

# **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.

A total of \$81.7 million in STIP/Regional Improvement Program (RIP) funds is forecasted for Butte County for the 24-year period of this Plan. This assumes an average of approximately \$3.4 million per year over the RTP/SCS period. Subtracting what is currently programmed in the 2016 RTIP/STIP (\$13.1 million) leaves an anticipated “planned” programming capacity of approximately **\$68.6 million** for the SR 70 Corridor, Planning Programming and Monitoring (PPM) and or other regional projects as determined by the BCAG Board of Directors.

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 for people and goods movement. 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

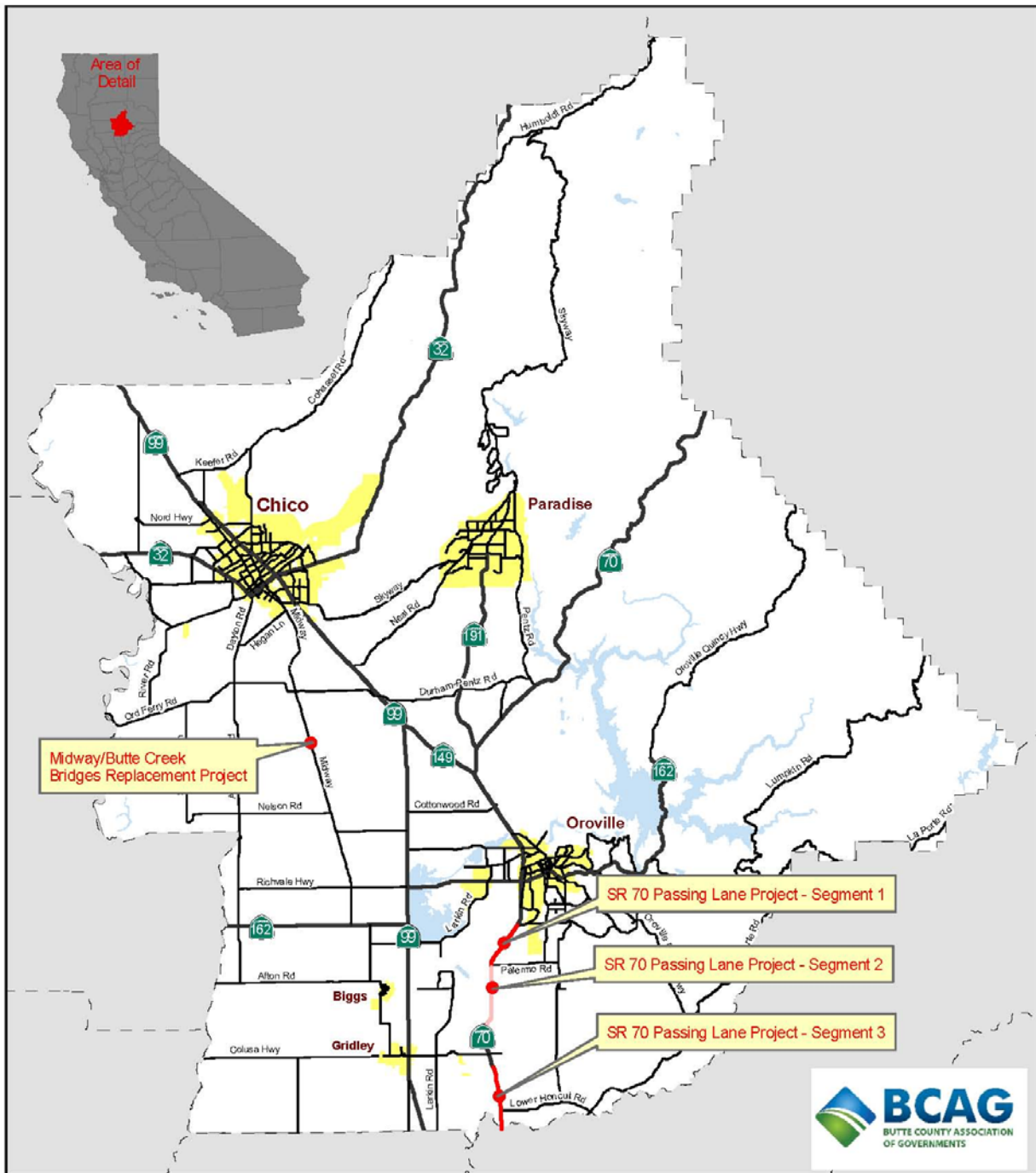
The following represents BCAG’s “regional” priorities through the horizon of the RTP/SCS funded with Regional Improvement Program (RIP) funds in the State Transportation Improvement Program (STIP). The projects have been financially constrained by air quality analysis group year.

Table 6-1  
State Transportation Improvement Program (STIP)

STIP - Project and Description	RIP Funds Only Year of Expenditure dollars in thousands
<b>1 SR 70 Passing Lane Project – Segment 1.</b> Termini @ Ophir Rd to .1 miles south of Palermo Rd Intersection. Construct 5 lane facility, 2 lanes per direction with center turn lane. Distance approx. 2.7 miles. Estimated cost is \$26 million to be split 50/50 with Caltrans IIP. Construction target is the 2019/2020 fiscal year.	\$ 13,100 (2019/20) All Components
<b>2. SR 70 Passing Lane Project – Segment 2.</b> Termini @ south end of Segment 1. .1 mile south of Palermo Rd to termini @ SR 70 Passing Lane Project (northern end) of SR70 E. Gridley Passing Lane Project. Construct 5 lane facility, 2 lanes per direction with center turn lane. Distance approx. 2.7 miles. Estimated cost is \$29.4 million escalated to \$34 million to FY 25/26 dollars. Split 50/50 with Caltrans IIP for \$17 million each. Construction target is the 2025/26 fiscal year.	\$ 17,000 (2025/26) All Components
<b>3. SR 70 Passing Lane Project – Segment 3.</b> Termini @ south end of SR 70 Passing Lanes to Butte/Yuba County line. Project includes 2 new bridge structures. Third bridge is located in Yuba County and not included. Construct 5 lane facility, 2 lanes per direction with center turn lane. Distance approx. 2.7 miles. Estimated cost is \$41.6 million escalated to \$50 million to FY 29/30 dollars. Split 50/50 with Caltrans IIP for \$25 million each. Construction target: FY 30/31.	\$25,000 (2030/31) All Components
<b>4. Planning Programming and Monitoring (PPM).</b> This project consists of BCAG’s PPM activities related its transportation plans and programs. The annual average PPM programming level has been reduced to \$93.3 thousand. This amount fluctuates with the STIP Fund Estimate.	\$2,240 (2016-2040)
<b>5. Midway over Butte Creek Bridges Replacement Project.</b> This project replaces two structurally deficient bridges with one new bridge. RIP funds represents the state match needed for federal Highway Bridge Program (HBP) funds. Construction target has been pushed out to FY 2017/18.	\$1,499 (2018) All Components
<b>TOTAL</b>	\$58,839
<b>9. Balance of funds – Reserved “planning capacity” for cost increases or amendments to be determined and approved by the BCAG Board of Directors</b>	\$35,205
<b>Total</b>	<b>\$94,044</b>

Financial Projection for STIP funds for Butte County	\$ 94,044,000
Total regional priorities identified through horizon of RTP/SCS	<u>\$ 58,839,000</u>
Balance Remaining	\$ 35,205,000

**Figure 6-1  
Regional Priorities**



## Regional Project Priorities Description

The following list of projects provides additional information on BCAG's regional priorities for the 2016 RTP/SCS.

SR 70 Corridor Passing Lane Projects – SR 70 is a 2 lane conventional highway with at grade intersections and private driveways throughout the corridor. The SR 70 projects can be funded and constructed within the timeframe of the Plan. These passing lane projects represent BCAG's efforts towards addressing the safety and operational concerns along this corridor by constructing passing lanes in partnership with Caltrans District 3. In addition, the lack of adequate infrastructure results in an economic disadvantage in terms of attracting businesses to the region. The SR 70 Corridor is designated as part of the National Highway System and plays a major role as an economic goods movement corridor. BCAG has identified 3 segments to complete a 5 lane facility (four lanes with a center turn lane) on SR 70 from Ophir Rd southward to the Butte/Yuba County Line. The scope of these projects would be to construct, where feasible, passing lanes in Butte County to be funded in the STIP and or the SHOPP as funding permits. The following passing lane projects have been sectioned into logical, buildable segments with the assumption Caltrans will continue to partner with BCAG at 50% of the total costs for the projects. Each of the following segments are between \$26-50 million per segment. As a result of cost savings from a prior congressional earmark for the SR 70 Corridor, BCAG in partnership with Caltrans District 3 have completed a Project Study Report/Project Design Study for passing lane projects and are completing the environmental component for Segment 1 and Segment 2 as described below.

