

ACTION ELEMENT CONCLUSIONS – HIGHWAYS AND LOCAL STREETS AND ROADS

Background

This chapter documents BCAG’s “regional” priorities for future STIP funds. As a result of Senate Bill 45 passed in 1997, 75% of the revenues of the STIP are controlled by regional agencies such as BCAG. The remaining 25% of the STIP is controlled by Caltrans. With this shift in funding comes the responsibility of the regional agencies to identify and develop the state highway system improvements within the region, thus, “regional choice”. The same holds true for Caltrans with its share of “interregional” funding. While later legislation enabled the programming of local projects into the STIP process, it is important to realize that Caltrans does not have the funding capacity to fund state highway improvements within the region.

A function of the RTP is to serve as the foundation for the future preparation of the FTIP and RTIP. This ensures the programming documents are linked to the long range plan.

A total of \$193.3 million in STIP/Regional Improvement Program (RIP) funds is forecasted for Butte County for the 27 year period of this Plan. This assumes an average of approximately \$7.16 million per year over the RTP period. Subtracting what is currently programmed in the 2008 RTIP/STIP (\$32.77 million) leaves an anticipated programming capacity of approximately \$160.58 million.

A discussion of potential new funding revenues for transportation is presented in the Financial Element. The following list of projects included in the Action Element is consistent with the Goals, Policies and Objectives identified in Chapter 2.

Purpose and Need for State Highway Improvements

The purpose of the proposed projects is to improve the safety and operations of the state highways in Butte County. State highway improvements are needed to promote the economic vitality of the region in a safe and efficient manner. The following table identifies the proposed regional priority projects within the financial projections. These projects are included in the required emissions analysis demonstration as required. Projects were developed in consultation with Caltrans and are consistent with the California Interregional Transportation Improvement Program (ITIP)

Purpose and Need for Local Street and Road Improvements

The basic purpose for local street and road improvements is to improve safety, provide for operational improvements, and maintain the structural integrity of the roadway. These local roadway improvements are needed due to a severe backlog on long overdue roadway maintenance. As a result of insufficient funding projected in STIP funds, local street and road improvements are identified in the financial element as an “unfunded need”.

Regional Projects within Financial Constraints

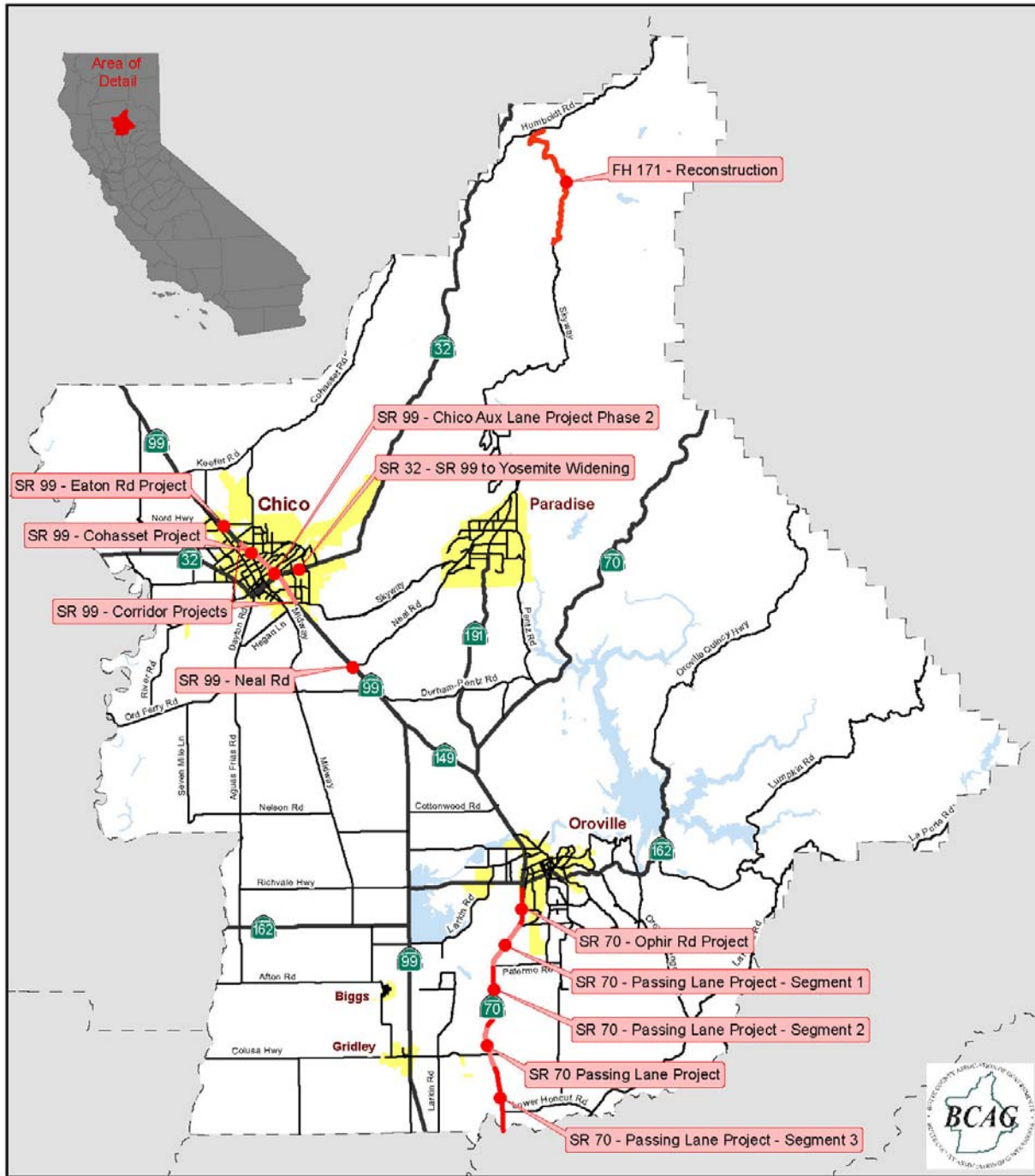
The following represents BCAG's "regional" priorities through the horizon of the RTP funded with Regional Improvement Program (RIP) funds in the State Transportation Improvement Program (STIP). The projects have been financially constrained by air quality analysis group year.

