Madera County Transportation Commission

2018

Regional Transportation Improvement Program



Fiscal Years 2018/19 through 2022/23

APPROVED

November 22, 2017



Madera County Transportation Commission 2001 Howard Road, Suite 201 Madera, CA 93637

www.maderactc.org



2001 Howard Road, Suite 201 Madera, California 93637

Office: 559-675-0721 Fax: 559-675-9328

Website: www.maderactc.org

November 22, 2017

Susan Bransen, Executive Director California Transportation Commission 1120 N Street, Room 2233 (MS-52) Sacramento, CA 95814

RE: Submittal of MCTC's 2018 Regional Transportation Improvement Program

Dear Ms. Bransen:

The Madera County Transportation Commission (MCTC) is the Metropolitan Planning Organization (MPO), and Regional Transportation Planning Agency (RTPA) for Madera County. The development of the MCTC 2018 Regional Transportation Improvement Program (RTIP) incorporates input from stakeholders, partner agencies, and the public. The list of projects identified in this RTIP represents some of the Madera region's priority projects.

MCTC has worked closely with Caltrans District 6 Staff to develop the project list in the 2018 RTIP. Caltrans and MCTC staffs meet on a quarterly basis to discuss the status of STIP projects and other regional projects for which Caltrans is either the lead agency or provides direct oversight. MCTC is requesting the restoration of the SR 99 Avenue 7-12 highway widening project that was previously deleted from the 2016 STIP.

Please feel free to contact myself, Troy McNeil or Jeff Findley of my staff at (559) 675-0721 if you have any questions or require additional information regarding the MCTC 2018 RTIP.

Sincerely,

Patricia Taylor, Executive Director

Madera County Transportation Commission

Member Agencies: County of Madera, City of Madera, City of Chowchilla

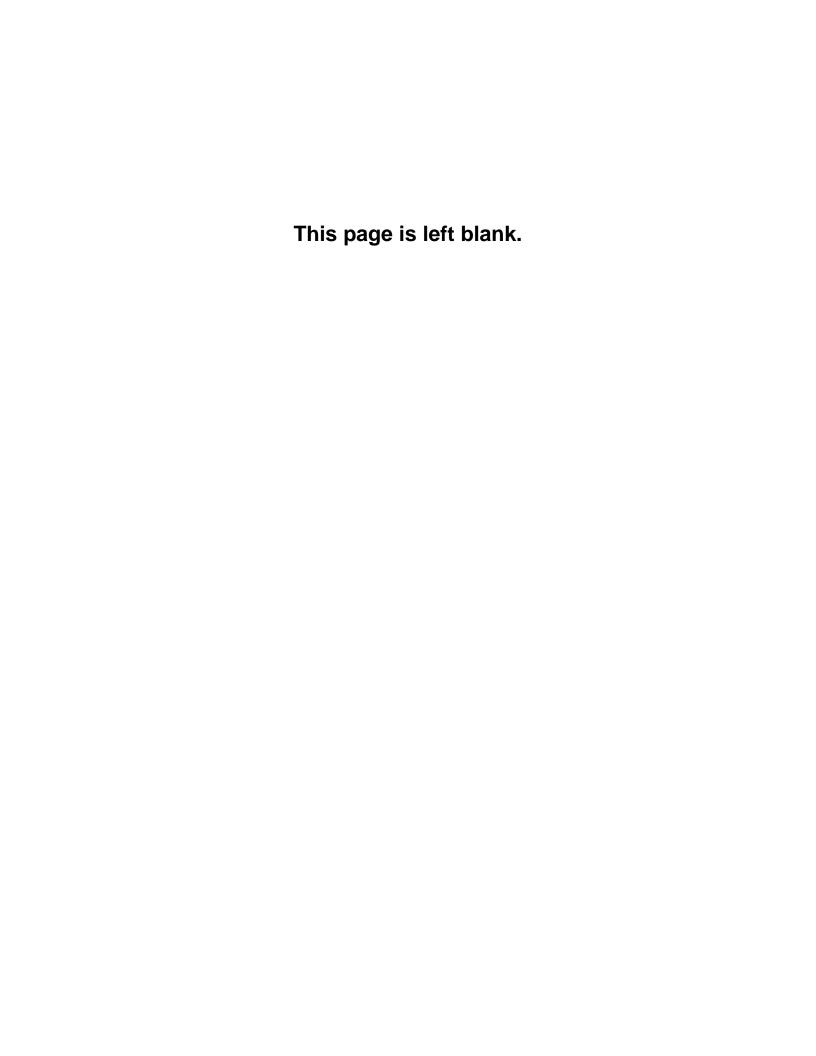
2018 REGIONAL TRANSPORTATION IMPROVEMENT PROGRAM (2018 RTIP) MADERA COUNTY TRANSPORTATION COMMISSION

Table of Contents

Page Number

Cover Letter

A.	Overview and Schedule
	Section 1. Executive Summary1
	Section 2. General Information1
	Section 3. Background of Regional Transportation Improvement Program (RTIP)2
	Section 4. Completion of Prior RTIP Projects
	Section 5. RTIP Outreach and Participation4
В.	2018 STIP Regional Funding Request
	Section 6. 2018 STIP Regional Share and Request for Programming5
	Section 7. Overview of Other Funding Included With Delivery of Regional
	Improvement Program (RIP) Projects6
	Section 8. Interregional Transportation Improvement Program (ITIP) Funding7
	Section 9. Projects Planned Within the Corridor7
C.	Relationship of RTIP to RTP/SCS/APS and Benefits of RTIP
	Section 10. Regional Level Performance Evaluation8
	Section 11. Regional and Statewide Benefits of RTIP9
D.	Performance and Effectiveness of RTIP
	Section 12. Evaluation of the Cost Effectiveness of RTIP
	Section 13. Project Specific Evaluation11
E.	Detailed Project Information
	Section 14. Overview of Projects Programmed with RIP Funding
F.	<u>Appendices</u>
	Section 15. Projects Programming Request Forms
	Section 16. Board Resolution or Documentation of 2018 RTIP Approval
	Section 17. Documentation on Coordination with Caltrans District (Optional)
	Section 18. Detailed Project Programming Summary Table (Optional)
	Section 19. Alternative Delivery Methods (Optional)
	Section 20. Caltrans B/C Calculations