- **SR 70 Passing Lane Segment 1** – Segment 1 is the section between Ophir Road to .1 miles south of Palermo Rd Intersection. The scope of the project is to construct a 5 lane facility, 2 lanes per direction with a center turn lane. The distance is approximately 2.7 miles. Estimated cost is \$26 million to be split 50/50 with Caltrans' Interregional Improvement Program (IIP). As a result of insufficient funding in the 2016 STIP, the construction component has been delayed to the 2019/2020 fiscal year. BCAG's RIP share is \$13.1 million for all components. This project is fully programmed and funded in the 2016 STIP.
- **SR 70 Passing Lane Segment 2** – Segment 2 is the section between the termini of Segment 1 which is .1 south of Palermo Rd to the termini of the SR 70 Passing Lane at E. Gridley Road Project (northern end). The scope of the project is to construct a 5 lane facility, 2 lanes per direction with a center turn lane. The distance is approximately 2.7 miles. The estimated cost is \$34 million to be split 50/50 with Caltrans' Interregional Improvement Program (IIP). Construction target has been extended to the 2025/2026 fiscal year. BCAG's RIP share would be \$17 million for all components.

- **SR 70 Passing Lane Segment 3** – Segment 3 is the section between termini at the SR 70 Passing Lanes at the Butte/Yuba county line. This would include two of the three bridges located near the county line. The third bridge is located in Yuba County and not included in Segment 3. The distance is approximately 3.37 miles. Estimated cost is \$50 million in escalated dollars. The total cost of the project is expected to be split 50/50 with Caltrans' Interregional Improvement Program (IIP). The construction target is the 2030/31 fiscal year. BCAG's RIP share would be \$25 million for all components. Discussions on how to complete the final 3<sup>rd</sup> Bridge would be required with Caltrans, the CTC and Yuba County.

Midway / Butte Creek Bridges Replacement Project – This project is located in Butte County on the Midway across Butte Creek. In its current state, there are two obsolete bridges that will be replaced with one long bridge. The total number of lanes will remain the same at one lane per direction. The STIP programming represents the non-federal match requirement for federal Highway Bridge Program (HBP) funds needed. The RIP share is \$1,499,000. The construction target has been delayed to the 2017/18 fiscal year as a result of insufficient funding in the 2016 STIP. This projects is fully funded and programmed in the 2016 STIP.



## Congestion Mitigation and Air Quality Program

The following CMAQ projects have been programmed in the 2017 Federal Transportation Improvement Program (FTIP). Non road projects are identified in their respective chapter of the MTP.

Table 6-3  
Congestion Mitigation and Air Quality Program  
(\$1,000)

CHICO		16/17		17/18		18/19		19/20		Beyond		TOTALS		
		CMAQ	Other	CMAQ	Other	CMAQ	Other	CMAQ	Other	CMAQ	Other	CMAQ	Other	
SR 99 Cohasset Interchange														
Direct Southbound On Ramp	PA&ED			\$ 735,754	\$ 464,246							\$ 735,754	\$ 464,246	
	PS&E											\$ -	\$ -	
EXISTING - PE Only	R/W											\$ -	\$ -	
	CONST											\$ -	\$ -	
202-0000-0130	Totals	\$ -	\$ -	\$ 735,754	\$ 464,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 735,754	\$ 464,246	\$ 1,200,000
CHICO														
SR 99 Phase 4														
Business lane to Skyway	PA&ED											\$ -	\$ -	
ATP Leverage	PS&E											\$ -	\$ -	
EXISTING	R/W	\$ 400,000										\$ 400,000	\$ -	
	CONST					\$ 200,000	\$ 800,000					\$ 200,000	\$ 800,000	
202-0000-0189	Totals	\$ 400,000	\$ -	\$ -	\$ -	\$ 200,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 800,000	\$ 1,400,000
CHICO														
SR 99 Bikeway Phase 5 - 20th St														
Overcrossing	PA&ED											\$ -	\$ -	
EXISTING	PS&E	\$ 300,000										\$ 300,000	\$ -	
Cost Increase	R/W											\$ -	\$ -	
Will be Cycle 4 ATP	CONST											\$ -	\$ -	
202-0000-0117	Totals	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000
CHICO														
Esplanade Corridor Safety and														
Accessibility Improvement Project	PA&ED	\$ 350,000										\$ 350,000	\$ -	
NEW PROJECT	PS&E											\$ -	\$ -	
ATP Leverage	R/W								\$ 1,005,000			\$ -	\$ 1,005,000	
	CONST									\$ 6,236,000		\$ -	\$ 6,236,000	
202-0000-0194	Totals	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,005,000	\$ -	\$ 6,236,000	\$ 350,000	\$ 7,241,000	\$ 7,591,000
COUNTY														
Monte Vista & Lower Wyandotte														
Class II Bike Facilities	PA&ED	\$ 115,000										\$ 115,000	\$ -	
NEW PROJECT	PS&E											\$ -	\$ -	
ATP Leverage	R/W			\$ 15,000								\$ 15,000	\$ -	
	CONST					\$ 620,000						\$ 620,000	\$ -	
202-0000-0195	Totals	\$ 115,000	\$ -	\$ 15,000	\$ -	\$ 620,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 750,000	\$ -	\$ 750,000

Table 6-3 - Continued

COUNTY		16/17		17/18		18/19		19/20		Beyond		TOTALS		
		CMAQ	Other	CMAQ	Other	CMAQ	Other	CMAQ	Other	CMAQ	Other	CMAQ	Other	
AUTRY LANE & MONTE VISTA SAFE														
Routes to Schools Gap Closure Project	PA&ED	\$ 300,000										\$ 300,000	\$ -	
	PS&E											\$ -	\$ -	
Preliminary Engineering Only	R/W											\$ -	\$ -	
NEW PROJECT - ATP Cycle 4	CONST											\$ -	\$ -	
202-0000-0196	Totals	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ 300,000
PARADISE														
ATP Gap Closure Project														
	PA&ED	\$ 306,000	\$ 44,000									\$ 306,000	\$ 44,000	
NEW PROJECT	PS&E										\$ -	\$ -		
ATP Leverage	R/W										\$ -	\$ -		
	CONST							\$ 269,000	\$ 4,376,000			\$ 269,000	\$ 4,376,000	
202-0000-0197	Totals	\$ 306,000	\$ 44,000	\$ -	\$ -	\$ -	\$ -	\$ 269,000	\$ 4,376,000	\$ -	\$ -	\$ 575,000	\$ 4,420,000	\$ 4,995,000
PARADISE														
Pearson Rd SR25 Project														
	PA&ED											\$ -	\$ -	
(ATP Cost Increase - Potential)	PS&E											\$ -	\$ -	
Existing Programmed	R/W											\$ -	\$ -	
	CONST	\$ 200,000										\$ 200,000	\$ -	
202-0000-0176	Totals	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	\$ 200,000
BIGGS														
Safe Routes to Schools Project														
	PA&ED	\$ 160,000										\$ 160,000	\$ -	
NEW PROJECT	PS&E										\$ -	\$ -		
ATP Leverage	R/W										\$ -	\$ -		
	CONST									\$ 800,000		\$ -	\$ 800,000	
202-0000-0198	Totals	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000	\$ -	\$ -	\$ 160,000	\$ 800,000	\$ 960,000
OROVILLE														
SR 162 Pedestrian/Bicycle Disabled Mobility and Safety Improvements Project	PA&ED			\$ 540,000								\$ 540,000	\$ -	
	PS&E											\$ -	\$ -	
NEW PROJECT	R/W										\$ -	\$ -		
ATP Leverage	CONST										\$ 3,411,000	\$ -	\$ 3,411,000	
202-0000-0199	Totals	\$ -	\$ -	\$ 540,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,411,000	\$ 540,000	\$ 3,411,000	\$ 3,951,000
TOTALS														
	PA&ED	\$ 1,231,000	\$ 44,000	\$ 1,275,754	\$ 464,246	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,506,754	\$ 508,246	
	PS&E	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	
	R/W	\$ 400,000	\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 1,005,000	\$ -	\$ -	\$ 415,000	\$ 1,005,000	
	CONST	\$ 200,000	\$ -	\$ -	\$ -	\$ 820,000	\$ 800,000	\$ 269,000	\$ 5,176,000	\$ -	\$ 9,647,000	\$ 1,289,000	\$ 15,623,000	
	Totals	\$ 2,131,000	\$ 44,000	\$ 1,290,754	\$ 464,246	\$ 820,000	\$ 800,000	\$ 269,000	\$ 6,181,000	\$ -	\$ 9,647,000	\$ 4,510,754	\$ 17,136,246	\$ 21,647,000



## **CMAQ Project Descriptions**

City of Chico – SR 99 Cohasset Interchange Direct Southbound On Ramp – The purpose of this project is to reconfigure the interchange to construct a new direct on-ramp from Eastbound Cohasset Rd to Southbound SR 99 in Chico at post mile 33.5/34.4. This project is currently programmed in the 2017 FTIP for preliminary engineering only utilizing CMAQ and local funds in the 2017/18 fiscal year.