Table 6-1
State Transportation Improvement Program (STIP)

STIP - Project and Description	RIP Funds Only 2008 dollars in millions	Escalated dollars (Year)
1 SR 70 Ophir Rd Project – Existing Project. Funded and underway. Near Oroville, from just north of the Ophir Road intersection to 0.3 miles south of Route 162. Widen to 4 lanes and construct signals. Phase 1 only. Total Project cost is \$35.7m. Construction in 2008/09.	\$ 8.01 CON	\$ 8.01 (2009)
2. SR 70 Passing Lane Project – Existing Project. Funded and underway. From 0.7 miles south of East Gridley Rd to 0.4 miles north of Cox Lane. Construct passing lanes. Total Project cost is \$23m. \$20m is from Caltrans.	\$ 3 CON	\$ 3 (2010)
3. SR 99 Chico Auxiliary Lane Project Phase 2 – Existing Project. In Chico, from SR 32 to East 1 st Ave. Construct NB and SB auxiliary lanes. Funded with \$23.5m in SR 99 Bond funds.	\$11.485	\$11.485 (2010)
4. SR 70 Passing Lane - Segment 1. New Project. Terminus at Ophir Rd Project to .1 miles south of Palermo Rd. (2.7 miles) Total estimate for year 2018 is \$39.3m to be jointly funded at 50% with Caltrans.	\$ 12.65 All Components	\$ 19.7 (thru 2018)
5. SR 70 Passing Lane - Segment 2. New Project. Terminus at Segment #1, .1 mile south of Palermo Rd to terminus at north end of SR 70 Passing Lane Project currently under development (3.13 miles). Total estimate for year 2025 is \$64.1m to be jointly funded with Caltrans	\$ 14.7 All Components	\$32.05 (thru 2025)
6. SR 70 Passing Lane - Segment 3. New Project. Terminus at SR 70 Passing Lane Project to Yuba County line. Includes 2 of the 3 bridges, 3 rd bridge is located in Yuba County (3.37 miles). Total estimate for year 2030 is \$116m to be jointly funded with Caltrans.	\$ 20.8 All Components	\$58 (thru 2030)
7. SR 99 Cohasset Project. New Project. Construct southbound on ramps with operational improvements on the overcrossing over SR99 to address existing congestion. Total estimate for year 2018 is \$20m.	\$ 20 All Components	\$ 31 (2018)
8. SR 99 Eaton Rd Project. New Project. Reconstruct Interchange.	Locally funded	
9. SR 99 Neal Rd – Existing Local Project. Signalization Project / Interchange (locally funded, regionally significant).	Locally funded	
10. SR 99 Corridor Projects – New Project. Develop scope for future SR 99 Corridor Project(s). Balance of STIP fund Projections.		\$ 16.51 (thru 2035)
11. SR 32 – Existing Local Project. Widen to 4 lanes from SR 32 to Yosemite (locally funded, regionally significant 2.2 miles).	Locally funded	
12. Forest Highway 171 – Existing Project. Reconstruct Roadway from Inskip to Butte Meadows. Project is currently underway and partially funded with RIP, PLH and SAFETEA-LU. Remaining funds are for the RIP portion to complete construction (9.8 miles).	\$ 10.1 CON	\$10.1 (2012)
13. Plan, Program and Monitor (PPM). PPM funds are used for project delivery of the STIP.	\$3.5	\$ 3.5
TOTALS	\$129.9	\$193.35

Total regional priorities identified through horizon of RTP	\$193.35 million
Less: Financial Projection for STIP funds for Butte County	\$193.35 million
Balance Remaining	-0-

**Figure 6-1
Regional Priorities**



Regional Project Priorities Description

The following list of projects provides additional information on BCAG's regional priorities for the 2008 RTP.

State Route 149 Project – SR 149 is currently a 4.5 mile two-lane expressway. Improvements include widening to four lanes with freeway to freeway interchanges. This project has been programmed since the 1992 STIP. Fifteen years later, in the spring of 2007, the project broke ground for construction. Total costs for this project are approximately \$132 million. Once completed, the region will have a continuous 4 lane facility between the urbanized area of Chico and the county seat of government in Oroville. This project is presented in the RTP to illustrate BCAG's priority of connecting Sacramento to Chico with a continuous 4 lane facility.

State Route 70 Ophir Rd Project – SR 70 at Ophir Rd is a 2 lane conventional highway with an at grade intersection. The scope of the project is to extend the freeway from SR 162 to Ophir Rd with an interchange at Ophir Rd. The cost of this project is estimated at just over \$55 million. As part of the 2004 STIP cycle, BCAG phased a project which includes widening to four lanes with signals at Georgia Pacific Way and Ophir Rd. This project is needed to address existing safety and operational concerns. This stretch of SR 70 has one of the highest fatality rates in Northern California.

SR 70 Corridor Passing Lane Projects – The purpose of these projects is to provide projects that can be funded and constructed within the timeframe of the RTP. Based on cost and time capacity of increasing projects such as the SR 149 project, BCAG should direct its efforts toward addressing the safety and operational concerns along this corridor by constructing passing lanes in partnership with Caltrans District 3. BCAG has identified 4 segments to complete a 5 lane facility (four lanes with a center turn lane). The scope of these projects would be to construct, where feasible, passing lanes in Butte County to be funded in the STIP and the SHOPP as funding permits.

State Route 99 Chico Auxiliary Project – SR 99 through the urbanized area of Chico is a 4 lane freeway between the Skyway overcrossing and Eaton Road. This section of SR 99 has the highest accident rates north of Sacramento. The scope of the project is to add an auxiliary lane in both directions of the highway to accommodate traffic coming onto and off of the freeway. Currently, BCAG has a contract to construct Phase 1 beginning in the 2007/08 fiscal year. Phase 2 of the project was funded with SR 99 Bond funds and is slated for construction in the spring of 2010. Phase 2 includes operational and safety improvements consisting of adding northbound (NB) and southbound (SB) auxiliary lanes on SR 99 between SR 32 and East 1st Avenue interchanges and the widening of SR 32 and East 1st Avenue on and off ramps. Included in the widening for the East 1st Avenue NB off-ramp would be the provision for dual left turn lanes to facilitate the turning movements of exiting northbound traffic to westbound traffic on East 1st Avenue and the widening of East 1st Avenue. Total costs for this section of roadway are estimated to be \$55 million.