A. Overview and Schedule

Section 1. Executive Summary

The 2018 Regional Transportation Improvement Program (RTIP) for Madera County is prepared by the Madera County Transportation Commission (MCTC) and proposes how regional discretionary transportation dollars should be programmed from Fiscal Year (FY) 2019-2023. The deadline for regions to submit programming requests for the 2018 STIP is December 15, 2017. The California Transportation Commission (CTC) will adopt the 2018 STIP in March 2018. For purposes of this 2018 RTIP, the 2018 STIP Guidelines and Revised Fund Estimate are the basis of current funding assumptions. The RTIP is updated every two years and submitted to the CTC. This RTIP covers a five-year period from July 1, 2018 through June 30, 2023 (State fiscal years 2018/19 – 2022/23).

Section 2. General Information

- Regional Agency Name

Madera County Transportation Commission (MCTC)

 Agency website links for Regional Transportation Improvement Program (RTIP) and Regional Transportation Plan (RTP).

Regional Agency Website Link: www.maderactc.org

RTIP document link: http://www.maderactc.org/projects/regional-

transportation-improvement-program-rtip/

RTP link: http://www.maderactc.org/rtpscs/

Regional Agency Executive Director/Chief Executive Officer Contact Information

Name Patricia Taylor
Title Executive Director
Email patricia@maderactc.org
Telephone (559) 675-0721 ext. 13

- RTIP Manager Staff Contact Information

Name Jeff Findley Title Senior Regional Planner

Address 2001 Howard Road, Suite 201

City/State Madera, CA

Zip Code 93637

Email Jeff@maderactc.org

Telephone (559) 675-0721 ext. 16 Fax (559) 675-9328

California Transportation Commission (CTC) Staff Contact Information

Name Mitch Weiss Title Deputy Director

Address 1120 N Street

City/State Sacramento, CA

Zip Code 95814

Email mitchell.weiss@dot.ca.gov

Telephone 916-653-2072 Fax 916-653-2134

Section 3. Background of Regional Transportation Improvement Program (RTIP)

A. What is the Regional Transportation Improvement Program?

The RTIP is a program of highway, local road, transit and active transportation projects that a region plans to fund with State and Federal revenue programmed by the CTC in the State Transportation Improvement Program (STIP). The RTIP is developed biennially by the regions and is due to the CTC by December 15 of every odd numbered year. The program of projects in the RTIP is a subset of projects in the Regional Transportation Plan (RTP), a federally mandated master transportation plan which guides a region's transportation investments over a 20 to 25 year period. The RTP is based on all reasonably anticipated funding, including federal, state and local sources. Updated every 4 to 5 years, the RTP is developed through an extensive public participation process in the region and reflects the unique mobility, sustainability, and air quality needs of each region.

B. Regional Agency's Historical and Current Approach to developing the RTIP

As the Regional Transportation Planning Agency, MCTC is responsible for developing the Madera County Transportation Improvement Program. The RTIP serves two functions:

- 1. Proposes projects and funding reserves for programming in the STIP
- 2. Conveys the transportation needs of Madera County

The RTIP is one part of the planning, programming and monitoring process that occurs in cooperation with local, state and federal agencies to achieve the ultimate goal of implementing or constructing transportation projects that reflect a well-based and long-term plan.

The cycle begins with the preparation of the RTP. The RTP is the long-term twenty-year plan for transportation in Madera County. Based on the findings of the RTP, MCTC prepares the RTIP, which proposes transportation projects to the CTC and covers a period of five years. Simultaneously, Caltrans prepares the Interregional Transportation Improvement Program (ITIP), which nominates highway, rail and other projects that are important to the state. The CTC combines all the regional RTIPs and the ITIP, creating a single programming document, the STIP. Funds are allocated only to projects that are included in the STIP. After the STIP is adopted, MCTC will prepare the three-year Federal Transportation Improvement Plan (FTIP), which contains only funded projects.

In the RTIP, Madera County nominates projects under the Regional Improvement Program (RIP). In the ITIP, Caltrans nominates highway construction projects under the Interregional Improvement Program (IIP). In the past, projects from the regional and interregional programs in a county competed for the same pool of funding, then known as the county minimum. Now this pool is called the county share, and it is allocated only to the region. The interregional program is now separate, with funds allocated on a statewide basis, and no requirement that any minimum amount be spent in each county.

Section 4. Completion of Prior RTIP Projects (Required per Section 68)

The following STIP project was completed since the adoption of the 2016 STIP. Caltrans completed construction in 2016, and the project is currently in the Closeout Phase.

Project Name and Location	Description	Summary of Improvements/Benefits
State Route 41 Passing Lanes PPNO: 6606	The SR 41 Passing Lanes are located between SR 145 and Road 200 in Madera County at the location of the initial climb from the San Joaquin Valley floor to the Sierra Nevada Mountain Range. Legend SR 41 Passing Lanes Road 208 Road 208	Improvements/Benefits The addition of passing lanes will improve safety and overall traffic operations by breaking up traffic platoons and reducing traffic delays caused by inadequate passing opportunities. Passing lanes are needed to help achieve the desired Level of Service 'D' from the current LOS 'E'.
	0 0.25 0.5 1 1.5 2 Miles	

Section 5. RTIP Outreach and Participation

A. RTIP Development and Approval Schedule

Action	Date
CTC adopts Fund Estimate and Guidelines	August 16, 2017
Caltrans identifies State Highway Needs	September 15, 2017
Caltrans submits draft ITIP	October 13, 2017
MCTC adopts 2018 RTIP	November 22, 2017
CTC ITIP Hearing, North	October 19, 2017
CTC ITIP Hearing, South	October 24, 2017
Regions submit RTIP to CTC	December 15, 2017
Caltrans submits ITIP to CTC	December 15, 2017
CTC STIP Hearing, South	January 25, 2018
CTC STIP Hearing, North	February 1, 2018
CTC publishes staff recommendations	February 28, 2018
CTC Adopts 2018 STIP	March 21-22, 2018