City of Chico – SR 99 Bikeway Project (Phase 4) – This project is located parallel to the east side of SR 99 from Business Lane to the Skyway northbound on ramp. This project is funded with CMAQ and ATP Cycle 2. Project is to construct a new Class 1 Bikeway with access points at Walmart and Butte Community College.

SR 99 Chico Corridor Bikeway Project Phase 5 – The project will complete the design of Phase 5 of the multi-class pedestrian/bikeway facility along the SR99 corridor from South Chico at Southgate Avenue to North Chico at Hicks Lane. Phase 5 completes the gap adjacent to SR99 from Chico Mall across 20th St to the north end of Business Lane which includes an alternative to cross the roadway with an overhead structure spanning 20th St. Preliminary Engineering is programmed in the 2017 FTIP.

City of Chico – Esplanade Corridor Safety and Accessibility Improvement Project – Project includes various non-motorized "complete streets improvements along the Esplanade Corridor from W. 11th Avenue to Memorial Avenue. Improvements include: 1) ADA improvements (ramps, sidewalk gap closures), 2) Pedestrian refuge islands at all signalized and non-signalized intersections both at center islands and islands separating travel lanes from frontage roads; 3) Traffic signal equipment upgrades (pedestrian countdown signal heads with adequate time to cross Esplanade); 4) Consistent pavement markings and signage ("Keep Clear" pavement delineations with either green pavement and/or slightly raised colored concrete option) 5) Traffic signal timing plan with pedestrian push button and vehicle detection (use detection based system during peak times, use existing 28mph progression during non-peak times).

Butte County – Monte Vista & Lower Wyandotte Project – The purpose of the project is to construct Class II bike facilities along Monte Vista Av and Lincoln Blvd to Lower Wyandotte Rd in locations that do not have existing curb, gutter and sidewalks, along with class II bike facilities along Lower Wyandotte Rd from Las Plumas Ave/Oro Bangor Hwy to Monte Vista Ave.

Butte County – Autrey Lane & Monte Vista Safe Routes to Schools Gap Closure Project Preliminary Engineering for Curb, gutter, sidewalk, and crossing enhancements along Autrey Ln. and Monte Vista Ave is proposed. Once completed the County will apply for grant funds to construct the project.

Paradise - ATP Gap Closure Project – The project is located in downtown Paradise along Fir Street (Skyway to Black Olive), Birch Street (Skyway to Black Olive), in

addition to portions of Foster Road (Pearson to Birch), Black Olive Drive (Pearson to Fir) and Elliott Road (Skyway to Almond). The purpose of the project is to construct new sidewalks, curbs and gutters, Class II Bicycle Lanes.

Paradise – Pearson Rd Safe Routes to Schools Project – This project is located along Pearson Rd between Black Olive and Academy Drives. Improvements include the construction of sidewalk, curb, gutter on the north and south sides of Pearson Rd between Black Olive Drive and Academy Drive. The project will require minor drainage improvements and construction of appropriate retaining walls for hillside slopes.

Biggs – Safe Routes to Schools Project – In the City of Biggs, the purpose of this project is to construct new pedestrian and bicycle facilities along 2<sup>nd</sup> & E Streets.

Oroville – State Route 162 Pedestrian/Bicycle Disabled Mobility and Safety Improvement Project – This project is located on SR 162 in Oroville between Feather River Blvd and Foothill Blvd. Improvements include a comprehensive set of active transportation infrastructure connectivity and safety improvements. The project scope includes the following elements: new sidewalk, curb, and gutter; ADA ramps; street lighting; high-visibility crosswalk striping; buffered bicycle lanes; an RRFB crosswalk enhancement; a multi-use trail connection to SR 162; and an enhanced pedestrian crossing with a signal (H.A.W.K.) upgrade. The main purpose of the project will be to provide improved safety and more inviting active transportation connections on the corridor.

**Congressional Earmarks / Future “High Priority” Projects**

The following road projects have been programmed in the 2017 FTIP.

Table 6-4  
Congressional Earmark Projects

Project	Dollar	FY
SR 70 Corridor – “Segment2”. Earmark funds have been “repurposed” for this project. Previous earmarks include FH 171 (Upper Skyway) and the SR 70 @ Georgia Pacific Way Projects.	TBD	TBD

Highway Bridge Program – HBP

Based on the current HBP revenues and outlook for bridge projects, BCAG has estimated \$58.5 million for new projects over the horizon of the RTP/SCS. The first group of projects is included in the 2017 FTIP. The following table identifies the bridge projects for Butte County:

Table 6-5  
Local Highway Bridge Program  
(Dollars in thousands)

Bridge Name:	Description	RDWY Class	ADT	HBP Funds	Local/Other funds	Total Cost	Construction Year
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**GROUP 1: 2016 to 2018**

Oregon Gulch Rd at Morris Ravine	Bridge Replacement	Minor Collector	50	1,062	138	1,200	2016
Midway at Butte Creek	Bridge Replacement	Major Collector	1,262	13,988	1,812	15,800	2018
<b>Totals</b>				<b>15,050</b>	<b>1,950</b>	<b>17,000</b>	

**GROUP 2: 2018 to 2020**

Central House Rd at Wyman Ravine	Bridge Replacement	Local	200	1,859	241	2,100	2018
E. Rio Bonito Rd at Sutter Butte Canal	Bridge Replacement	Major Collector	427	2,213	287	2,500	2018
E. Rio Bonito Rd at Hamilton Slough	Bridge Replacement	Major Collector	427	1,239	161	1,400	2019
<b>Totals</b>				<b>5,312</b>	<b>688</b>	<b>6,000</b>	

**GROUP 3: 2020 to 2030**

Ord Ferry Rd at Little Chico Creek	Bridge Replacement	Major Collector	3,095	4,427	574	5,000	2021
Mesa Roas at Durham Mutual Ditch	Bridge Replacement	Major Collector		885	115	1,000	2021
Afton Rd at Butte Creek	Bridge Replacement	Minor Collector	71	1,328	172	1,500	2023
Cana Pine Creek at Pine Creek	Bridge Replacement	Local		5,312	688	6,000	2024
Keefer Rd at Keefer Slough	Bridge Replacement	Major Collector	771	885	115	1,000	2025
Ord Ferry Rd at Dips	Construct New Bridge	Major Collector	3,095	6,640	860	7,500	2,027
Dunstone Dr at Lower Honcut Creek	Bridge Replacement	Local	195	4,427	574	5,000	2,029
<b>Totals</b>				<b>23,903</b>	<b>3,097</b>	<b>27,000</b>	

**GROUP 4: 2030 to 2040**

Oro Bangor Hwy at Whitehall Ravine	Bridge Replacement	Major Collector		885	115	1,000	2030
Oro-Bangor Hwy at North Fork Honcut Creek	Bridge Replacement	Major Collector		885	115	1,000	2031
Lower Wyandotte at Wyman Ravine	Bridge Replacement	Arterial	4,609	2,213	287	2,500	2032
Hupp-Coutolenc at Little Butte Creek	Bridge Replacement	Local	99	885	115	1,000	2033
River Rd at Grassy Banks Slough	Bridge Replacement	Minor Collector	1,241	885	115	1,000	2034
River Rd at Shady Oaks Slough	Bridge Replacement	Minor Collector	1,241	885	115	1,000	2035
East Evans-Reimer at Sutter Butte Canal	Bridge Replacement	Minor Collector		885	115	1,000	2036
<b>Totals</b>				<b>7,525</b>	<b>975</b>	<b>8,500</b>	

## Funded Projects

The following projects are within the financial projections and are either included in the Regional Emissions Analysis or are Exempt. The following projects are specifically included or referenced in Appendix 1.