Forest Highway 171 Project – This project addresses a 9.6 mile stretch of Forest Highway 171 which is also referred to locally as the Upper Skyway, and Bull Hill Rd by FHWA. The scope of the project is to reconstruct and pave this section of roadway which lies between the communities of Inskip on the south and Butte Meadows on the north. This project is needed to address the safety and operational concerns in the event of a natural disaster such as a fire in the populated areas of Paradise and Magalia. This project provides three basic needs including: increased safety from fire, better access to recreational lands, and better access to USFS resource lands. BCAG has been successful in securing \$5 million toward construction of the project via the federal Public Lands Highway Program. During the 2007/08 fiscal year, FHWA authorized approximately \$1 million of the SAFETEA-LU funds to complete the construction. It is anticipated that the STIP and the balance of any federal funds will fund the construction component. Total cost for this project is estimated at \$19 million. BCAG will seek additional funds from the Public Lands Highway Program as well as congressional support in obtaining discretionary funds to complete this project.

SR 99 Cohasset Interchange Project –The purpose of this project is to address existing safety and operational concerns on the Cohasset Interchange and the surrounding local road network. This project (along with the SR 99 Chico Auxiliary Lane Project) was identified in the SR 99 Corridor study developed by BCAG. Specific improvements for the urbanized area of Chico were identified in the corridor study. The total cost of this project is estimated at \$31 million, which has been escalated for the year 2018.

The Skyway – The scope of this project is to add an additional two lanes of roadway over the Magalia Dam on the Skyway. This section of roadway is located between the Town of Paradise and the community of Magalia. Currently the county is developing the environmental component. A key concern is the number of traffic accidents that shut down traffic in both directions and cause significant delays. Emergency vehicles are also affected when accidents occur. Total construction costs are being developed as part of the environmental document. The total cost of this project is estimated at \$80 million. This project is not within BCAG financial projections and is provided for information only.

State Highway Operations and Protection Program (SHOPP)

The following 2008 State Highway Operations and Protection Program (SHOPP) have been adopted by the California Transportation Commission.

Table 6-2
2008 State Highway Operations and Protection Program

Route	Location/Description	PPNO	FY	Total (Thousands)
70	In and near Oroville, at Feather River Bridge #12-141R/L and on Route 162 at Thermalito Afterbay Bridge #12-0031. Seismic retrofit. Post Mile 14.8 / 0.0	2267	2009/10	\$ 6,558
70	Near Oroville, at West Branch Feather River Bridge #12-134. Seismic retrofit. Post Mile 28.2	2269	2011/12	\$ 23,409
70	In and Near Oroville, from 1.0 mile south of Route 162 to 0.1 mile north of Garden Drive. Upgrade guardrail and gore areas. (Project also includes an additional \$2 million of OTS funds.). Post Mile 12.7 / 16.7	2276	2011/12	\$ 843
99	Near Chico, 0.4 mile north of Estates Drive at Butte Creek Bridge #12-0126R. Replace bridge (scour mitigation). Post Mile 28.7	2421	2011/12	\$ 15,517
99	Near Biggs, from Rio Bonito Road to Route 162 east. Rehabilitate roadway. Post Mile 8.6 / 13.2	0011N	2008/09	\$ 29,514
TOTAL				\$ 75,841

Table 6-3
2008 Ten Year SHOPP

Route	Location and Description	Year	Total
70	WB Feather River Bridge – Pain Bridge	16/17	1,000
99	Pine Creek Bridge Scour Mitigation	12/13	2,000
32	Big Chico Bridge Scour Mitigation	13/14	150
70	Flag Canyon Bridge Scour Mitigation	13/14	750
99	Butte Creek Bridge Scour Mitigation	13/14	500
99	10 Bridges – Rail Upgrade	12/13	2,100
70	5 Bridges – Rail Upgrade	13/14	1,300

Table 6-3
2008 Ten Year SHOPP - Continued

32	4 Bridges - Rail Upgrade	13/14	1,500
70	Seismic Retrofit Pentz & Cherokee O/H	11/12	2,600
70	Pavement Rehab P.M. 13.5-17.0	13/14	8,000
	Oroville Maintenance Station	13/14	7,500
70	AC Overlay PM 28.8 -35.5	13/14	7,000
32	AC Overlay 12.0 - 37.8	15/16	18,000
162	Drainage Rehab - Big Butte Creek	15/16	1,000
99	Highway Planning and Irrigation Restoration	various	2,200
TOTAL			55,600

Congestion Mitigation and Air Quality Program

The following CMAQ projects have been programmed in the 2009 Federal Transportation Improvement Program (FTIP). Non road projects are identified in their respective chapter of the RTP.

Table 6-4
Congestion Mitigation and Air Quality Program
(\$1,000)

Applicant	Project	FTIP PERIOD (dollars in thousands)												
		Year 1		Year 2		Year 3		Year 4		Year 5		Totals		
		08/09	Local	'09/10	Local	10/11	Local	11/12	Local	12/13	Local	CMAQ	Local	
BCAG	Farebox - Paratransit	300											300	
BCAG	B-Line AVL/GPS System	700											700	
Chico	SR 99/Skyway Interchange Operational Improvements												0	
Chico	SR 99 Corridor Bikeway Project					1000	500						1000	500
Chico	SR 99/Cohasset Interchange									1650	8800		1650	8800
County	Street Sweeper													
Oroville	Spencer Ave Transit Ctr							1500	225				1500	225
Paradise	Park & Ride Lot/ Transit Stop	200	23										200	23
Paradise	Pearson / Recreation Drive Signal					130		1050	245				1180	245
Totals		1,200	23	-	-	1,130	500	2,550	470	1,650	8,800		6,530	9,793
Capacity		2,202		2,242		2,282		2,323		2,323			11,372	
Capc Available		1,002		2,242		1,152		(227)		673			4,842	

CMAQ Project Descriptions

Butte Regional Transit Farebox Project – The purpose of this project is to equip the B-Line Paratransit fleet with electronic fareboxes to streamline operations, save boarding time, increase flexibility in using the system for overall efficiencies and increase ridership.

B-Line AVL /GPS Project – The purpose of this project is to equip the B-Line transit fleet with automatic vehicle location / global positioning satellite tracking system to increase BCAG's ability to better manage the transit fleet for improved operations. This technology would also serve to have real time transit information at select transit centers and stops, as well as information over the internet.

SR 99 Chico Skyway Interchange Project – This project aims to improve the operations and traffic flow by reconfiguring the existing interchange to reduce travel delays and reduce vehicle emissions. This project does not add capacity.