B. Public Participation/Project Selection Process

MCTC has an adopted Public Participation process. MCTC consults with State and local agencies during the project selection process. The RTIP is one part of the planning, programming and monitoring process that occurs in cooperation with local, state and federal agencies to achieve the ultimate goal of implementing or constructing transportation projects that reflect a well-based and long-term plan. The MCTC 2018 RTIP cycle begins with the preparation of the RTP. In the RTIP, Madera County nominates projects under the RIP. In the ITIP, Caltrans nominates highway construction projects under the IIP. In the past, projects from the regional and interregional programs in a county competed for the same pool of funding, then known as the county minimum. Now this pool is called the county share, and it is allocated only to the region. The interregional program is now separate, with funds allocated on a statewide basis, and no requirement that any minimum amount be spent in each county.

C. Consultation with Caltrans District (Required per Section 17)

Caltrans District: 6

Per Section 17 of the STIP Guidelines, MCTC has consulted with Caltrans District 6 staff in regards to the projects in the RTIP. Caltrans and MCTC staffs meet on a quarterly basis to discuss the status of STIP projects and other regional projects for which Caltrans is either the lead agency or provides direct oversight. It should be noted that Caltrans is the lead agency for all current projects in the Madera 2018 RTIP.

B. 2018 STIP Regional Funding Request

Section 6. 2018 STIP Regional Share and Request for Programming

A. 2018 Regional Fund Share Per 2018 STIP Fund Estimate (\$13,688,000)

B. Summary of Requested Programming

Project Name and Location	Project Description	Requested RIP Amount
State Route 99 – Avenue 12 to Avenue 17 Widen to 6 Lanes PPNO: 5335	Widening of this section of SR 99 within the city limits of the City of Madera is needed to improve safety, reduce congestion, increase connectivity of the highway system, and preserve acceptable facility operation. The proposed 6-lane freeway would accommodate the traffic demand at or above LOS 'D' by 2025.	\$1,545,000
Planning, Programming and Monitoring (PPM) – Madera County Transportation Commission	Planning, Programming and Monitoring	\$270,000

Section 7. Overview of Other Funding Included With Delivery of Regional Improvement Program (RIP) Projects

MCTC has allocated Regional Improvement Program (RIP) funds towards one project that was included in the 2016 RTIP. There currently remains a significant unfunded need for this project.

	Other Funding						
Proposed 2018 RTIP	Total RTIP	IIP	RSTP/ CMAQ	RIP	Local Measure	Unfunded Need	Total Project Cost
State Route 99 – Avenue 12 to Avenue 17 Widen to 6 Lanes PPNO: 5335	\$1,545,000			\$1,545,000	\$4,850,000	\$75,000,000	\$81,395,000
Totals	\$1,545,000			\$1,545,000	\$4,854,000	\$75,000,000	\$81,395,000

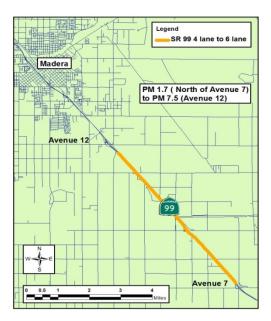
Notes: MCTC is attempting to secure additional State and Federal funding for this project.

Section 8. Interregional Transportation Improvement Program (ITIP) Funding

The ITIP is to improve interregional mobility for people and goods in the State of California. As an interregional program, the ITIP is focused on increasing the throughput for highway and rail corridors of strategic importance outside the urbanized areas of the state. A sound transportation network between and connecting urbanized areas ports and borders is vital to the state's economic vitality. The ITIP is prepared in accordance with Government Code Section 14526, Streets and Highways Code Section 164 and the STIP Guidelines. The ITIP is a five-year program managed by Caltrans and funded with 25% of new STIP revenues in each cycle. Developed in cooperation with regional transportation planning agencies to ensure an integrated transportation program, the ITIP promotes the goal of improving interregional mobility and connectivity across California.

ITIP funding is being requested for the following project that was included in the 2014 RTIP, but was removed from the 2016 RTIP due to the absence of STIP capacity. This project is currently proposed as a New Advanced Project Development Element (APDE) Project in the amount of \$3,000,000 in FY 18-19 for the PA&ED Phase in the Draft 2018 ITIP.

State Route 99 – Avenue 7 to Avenue 12 – Widen to 6 Lanes



Widening of this section of SR 99 is needed to improve safety, reduce congestion, increase connectivity of the highway system, and preserve acceptable facility operation. The purpose of this project would be to increase capacity to reduce congestion, increase connectivity of the highway system, and preserve acceptable facility operation of Route 99. The proposed 6-lane freeway would accommodate the traffic demand at or above LOS D by 2025. \$3,000,000 in new IIP funding is proposed to be programmed for this project in the Draft 2018 ITIP. The PPR is located in the RTIP Appendix, Section 15.

Section 9. Projects Planned Within the Corridor (Required per Section 20e)

The following projects previously programmed in the 2014 and 2016 RTIP will have an impact within the corridor.

State Route 99 – Avenue 12 to Avenue 17 Widen to 6 Lanes

Widening of this section of SR 99 within the city limits of the City of Madera is needed to improve safety, reduce congestion, increase connectivity of the highway system, and preserve acceptable

MCTC 2018 Regional Transportation Improvement Program - Page 7

facility operation. The proposed 6-lane freeway would accommodate the traffic demand at or above LOS 'D' by 2025.

State Route 99 – Avenue 7 to Avenue 12 Widen to 6 Lanes (restored project)

Widening of this section of SR 99 is needed to improve safety, reduce congestion and increase connectivity of the highway system, and preserve acceptable facility operation of Route 99. The proposed 6-lane freeway would accommodate the traffic demand at or above LOS 'D' by 2025.