**Table 6-6**  
**Funded Projects Included in Regional Emissions Analysis**  
**By Air Quality Analysis Year**

Agency	TITLE	PROJECT DESCRIPTION	Emissions Analysis Year				
			2016	2018	2020	2030	2040
Chico	SR 99 Auxiliary Lanes (SR 32 to E. 1st Ave)	Add Auxiliary lanes on SR 99 from SR 32 to E. 1st Ave	X	X	X	X	X
Chico	SR 32 Widening (SR 99 to El Monte Ave)	Widen SR 32 from 2 to 4 lanes from SR 99 to El Monte Ave	X	X	X	X	X
Chico	Eaton Rd Extension (Ceanothus Ave to Floral Ave)	Construct 4 lane roadway for extension of Eaton Rd from Ceanothus Ave to Floral Ave	X	X	X	X	X
Chico	Eaton Rd Extension (St Lawrence Ave to Wildwood Ave)	Construct 4 lane roadway for extension of Eaton Rd from St Lawrence Ave to Wildwood Ave	X	X	X	X	X
Chico	Eaton Rd Widening (Ceanothus Ave to St Lawrence Ave)	Widen Eaton Rd from 2 to 4 lanes from Ceanothus Ave to St Lawrence Ave	X	X	X	X	X
Chico	Forest Ave Widening (SR 32 to Humboldt Rd)	Widen Forest Ave from 2 to 4 lanes from SR 32 to Humboldt Rd	X	X	X	X	X
Paradise	Skyway Lane Reduction (Pearson Rd to Elliott Rd)	Reduce Skyway from 4 to 2 lanes from Pearson Rd to Elliott Rd	X	X	X	X	X
Butte County	Central House Rd Bridge Widening (at Wyman Ravine)	Widen Central House Rd Bridge from 1 to 2 lanes at Wyman Ravine		X	X	X	X
Chico	Cohasset Rd Widening (Two Oaks Dr to Thorntree Dr)	Widen Cohasset Rd from 2 to 4 lanes from Two Oaks Dr to Thorntree Dr		X	X	X	X
Chico	Cohasset Rd Widening (Airport Blvd to Eaton Rd)	Widen Cohasset Rd from 2 to 4 lanes from Airport Blvd to Eaton Rd		X	X	X	X
Chico	Midway Widening (Hegan Ln to E. Park Ave)	Widen Midway from 2 to 4 lanes from Hegan Ln to E. Park Ave		X	X	X	X
Chico	MLK Blvd Widening (E. Park Ave to 20th St)	Widen MLK Blvd from 2 to 4 lanes from E. Park Ave to 20th St		X	X	X	X
Chico	Bruce Rd Widening (Skyway to SR 32)	Widen Bruce Rd from 2 to 4 lanes from Skyway to SR 32		X	X	X	X
Chico	Notre Dame Extension (E. 20th St to Little Chico Creek)	Construct 2 lane roadway for extension of Notre Dame from E. 20th St to Little Chico Creek		X	X	X	X
Chico	SR 32 Widening (El Monte Ave to Yosemite Dr)	Widen SR 32 from 2 to 4 lanes from El Monte Ave to Yosemite Dr		X	X	X	X
Chico	E. 20th St Widening (Forest Ave to Bruce Rd)	Widen E. 20th St from 2 to 4 lanes from Forest Ave to Bruce Rd		X	X	X	X
Chico	SR 32 Lane Reduction (W 1st St to W 4th St) - aka Nord Ave Complete Street	Reduce SR 32 from 4 to 2 lanes from W 1st St to W 4th St)		X	X	X	X
Chico	SR 32 and Fir St Multi Modal	Change Fir St lanes from 2 lane bi-directional to 2 lane northbound travel between east and westbound travel lanes of SR 32 and add 30 spaces to park and ride.		X	X	X	X
Chico	Guynn Rd Bridge Widening (at Lindo Channel)	Widen Guynn Rd Bridge from 1 to 2 lanes at Lindo Channel		X	X	X	X
Butte County	SR 70 Widening (Ophir Rd to Palermo Rd)	Widen SR 70 from 2 to 4 lanes from Ophir Rd to Palermo Rd			X	X	X
Chico	Eaton Rd Widening (at SR 99 interchange)	Widen Eaton Rd from 2 to 4 lanes at SR 99 interchange			X	X	X
Chico	W. Eaton Rd Extension (SR 32 to W. Eaton Rd end)	Construct 2 lane roadway for extension of W. Eaton Rd from SR 32 to end			X	X	X
Chico	SR 99 Auxiliary Lanes (Skyway to 20th St)	Add Auxiliary lanes on SR 99 from Skyway to 20th St			X	X	X
Chico	SR 99 Auxiliary Lanes (20th St to SR 32)	Add Auxiliary lanes on SR 99 from 20th St to SR 32			X	X	X

**Table 6-6**  
**Projects Included in Regional Emissions Analysis**  
**By Air Quality Analysis Year - Continued**

Agency	TITLE	PROJECT DESCRIPTION	Emissions Analysis Year				
			2016	2018	2020	2030	2040
Chico	Esplanade Widening (Eaton Rd to Nord Hwy)	Widen Esplanade from 2 to 4 lanes from Eaton Rd to Nord Hwy			X	X	X
Oroville	Olive Highway Widening (Oro-Dam Blvd to Foothill Blvd)	Widen Olive Hwy from 2 to 3 lanes from Oro-Dam Blvd to Foothill Blvd. Additional lane will be added to eastbound travel.			X	X	X
Butte County	SR 70 Widening (Palermo Rd to Cox Ln)	Widen SR 70 from 2 to 4 lanes from Palermo Rd to Cox Ln				X	X
Butte County	Kittyhark Dr Extension (SR 99 to Garner Ln)	Construct 2 lane roadway from SR 99 to Garner Ln				X	X
Chico	Notre Dame Extension (Comanche Creek to Southgate Ave)	Construct 2 lane roadway for extension of Notre Dame from Comanche Creek to Southgate Ave				X	X
Chico	Southgate Ave Interchange (at SR 99)	Replace intersection of Southgate Ln and SR 99 with new 2 lane overpass and interchange				X	X
Chico	Southgate Extension (Midway to Skyway and Entler Ave to Player Ln)	Construct 2 lane roadway for extension of Southgate from Midway to Skyway and Entler Ave to Player Ln				X	X
Chico	Fair St Extension (Fair St end to Entler Ave)	Construct 2 lane roadway for extension of Fair St from existing end to Entler Ave				X	X
Chico	Silver Dollar Way Extension (Fair St to MLK Jr Parkway)	Construct 2 lane roadway for extension of Silver Dollar Way from Fair St to MLK Jr Parkway				X	X
Chico	Manzanita Ave (Chico Canyon Rd to Wildwood Ave)	Widen Manzanita Ave from 2 to 4 lanes from Chico Canyon Rd to Wildwood Ave				X	X
Chico	Chico Canyon Rd (E. 8th St to Manzanita Ave)	Widen Chico Canyon Rd from 2 to 4 lanes from E. 8th St to Manzanita Ave				X	X
Paradise	Anchor Way Construction (South Libby to Clark Rd)	Construct 2 lane roadway from S. Libby Rd to Clark Rd					X
Paradise	Buschmann Rd Extension (Foster Rd to Skyway)	Construct 2 lane roadway extension from Foster Rd to Skyway					X
Paradise	Forest Service Ln Extension (Moore Rd to Skyway)	Construct 2 lane roadway extension from Moore Rd to Skyway					X
Paradise	Elliott Rd Extension (End to Kibler Rd)	Construct 2 lane roadway extension from Elliott to Kibler Rd					X
Paradise	Grinding Rock Rd Extension (End to Skyway)	Construct 2 lane roadway extension from Grinding Rock Rd to Skyway					X
Paradise	S. Libby Rd Extension (End to Edgewood Ln)	Construct 2 lane roadway extension from S. Libby Rd to Edgewood Ln					X
Paradise	Sawmill Rd Extension (End to S. Libby Rd)	Construct 2 lane roadway extension from Sawmill Rd to S. Libby Rd					X
Butte County	SR 70 Widening (E Gridley Rd to Yuba Co.)	Widen SR 70 from 2 to 4 lanes from E. Gridley Rd to Yuba County					X

