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Members:

- Benicia
- Dixon
- Fairfield
- Rio Vista
- Solano County
- Suisun City
- Vacaville
- Vallejo

Arterials, Highways, and Freeways Element

Committee Meeting Agenda

Solano Transportation Authority

One Harbor Center, Suite 130

Suisun City, CA 94585

1:30 p.m. Thursday, December 11, 2008

ITEM

BOARD/STAFF PERSON

I. CALL TO ORDER – SELF INTRODUCTIONS
(1:30 p.m.)

Len Augustine, Chair

II. OPPORTUNITY FOR PUBLIC COMMENT
(1:33-1:40 p.m.)

Len Augustine, Chair

**III. APPROVAL OF DECEMBER 11, 2008 ARTERIALS,
HIGHWAYS AND FREEWAYS AGENDA**
(1:40-1:45p.m.)

Len Augustine, Chair

**IV. APPROVAL OF SEPTEMBER 9, 2008 ARTERIALS,
HIGHWAYS AND FREEWAYS MEETING MINUTES**
Page 1
(1:45-1:50 p.m.)

Len Augustine, Chair

V. ACTION ITEMS

A. Solano County Routes of Regional Significance

Robert Guerrero, STA

Recommendation:

Forward a recommendation to the STA Board to approve the Solano County Routes of Regional Significance network.

Page 5
(1:50-2:05p.m.)

VI. DISCUSSION ITEMS

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

Robert Macaulay, STA

Page 11
(2:05-2:20 p.m.)

ARTERIALS, HIGHWAYS, AND FREEWAYS COMMITTEE MEMBERS

Len Augustine Chair
City of Vacaville

Elizabeth Patterson
City of Benicia

Jack Batchelor,
City of Dixon

Harry Price
City of Fairfield

Vacant
City of Rio Vista

Pete Sanchez
City of Suisun City

Mike Reagan
County of Solano

Paul Wiese
Technical Advisory
Committee

VII. COMMITTEE MEMBER COMMENTS

(2:20-2:25 p.m.)

VIII. NEXT MEETING DATE

(2:25-2:30 p.m.)

Establish date and agenda for next Committee meeting.

Len Augustine, Chair

IX. ADJOURNMENT- 2:30 p.m.

Len Augustine, Chair

ARTERTIALS, HIGHWAYS, AND FREEWAYS COMMITTEE MEMBERS

Len Augustine Chair
City of Vacaville

Elizabeth Patterson
City of Benicia

Jack Batchelor,
City of Dixon

Harry Price
City of Fairfield

Vacant
City of Rio Vista

Pete Sanchez
City of Suisun City

Mike Reagan
County of Solano

Paul Wiese
Technical Advisory
Committee



SOLANO TRANSPORTATION AUTHORITY
Arterials, Highways, and Freeways Committee
Draft Minutes for Meeting
September 10, 2008

I. CALL TO ORDER

Chair Augustine called the meeting to order at 4:00 p.m. A quorum was confirmed.

MEMBERS

PRESENT: Mayor Len Augustine (Chair) City of Vacaville
Mayor Harry Price (Vice-Chair) City of Fairfield
Mayor Pete Sanchez City of Suisun City
Mayor Elizabeth Patterson City of Benicia
Council Member Jack Batchelor, Jr. City of Dixon
Supervisor Mike Reagan County of Solano
Paul Wiese Technical Advisory Committee

MEMBERS ABSENT: Mayor Eddie Woodruff City of Rio Vista

STA STAFF

PRESENT: Daryl Halls Executive Director
Janet Adams Assistant Executive
Director/Director of Projects
Robert Macaulay Director of Planning
Robert Guerrero Senior Planner

ALSO

PRESENT: In Alphabetical Order by Last Name:
Dan Shiada City of Benicia Public Works
Matt Tuggle Solano County Transportation
Division

II. APPROVAL OF SEPTEMBER 10, 2008 ARTERIALS, HIGHWAYS AND FREEWAYS AGENDA

Committee Chair-Person, Mayor Augustine, explained that there were two action items to add to the agenda for discussion. On a motion by Supervisor Reagan and a second by Mayor Price, the Committee unanimously approved the September 10, 2008 Arterials, Highways and Freeways agenda with the both action items included. Ms. Patterson indicated that she had a schedule conflict and will need to leave early.