C. Relationship of RTIP to RTP/SCS/APS and Benefits of RTIP

Section 10. Regional Level Performance Evaluation (per Section 19A of the guidelines)

The 2018 RTIP furthers the goals of MCTC's adopted 2014 RTP and Sustainable Communities Strategy. These goals include:

- To promote Intermodal Transportation Systems that are Fully Accessible, Encourage Quality Growth and Development, Support the Region's Environmental Resource Management Strategies, and are Responsive to the Needs of Current and Future Travelers.
- To Promote and Develop Transportation Systems that Stimulate, Support, and Enhance the Movement of People and Goods to Foster Economic Competitiveness of the Madera Region.
- To Enhance Transportation System Coordination, Efficiency, and Intermodal Connectivity to Keep People and Goods Moving and Meet Regional Transportation Goals.
- To Maintain the Efficiency, Safety, and Security of the Region's Transportation System.
- To Improve the Quality of the Natural and Human Built Environment through Regional Cooperation of Transportation Systems Planning Activities.
- To Maximize Funding to Maintain and Improve the Transportation Network.
- To Identify Reliable Transportation Choices that Support a Diverse Population.
- To protect the environment and health of our residents by improving air quality and encouraging active transportation (non-motorized transportation, such as bicycling and walking).

A. Regional Level Performance Indicators and Measures (per Appendix B of the STIP Guidelines).

Table B1									
Evaluation – Regional Level Performance Indicators and Measures									
MCTC 2018 RTIP	2040 RTP	2040 RTP							
	Without RTIP	with RTIP							
Daily Vehicle Miles Traveled Per Capita	19.81	19.79							
Percent of VMT at Less than 35 MPH	19.20	19.00							
Commute Mode Share Drive	96.90	96.90							
Commute Mode Share Transit	0.31	0.31							

Commute Mode Share Walk/Bike	2.79	2.79
Daily Transit Mode Share	0.31	0.31
Important Farm Land (prime, unique and statewide	136	136
importance) Consumed		
CP2 Emissions Reduction Per Capita (compared to 2005	-0.85	-0.84
baseline) (in 1000's)		
Total Lane Miles	1914	1941

As shown in Table B1, by the horizon year of 2040 in the 2014 RTP, the 2018 RTIP assists in the reduction of daily vehicle miles traveled (VMT) and CO2 emissions per capita.

MCTC's 2018 RTIP will assist the Madera region's ability to reach its goals for the expansion of increased mobility, transportation options, facilitation of the movement of goods and residents, and development of key economic centers. The projects contained in this RTIP are consistent with and help implement the region's transportation projects contained in MCTC's 2014 Regional Transportation Plan and Sustainable Communities Strategy. Furthermore, the programming of MCTC's 2018 RTIP is consistent with the policies, procedures, and funding capacity established in the 2018 STIP Guidelines and STIP Fund Estimate. The restoration of SR 99 – Avenue 7-12 highway widening will assist the region's ability improve safety, reduce congestion and increase connectivity of the highway system, and preserve acceptable facility operation of State Route 99.

Section 11. Regional and Statewide Benefits of RTIP

The existing and proposed projects programmed in the RTIP is intended toward advancing the region and state by widening segments of SR 99.

SR 99 is one of the most important north-south highways on the National Highway System and on the National Highway Freight Network. Route 99 is crucial to the economic vitality of the State of California and the Central Valley and is heavily used by international shippers, commuters and recreational travelers. Approximately half of the State's goods movement passes through the Valley with destinations at ports, major urban centers in California, other states, and other countries.

The project is located near the geographic center of both California and the San Joaquin Valley, the breadbasket of the nation and the source of much of the nation's agricultural export income. The projects represent a major lynchpin for goods movement and passenger travel along SR 99 to and through the City of Madera.

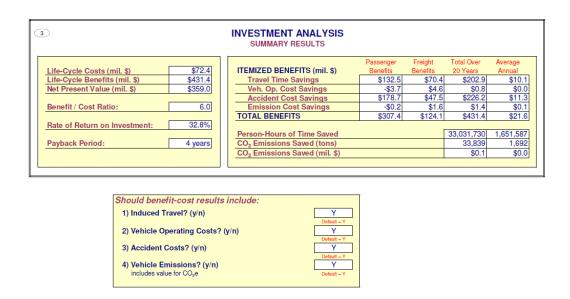
Widening of this section of SR 99 within and adjacent to the City of Madera is needed to improve safety, reduce congestion, increase connectivity for goods movement and general traffic on the national highway system, and to preserve acceptable facility operation.

D. Performance and Effectiveness of RTIP

Section 12. Evaluation of Cost Effectiveness of RTIP (Required per Section 19)

Caltrans Generated Benefit/Cost Estimate

SR 99 Avenue 7-12 Widen to 6 Lanes



SR 99 Avenue 12-17 Widen to 6 Lanes

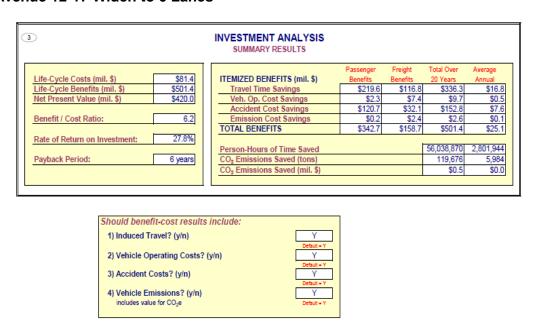


	Table B2								
	Cost-Effective Indicators and Measures								
	MCTC 2018 RTIP	2040 RTP	2040 RTP						
		Without RTIP	with RTIP						
	Daily Vehicle Miles Traveled Per Capita	19.81	19.79						
Congestion	Percent of VMT at Less than 35 MPH	19.20	19.00						
Reduction	Commute Mode Share Drive	96.90	96.90						
	Commute Mode Share Transit	0.31	0.31						
	Commute Mode Share Walk/Bike	2.79	2.79						
	Daily Transit Mode Share	0.31	0.31						
	Important Farm Land (prime, unique and	136	136						
Environmental	statewide importance) Consumed								
Sustainability	CP2 Emissions Reduction Per Capita	-0.85	-0.84						
	(compared to 2005 baseline) (in 1000's)								
	Total Lane Miles	1914	1941						