**Table 6-7  
Exempt Projects included in the RTP/SCS**

Agency	TITLE	PROJECT DESCRIPTION	TRANSPORTATION CONFORMITY RULE - Exempt Reference
County	Neal Road and Cohasset Road Bike Project	On Neal Rd. from Oro-Chico Hwy to the Skyway & unincorporated portion of Cohasset Rd from Chico Limits to the Cohasset School. Construct Class 2 bike lanes.	Section 93.126, Table 2, Air Quality. Bike & Ped Facilities
County	Butte County Forest Motorized Trail Management Plan	Plumas National Forest and Feather River Ranger District. Develop a Trail Assessment Study Report for 19 OHV trails totaling 15.25 miles with the Feather River Ranger District.	Section 93.126, Table 2, Air Quality. Planning & Technical Studies
County	Butte County Highway Safety Improvement Program (HSIP) Grouped Projects	<p>HSIP3-03-002. Lincoln Blvd from 50' north of Idora St to 100' south of Arnold Ave.</p> <p>HSIP5-03-001. County of Butte, Durham-Pentz Rd between SR 99 and SR 191.</p> <p>HSIP5-03-002. County of Butte, signal at East Gridley Rd and Larkin Rd.</p> <p>HSIP5-03-009. City of Oroville, signals at Oro Dam Blvd, Orange Ave, and Acacia Ave signal install.</p> <p>HSIP6-03-006. Town of Paradise, Clark Rd between Adams Rd and Kimberly Ln.</p> <p>HSIP6-03-008. Town of Paradise, Pearson Rd between Clark Rd and Pentz Rd.</p> <p>HSIP6-03-009. Town of Paradise, Clark Rd between Bille Rd and Wagstaff Rd.</p> <p>HSIP7-03-001. City of Chico, Nord Ave (SR 32) from 1st St to 4th St.</p> <p>HSIP7-03-002. City of Chico, Esplanade between Cohasset Rd and Memorial Way.</p> <p>HSIP7-03-003. City of Chico, intersection of Nord Ave and West Sacramento Ave.</p> <p>HSIP7-03-004. Town of Paradise, intersection of Skyway at Black Olive Dr.</p>	<p>Section 93.126, Table 2, Air Quality. Highway Safety Improvement Program</p> <p>Section 93.126, Table 2, Air Quality. Highway Safety Improvement Program</p> <p>Section 93.126, Table 2, Air Quality. Highway Safety Improvement Program</p> <p>Section 93.126, Table 2, Air Quality. Highway Safety Improvement Program</p> <p>Section 93.126, Table 2, Air Quality. Highway Safety Improvement Program</p> <p>Section 93.126, Table 2, Air Quality. Highway Safety Improvement Program</p> <p>Section 93.126, Table 2, Air Quality. Highway Safety Improvement Program</p> <p>Section 93.126, Table 2, Air Quality. Highway Safety Improvement Program</p> <p>Section 93.126, Table 2, Air Quality. Highway Safety Improvement Program</p> <p>Section 93.126, Table 2, Air Quality. Highway Safety Improvement Program</p>
County	Las Plumas SRTS	Between Waler Rd and Autrey Ln. Walmer Rd between Lincoln Blvd and Rosedale Ave. Construct sidewalks, curb, gutter, ramps and AC tie-in; install speed humps and speed feedback signs; upgrade crosswalks	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
County	South Oroville SRTS - ATP	South Oroville SRTS - Lincoln Blvd and Las Plumas Ave. Safe Routes to School project along Lincoln Blvd, Las Plumas Ave, Lower Wyandotte Rd, and Monte Vista Ave. Install bike lanes, sidewalks, pedestrian crossing safety enhancements, and driver feedback signs along the main corridors of the south Oroville area routes to school.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
County	Monte Vista & Lower Wyandotte Class II Bike Facilities	Construct Class II bike facilities along Monte Vista Ave and Lincoln Blvd to Lower Wyandotte Rd in locations that do not have existing curb, gutter and sidewalks, along with Class II bike facilities along Lower Wyandotte Rd from Las Plumas Ave/Oro Bangor Hwy to Monte Vista Ave	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
County	Autry Lane and Monte Vista Safe Routes to Schools Gap Closure Project	Preliminary engineering for curb, gutter, sidewalk, and crossing enhancements along Autry Lane and Monte Vista Ave.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
BCAG	FTA Sec. 5307 Program - B - Line	Butte Regional Transit. Chico UZA Area. Operations and Capital	Section 93.126, Table 2, Mass Transit. Operating
BCAG	FTA Sec. 5310 Program - Grouped Listing	Help Central - Mobility Management Project for Butte 211	Section 93.126, Table 2, Other. Specific activities
BCAG	FTA Sec. 5311 Program	Butte Regional Transit for Supplemental ADA Paratransit Operations	Section 93.126, Table 2, Mass Transit. Operating
BCAG	FTA Sec. 5339 Program	B - Line (Butte Regional Transit) Operations and Capital	Section 93.126, Table 2, Mass Transit. Operating
BCAG	Butte Regional Transit Bus Replacement Program	Butte Regional Transit. Replace, rehabilitate and purchase bus related facilities and equipment.	Section 93.126, Table 2, Mass Transit. Purchase of transit operating equipment for vehicles
BCAG	Butte Regional Transit Bus Replacement Program	Butte Regional Transit - purchase six (6) new 40' low floor buses for fixed route system.	Section 93.126, Table 2, Mass Transit. Purchase of transit operating equipment for vehicles
BCAG	Butte Regional Transit Operations and Maintenance Facility	In Chico, construct new Butte Regional Transit Operations Center (326 Huss Ln).	Section 93.126, Table 2, Mass Transit. Construction of new bus or rail
BCAG	Planning, Programming and Monitoring	Planning, programming and monitoring	Section 93.126, Table 2, Other. Specific activities which do not involve or lead directly to construction
Caltrans	Butte County SHOPP Minor Grouped Listing	SR 99 (Chico) - Install street lighting and construct crosswalks in the City of Chico at northbound off-ramps at Cohasset Rd. and Eaton Rd. to meet current standards for urban interchanges.	Section 93.126, Table 2, Safety & Air Quality. Lighting Improvements - Safety. Bicycle and Pedestrian Facilities - Air Quality.
Caltrans	Butte County SHOPP Collision Reduction Grouped Listing	SR 99 Near Chico at the Rock Creek Bridge #12-27. Widen shoulder on structure SR 191 Near Town of Paradise. Safety improvement project to reduce the number and severity of collisions. SR 191 near Paradise from 2 miles south of Clear Creek Cemetery Rd to South Airport Rd.	Section 93.126, Table 2, Safety. Shoulder Improvements Section 93.126, Table 2, Safety. Pavement resurfacing and/or rehabilitation.
Caltrans	Butte County SHOPP Mandates Grouped Listing	SHOPP Mandates - ADA pedestrian infrastructure project on SR 32 near Chico from Kennedy Avenue to the SR 99/32 separation. Construct sidewalks, curb-ramps and crosswalks.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Caltrans	Butte County SHOPP Bridge Preservation Grouped Listing	State Route 70 in Oroville at Flag Canyon Creek Bridge # 12-0140 and SR 99 near Chico from Estates Drive at 0.4 mile north of Butte Creek Bridge #12-0126R. Replace bridges.	Section 93.126, Table 2, Safety. Widening narrow pavements or reconstructing bridges (no additional travel lanes)
Caltrans	Butte County SHOPP Pavement Rehabilitation Grouped Listing	State Route 99 in Chico, from south of Skyway Overcrossing to south of Garner Lane. Rehabilitate pavement.	Section 93.126, Table 2, Safety. Pavement resurfacing and/or rehabilitation.
Caltrans	Butte County SHOPP Highway Maintenance	State Route 32 in Chico, from La Castana Dr (PM 19) north to Nopel Ave (PM 23.9). Maintenance asphalt overlay.	Section 93.126, Table 2, Safety. Pavement resurfacing and/or rehabilitation.