III. APPROVAL OF THE JUNE 25, 2008 ARTERIALS, HIGHWAYS AND FREEWAYS MEETING MINUTES

On a motion by Council Member Batchelor, and a second by Mayor Price, the Committee unanimously approved the June 25, 2008 Arterials, Highways and Freeways Meeting Minutes.

***By request, the Committee agreed to adjust the order of the agenda. Agenda Action Item V.B was discussed first, followed by Agenda Action Item V.A. Agenda Discussion Items IV.A and IV.B were discussed immediately after the Agenda Action Items were concluded.**

V. ACTION ITEMS

B. I-80/I-680/State Route (SR) 12 Interchange Fund Request

Janet Adams, STA, provided an overview of the funding allocated for the I-80 High Occupancy Vehicle (HOV) Lanes project in Solano County. She further explained that funding for the projects have to be programmed by 2013. Ms. Adams indicated that there was a large savings from the bids submitted for the HOV project. Ms. Adams explained that STA staff is seeking approval from the STA Board to submit a fund request to move the bid savings from the I-80 HOV Lanes Project to the I-80/I-680/SR 12 Interchange Project.

Council Member Batchelor asked if the I-80/I-680/SR 12 Interchange Project had a phase that could be constructed by the 2013 deadline. Ms. Adams responded that the Green Valley Overcrossing segment is part of the I-80/I-680/SR 12 Interchange Project and would be a likely candidate for the funds.

On a motion by Supervisor Reagan and a second by Mayor Sanchez, the Committee unanimously approved a recommended the STA Board authorize the Executive Director to forward a fund request to the California Transportation Commission (CTC) to move the bid savings from the I-80 HOV Lanes Project to the I-80/I-680/SR 12 Interchange.

B. Solano County Routes of Regional Significance

Robert Guerrero, STA, provided a summary of the Solano County Routes of Regional Significance and presented draft criteria for updating the current network. Mayor Patterson indicated that she is supportive of the Routes of Regional Significance; however, she wanted to clarify that just because a roadway is identified as regionally significant doesn't imply roadway expansion. Mayor Patterson elaborated by discussing the Lake Herman roadway segment in Benicia. She pointed out that Lake Herman isn't being planned to be widened; however, because it is considered a Route of Regional Significance it might benefit from future transportation funding related to pavement maintenance and shoulder improvements. Daryl Halls agreed and discussed the correlation to Fairfield's McGary Road project.

On a motion by Mayor Patterson and a second by Mayor Harry Price, the Committee unanimously recommended the STA Board to approve the Solano Routes of Regional Significance Criteria as described in Attachment B of the staff report.

IV. DISCUSSION ITEMS

A. Solano County Travel Demand Model

Robert Macaulay, STA, explained the functions of the Solano County Travel Demand Model. Mr. Macaulay presented a countywide map of the model's traffic forecast and provided details regarding the anticipated Level of Service for each jurisdiction. Mr. Macaulay also indicated that there are notable areas where the STA staff are re-evaluating the traffic model's output, particularly along the Jepson Parkway/Peabody Road area.

*Mayor Patterson thanked the committee and reiterated that she had a schedule conflict. Mayor Patterson left at 4:22 p.m.

Supervisor Reagan asked if STA consultants and contractors use the model and how their results get incorporated. Mr. Macaulay indicated that results are evaluated before updating the model to include any findings made by consultants and contractors. Mr. Macaulay also indicated that the model will continue to be updated to include new information as the cities and the County update their General Plans.

Mayor Price commented on modeling mechanisms for measuring air quality. Mr. Macaulay mentioned that the STA model assumptions can be used in other models specifically geared for air quality. Supervisor Reagan asked if the Sacramento Area Council of Governments (SACOG) and the San Joaquin Council of Governments (SJCOG) were involved in the development of the Solano County Traffic Model. Mr. Macaulay indicated that staff from both agencies were involved.

B. Solano County Congestion Management Program

Robert Macaulay briefly described the Solano County Congestion Management Program (CMP). Mr. Macaulay informed the committee members that the CMP is tool for the Solano Transportation Authority (STA) to monitor freeway, highway, and local road segment's Level of Service (LOS). Mr. Macaulay also indicated that the CMP is update every two years. There were no committee comments on this item.

VI. NEXT MEETING DATE

The Committee unanimously agreed to schedule the next Arterials, Highways and Freeways Committee meeting for October 8, 2008 at 4:30 p.m. in the STA Conference Room. STA staff indicated discussion topics for the next meeting include:

- State of the Roadway System report
- Routes of Regional Significance

Mayor Augustine requested that the STA also provide an update on current construction activities.