Section 13. Project Specific Evaluation (Required per Section 19D)

Each RTIP shall include a project specific benefit evaluation for each new project proposed that estimates its benefits to the regional system from changes to the built environment, including, but limited to the items listed on page 10 of the STIP Guidelines. A project level evaluation shall be submitted for projects for which construction is proposed if:

- The total amount of existing and proposed STIP for right-of-way and/or construction of the project is \$15 million or greater, or
- The total project cost is \$50 million or greater.

The project level benefit evaluation shall include a Caltrans generated benefit/cost estimate, including life cycle costs for projects proposed in the ITIP. For the RTIP, the regions may choose between the Caltrans estimate and their own estimate (explain why the Caltrans estimate was not used). The project level benefit evaluation must explain how the project is consistent with Executive Order B-30-15 (Climate Change).

State Route 99 Existing and Forecasted Traffic Within the Project Limits

Year	Segment	Level of Service (Peak Hour)		Number of V Ho	% Trucks		
		AM	PM	AM	PM	Peak Hour	ADT
2010 Existing	Northbound	В-С	В-С	1,820-2,310	2,030-2,610		
Facility	Southbound	В-С	C-D	1,670-2,650	2,320-2,890	12%	24%
2020 Project	Northbound	В-С	В-С	2,610-3,485	2,840-3,840	1270	2.70
Alternative	Southbound	В-С	В-С	2,465-3,930	3,000-4,090		
2040 Project	Northbound	С-Е	D-F	3,935-5,830	4,460-6,300		
Alternative	Southbound	C-F	D-F	4,050-6,005	4,350-6,480		

Collision Rates

Freeway Segment		Actual	Actual		Average		
, ,	Fatal	F+I	Total	Fatal	F+I	Total	
Route 99 – Northbound	0.004	0.19	0.48	0.006	0.21	0.63	
Route 99 – Southbound	0.000	0.23	0.67	0.006	0.21	0.63	

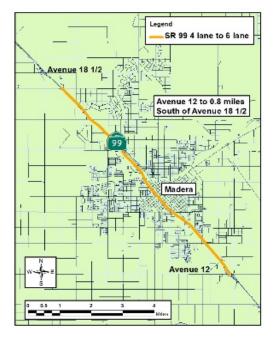
The evaluation (PPR) is located in the RTIP Appendix, Section 15.

E. <u>Detailed Project Information</u>

Section 14. Overview of Projects Programmed with RIP Funding

There is currently one STIP project in the Madera region that has programmed RIP funding.

State Route 99 – Avenue 12 to Avenue 17 Widen to 6 Lanes



Widening of this section of SR 99 within the city limits of the City of Madera is needed to improve safety, reduce congestion, increase connectivity of the highway system, and preserve acceptable facility operation. The purpose of this project would be to increase capacity to reduce congestion, increase connectivity of the highway system, and preserve acceptable facility operation of Route 99. The proposed 6-lane freeway would accommodate the traffic demand at or above LOS D by 2025. \$1,545,000 of RIP funding is programmed for this project. The PPR is located in the RTIP Appendix, Section 15.

F. Appendices

Section 15. Projects Programming Request Forms

Section 16. Board Resolution or Documentation of 2018 RTIP Approval

Section 17. Documentation on Coordination with Caltrans District (Optional)

Section 18. Detailed Project Programming Summary Table (Optional)

Section 19. Alternative Delivery Methods (Optional)

Section 20. Caltrans B/C Calculations

APPENDICES SECTION 15 PROJECTS PROGRAMMING REQUEST FORMS

STATE ROUTE 99 – AVENUE 12 TO AVENUE 17 WIDEN TO 6 LANES PPR

DTP-0001 (Revised July 2017) General Instructions

Amendment (Exi	sting l	ProjecT)	Yes					Date:	09/06/17	
District EA				Project ID PPNO MPO II			MPO ID		Alt Proj. ID	
06		47090		0600000	973	5335				
County	Re	oute/Corrid	lor	PM Bk	PM Ahd	d Project Sponsor/Lead Agency				
MAD		99		R7.5	15.1	Caltrans				
						MPO		Element		
						Mad	dera	CO		
Project Manager/Contact			Pho	one		E-mail Ac	dress			
Anand Kapoor			(559)24	13-3588	anand.kapoor@dot.ca.gov					

Project Title

Madera 99 Widening

Location (Project Limits), Description (Scope of Work)

In Madera County in and near Madera from Avenue 12 Overcrossing to 1.2 miles south of Avenue 18 1/2 Overcrossing. Widen from 4 to 6 lanes.

Component			Implemer	nting Agency	
PA&ED	Caltrans				
PS&E	Caltrans				
Right of Way	Caltrans				
Construction	Caltrans				
Legislative Distri	cts				
Assembly:	29	Senate:	12	Congressional:	19
Project Benefits					

The improvement would reduce traffic congestion and improve traffic safety.