SR 99 Chico Corridor Bikeway Project – This project provides a combination of Class 1 and Class 2 bike paths along SR 99 and local streets and roads to provide for a major north/south corridor through the urbanized area of Chico from Eaton Rd to the Skyway. This project aims to provide for connectivity with the rest of the Chico Bikeway System which aims to provide a viable alternative to driving, thus, reducing emissions.

SR 99 Chico Cohasset Interchange Project – This project aims to improve the operations and traffic flow by reconfiguring the existing interchange to reduce travel delays and reduce vehicle emissions. The reconfiguration includes signalization of the southbound exit ramp, realignment of the southbound diagonal entrance ramp, the construction of the southbound loop entrance ramp and the removal of the existing loop exit ramp and improvements on the Skyway from the overcrossing structure to just east of Carmichael Drive/Country Drive.

Spencer Avenue Transit Center Project – The purpose of this project is to construct a new transit center on Spencer Avenue in the City of Oroville. During the 2007/08 fiscal year, BCAG, on behalf of the City of Oroville, embarked in preparing the architectural drawings and the developmental components for this project with a SAFETEA-LU earmark. The CMAQ funds will fund the construction of a new regional transit center aimed at improving operations and increase transit ridership.

Paradise Park and Ride Project – The purpose of this CMAQ project is to provide a convenient location for motorists to park their vehicle and either carpool or utilize transit services to access employment and shopping opportunities outside of the Town of Paradise. This project on Pearson Rd will construct a new park and ride lot as well as a new transit shelter aimed at reducing emissions.

Pearson/Recreation Drive Signalization Project – The purpose of this CMAQ project in the Town of Paradise is to improve the traffic flow function of the Pearson Road/Recreation Drive intersection, eliminating the large number of idling vehicles, as well as reducing the number of vehicles that must come to a complete stop (due to the current 4-way stop configuration) with the goal of reducing emissions.

Other CMAQ projects that may be programmed within the timeframe of the 2009 FTIP include:

Transit Improvements -Park and Ride Lots – As a result of increased gas prices, some existing park and ride lots have reached their capacity. This/these projects would add park and ride capacity.

Transit Improvements – Intelligent Transportation System Projects – The purpose of these types of projects is to allow for projects which further the goal of increasing transit ridership. Projects may include real-time traveler information on the Internet, at select bus stops or other types of user improvements.

South Chico Park and Ride Lot / Transit Center – The purpose of this project is to provide for a south Chico transit center / regional hub.

SR 99 Skyway Project – The purpose of this project is to provide for operational improvements. This is a carryover project from the 2004 RTP and 2007 FTIP cycle that will likely be amended into the 2009 FTIP for \$4 million in CMAQ funds.

Clean Street Sweeper / Heavy Truck Equipment – The purpose of these projects is to provide for alternative fuel or cleaner diesel equipment for the local agencies as eligibility allows.

Public Lands Highway Program (PLH) - Forest Highway Projects

The following road projects have been programmed in the 2009 Federal Transportation Improvement Program (FTIP).

Table 6-5
Public Lands Highways Program

Location/Description	FY	Total
Forest Highway 171 – <u>Existing Project</u> . Reconstruct Roadway from Inskip to Butte Meadows. Project is currently underway and partially funded with RIP, PLH and SAFETEA-LU. Remaining funds are for the RIP portion to complete construction (9.8 miles).	2009	\$5,903 (2008/2009)

SAFETEA-LU Projects – Congressional Earmarks

The following road projects have been programmed in the 2009 Federal Transportation Improvement Program (FTIP).

Table 6-6
Congressional Earmark Projects

Location/Description	FY	Total
SR 70 at Georgia Pacific Rd Intersection – Existing Project. Description in SAFETEA-LU is funding toward construction of an interchange at the intersection.	2009	\$2,028 (2008/2009)
Forest Highway 171 – Existing Project. Reconstruct Roadway from Inskip to Butte Meadows. Project is currently underway and partially funded with RIP, PLH and SAFETEA-LU. Funds represent SAFETEA-LU only. \$5.8 million was identified in SAFETEA-LU. \$2.3 represents the balance of funds for the project.	2009	\$2,463 (2008/2009)
TOTAL		\$4,491

Highway Bridge Program - HBP

Based on the current HBP revenues and outlook for bridge projects, BCAG has estimated \$57.7 million for new projects over the horizon of the RTP. The first group of projects is expected to be amended into the 2009 FTIP quadrennial period in 2009. The following table identifies the bridge projects for Butte County:

Table 6-7
Local Highway Bridge Program
(Dollars in thousands)

Group 1 - 2008-2010	Cost Estimate
Ord Ferry at Sacramento Bridge - Bridge Retrofit	4,000
Oregon Gulch at Morris Ravine - Bridge Replacement	2,000
Durham Dayton Rd at Hamlin Slough - Bridge Replacement	2,200
Foothill Blvd at Wyman Ravine - Bridge Replacement	1,500
Group 2 - 2011-2018	
Midway at Butte Creek - Bridge Replacement	15,000
Keefer Rd at Keefer Slough - Bridge Replacement	1,500
Ord Ferry at Little Chico Creek - Bridge Replacement	7,000
Oregon Gulch at Morris Ravine - Bridge Replacement	2,000
E. Rio Bonito Rd at Sutter Butte Canal - Bridge Replacement	1,000
Group 3 2019-2025	
Oro Bangor Hwy at Whitehall Ravine-Bridge	1,000
River Rd at Grassy Banks Slough - Replace Bridge	1,000
River Rd at Shady Oaks Slough - Bridge Replacement	1,000
Mesa Rd Bridge - Bridge Replacement	1,000
Hupp Coutolenc Bridge - Bridge Replacement	1,000
Central House Rd Bridge - Bridge Replacement	1,000
Dunstone Drive Bridge - Bridge Replacement	1,000
Afton Rd at Butte Creek - Bridge Replacement	2,500
Ord Ferry Rd at the Dips - Bridge Replacement	10,000
East Evans Reimer Bridge	1,000
Lower Wyandotte at Wyman Ravine - Bridge Replacement	1,000
TOTAL	57,700

Locally Funded Projects

The following local projects are within the financial projections for local funds. The projects beginning on Table 6-8 are included in Appendix 1 as part of the traffic model and regional emissions analysis for air quality conformity.

