Valley Pkwy.)	Arterials, Highways and Freeways - Arterial	Widen Vaca Valley Pkwy to provide 4 lanes with divided median and protected turn pockets from I-505 to Browns Valley Pkwy; and 6 lanes with divided median and protected turn pockets from I-505 to Crescent Dr. <i>This is a local project recommended for exclusion from the CTF.</i>	Planned



DATE: January 15, 2010
TO: STA Arterials, Highways, and Freeways Committee
FROM: Robert Macaulay, Director of Planning
RE: Comprehensive Transportation Plan (CTP) Update – Arterials, Highways, and Freeways Goal Gap Analysis

Background:

The STA Board has initiated an update of the Solano Comprehensive Transportation Plan (CTP). The CTP is the STA’s primary long-range planning document. The CTP consists of three main elements: Alternative Modes; Arterials, Highways and Freeways; and, Transit.

The first task completed by the CTP – Arterials, Highways, and Freeways committee was the adoption of an Arterials, Highways, and Freeways Element Purpose Statement and Goals document in July of 2008. In October 2009, the STA Board adopted the first-ever State of the System – Arterials, Highways and Freeways report, describing the components and existing conditions of the freeway and major arterial system.

STA staff’s current task is to identify the gap between the Purpose Statement and Goals and the State of the System.

Discussion:

In order to perform this ‘gap analysis,’ STA staff has reviewed each of the Goals adopted for the Arterials, Highways, and Freeways Element, and prepared an analysis of whether the Goal:

- **Completed** – this is a goal with a specific end-point that has been reached, such as the construction of a facility or the identification of Transit Facilities of regional Significance. This also includes the initiation of an on-going program.
- **Significant Progress** – this is a project with substantial completion; typically, more than 10% Plans, Specifications and Estimates (PS&E) but not yet into construction or completion. It also includes studies where data collection and analysis has started, but final recommendations have not been adopted.
- **Preliminary Proposal** – finally, this category covers projects that have less than 10% PS&E, plans that have not started data collection, and programs that have no administrative and/or financial commitments and no start date.

The draft gap analysis is included as Attachment A. STA staff is requesting the committee review the report and take action at the next Arterials, Highways, and Freeways Committee Meeting.

Fiscal Impact:

None. However, the gap analysis will help direct STA staff when preparing draft implementation policies and the subsequent development of funding strategies and recommendations.

Recommendation:

Informational

Attachment:

A. CTP Update – Transit Element Goal Gap Analysis

Arterials, Highways, and Freeways Element

DRAFT Purpose Statement and Goals Gap Analysis

OVERALL COMPREHENSIVE TRANSPORTATION PLAN

PURPOSE STATEMENT: The Solano Comprehensive Transportation Plan will help fulfill the STA's mission by identifying a long-term and sustainable transportation system to provide mobility, reduce congestion, and ensure travel safety and economic vitality to Solano County.

Arterials, Highways, and Freeways Element Purpose Statement: Identify existing and future safety, capacity, and enhancement needs for the major arterials, highways, and freeways in Solano County that serve inter-city and interregional travel.

Measuring Goals. The following criteria are used to measure the progress on meeting the goals of the Transit Element:

- **Completed** – this is a goal with a specific end-point that has been reached, such as the construction of a facility or the identification of Transit Facilities of regional Significance. This also includes studies that have been adopted (even if recommendations have not yet been implemented) and the initiation of an on-going program.
- **Significant Progress** – this is a project with substantial completion; typically, more than 10% Plans, Specifications and Estimates (PS&E) but not yet into construction or completion. It also includes studies where data collection and analysis has started, but final recommendations have not been adopted.
- **Preliminary Proposal** – finally, this category covers projects that have less than 10% PS&E, plans that have not started data collection, and programs that have no administrative and/or financial commitments and no start date.

Goals. Goals are the milestones by which achievement of the Purpose Statement are measured. In order to implement the Arterials, Highways, and Freeways Element of the overall purpose of the Solano CTP, the following goals are established:

1) Invest available funds in maintaining a minimum Pavement Conditions Index (PCI) of **63** on the STA's Routes of Regional Significance.

a. ~~Advocate Caltrans to maintain a similar standard on state highways and interstate system.~~

Preliminary Proposal. The STA currently allocates federal Surface Transportation Program funds for Local Streets and Roads projects through a funding distribution formula. Funding amounts are determined based on a percentage of population, lane mileage, arterial and collector shortfall, and preventative maintenance. The formula includes PCI scores of 60 to 70 points and above as part of preventative maintenance analysis.

Note that the goal of 63 was established to be consistent with MTC’s goal for the region to keep the PCI scores at a “Fair” rating. Pavement conditions are rated by their PCI score with the following ranks:

Score	Rating
80-89	Very Good
70-79	Good
60-69	Fair
50-59	At-Risk
25-49	Poor

The STA has not adopted a policy that mandates the formula only consider a PCI score of 63 and above. In addition, the city or county agency has discretion for which roads receive Local Streets and Roads funding. Agencies do not have to use the funds to maintain or achieve PCI of 63 on the Routes of Regional Significance.

- 1.a. Caltrans uses a “Distressed Lane Miles” for pavement conditions for resource allocation and maintenance on the freeway and highway network.
- 2) Identify, prioritize, and implement safety improvements on Solano County’s highway and freeways to reduce vehicle collisions and severe accidents below the statewide average for similar types of facilities.