Purpose and Need

Currently this section of SR 99 is operating at a level of service (LOS) "D". This section of SR 99 has had an increase in development resulting in deteriorating the traffic operation. With further traffic growth due to this onoing development along this corridor it is anticipated that the freeway will operate at capacity of LOS "E" between the years 2017 and 2022. The 4-lane freeway will continue to fail beyond the year 2022. The purpose of this project is to increase the capacity of the facility. □

Category	Outputs/Ou	tcomes		Unit	Total
State Highway Road Construction	Mixed Flow lane-miles constructed	b		Miles	11.2
State Highway Road Construction	Sound wall miles constructed			SY	2515
ADA Improvements No	Bike/Ped Improvements No		Reversib	le Lane ana	<mark>lysis</mark> No
Includes Sustainable Communities Strategy Goa	als Y/N	Reduces Greenho	ouse Gas	Emissions	Y/N
Project Milestone			E	xisting	Proposed
Project Study Report Approved			11/28	3/11	
Begin Environmental (PA&ED) Phase			01/07	7/2013	01/07/13
Circulate Draft Environmental Document	Document Type	ND/FONSI	05/14	4/2015	05/14/15
Draft Project Report			05/14	4/2015	05/14/15
End Environmental Phase (PA&ED Milestone	9)		08/14	4/2015	08/14/15
Begin Design (PS&E) Phase			10/0	1/2015	09/01/15
End Design Phase (Ready to List for Advertis	ement Milestone)		12/0	1/2017	03/01/18
Begin Right of Way Phase			10/0	1/2015	09/01/15
End Right of Way Phase (Right of Way Certif	ication Milestone)		11/0	1/2017	12/01/17
Begin Construction Phase (Contract Award M	lilestone)		05/0	1/2018	08/15/18
End Construction Phase (Construction Contra	act Acceptance Milestone)		07/0	1/2020	08/15/20
Begin Closeout Phase			07/0	1/2020	08/15/20
End Closeout Phase (Closeout Report)			07/0	1/2022	0815/24

DTP-0001 (Revised July 2017)	Date: 09/06/17
Additional Information	

DTP-0001 (Revised July 2017) Date: 09/06/17

District	County	Route	EA	Project ID	PPNO	TCRP No.
06	MAD, ,	99	47090	0600000973	5335	
Project Title:	Madera 99 Widening					

		Exis	ting Total F	roject Cos	t (\$1,000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Implementing Agency
E&P (PA&ED)	2,250							2,250	Caltrans
PS&E	1,350		1,545					2,895	Caltrans
R/W SUP (CT)	650								Caltrans
CON SUP (CT)					5,200				Caltrans
R/W	600								Caltrans
CON					53,000			53,000	Caltrans
TOTAL	4,850		1,545		58,200			64,595	
		Prop	osed Total	Project Co	st (\$1,000s)				Notes
E&P (PA&ED)	2,250							2,250	
PS&E	3,650		1,545					5,195	
R/W SUP (CT)	400							400	
CON SUP (CT)		7,500						7,500	
R/W	50							50	
CON		66,000						66,000	
TOTAL	6,350	73,500	1,545					81,395	

Fund No. 1:	Local Fund	s - Local N	leasure (Mi	EA)					Program Code
			Existing F	unding (\$1	,000s)				20.10.400.100
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)	2,250							2,250	Madera County Transportation Con
PS&E	1,350							1,350	
R/W SUP (CT)	650							650	
CON SUP (CT)									
R/W	600							600	
CON									
TOTAL	4,850							4,850	
			Proposed	Funding (\$1	,000s)				Notes
E&P (PA&ED)	2,250							2,250	
PS&E	2,150							2,150	
R/W SUP (CT)	400							400	
CON SUP (CT)									
R/W	50							50	
CON									
TOTAL	4,850							4,850	

Fund No. 2:	RIP - Natio	nal Hwy Sy	stem (NH)						Program Code
			Existing F	unding (\$1,	000s)				20.XX.075.600
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									Madera County Transportation Cor
PS&E			1,545					1,545	
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									1
TOTAL			1,545					1,545	1
			Proposed F	unding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E			1,545					1,545	
R/W SUP (CT)									1
CON SUP (CT)									1
R/W									1
CON									1
TOTAL			1,545					1,545	1

Fund No. 3:	Future Nee	ed - Future F	unds (NO-	FUND)					Program Code
			Existing F	unding (\$1,	000s)				FUTURE
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)					5,200			5,200	
R/W									
CON					53,000			53,000	
TOTAL					58,200			58,200	
			Proposed F	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)		5,500						5,500	
R/W									
CON		53,000						53,000	
TOTAL		58,500						58,500	

Fund No. 4:	SHOPP								Program Code
			Existing F	unding (\$1,	000s)				20.10.201.120
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									Caltrans
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	,000s)				Notes
E&P (PA&ED)									Along the lines of Assest
PS&E	1,500							1,500	Mangmt, team decided to
R/W SUP (CT)									add rehabilitation of all
CON SUP (CT)		2,000						2,000	lanes to this median
R/W									widening project. Working
CON		13,000						13,000	on SHOPP allocation of
TOTAL	1,500	15,000						16,500	shared Rehab cost

Fund No. 5:									Program Code
			Existing F	unding (\$1,	000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 6:									Program Code
			Existing F	unding (\$1,	000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 7:									Program Code
			Existing F	unding (\$1,	000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 8:									Program Code
			Existing F	unding (\$1,	000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 9:									Program Code
			Existing F	unding (\$1	,000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	l,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 10:									Program Code
			Existing F	unding (\$1	,000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 11:									Program Code
			Existing F	unding (\$1,	000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 12:									Program Code
			Existing F	unding (\$1	,000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	, <mark>000s)</mark>				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 13:									Program Code
			Existing F	unding (\$1	,000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 14:									Program Code
			Existing F	unding (\$1,	000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

DTP-0001 (Revised July 2017)

Complete this page for amendments only	Complete this	page for amend	dments only
--	---------------	----------------	-------------

Complete this page for amendments only							
District	County	Route	EA	Project ID	PPNO	TCRP No.	
06	MAD	99	47090	0600000973	5335		

SECTION 1 -	All Proj	ects
-------------	----------	------

Project Background
Froject Background
Programming Change Requested
Showing changes in Local Measure funds for RW and PS&E Showing ilncrease in construction capital and support cost
changes in Local Measure funds for IXW and Four Country inforease in construction capital and support cost
Reason for Proposed Change
Along the lines of Assest Management, team decided to add rehabilitation of all lanes to this median widening project.
Rehabilitation cost to be shared by SHOPP
The final manual cost to be different by the first
If proposed change will delay one or more components, clearly explain 1) reason the delay, 2) cost increase related
to the delay, and 3) how cost increase will be funded
Other Significant Information