VII. ADJOURNMENT

The Arterials, Highways and Freeways Committee meeting was adjourned at 4:55 P.m.



DATE: December 4, 2008
TO: Arterials, Highways, and Freeways Committee
FROM: Robert Guerrero, Senior Planner
RE: Solano Routes of Regional Significance

Background:

On November 8, 2000, the STA Board approved its first “Routes of Regional Significance” map. The map includes the entire interstate and state highway system in Solano County, plus those existing local arterials that provide major points of access to the State highway system or provide regional connections between communities and key transportation facilities.

The initial map was intended to only depict those routes that were deemed critical for maintaining existing mobility between and through cities. Existing traffic volumes and existing levels of service were mainly used to develop the map. The map was also used for the initial traffic analysis for the Solano Comprehensive Transportation Plan (CTP), which was adopted in May 2002. The map was later used to update the Solano County Traffic Demand Model and was re-adopted without change in May 2005 as part of the 2005 CTP (See Attachment A for current Routes of Regional Significance map).

When the Routes of Regional Significance map was first developed, it was assumed that new or other significant routes could be added to the system. The need to consider additional “reliever routes”, frontage roads, arterials or major collector roads to this system was discussed briefly during the STA Technical Advisory Committee (TAC) meetings in late 2006 and on January 31, 2007. However, it was decided that the Routes of Regional Significance would be updated as part of the 2008 CTP process, which began in January 2008.

Discussion:

The primary function of the STA’s Routes of Regional Significance remains the same, they are the routes deemed critical for maintaining existing mobility between and through cities. However, in response to the CTP goals adopted by the STA Board on May 16, 2008, followed by the adoption of the CTP’s Arterials, Highways, and Freeways Element goals, the STA’s Routes of Regional Significance has become an important component in prioritizing funding for the roadway networks in Solano County.

The goals include added benefits for road segments incorporated in the Solano Routes of Regional Significance, such as:

1. Being eligible for the STA’s 50/50 Funding Policy (STA’s 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).

2. Maintaining a minimum Pavement Condition Index (PCI) of 63. Constructing improvements to accommodate transit routes and bicycle and pedestrian facilities consistent with MTC's Routine Accommodations for Non-motorized Vehicles.

In addition, the Solano Routes of Regional Significance will be the focus areas for project eligibility for the upcoming Regional Traffic Impact Fee.

On September 10, 2008 the Arterials, Highways, and Freeways Committee reviewed the criteria and unanimously approve the following criteria for new roadway segments to be included in the 2008 Routes of Regional Significance:

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.

STA staff met with city and the County of Solano staff to discuss potential roadway segments that meet the draft Routes of Regional Significance criteria. Input received from these individual meetings are provided in Attachment C and illustrated in Attachment. In consultation with the cities and the County, there were no new routes proposed that did not reasonably met at least one of the recommended Routes of Regional Significance criteria.