Table 6-8
Projects Included in Regional Emissions Analysis
Group 1: Years 2008-2010

Project / Street	From	To	Description	Escalated Cost Estimate (\$1,000)	Anticipated Fund Source
SR 99	At Neal Road	Intersection	Develop Project Study Report Only	300	County Local Funds
Notre Dame Blvd	Little Chico Creek	20 th Street	New two-lane arterial	2,500	Adjacent Development
Cohasset Road Widening Phase I	600 feet s/o Sheep Hollow	600 feet n/o Sheep Hollow	Replace substandard two-lane bridge w/ four-lane bridge and taper roadway	3,000	HBP and RDA funds
Manzanita Corridor Reconstruction	East Ave	Lindo Channel	Widen existing two-lane arterial with multi-lane roundabout	2,100	Development impact fees and RDA funds
Eaton Road Extension (East)	East Ave	Foothill Park East	Construct new four-lane arterial	2,900	Development impact fees

Table 6-8 – Continued
 Projects Included in Regional Emissions Analysis
 Group 2: Years 2011-2018

Project / Street	From	To	Description	Escalated Cost Estimate (\$1,000)	Anticipated Fund Source
Eaton Road Widening Phase I (SR99 to Cohasset)	SR99	Cohasset Road	Widen existing two-lane arterial to four-lanes	11,750	Development impact fees and RDA
Bruce Road Widening	SR32	Skyway	Widen existing two-lane arterial to four-lanes	10,500	Development Impact fees/ adjacent developments
SR32 Widening	SR99	Yosemite	Widen existing two-lane state highway to four-lanes	16,000	Development impact fees and RDA funds
SR99 Auxiliary Lanes	Skyway	SR32	Add auxiliary lanes to outside existing SR99 mainline	17,250	Development impact fees
Notre Dame Blvd Extension	Comanche Creek	Southgate Avenue	New two-lane roadway	3,250	Development impact fees
Cohasset Road Widening Phase III & IV	Sycamore Creek	Airpark Blvd	Widen existing two-lane roadway to four-lanes	7,000	Development impact fees and RDA funds
20th Street Widening	Forest Avenue	Bruce Road	Widen existing two-lane roadway to four-lanes	2,500	Adjacent developments
SR99/Eaton Road Interchange	Silverbell Road	Esplanade	New interchange	16,000	Development impact fees
SR99/20 th Street Interchange	Chico Mall	MLK Blvd	Modify Ramps, add through lanes to 20 th Street, modify intersections at MLK Blvd and Chico Mall	10,000	Development impact fees/adjacent development
Midway Reconstruction	East Park Avenue	Hegan Lane	Widen existing two-lane arterial to four-lanes	4,000	Development impact fees and RDA funds
Eaton Road Extension Phase I (East)	0.7 miles e/o Esplanade	SR32	New two-lane expressway	23,000	Development impact fees and fronting developments
Eaton Road Widening Phase II (West)	Esplanade	0.7 miles e/o Esplanade	Widen existing two-lane arterial to four-lanes	5,500	Development impact fees
SR99 frontage roads (west side)	Fair Street	Southgate Avenue	Construct frontage roads	3,900	Development impact fees

Table 6-8 – Continued
 Projects Included in Regional Emissions Analysis
 Group 3: Years 2019-2025

Project / Street	From	To	Description	Escalated Cost Estimate (\$1,000)	Anticipated Fund Source
Manzanita Corridor Widening	Lindo Channel	Cal Park Drive	Widen two-lane arterial to four-lanes	5,500	Development impact fees and RDA funds
Esplanade Reconstruction	Eaton Road	Nord Hwy	Widen two-lane arterial to four-lanes	11,250	Development impact fees and RDA funds
SR99/Southgate Avenue Interchange	Skyway near Sunset Moulding Plant	Midway via Southgate Avenue Extension	Construct new interchange and roadway connections to Skyway and Midway. Complete frontage road to Estates Drive.	29,000	Development Impact fees/adjacent development

Unfunded Regional Priorities Beyond Financial Constraints

SR 99 Corridor Projects - The scope of the projects is to provide a continuous merging lane to improve the traffic operations along the main corridor. The estimated cost for these improvements is \$100 million.

SR 99 Passing Lane Projects - The scope of these projects is to provide for passing lanes between Gridley and the junction at SR 149. The estimated cost for these improvements is \$80 million.

SR 99 Neal Road Interchange – The scope of this project is to provide for a new interchange at Neal Road and SR 99. The estimated cost for a new interchange is \$30 million.

SR 70 Ophir Rd Interchange Project – The scope of this project is to provide for a new interchange at Ophir Rd near Oroville. The estimated cost for a new interchange is \$30 million.

SR 70 Georgia Pacific Interchange – The scope of this project is to provide for a new interchange. The estimated cost for a new interchange is \$30 million.

The Skyway over the Magalia Dam Project - The scope of this project is to add an additional two lanes of roadway over the Magalia Dam on the Skyway. This section of

roadway is located between the Town of Paradise and the community of Magalia. A key concern is the number of traffic accidents that shut down traffic in both directions, causing significant delays. Emergency vehicles are also affected when accidents occur. The estimated cost for this project is \$80 million.

Ridge Evacuation Route – During the public review process, concerned citizens urged BCAG to identify an evacuation route from the Paradise/Magalia Ridge. At the RTP public hearing, 109 pages of signatures were submitted expressing need for evacuation routes off the Ridge in case of a fire or other emergency. While neither specific alignment nor costs have been identified, the County would be the appropriate agency to address these concerns. BCAG has forwarded the signatures to the County for their consideration and record. However, BCAG is developing the Forest Highway 171 project as a result of needing an evacuation route/emergency access in response to these concerns. The FH 171 project is included in the RTP.

State Highway Corridor Strategies

The purpose of the following section is to describe the state highway corridors in Butte County and to document BCAG’s strategies for improvements. As a result of SB 45, BCAG controls the programming of 75% of STIP funds within the region, not Caltrans. Caltrans will realistically help fund projects that are “interregional” in nature such as the SR 70 Corridor. As such, it is important to lay out a strategy as to what the expectations will be in the horizon for the RTP. While the majority of STIP funds are programmed at the discretion of the BCAG Board, Caltrans continues to control the programming of SHOPP (State Highway Operations and Protection Program) funds, which continues to be a priority over the STIP by the CTC.

State Route 32

State Route 32 is a primary east/west interregional highway serving local and through traffic. SR 32 is not a priority route for Caltrans, thus improvement by Caltrans will be limited to the SHOPP program and the operational and safety triggers contained in that program.