SECTION 2 - For TCRP Projects Only

Alternative Project Request (Please follow Instructions at http://www.dot.ca.gov/tcrp/LETTERguidelines) Letter of No Prejudice (LONP) (Please follow Guidelines at http://www.dot.ca.gov/tcrp/docs/042706.pdf)

SECTION 3 - All Projects Approvals

I hereby certify that the above information is complete and accurate and all approvals have been obtained for the processing of this amendment request.*

Name (Print or Type)	Signature	Title	Date

Attachments

- 1) Concurrence from Implementing Agency and/or Regional Transportation Planning Agency
- 2) Project Location Map

STATE ROUTE 99 – AVENUE 7 TO AVENUE 12 WIDEN TO 6 LANES PPR

DTP-0001 (Revi	rised July 2017)					General Instructions	;	
Amendment (Ex	kisting ProjecT)	Yes				Date: 09/06/17		
District	EA	Projec	et ID	PPNO	MPO ID	Alt Proj. ID		
06	0H220	0612000	0158	6297				
County	Route/Corrid	dor PM Bk	PM Ahd		Project Sponsor/Le	ad Agency		
MAD	99	1.7	R7.5		Caltrans			
				IV	ЛРО	Element		
	<u></u>			Ma	adera	CO		
Project N	Manager/Contact	P	hone		E-mail Addre	iress		
Ana	and Kapoor	(559)?	243-3588		anand.kapoor@do	ot.ca.gov		
Project Title								
South Madera 6	Lane							
Location (Proje	ect Limits), Descr	ription (Scope	of Work)					
Near the city of	Madera, from 0.7 i	mile north of Av	enue 7 to Ave	enue 12. Widen	from 4 to 6 lanes.			
1	,							
1								
1								
1								
1								
1								

Component			Implemen	ting Agency	
PA&ED	Caltrans				
PS&E	Caltrans				
Right of Way	Caltrans				
Construction	Caltrans				
Legislative Distric	ets				
Assembly:	5	Senate:	12	Congressional:	16
Project Benefits					

The improvement would reduce traffic congestion and improve traffic safety.

Purpose and Need

Widening of this section of SR 99 is needed to improve safety, reduce congestion, increase connectivity of the highway system, and preserve acceptable facility operation. The pupose of this project would be to increase capacity to reduce congestion, increase connectivity of the highway system, and preserve acceptable facility operation of Route 99.

Category	Outputs/Out	comes		Unit	Total
State Highway Road Construction	Mixed Flow lane-miles constructed			Miles	11.6
ADA Improvements No	Bike/Ped Improvements No		Reversib	le Lane ana	lysis No
Includes Sustainable Communities Strategy Go	als No	Reduces Greenh	ouse Gas	Emissions	Yes
Project Milestone			E	Existing	Proposed
Project Study Report Approved			03/1	1/08	
Begin Environmental (PA&ED) Phase			07/0	1/2015	10/01/18
Circulate Draft Environmental Document	Document Type	ND/FONSI	07/0	1/2017	10/01/20
Draft Project Report			07/0	1/2017	10/01/20
End Environmental Phase (PA&ED Milestone	9)		01/0	3/2018	01/03/21
Begin Design (PS&E) Phase			01/0	3/2018	10/01/21
End Design Phase (Ready to List for Advertis	sement Milestone)		01/0	1/2020	10/01/23
Begin Right of Way Phase			01/0	3/2018	10/01/21
End Right of Way Phase (Right of Way Certif	ication Milestone)		07/0	1/2019	09/01/23
Begin Construction Phase (Contract Award M	filestone)		01/0	3/2021	05/01/24
End Construction Phase (Construction Contra	act Acceptance Milestone)		02/0	1/2024	07/01/26
Begin Closeout Phase			02/0	1/2024	07/01/26
End Closeout Phase (Closeout Report)			07/0	1/2026	07/01/29

DTP-0001 (Revised July 2017)	Date: 09/06/17
Additional Information	

DTP-0001 (Revised July 2017) Date: 09/06/17

District	County	Route	EA	Project ID	PPNO	TCRP No.
06	MAD	99, ,	0H220	0612000158	6297	
Project Title:	South Madera 6 Lane					

	Existing Total Project Cost (\$1,000s)											
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Implementing Agency			
E&P (PA&ED)	413							413	Caltrans			
PS&E					5,000			5,000	Caltrans			
R/W SUP (CT)									Caltrans			
CON SUP (CT)					7,000			7,000	Caltrans			
R/W									Caltrans			
CON					60,000			60,000	Caltrans			
TOTAL	413				72,000			72,413				
		Prop	osed Total	Project Cos	st (\$1,000s)				Notes			
E&P (PA&ED)	413	3,000							Showing PSR escalted numbers. If			
PS&E					9,000			9,000	median widening is the preferred			
R/W SUP (CT)							4,000	4,000	alternative in PA&ED, then all support and capital costs will be			
CON SUP (CT)							12,500	12,500	significantly less			
R/W							12,000	12,000	,			
CON							147,000	147,000				
TOTAL	413	3,000			9,000		175,500	187,913				

Fund No. 1:	IIP - Nationa	al Hwy Sys	tem (NH)						Program Code			
	Existing Funding (\$1,000s)											
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency			
E&P (PA&ED)	413							413	Caltrans			
PS&E												
R/W SUP (CT)												
CON SUP (CT)												
R/W												
CON												
TOTAL	413							413				
			Proposed	Funding (\$1	,000s)				Notes			
E&P (PA&ED)	413	3,000						3,413				
PS&E					9,000			9,000				
R/W SUP (CT)												
CON SUP (CT)												
R/W												
CON												
TOTAL	413	3,000			9,000			12,413				