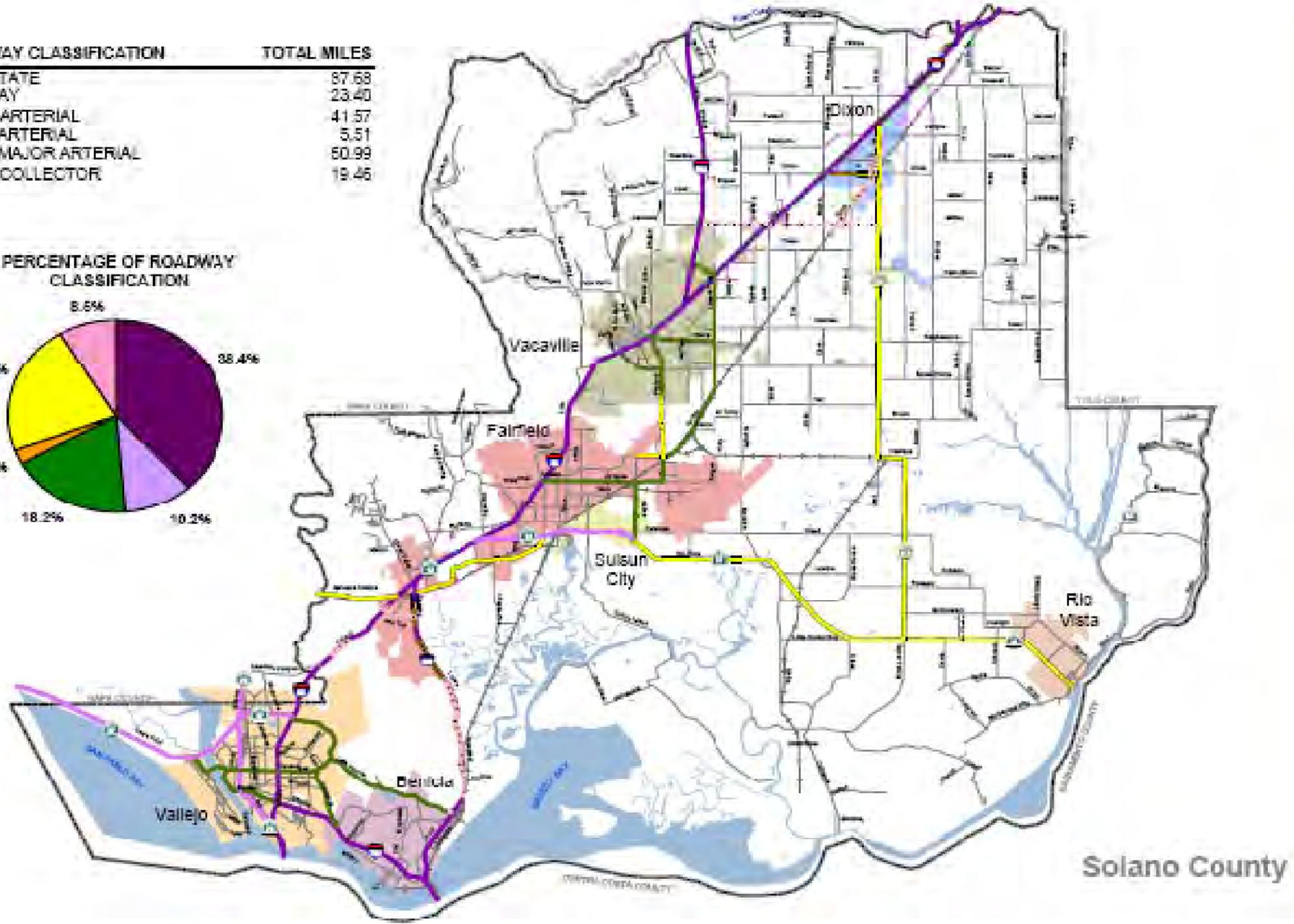
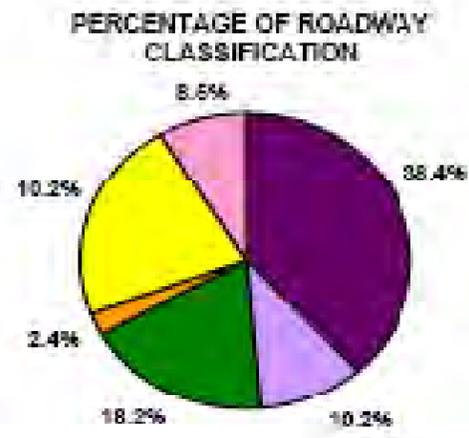
The STA Technical Advisory Committee (TAC) reviewed and recommended the draft Routes of Regional Significance Criteria and roadway segments for Board approval at their September 11, 2007 meeting.

Recommendation:

Forward a recommendation to the STA Board to approve the revised Routes of Regional Significance as shown in Attachments B and C.

- Attachments: A. 2005 Routes of Regional Significance Map
C. Draft 2008 Routes of Regional Significance Map
D. Draft Routes of Regional Significance Roadway Segments

ROADWAY CLASSIFICATION	TOTAL MILES
INTERSTATE	87.68
FREEWAY	23.40
MAJOR ARTERIAL	41.57
MINOR ARTERIAL	5.51
RURAL MAJOR ARTERIAL	50.99
MAJOR COLLECTOR	19.46



LEGEND

- INTERSTATE
- FREEWAY
- MAJOR ARTERIAL
- MINOR ARTERIAL
- RURAL MAJOR ARTERIAL
- COUNTY BOUNDARY

0 5
Miles
1.10.2005



Comprehensive Transportation Plan

Routes of Regional Significance

Figure #

Solano County Draft Routes of Regional Significance (2008)

Legend

Roads

Routes of Regional Significance — Local Roads

Transit and Park and Ride Facilities

(Existing Facilities)