Segment Description	Long Term Future Strategy / Vision
Butte / Glenn County Line to Chico City Limits (East Ave)	Work with Caltrans to identify SHOPP projects.
East Avenue to 9 th Street	BCAG to continue pursuit of grant funding to study and identify a list of specific improvements to address congestion and future land use. Support City of Chico - develop projects identified in the SR 32 Nord Avenue plan developed by BCAG.
9 th Street to SR 99	BCAG to work with Caltrans and Chico to identify issues with rail crossing.
SR 99 to Yosemite	City of Chico is scheduled to widen to four lanes. Project is funded by the City of Chico.
Yosemite to Tehama County Line	Work with Caltrans to identify potential SHOPP projects

SR 70

State Route 70 is a primary north/south route through Butte County. SR 70 from the Butte/Yuba County line to SR 149 is designated a high emphasis route by Caltrans and is also designated as part of the National Highway System. North of its junction with SR 149, the route traverses northeasterly as a 2 lane conventional highway.

Segment Description	Long Term Future Strategy / Vision
Butte / Yuba County Line to Ophir Rd	Work with Caltrans to identify STIP and SHOPP. Pursue passing lanes as identified or as funding permits to address safety and operations. SR 70 between the county line and Ophir Rd is BCAG's top priority.
Ophir Rd to junction at SR 149	Work with Caltrans to maintain 4 lane facility with the SHOPP. No significant projects are anticipated. City of Oroville may pursue separate project at Georgia Pacific Way near SR 162.
SR 149 to Tehama County Line	Work with Caltrans to identify potential SHOPP projects

SR 99

State Route 99 is primarily a north/south route through Butte County. SR 99 from its junction with SR 149 north through Chico is designated as part of the national Highway System. From the Butte/Sutter County line, SR 99 is a 5 lane facility through most of Gridley. At East Gridley Rd, BCAG is currently developing a project to keep the consistency through Gridley by providing for a left turn lane up to Magnolia Street. After Gridley, SR 99 is a rural 2 lane conventional highway up to its junction with SR 149. From SR 149, the route is a 4 lane facility through Chico up until just past Eaton Rd Interchange south of Garner Rd. North of Garner, SR 99 is a rural 2 lane conventional highway.

Segment Description	Long Term Future Strategy / Vision
Butte / Sutter County Line to E. Biggs Rd	Complete existing STIP project in Gridley. Work with Caltrans to identify potential SHOPP projects.
E. Biggs Rd to SR 149	BCAG to work with Caltrans and County to pursue SHOPP and STIP funds for potential passing lanes to address safety and operations.
SR 149 to Skyway	BCAG to work with County and Caltrans on development of a PSR for SR 99 at Neal Road.
Skyway to Eaton Rd	Develop SR 99 Corridor projects programmed in the STIP. Work with Caltrans, Butte County, and City of Chico to develop additional projects along corridor to address safety and operations.
Eaton Rd to Butte / Tehama County Line	Work with Caltrans to identify potential SHOPP projects

SR 149

State Route 149 is a 4.5 mile west/east state highway connecting SR 70 on the east and SR 99 on the west. Construction to widen the route from 2 to 4 lanes with freeway to freeway interchanges is currently underway. Construction is expected to be completed by the fall of 2009. No other improvements are foreseen.

SR 162

State Route 162 is a primary west/east highway entering Butte County from Colusa County on the west. The rural highway serves local and through traffic. SR 162 is not a priority route for Caltrans, thus improvement by Caltrans will be limited to the SHOPP program and the operational and safety triggers contained in that program.

Segment Description	Long Term Future Strategy / Vision
Colusa / Butte County Line to SR 99.	Work with Caltrans to identify potential SHOPP projects.
SR 99 to SR 70	Traffic Signal at SR 99 (Richvale). Funded with SHOPP and Local funds.
SR 70 to Oro Dam Blvd.	Work with Caltrans and Oroville, potential TE or Operational Improvements project.
Oro Dam Blvd. to Foothill	Work with Caltrans to complete PSR to widen to 4 lanes for future project.
Foothill to end of SR 162	Work with Caltrans to identify potential SHOPP projects.

Currently Programmed and Funded Projects (RTIP & FTIP)

BCAG used the California Transportation Improvement Program System (CTIPS) to develop the following tables. All projects programmed in the FTIP and STIP are entered into this statewide database. Projects identified represent a summary of what can be found in the current 2008 STIP and 2009 FTIP, thus, ensuring consistency between the long range plan and the short range programming documents.. The following tables identify a financial summary by fiscal year and fund type for all projects programmed with the following funds:

CMAQ: Congestion Mitigation and Air Quality Program

FTA: Federal Transit Administration

HBRR: Highway Bridge Repair and Replacement Program

IIP: Interregional Improvement Program

Local: Local Agency Funds

PLH: Public Lands Highway Program

Redevelopment Funds (Local Agencies)