**Table 6-7  
Exempt Projects included in the RTP/SCS - Continued**

Agency	TITLE	PROJECT DESCRIPTION	TRANSPORTATION CONFORMITY RULE - Exempt Reference
Biggs	City of Biggs SRTS - Aleut St - ATP	Constructs new sidewalks to close existing gaps along the main routes to school. Project includes sidewalk construction on Aleut Street, Bannock Street, 2nd Street and 3rd Street within the central portion of the City of Biggs.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Biggs	Safe Routes to Schools Project	Construct new bike and pedestrian facilities along 2nd & E Streets	Section 93.126, Table 2, Air Quality. Bicycle and
Biggs	City of Biggs SRTS - B St - ATP	SRTS B Street & 2nd St Sidewalk Improvement Project. Construct sidewalk and curb ramps along B Street (1st St to 11th St) and 2nd Street (E St to I St) to close sidewalk gaps and provide a safe route to school.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Chico	SR 99 Cohasset Rd Interchange Direct SB On Ramp	Reconfigure interchange to construct a new direct on-ramp from Eastbound Cohasset Rd to Southbound SR 99 in Chico at post mile 33.5/34.4. Scope of the this project is to complete the technical studies through preliminary engineering.	Section 93.127, Table 3 Projects Exempt from Regional Emissions Analyses. Interchange reconfiguration projects.
Chico	SR 99 Corridor Bikeway Phase 5 - 20th Street Crossing PE	SR 99 Corridor Bikeway Project Phase 5 completes the gap adjacent to SR 99 from Chico Mall across 20th Street to the north end of Business Lane. This project is to complete the technical studies only thru preliminary engineering.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Chico	SR 99 Corridor Bikeway Phase 4 - ATP	SR 99 Bikeway Phase 4 Improvements. Constructs Class 1 bikeway from Business Lane to Skyway.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Chico	Esplanade Corridor Safety and Accessibility Improvement Project	The scope of the project includes various non-motorized "complete streets" improvements along the Esplanade Corridor from W. 11th Avenue to Memorial Avenue. Improvements are as follows: 1) ADA improvements (ramps, sidewalk gap closures); 2) Pedestrian refuge islands at all signalized and non-signalized intersections both at center islands and islands separating travel lanes from frontage roads; 3) Traffic signal equipment upgrades (pedestrian countdown signal heads with adequate time to cross Esplanade); 4) Consistent pavement markings and signage ("Keep Clear" pavement delineations with either green pavement and/or slightly raised colored concrete option); 5) Traffic signal timing plan with pedestrian push button and vehicle detection (use detection based system during peak times, use existing 28mph progression during non-peak times).	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
			Section 93.126, Table 2, Other. Directional and
			Section 93.128 Traffic signal synchronization
Oroville	Table Mountain Blvd Roundabout	In Oroville at Table Mountain Blvd., Nelson Ave and Cherokee Rd - Reconfigure intersection and construct a roundabout.	Section 93.127, Table 3 Projects Exempt from Regional Emissions Analyses. Intersection
Oroville	SR 162 Pedestrian/Bicycle and Disabled Mobility and Safety Improvements	State Route 162 in Oroville between Feather River Blvd and Foothill Blvd. Includes a comprehensive set of active transportation infrastructure connectivity and safety improvements. The project scope includes the following elements: new sidewalk, curb, and gutter; ADA ramps; street lighting; high-visibility crosswalk striping; buffered bicycle lanes; an RRFB crosswalk enhancement; a multi-use trail connection to SR 162; and an enhanced pedestrian crossing with a signal (H.A.W.K.) upgrade.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Paradise	Paradise Transit Center	In the Town of Paradise, construct new transit center on the Skyway near Foster Ave. Multi-modal improvements include transit, bike, and pedestrian enhancements.	Section 93.127, Table 3 Projects Exempt from Regional Emissions Analyses, Bus terminals and transfer points.
Paradise	Maxwell Dr SR2S Project	Safe Routes to School project along Maxwell Dr between Skyway and Elliot Rd. Improvements include the construction of sidewalks, curb and gutter along Maxwell Dr. Shoulders will also be widened to facilitate Class 2 bike lanes.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Paradise	Pearson Rd SR2S Connectivity Project	Safe Routes to School project along Pearson Rd between Black Olive and Academy Drives. Improvements include the construction of sidewalks, curb and gutter on the north and south sides of Pearson Rd. The project will require minor drainage improvements and construction of appropriate retaining walls for hillside slopes.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Paradise	Almond St Multi-Modal - ATP	Almond Street Multi-Modal. The proposed project will add sidewalks, curbs and gutters to Almond Street between Pearson Rd and Elliot Rd.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Paradise	Paradise Memorial Trailway - ATP	Memorial Trailway Class 1 Enhancements (Neal Rd to Pentz Rd). Upgrade bike/ped facility, to current standard for width and minimum standard for shoulders. Project also includes crosswalk enhancements at 5 arterial intersections.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Paradise	Ponderosa Elementary SRTS - ATP	Ponderosa Elementary SRTS Project. Project will convert Pentz Road (between Bille Rd and 300' north of Wagstaff Rd) from a 2-lane, 20' wide roadway to a complete street solution supporting walking, bicycling and rolling to and from school and nearby destinations. No change in travel lanes.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Paradise	Downtown Paradise Equal Mobility - ATP	Downtown Paradise Equal Mobility Project. Improvements include the removal of barriers, gravel sidewalks, asphalt sidewalks, and driveways with construction of ADA-compliant facilities. On Skyway between Pearson Rd and Elliott Rd.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities

**Table 6-7  
Exempt Projects included in the RTP/SCS - Continued**

Agency	TITLE	PROJECT DESCRIPTION	TRANSPORTATION CONFORMITY RULE - Exempt Reference
Paradise	ATP Gap Closure Project	Construct new sidewalks, curbs and gutters, and class II bicycle lanes in downtown Paradise along Fir Street (Skyway to Black Olive), Birch Street (Skyway to Black Olive), in addition to portions of Foster Road (Pearson to Birch), Black Olive Drive (Pearson to Fir) and Elliott Road (Skyway to Almond).	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities
Various	Local Highway Bridge Projects (HBP) - Grouped Listing -Lump Sum	Midway Bridge Replacement across Butte Creek. On Midway (old SR 99) approximately 0.2 miles south of White Ave. to approximately 0.7 miles south of White Ave. ,spanning Butte Creek and Butte Creek Overflow. Replace 2 bridge structures.	Section 93.126, Table 2, Safety. Widening narrow pavements or reconstructing bridges (no additional travel lanes)
		E Rio Bonito Rd over Hamilton Slough	Section 93.126, Table 2, Safety. Widening narrow
		E Rio Bonito Rd over Sutter Butte Canal	Section 93.126, Table 2, Safety. Widening narrow
		Oregon Gulch Rd over Morris Ravine	Section 93.126, Table 2, Safety. Widening narrow
		Ord Ferry Rd over Little Chico Creek	Section 93.126, Table 2, Safety. Widening narrow
		Pomona Rd over Little Chico Creek	Section 93.126, Table 2, Safety. Widening narrow
		Salem St over Little Chico Creek	Section 93.126, Table 2, Safety. Widening narrow
County	Oro-Chico Hwy Bike Project	Construct Class 2 Bike lane from Midway to Butte Campus Drive along Oro Chico Hwy, Durham Dayton Hwy & Durham Pentz Rd.	Section 93.126, Table 2, Air Quality. Bicycle and Pedestrian Facilities

**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.

### Unfunded SHOPP Projects

The following projects are provided for information and may be amended into the RTP & FTIP at a future date as future SHOPP projects.