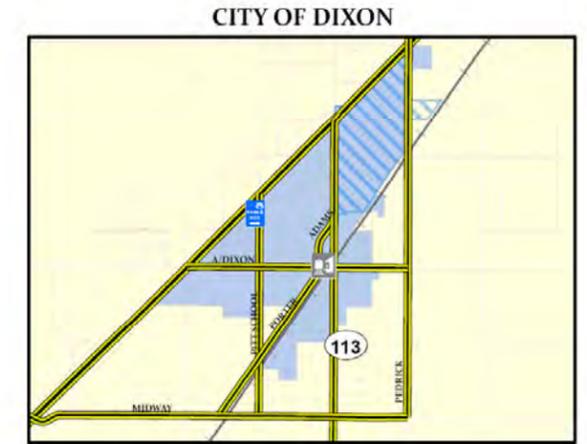
- Regional Commuter Rail Lines
- Bus Stop/Station and Park & Ride Lot
- Bus Stop Only
- Intercity Bus Service Yard
- Park and Ride Lot
- Ferry Facility
- Rail Station

(Future Facilities)

- Future Intercity Bus Stop/Station
- Future Ferry Facility
- Future Rail Station

Cities and Major Employment Centers

- Benicia
- Suisun
- Dixon
- Vacaville
- Fairfield
- Vallejo
- Rio Vista
- Employment Centers



Criteria

Agency	Name	Endpoint_A	Endpoint_B	CMP Network	Access to Existing and Planned Transit Centers Serving Intercity Trips	Access to Major Employer Centers with Higher Traffic Volumes	Intercity and Freeway/Highway Connection	Improves Countywide Emergency Response Route	Comments
Benicia	5th Street	Military West Street	I-780				x		
Benicia	Bayshore Drive	Port of Benicia	I-680				x		
Benicia	Columbus Parkway	I-780	Benicia/Vallejo CL				x		
Benicia	East 2nd Street	I-780	Lake Herman Rd/Lopes Rd			x	x		
Benicia	Lake Herman Road	I-680	Benicia CL			x	x		
Benicia	Military East Street	1st Street	East 5th Street	x					
Benicia	Military West Street	I-780	1st Street	x			x		
Caltrans	I-505	Solano County Limit (north)	Interstate 80	x		x	x		
Caltrans	I-680	I-80	Solano County Limit (south)	x	x		x		
Caltrans	I-780	I-80	I-680	x	x		x		
Caltrans	I-80	Solano County Limit (north)	Solano County Limit (south)	x	x				
Caltrans	SR 113	I-80	State Route 12	x	x	x	x		
Caltrans	SR 113	I-80	Solano County Limit (north)	x					
Caltrans	SR 12	I-80	Solano County Limit (east)	x	x				
Caltrans	SR 12 (Jameson Canyon Road)	Solano County Limit (west)	I-80	x			x		
Caltrans	SR 128	in NW corner Solano County	in NW corner of Solano County	x			x		
Caltrans	SR 220	SR 84	Solano County Limit (east)	x			x		
Caltrans	SR 29	I-80	Solano County Limit (north)	x	x				
Caltrans	SR 37	Solano County Limit (west)	Interstate 80	x			x		
Caltrans	SR 84	Solano County Limit (north)	State Route 12	x					
Dixon	A Street/ Dixon Avenue East	I-80	Pedrick Road		x		x		
Dixon	Adams Street	A Street/Dixon Avenue East	SR 113/First Street			x	x		
Dixon	Pedrick Road	Midway Road	Solano County Limit (north)			x	x	x	
Dixon	Pitt School Road	I 80	Midway Road		x		x		
Dixon	Porter Road	Midway Road	A Street						
Fairfield	Air Base Parkway	Walters Road	Peabody Road	x		x	x		
Fairfield	Air Base Parkway	Peabody Road	Travis Air Force Base			x	x		
Fairfield	Air Base Parkway	I-80	Walters Road			x	x		
Fairfield	Beck Avenue	I 80	SR 12		x				
Fairfield	Cadenasso Drive	Beck Avenue	Auto Mall Parkway		x				
Fairfield	Cement Hill Road/Manuel Campos Parkway	Peabody Road	I-80				x		
Fairfield	Cordelia Road	Lopes Road	Fairfield City Limit				x		
Fairfield	East Tabor Avenue	North Texas Street	Walters Road				X		
Fairfield	Gateway Boulevard	Travis Boulevard	Pennsylvania Avenue		X	X			
Fairfield	Green Valley Road	Business Center Drive	I-80		x				
Fairfield	Gregory Lane	Texas Street	Woolner Avenue		x				
Fairfield	Hilborn Road	Lyon Road	Waterman Boulevard		X				
Fairfield	Lopes Road	GreenValley/I-80 Overcrossing	Fairfield City Limits				x	x	
Fairfield	Lyon Road	Fairfield City Limit	Hilborn Road					x	
Fairfield	McGary Road	Red Top Road	Fairfield City Limit				x	x	
Fairfield	North Connector/Business Center	Fairfield City Limits	Suisun Creek				x	x	
Fairfield	Peabody Road	Fairfield City Limit	Air Base Parkway	x					
Fairfield	Pennsylvania Avenue	SR 12	Gateway Boulevard				x		
Fairfield	Red Top Road	SR 12	I-680				x		
Fairfield	Sunset Avenue	East Tabor Ave.	Fairfield City Limit				x		
Fairfield	Texas Street	West Texas	North Texas			x	x		
Fairfield	Travis Boulevard	I-80	Sunset Drive				x		
Fairfield	Walters Road	Fairfield City Limit	Air Base Parkway	x					