RIP: Regional Improvement Program

SHOPP: State Highway Operations and Protection Program

TE: Transportation Enhancements Program

HSIP: Highway Safety Improvement Program

SAFETEA-LU- Congressional Earmarks specifically identified in SAFETEA-LU

RTP: Recreation Trails Program

Table 6-9
2009 FTIP Projects – all funds in thousands

2008/09 Federal Fiscal Year

Agency	Title	Local Funds	RIP-State	IIP-State	State Bond	SHOPP	FTA Funds	PLH/Demo	CMAQ	HBP	HSIP	TE Funds	SRTS	Rec Trails	Totals
Biggs	Pedestrian and Bikeway Intermodal sys. Phase 2	0	319	0	0	0	0	0	0	0	0	0	0	0	319
County	Butte County Safe Routes To Schools	0	0	0	0	0	0	0	0	0	0	0	291	0	291
BCAG	Plan, program and monitor	0	130	0	0	0	0	0	0	0	0	0	0	0	130
BCAG	FH 171 Reconstruction Project - Phase 1	0	0	0	0	0	0	8,366	0	0	0	0	0	0	8,366
BCAG	FTA Sec. 5307 Program - B - Line	3,091	0	0	0	0	1,538	0	0	0	0	0	0	0	4,629
BCAG	FTA Sec 5311 Program	1,775	0	0	0	0	512	0	0	0	0	0	0	0	2,287
BCAG	SR 70 @ Georgia Pacific Way Interchange	134	0	0	0	0	0	1,034	0	0	0	0	0	0	1,168
BCAG	Butte 99 Chico Aux Lanes/Intersection Phase 2	0	1,653	0	0	0	0	0	0	0	0	0	0	0	1,653
BCAG	B Line Farebox Project - Phase 2	0	0	0	0	0	0	0	300	0	0	0	0	0	300
BCAG	Butte Regional Transit B-Line AVL/GPS	0	0	0	0	0	0	0	700	0	0	0	0	0	700
Caltrans	Butte 99 Gridley Oper. Imprvmnts	0	4,418	0	0	0	0	0	0	0	0	0	0	0	4,418
Caltrans	SHOPP Roadway Preservation Lump Sum	0	0	0	0	29,514	0	0	0	0	0	0	0	0	29,514
Caltrans	Ophir Road (Phase 1)	0	8,010	11,490	0	0	0	0	0	0	0	0	0	0	19,500
Caltrans	Butte SR 70 Passing Lane Project	0	1,600	1,500	0	0	0	0	0	0	0	0	0	0	3,100
Chico	SR 32 from SR 99 to Yosemite	13,000	0	0	0	0	0	0	0	0	0	0	0	0	13,000

2008/2009 Federal Fiscal Year - Continued

Agency	Title	Local Funds	RIP-State	IIP-State	State Bond	SHOPP	PLH/Demo	FTA Funds	CMAQ	HBP	HSIP	SRTS	Rec Trails	Totals
Chico	SR 99 Corridor Bikeway Project	350	0	0	0	0	0	0	0	0	0	0		350
Chico	SR 99 Cohasset Interchange Operational Improvement	1,650	0	0	0	0	0	0	0	0	0	0		1,650
Chico	SR 99 Eaton Rd Signalization Project	1,233	0	0	0	0	0	0	0	0	0	0		1,233
Chico	Bidwell Park Middle Trail Rehabilitation Project	57	0	0	0	0	0	0	0	0	0	0	176	233
Chico	SR 99 Skyway Operational Improvements													
Oroville	SR 70 and Montgomery Street Beautification Project	0	400	0	0	0	0	0	0	0	0	0		400
Paradise	Paradise 3 E's - Safe Routes to Schools	0	0	0	0	0	0	0	0	0	0	66		66
Paradise	Pearson and Recreation Drive Signalization Project	245	0	0	0	0	0	0	0	0	0	0		245
Paradise	Pearson Rd Park and Ride Project	23	0	0	0	0	0	0	200	0	0	0		223
Various	FTA 5310	50	0	0	0	0	0	200	0	0	0	0		250
Various	Butte County HSIP Lump Sum	226	0	0	0	0	0	0	0	0	1,137	0		1,363
TOTALS		21,835	16,530	12,990	0	29,514	9,400	2,250	420	0	1,137	357	176	94,608

2009/10 Federal Fiscal Year

Agency	Title	Local Funds	RIP-State	IIP-State	State Bond	SHOPP	FTA Funds	PLH/Demo	CMAQ	HBP	HSIP	TE Funds	SRTS	Rec Trails	Totals
BCAG	Plan, program and monitor	0	130	0	0	0	0	0	0	0	0	0	0	0	130
BCAG	FTA Sec. 5307 Program - B - Line	3,091	0	0	0	0	1,538	0	0	0	0	0	0	0	4,629
BCAG	FTA Sec 5311 Program	1,775	0	0	0	0	512	0	0	0	0	0	0	0	2,287
BCAG	Butte 99 Chico Aux Lanes/Intersection Phase 2	0	9,832	0	23,520	0	0	0	0	0	0	0	0	0	33,352
Caltrans	SHOPP Bridge Preservation Grouped Projects	0	0	0	0	6,558	0	0	0	0	0	0	0	0	6,558
Chico	SR 99 Corridor Bikeway Project	150	0	0	0	0	0	0	0	0	0	0	0	0	150
Various	FTA 5310	122	0	0	0	0	488	0	0	0	0	0	0	0	610
TOTALS		5,138	9,962	0	23,520	6,558	2,538	0	0	0	0	0	0	0	47,716

2010/11 Federal Fiscal Year

Agency	Title	Local Funds	RIP-State	IIP-State	State Bond	SHOPP	FTA Funds	PLH/Demo	CMAQ	HBP	HSIP	TE Funds	SRTS	Rec Trails	Totals
BCAG	FTA Sec. 5307 Program - B - Line	3,091	0	0	0	0	1,538	0	0	0	0	0	0	0	4,629
BCAG	FTA Sec 5311 Program	0	0	0	0	0	512	0	0	0	0	0	0	0	512
Chico	SR 99 Corridor Bikeway Project	0	0	0	0	0	0	0	1,000	0	0	0	0	0	1,000
Paradise	Pearson and Recreation Drive Signalization Project	0	0	0	0	0	0	0	130	0	0	0	0	0	130
Various	Butte County HSIP Lump Sum	226	0	0	0	1,112	0	0	0	0	1,137	0	0	0	2,475
TOTALS		3,317	0	0	0	1,112	2,050	0	1,130	0	1,137	0	0	0	8,746

2011/12 Federal Fiscal Year

Agency	Title	Local Funds	RIP-State	IIP-State	State Bond	SHOPP	FTA Funds	PLH/Demo	CMAQ	HBP	HSIP	TE Funds	SRTS	Rec Trails	Totals
BCAG	FTA Sec. 5307 Program - B - Line	3,091	0	0	0	0	1,538	0	0	0	0	0	0	0	4,629
BCAG	FTA Sec 5311 Program	0	0	0	0	0	512	0	0	0	0	0	0	0	512
Caltrans	SHOPP Bridge Preservation Grouped Projects	0	0	0	0	38,926	0	0	0	0	0	0	0	0	38,926
Caltrans	SHOPP Collision Reduction Lump Sum	0	0	0	0	843	0	0	0	0	0	0	0	0	843
Caltrans	Butte SR 70 Passing Lane Project	0	1,400	16,000	0	0	0	0	0	0	0	0	0	0	17,400
Chico	SR 99 Cohasset Interchange Operational Improvement	1,800	0	0	0	0	0	0	0	0	0	0	0	0	1,800
Oroville	Spencer Ave B-Line Transit Center Project	452	0	0	0	0	0	0	1,273	0	0	0	0	0	1,725
Paradise	Pearson and Recreation Drive Signalization Project	0	0	0	0	0	0	0	1,050	0	0	0	0	0	1,050
TOTALS		5,343	1,400	16,000	0	39,769	2,050	0	2,323	0	0	0	0	0	66,885