Significant Progress. STA adopted the Solano Travel Safety Plan in 1998. The 2001 SR 12 MIS contained a significant segment on accident data; in 2006, the STA reactivated the SR 12 committee, and made a major investment in SR 12 safety, including sponsoring an Office of Traffic Safety grant, designation of a double fine zone and dedication of the Officer David Frank Lamoree memorial highway, and the dedication of \$150,000 of STIP PPM funds for FY 09-10 and 10-11 to help produce a new SR 12 MIS. Safety and accident data was collected and analyzed as a part of the SR 113 MIS. However, there is not an overarching schedule of safety data gathering and analysis, and not all plans use the same safety statistics in analyzing roadway safety.

- 3) Develop performance measures for funding and prioritizing arterials, highways, and freeway projects in Solano County.

Significant Progress. STA has developed performance measures for highways, freeways and roadway corridors through Major Investment Studies (MIS) and other similar documents. Performance measures are not developed or monitored for local roads. Typical performance measures include:

1. Level of Service (LOS)
2. Vehicle Hours Delayed (VHD)
3. Accidents rates compared to statewide average for similar types of facilities

Other Performance Measures exist and incorporated in separate plans and documents; however, the STA currently does not have standardized performance measurement for funding and prioritizing arterials, highways, and freeway projects in Solano County.

- 4) Support funding improvements identified in the STA's Routes of Regional Significance to accommodate transit routes and bicycle and pedestrian facilities included in the Solano Countywide Bicycle and Pedestrian Plans that is consistent with MTC's Routine Accommodations for Non-Motorized Vehicles.
 - a. Encourage local agencies to adopt similar standards for local road systems not included in the STA's Routes of Regional Significance

Preliminary Proposal. MTC created Routine Accommodations as part of resolution 3765 and calls for creation and implementation of a checklist that promotes the routine accommodation of non-motorized travelers in project planning and design. Solano County's Routes of Regional Significance and Transit Facilities of Regional Significance were developed as part of the current CTP update. The STA needs to determine what MTC's Routine Accommodations (also known as Complete Streets) means for Solano County. STA has planned complete streets/multimodal corridors including the Jepson Parkway and the North Connector. Complete Streets concepts will be developed as part of the Alternative Modes Element of the STA's Comprehensive Transportation Plan.

- 4a. Preliminary Proposal.** Local agencies, along with the STA, will need to determine what complete streets means for their jurisdiction.

- 5) Develop and maintain an arterials, highways and freeways system that facilitate and encourage carpool, vanpools and multi-modal transportation through the use of seamless High Occupancy Vehicle (HOV) lane network, connections to regionally significant transit facilities, and park and ride lots.

Significant Progress. A complete HOV Lane Network for I-80 and I-680 is planned for Solano County. HOV lanes were recently constructed on I-80 between Fairfield from Red Top Road to Air Base Parkway. The STA is currently working with MTC to help fund an extension of the current HOV network through Express Lanes.

- 6) Update Solano County's Routes of Regional Significance to implement the STA's 50/50 policy*.

Preliminary Proposal. Eligible projects on Solano County's Routes of Regional Significance are being considered. The 50/50 policy will be updated once the project's list is completed.

*50/50 Funding Policy commits STA to fund 50% of local interchange improvements and significant roadways that provide a local alternative to using state highway for travel between two cities.

- 7) Prioritize roadway projects for available and future funding with the following criteria:
 - a. Project Deliverability
 - b. Safety improvements
 - c. Increased system efficiency
 - d. Capacity improvements
 - e. Goods movement enhancements
 - f. Climate change policies
 - g. Routes of Regional Significance
 - h. Economic Development

Significant Progress. STA has begun to develop a process for prioritization of roadway project funds, including identifying priority projects by community, determining project readiness and needs, and comparing project putting projects in the context of adopted studies such as the I-80/I-680/I-780 Operations Plan. This draft funding strategy does not use all of the criteria identified in this CTP Goal. In addition, the STA has developed criteria through the Regional Transportation Impact Fee (RTIF) study to rate potential RTIF-recipient projects.

- 8) Prepare and maintain an up-to-date travel demand model for Solano and Napa counties. The model should have the following characteristics:
 - a. Consistent with MTC requirements, including use of ABAG projections.
 - b. Use a future year adequate to meet Caltrans requirements.
 - c. Substantially revised after each decennial census, and updated with new ABAG projections.
 - d. Ensure traffic model provides information relevant to traffic congestion and air pollution reduction strategies.

Significant Progress. Current model was originally adopted in 2005 and was recently updated in 2008. The model continues (and will continue) to have ongoing refinements. Over the last two years, the model was refined to include updated land use information and forecasted traffic counts for the years 2010 and 2030. A broader update of the model is expected to occur relative to the 2010 census. The STA has taken steps to formalize the Model Technical Advisory Committee to include a land use subcommittee.

- 9) Anticipate and **fully** mitigate arterial, highway, and freeway project's environmental impacts
 - a. Special emphasis should be given to air emission and greenhouse gas reduction.
Significant progress. Individual environmental documents will need to meet requirements of SB 375 and AB 32. The STA is currently working on a climate change strategy in partnership with the local agencies. In addition, STA is working with MTC and ABAG on the Sustainable Communities Strategy.
 - b. Where appropriate, be consistent with the Solano County Habitat Conservation Plan's (HCP) avoidance and mitigation measures.

Significant progress. The HCP standards were used in the development in the Jepson Parkway and North Connector Environmental Documents.

- 10) Identify and prioritize Right of Way (ROW) needed to preserve to meet long-term traffic demands.

Preliminary Proposal. An inventory of ROW needs has not been completed.

- 11) Identify and obtain potential funding sources to implement the Arterials, Highways and Freeways Element of the Solano Comprehensive Transportation Plan.

Significant progress. STA continues to identify and monitor Federal, State, and Regional funding opportunities. This will continue to be an ongoing activity. In addition, STA is exploring local funding opportunities such as a Regional Traffic Impact Fee and Express Lanes