Vallejo	Columbus Parkway	I-80	Vallejo/Benicia City Limit				x		
Vallejo	Curtola Parkway	Maine Street	I-780/I-80 IC	x	x				
Vallejo	Fairgrounds Drive	Redwood Street	Napa County Line				x	x	
Vallejo	Lake Herman Road	Columbus Parkway	Vallejo/Benicia City Limit				x	x	
Vallejo	Lemon Street	Curtola Parkway	Sonoma Blvd		x				
Vallejo	Mare Island Causeway	Mare Island Way	Walnut Avenue					x	
Vallejo	Mare Island Way	Tennessee Street	Maine Street	x	x				
Vallejo	Marin Street	Curtola Parkway	York Street		x				
Vallejo	Railroad Avenue	Murphy Lane	SR 37				x		
Vallejo	Redwood Street	I-80	Sacramento Street				x		
Vallejo	Sacramento Street	Redwood Street	SR 37				x		
Vallejo	Sereno Drive	SR 29	Fairgrounds Drive				x		
Vallejo	Tennessee Street	Mare Island Way	I 80	x			x		
Vallejo	Tuolumne Street	Redwood Street	Sereno Drive					x	
Vallejo	Walnut Avenue	SR 37	G Street					x	
Vallejo	York Street	Sacramento Street	SR 29		x				



*Agenda Item V.A
December 11, 2008*

DATE: December 4, 2008
TO: Arterials, Highways, and Freeways Committee
FROM: Robert Macaulay, Director of Planning
RE: State of the System Report: Arterials, Highways and Freeways

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).

One of the most important tasks for the CTP update is to identify the gap between the current county-wide transportation system and the goals for the system at the end of the time period covered by the CTP (2035). Each of the three CTP steering committees has adopted a Purpose Statement and Goals. Each of the Committees will also be asked to review and adopt a State of the System report for the CTP Element they review.

The STA has not previously prepared comprehensive State of the System reports for any of its CTP elements. Each report will address three areas: what is the "system" being reported on; what are the physical facilities that make up the system; and what are the programs and/or operational characteristics of the system.

Discussion:

STA staff developed a draft State of the System Report for the Arterials, Highways and Freeways Element and seeks comments on the overall approach and content from the committee. The draft State of the Arterials, Highways and Freeways System Report is divided into two sections: Physical and Operations. The first report for committee discussion is the State of the Arterials, Highways and Freeways System Report: Physical. This report defines the roadway and freeway network the STA prioritizes for funding. It also summarizes accident hot spots as well as a brief discussion on the condition of pavement in Solano County. Lastly, the report provides a status on current road projects in Solano County.

The second report, State of the Arterials, Highways and Freeways System Report: Operations will be presented at a future committee meeting. Upon approval by the Arterials, Highways, and Freeways Committee and the STA Board, STA staff will include both reports in the Arterials, Highways, and Freeways Element of the CTP.

Recommendation:

Informational

Attachment: A. Draft State of the Arterials, Highways and Freeways System Report: Physical Conditions (Under Separate Cover)

Draft
State of the Arterials, Highways and Freeways System Report:
Physical Conditions

To Be Sent Under Separate Cover