2012/13 Federal Fiscal Year

Agency	Title	Local Funds	RIP-State	IIP-State	State Bond	SHOPP	FTA Funds	PLH/Demo	CMAQ	HBP	HSIP	TE Funds	SRTS	Rec Trails	Totals
County	Local HBRR - Lump Sum	266	0	0	1,399	0	0	0	0	12,854	0	0	0	0	14,519
BCAG	FH 171 Reconstruction Project - Phase 2	0	10,130	0	0	0	0	0	0	0	0	0	0	0	10,130
Chico	SR 99 Cohasset Interchange Operational Improvement	5,350	0	0	0	0	0	0	1,650	0	0	0	0	0	7,000
TOTALS		5,616	10,130	0	1,399	0	0	0	1,650	12,854	0	0	0	0	31,649

2009 FTIP Period Fund Type Summary (2008/09-2011/12)	Local Funds	RIP-State	IIP-State	State Bond	SHOPP	FTA Funds	PLH/Demo	CMAQ	HBP	HSIP	TE Funds	SRTS	Rec Trails	Totals
TOTALS	35,406	27,892	28,990	23,520	76,953	8,888	9,400	4,653	0	1,137	0	357	176	217,372

Source: CTIPS AB1012 Report by Fiscal Report for BCAG

2009 FTIP Fund Type Summary Report by Federal Fiscal Year (dollars x 1,000)

Fund Source	Fund Type	08/09	09/10	10/11	11/12	Total 4 Year Period		Prior	Future
CMAQ	Congestion Mitigation Fund Total	\$1,200	\$0	\$1,130	\$2,323	\$4,653		\$4,450	\$1,650
Demo	Demonstration-State TEA21 Fund Total	\$0	\$0	\$0	\$0	\$0		\$5,864	\$0
Demo	High Priority Projects Program Fund Total	\$3,497	\$0	\$0	\$0	\$3,497		\$3,157	\$0
Federal Disc.	Public Land Hwys Fund Total	\$5,903	\$0	\$0	\$0	\$5,903		\$0	\$0
Federal Disc.	Recreational Trails Program Fund Total	\$176	\$0	\$0	\$0	\$176		\$0	\$0
FTA Funds	FTA 5310 Elderly & Disabilities Fund Total	\$200	\$488	\$0	\$0	\$688		\$1,247	\$0
FTA Funds	FTA 5311 - Non Urbanized Fund Total	\$512	\$512	\$512	\$512	\$2,048		\$2,052	\$0
FTA Funds	FTA5307 UZA Area Operating Fund Total	\$1,538	\$1,538	\$1,538	\$1,538	\$6,152		\$7,624	\$0
FTA Funds	FTA5309(a) - Fixed Guideway Modernization Fund Total	\$0	\$0	\$0	\$0	\$0		\$347	\$0
IIP	State Cash Fund Total	\$11,490	\$0	\$0	\$0	\$11,490		\$2,297	\$0
Loc Funds	City Funds Fund Total	\$18,133	\$3,241	\$3,091	\$3,543	\$28,008		\$17,227	\$0
Loc Funds	County Funds Fund Total	\$1,775	\$1,775	\$0	\$0	\$3,550		\$11,439	\$266
Loc Funds	Developer Fees Fund Total	\$1,650	\$0	\$0	\$1,800	\$3,450		\$0	\$5,350
Loc Funds	Local Transportation Funds Fund Total	\$50	\$122	\$226	\$0	\$398		\$312	\$0
Local HBRR	Highway Bridge Program Fund Total	\$0	\$0	\$0	\$0	\$0		\$12,177	\$12,854
Local HES	Safe Routes to School (SR2S) Fund Total	\$0	\$0	\$0	\$0	\$0		\$360	\$0
Other Fed	Highway Safety Improvement Program Fund Total	\$0	\$0	\$1,137	\$0	\$1,137		\$0	\$0
Other Fed	Safe Routs to School (SRTS) Program Fund Total	\$357	\$0	\$0	\$0	\$357		\$0	\$0

2009 FTIP Fund Type Summary Report by Federal Fiscal Year - continued

(dollars x 1,000)

Fund Source	Fund Type	08/09	09/10	10/11	11/12	Total 4 Year Period	Prior	Future
RIP	State Cash Fund Total	\$14,240	\$130	\$0	\$1,400	\$15,770	\$7,141	\$10,130
RIP	STP Enhancements Fund Total	\$637	\$0	\$0	\$0	\$637	\$0	\$0
SHOPP - Bridge Preservation	SHOPP Advance Construction (AC) Fund Total	\$0	\$5,806	\$0	\$34,461	\$40,267	\$0	\$0
SHOPP - Bridge Preservation	State Cash Fund Total	\$0	\$752	\$0	\$4,465	\$5,217	\$0	\$0
SHOPP - Collision Reduction	SHOPP Advance Construction (AC) Fund Total	\$0	\$0	\$0	\$746	\$746	\$16,340	\$0
SHOPP - Collision Reduction	State Cash Fund Total	\$0	\$0	\$0	\$97	\$97	\$2,153	\$0
SHOPP - Collision Reduction	Surface Transportation Program Fund Total	\$0	\$0	\$1,112	\$0	\$1,112	\$0	\$0
SHOPP - Roadway Preservation	SHOPP Advance Construction (AC) Fund Total	\$26,129	\$0	\$0	\$0	\$26,129	\$0	\$0
SHOPP - Roadway Preservation	State Cash Fund Total	\$3,385	\$0	\$0	\$0	\$3,385	\$0	\$0
State Bond	Local Bridge Seismic Retrofit Account Fund Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,399
State Bond	State Route 99 Corridor Fund Total	\$0	\$23,520	\$0	\$0	\$23,520	\$0	\$0
STIP Augmentation IIP	State Cash Fund Total	\$1,500	\$0	\$0	\$16,000	\$17,500	\$2,500	\$0
STIP Augmentation RIP	State Cash Fund Total	\$1,653	\$9,832	\$0	\$0	\$11,485	\$4,515	\$0
Total Programmed for all Funds:		\$94,025	\$47,716	\$8,746	\$66,885	\$217,371	\$101,201	\$31,649

Source: CTIPS Fund Type Summary Report by MPO for BCAG