Route	Back PM	Ahead PM	Activity Category	Activity Location	TYP Total Project Cost (\$K)	PID Cycle
'032	1.3	1.8	Bridge	Approximately 6 miles west of Chico on Rte 32 from Pine Creek Lagoon to Pine Creek Overflow (PM 1.3/1.8) and on Rte 45 in Knights Landing at Sycamore Slough (PM 0.13)	\$1,000	2020
'070	15.43	16.63	Bridge	In Butte County, in the city of Oroville, at Grand Avenue OC and Garden Drive OC	\$10,600	2020
'099	R30.60	R36.31	Bridge	In the city of Chico, from Skyway OC to Eaton Rd OC	\$21,300	2020
'149	R3.96	R3.96	Bridge	In Butte County, approx 0.8 mile N of Shippee Rd at Clear Creek Br (Br#12-73R)	\$300	
'032	6	8.8	Mobility	Chico	\$5,500	
'099	0	45.98	Mobility	from just north of Sutter/Butte Co Line to 11 miles North of City of Chico	\$8,320	2020
'099	30.69	34.79	Mobility	In Butte County on Route 99, in the city of Chico	\$55,800	2024
'162	18.46	22.9	Mobility	In Butte County, on SR 162 from Oroville City Limits to Miners Ranch Road.	\$24,005	
'162	20.4	20.5	Mobility	Oro-Quincy Hwy & Oakvale Avenue	\$4,500	2020
'032	4.4	10.2	Pavement	In and near Chico from Mud Creek Bridge (Br#12-0045) to Route 99	\$9,360	2020
'032	11.2	37.8	Pavement	In Butte County from El Monte Ave to Plumas County Line	\$16,250	2020
'032	33.3	34.6	Pavement	In Butte County in the City of Chico from First Ave UC (12-153) to North Chico OH (12-157). Roadway Rehab	\$6,700	
'070	0	9.2	Pavement	In Butte County from Yuba County line to 0.3 miles east of Welsh Rd/Palermo Rd	\$6,256	2020
'070	17	19.8	Pavement	In Butte County from 0.2 mile north of Garden Drive to Campbell Creek Overflow Bridge (Br#12-0145)	\$3,750	2020

'099	24.6	30.1	Pavement	In Butte County from 0.9 mile south of Hamlin Slough Bridge (Br#12-0131) north to Skyway OC	\$6,875	2020
'099	R3.5	4.9	Pavement	In and near Gridley from Obermeyer Dr to Chico San Dr	\$8,400	2020
'162	15.8	18	Pavement	In Oroville from Jct Rte 70 to Lower Wyandote Rd	\$3,320	2020
'099	R31.1	R33.9	Roadside	In Butte County in & near Chico on SR 99 from East 20th St OC to Lindo Channel Bridge. Rehab highway planting & irrigation.	\$1,200	2022
'032	0.3	5.1	Safety - SI	In Butte County on Route 32 between Hamilton City and Chico. widen shoulder and establish CRS.	\$19,680	
'032	6	8.8	Safety - SI	In Butte County on Route 32 at various locations.	\$5,500	
'070	40	44	Safety - SI	On Butte 70 at various locations. Replace rock walls with textured concrete barrier.	\$7,088	
'099	34.576	34.78	Safety - SI	In Butte County on Route 99, at NB off-ramp to East Avenue. Widen ramp to reduce backup onto mainline.	\$1,555	

Rte	Back PM	Ahead PM	Activity Category	Activity Location	TYP Total Project Cost (\$K)	EA	Prop'd SHOPP Cycle
'099	45.9	45.9	Advance Mitigation	On Route 99 in Tehama County 0.2 mi north of the Butte County Line.	\$1,900	'2H140	2018
'070	28.2	28.22	Bridge	West Branch Feather River Bridge, Br#12-0134	\$5,600	'1H120	2018
'099	R28.0	39	Mobility	In Chico area between Southgate at JNO Eaton Road. Install and implement ITS elements in Chico area: Detection, CCTV, VDS.	\$6,300	'1H860	2018
'162	12.1	18.5	Mobility	0.3 mi East of Wilber Rd to Foothill Blvd, 0.5 Mi East of City of Oroville	\$4,000	'2F870	2018

Route	BackPM	AheadPM	TYP	PID Cycle	Main Activity Category	Perf Activity Category	Activity Detail
32	6	8.8	2017		Mobility	Mobility	ADA - Install accessible pedestrian signal (201.361)
99	R3.5	4.9	2017	2018	Pavement	Pavement	Mainline existing Asphalt Pavement Rehabilitation (e.g. Lane Replace, thick overlay, full depth recycle, etc...) (201.122, 120)
99	R3.5	4.9	2017	2018	Pavement	Mobility	ADA - Repair/upgrade curb ramp (201.361)
149	R3.96	R3.96	2017		Bridge	Bridge	Bridge Rehabilitation (201.110, .111, .113, .322)
162	15.8	18	2017	2020	Pavement	Pavement	Mainline existing Asphalt Pavement Rehabilitation {e.g. Lane Replace, thick overlay, full depth recycle, etc..} USE FOR CLASS 1 & 2 ROADS (201.122, 120)
162	18.1	19.85	2017	2018	Safety - SI	Safety	Collisions Reduced

## 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/SCS. 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. SR 32 is a regionally significant goods movement corridor for west/east travel.

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 <sup>th</sup> 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 <sup>th</sup> 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 improve the operations at and near the Park and Ride & Fir Streets as well as to widen the SR 32 to four lanes. Project is funded by the City of Chico and Caltrans CMIA program. Construction to widen SR 32 between SR 99 and El Monte is scheduled

	was completed in 2016. Funding for the segment between El Monte and Yosemite is not yet secured.
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. This section of SR 70 is also designated as a scenic byway. The SR 70 is a major goods movement route for the region.

<b>Segment Description</b>	<b>Long Term Future Strategy / Vision</b>
Butte / Yuba County Line to Ophir Rd	Work with Caltrans to identify STIP and SHOPP project. 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. The passing lane projects are currently defined as STIP regional priorities.
Ophir Rd to junction at SR 149	Work with Caltrans to maintain 4 lane facility with the SHOPP. No significant projects are anticipated.
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 completed construction of 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. BCAG's SR 99 Chico Auxiliary Lane Project Phase 2 & 3 have been completed. This project added an auxiliary lane on SR 99 between SR 32 and E. 1<sup>st</sup> Avenue. Construction was completed in 2015.

<b>Segment Description</b>	<b>Long Term Future Strategy / Vision</b>
Butte / Sutter County Line to E. Biggs Rd	Work with Caltrans to identify potential SHOPP projects. Work with Gridley and Caltrans on SHOPP project through the City of Gridley.
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 potential SHOPP projects.
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 was completed in 2010.

## **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.

<b>Segment Description</b>	<b>Long Term Future Strategy / Vision</b>
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 to address local congestion and safety concerns. Work to identify potential SHOPP and or ATP types of projects
Oro Dam Blvd. to Foothill	Work with Caltrans and Oroville to address local congestion and safety concerns. Work to identify potential SHOPP and or ATP types of projects
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 2016 STIP and 2017 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  
HBP: Highway Bridge Program  
IIP: Interregional Improvement Program  
Local: Local Agency Funds  
RIP: Regional Improvement Program  
SHOPP: State Highway Operations and Protection Program  
ATP: Active Transportation Program  
HSIP: Highway Safety Improvement Program  
RTP: Recreation Trails Program

Table 6-8 – 2017 FTIP Projects

FY 2016/17 - YEAR 1		Dollars in thousands												
Agency	Title	Local Funds	RIP-State	RIP-Fed	IIP-Fed	SHOPP	PLH/Demo	FTA Funds	RTPF	CMAQ	HBP	HSIP	ATP	Totals
Biggs	Safe Routes to Schools Program	0	0	0	0	0	0	0	0	160	0	0	0	160
County	Forest Motorized Travel Management Plan	6	0	0	0	0	0	0	31	0	0	0	0	37
County	Monte Vista & Lower Wyandotte Class II Bike Project	0	0	0	0	0	0	0	0	115	0	0	0	115
County	Autry Lane & Monte Vista Safe Routes to Schools Gap Closure Project	0	0	0	0	0	0	0	0	300	0	0	0	300
BCAG	Planning, Programming and Monitoring	0	202	0	0	0	0	0	0	0	0	0	0	202
Caltrans	SR70 Passing Lanes (Segment 1)	0	0	1,000	1,000	0	0	0	0	0	0	0	0	2,000
BCAG	FTA Sec. 5307 Program - B - Line	2,325	0	0	0	0	0	2,325	0	0	0	0	0	4,649
BCAG	FTA Sec 5311 Program	802	0	0	0	0	0	651	0	0	0	0	0	1,453
BCAG	FTA Section 5339 Program	0	0	0	0	0	0	550	0	0	0	0	0	550
BCAG	FTA 5311f - Butte Regional Transt	255	0	0	0	0	0	300	0	0	0	0	0	555

Table 6-8 – Continued

FY 2016/17 - YEAR 1		Dollars in thousands												
Agency	Title	Local Funds	RIP-State	RIP-Fed	IIP-Fed	SHOPP	PLH/Demo	FTA Funds	RTPF	CMAQ	HBP	HSIP	ATP	Totals
Caltrans	SHOPP Collision Reduction Grouped Listing	0	0	0	0	34,590	0	0	0	0	0	0	0	34,590
Caltrans	SHOPP Roadway Preservation - Grouped Listing	0	0	0	0	5,706	0	0	0	0	0	0	0	5,706
Chico	SR 99 Corridor Bikeway Phase 5 - 20th Street Crossing PE	0	0	0	0	0	0	0	0	300	0	0	0	300
Chico	SR 99 Bikeway Phase 4 Improvements	0	0	0	0	0	0	0	0	400	0	0	0	400
Chico	Esplanade Corridor Safety and Accessibility Improvement Project	0	0	0	0	0	0	0	0	350	0	0	0	350
Paradise	Pearson Rd SR2S Connectivity Project - ATP	0	0	0	0	0	0	0	0	200	0	0	0	200
Paradise	ATP Gap Closure Project	6	0	0	0	0	0	0	0	306	0	0	0	312
Various	Local HBP - Grouped Listing - Lump Sum	0	0	0	0	0	0	0	0	0	2,800	0	0	2,800
Various	Butte County HSIP Grouped Projects	161	0	0	0	0	0	0	0	0	0	2,274	0	2,434
Various	FTA 5310 Enhancement Program Group Listing - Non Infrastructure	0	0	0	0	0	0	150	0	0	0	0	0	150
<b>TOTALS</b>		<b>3,554</b>	<b>202</b>	<b>1,000</b>	<b>1,000</b>	<b>40,296</b>	<b>0</b>	<b>3,976</b>	<b>31</b>	<b>2,131</b>	<b>2,800</b>	<b>2,274</b>	<b>0</b>	<b>57,263</b>
				SHOPP	Collision	34,590		2,325	5307	FTA				
			Road		5,706		150	5310						
			Bridge				651	5311						
			Mandates				300	5311f						
			Total		<b>40,296</b>		550	5339						
						<b>3,976</b>	Total							



Table 6-8 – Continued

FY 2017/18 - YEAR 2														
Agency	Title	Local Funds	RIP-State	RIP-Fed	IIP- Fed	SHOPP	PLH/Demo	FTA Funds	RTPF	CMAQ	HBP	HSIP	ATP	Totals
County	Central House Rd Ovedr Wymann Ravine Bridge	0	0	0	0	0	0	0	0	0	65	0	0	65
County	Monte Vista & Lower Wyandotte Class II Bike Project	0	0	0	0	0	0	0	0	15	0	0	0	15
BCAG	SR70 Passing Lanes (Segment 1)	0	0	900	900	0	0	0	0	0	0	0	0	1,800
BCAG	FTA Sec. 5307 Program - B - Line	2,325	0	0	0	0	0	2,325	0	0	0	0	0	4,650
BCAG	FTA Sec 5311 Program	802	0	0	0	0	0	651	0	0	0	0	0	1,453
BCAG	FTA Section 5339 Program	0	0	0	0	0	0	188	0	0	0	0	0	188
BCAG	FTA 5311f - Butte Regional Transt	255	0	0	0	0	0	300	0	0	0	0	0	555
Caltrans	SR70 Passing Lanes (Segment 2)	0	0	0	0	0	493	0	0	0	0	0	0	493
Chico	Guynn Rd over Lindo Channel Bridge Project	0	0	0	0	0	0	0	0	0	100	0	0	100
Chico	SR 99 Cohasset Rd Interchange Direct SB On Ramp	464	0	0	0	0	0	0	0	736	0	0	0	1,200
Chico	SR 99 Bikeway Phase 4 Improvements	86	0	0	0	0	0	0	0	200	0	0	800	1,086



Table 6-8 – Continued

FY 2018/19 - YEAR 3														
Agency	Title	Local Funds	RIP-State	RIP-Fed	IIP- Fed	SHOPP	PLH/ Demo	FTA Funds	RTPF	CMAQ	HBP	HSIP	ATP	Totals
County	Monte Vista & Lower Wyandotte Class II Bike Project	0	0	0	0	0	0	0	0	620	0	0	0	620
BCAG	FTA Sec. 5307 Program - B - Line	2,325	0	0	0	0	0	2,325	0	0	0	0	0	4,649
BCAG	FTA Sec 5311 Program	802	0	0	0	0	0	651	0	0	0	0	0	1,453
BCAG	FTA Section 5339 Program	0	0	0	0	0	0	188	0	0	0	0	0	188
BCAG	FTA 5311f - Butte Regional Transt	255	0	0	0	0	0	300	0	0	0	0	0	555
Caltrans	SHOPP Mandates Grouped Listing	0	0	0	0	5,265	0	0	0	0	0	0	0	5,265
Chico	Guyann Rd over Lindo Channel Bridge Project	0	0	0	0	0	0	0	0	0	2,671	0	0	2,671
Various	Local HBP - Grouped Listing - Lump Sum	313	0	0	0	0	0	0	0	0	13,988	0	0	14,301
Various	FTA 5310 Enhancement Program Group Listing - Non Infrastructure	0	0	0	0	0	0	150	0	0	0	0	0	150
<b>TOTALS</b>		<b>3,695</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,265</b>	<b>0</b>	<b>3,614</b>	<b>0</b>	<b>620</b>	<b>16,659</b>	<b>0</b>	<b>0</b>	<b>29,852</b>
						SHOPP	Collision	2,325	5307	FTA				
					Road		150	5310						
					Bridge		651	5311						
					Mandates		5,265	300	5311f					
					Total		<b>5,265</b>	188	5339					
							<b>3,614</b>	Total						

Table 6-8 – Continued

FY 2019/20 - YEAR 4														
Agency	Title	Local Funds	RIP- State	RIP- Fed	IIP- Fed	SHOPP	PLH/ Demo	FTA Funds	RTPF	CMAQ	HBP	HSIP	ATP	Totals
Biggs	Safe Routes to Schools Program	800	0	0	0	0	0	0	0	0	0	0	0	800
BCAG	SR70 Passing Lanes (Segment 1)	0	0	11,200	11,200	0	0	0	0	0	0	0	0	22,400
BCAG	FTA Sec. 5307 Program - B - Line	2,325	0	0	0	0	0	2,325	0	0	0	0	0	4,650
BCAG	FTA Sec 5311 Program	802	0	0	0	0	0	651	0	0	0	0	0	1,453
BCAG	FTA Section 5339 Program	0	0	0	0	0	0	188	0	0	0	0	0	188
BCAG	FTA 5311f - Butte Regional Transt	255	0	0		0	0	300	0	0	0	0	0	555
Caltrans	SHOPP Bridge Preservation Grouped Listing	0	0	0	0	19,300	0	0	0	0	0	0	0	19,300
Chico	Esplanade Corridor Safety and Accessibility Improvement Project	1,075	0	0	0	0	0	0	0	0	0	0	0	1,075
Paradise	ATP Gap Closure Project	4,376	0	0	0	0	0	0	0	269	0	0	0	4,645
Various	Local HBP - Grouped Listing - Lump Sum	0	0	0	0	0	0	0	0	0	1,435	0	0	1,435
Various	FTA 5310 Enhancement Program Group Listing - Non Infrastructure	0	0	0	0	0	0	150	0	0	0	0	0	150
<b>TOTALS</b>		<b>9,633</b>	<b>-</b>	<b>11,200</b>	<b>11,200</b>	<b>19,300</b>	<b>-</b>	<b>3,614</b>	<b>-</b>	<b>269</b>	<b>1,435</b>	<b>-</b>	<b>-</b>	<b>56,651</b>
				<b>SHOPP</b>	Collision			2,325	5307	<b>FTA</b>				
					Road			150	5310					
					Bridge	19,300		651	5311					
					Mandates			300	5311f					
					Total	<b>19300</b>		188	5339					
							<b>3,614</b>	Total						

Source: CTIPS AB1012 Report by Fiscal Report for BCAG – July 2016

Table 6-8 – Continued

2017 FTIP PERIOD - ALL PROJECTS	Local Funds	RIP- State	RIP- Fed	IIP- Fed	SHOPP	PLH/ Demo	FTA Funds	RTPF	CMAQ	HBP	HSIP	ATP	Totals	
<b>TOTALS</b>	<b>20,861</b>	<b>1,701</b>	<b>13,100</b>	<b>13,100</b>	<b>64,861</b>	<b>493</b>	<b>14,817</b>	<b>31</b>	<b>4,511</b>	<b>21,425</b>	<b>4,516</b>	<b>800</b>	<b>160,216</b>	
Chico	7,006		SHOPP	Collision	34,590		9,299	5307	FTA					
County	328			Road	5,706		600	5310						
BCAG	13,527			Bridge	19,300		2,603	5311						
TOTALS	20,861			Mandates	5,265		1,200	5311f						
				Total	64,861		1,115	5339						
							14,817	Total						