Fund No. 2:	Future Nee	Program Code										
	Existing Funding (\$1,000s)											
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency			
E&P (PA&ED)												
PS&E					5,000			5,000				
R/W SUP (CT)												
CON SUP (CT)					7,000			7,000				
R/W												
CON					60,000			60,000				
TOTAL					72,000			72,000				
			Proposed	Funding (\$1	,000s)				Notes			
E&P (PA&ED)									Showing PSR escalted			
PS&E									numbers. If median			
R/W SUP (CT)							4,000	4,000	widening is the preferred			
CON SUP (CT)							12,500	12,500	alternative in PA&ED, then			
R/W							12,000	12,000	PS&E, RW and			
CON							147,000	147,000	Construction costs will be			
TOTAL							175,500	175,500	significantly less			

Fund No. 3:									Program Code		
	Existing Funding (\$1,000s)										
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency		
E&P (PA&ED)											
PS&E											
R/W SUP (CT)											
CON SUP (CT)											
R/W											
CON											
TOTAL											
			Proposed I	Funding (\$1	,000s)				Notes		
E&P (PA&ED)											
PS&E											
R/W SUP (CT)											
CON SUP (CT)											
R/W											
CON											
TOTAL											

Fund No. 4:									Program Code
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 5:									Program Code
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 6:									Program Code
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 7:									Program Code
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 8:									Program Code
			Existing F	unding (\$1,	000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 9:									Program Code
			Existing F	unding (\$1	,000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	l,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 10:									Program Code
			Existing F	unding (\$1	,000s)				
Component	Prior 18/19 19/20 20/21 21/22 22/23 23/24+ Tota							Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 11:									Program Code
			Existing F	unding (\$1,	000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 12:									Program Code
			Existing F	unding (\$1	,000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	, <mark>000s)</mark>				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 13:									Program Code
			Existing F	unding (\$1	,000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

Fund No. 14:									Program Code
			Existing F	unding (\$1,	000s)				
Component	Prior	18/19	19/20	20/21	21/22	22/23	23/24+	Total	Funding Agency
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									
			Proposed I	Funding (\$1	,000s)				Notes
E&P (PA&ED)									
PS&E									
R/W SUP (CT)									
CON SUP (CT)									
R/W									
CON									
TOTAL									

DTP-0001 (Revised July 2017)

District	County	Route	EA	Project ID	PPNO	TCRP No.
06	MAD	99	0H220	0612000158	6297	

Date: 09/06/17

SECTION 1	- All	Projects
-----------	-------	-----------------

ocorion i - Air rojects
Project Background
Programming Change Requested
Reason for Proposed Change
If proposed change will delay one or more components, clearly explain 1) reason the delay, 2) cost increase related
in proposed change will delay one of more components, clearly explain 1) reason the delay, 2) cost increase related
to the delay, and 3) how cost increase will be funded
Other Significant Information

SECTION 2 - For TCRP Projects Only

Alternative Project Request (Please follow Instructions at http://www.dot.ca.gov/tcrp/LETTERguidelines) Letter of No Prejudice (LONP) (Please follow Guidelines at http://www.dot.ca.gov/tcrp/docs/042706.pdf)

SECTION 3 - All Projects Approvals I hereby certify that the above information is complete and accurate and all approvals have been obtained for the processing of this amendment request.* Name (Print or Type) Signature Title Date

Attachments

- 1) Concurrence from Implementing Agency and/or Regional Transportation Planning Agency
- 2) Project Location Map

APPENDICES

SECTION 16

BOARD RESOLUTION OR BOARD DOCUMENTATION OF APPROVAL OF THE 2018 RTIP

1 2 3 4 5	
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	
19 20	

BEFORE

THE COMMISSIONERS OF THE MADERA COUNTY TRANSPORTATION COMMISSION COUNTY OF MADERA, STATE OF CALIFORNIA

In the matter of)	Resolution No. 17-10
)	
THE 2018 MADERA COUNTY REGIONAL)	
TRANSPORTATION IMPROVEMENT)	
PROGRAM	_)	

WHEREAS, the Madera County Transportation Commission (MCTC) is the Regional Transportation Planning Agency for Madera County pursuant to state law; and

WHEREAS, pursuant to State law, every two years the MCTC is required to develop and submit to the California Transportation Commission (CTC) a Regional Transportation Improvement Plan (RTIP) that identifies projects to be included in the State Transportation Improvement Program (STIP); and

WHEREAS, MCTC prepared the 2018 RTIP in compliance with the CTC adopted 2018 Guidelines and STIP Fund estimate; and

WHEREAS, the projects contained in the 2018 RTIP are consistent with the MCTC's adopted 2014 Regional Transportation Plan (RTP), 2017 Federal Transportation Improvement Program (FTIP); and

WHEREAS, pursuant to adopted CTC, STIP Guidelines, the MCTC is authorized to develop and submit the Regional Transportation Improvement Program by December 15, 2017; and

WHEREAS, the 2018 Madera County Regional Transportation Improvement Program has been prepared by the Madera County Transportation Commission in cooperation with its member agencies and Caltrans in accordance with CTC programming policies and guidelines; and

WHEREAS, the Madera County Transportation Commission Policy Board considered the 2018 RTIP at its November 22, 2017 meeting; and

NOW, THEREFORE, BE IT RESOLVED, the Madera County Transportation Commission does hereby adopt the 2018 Madera County Regional Transportation Improvement Program and directs staff to submit the program to the Department of Transportation and CTC by December 15, 2017.

BE IT FURTHER RESOLVED, that the Madera County Transportation Commission Policy Board authorizes the MCTC Executive Director to negotiate with the CTC and Caltrans and to submit any additional amendments or revisions to the 2018 RTIP.

This Resolution is adopted this 22nd day of November, 2017, by the following vote:

Commissioner Frazier Voted	Yes
Commissioner Rodriguez Voted	Yes
Commissioner Wheeler Voted	Yes
Commissioner Ahmed Voted	Yes
Commissioner Oliver Voted	Yes
Commissioner Medellin Voted	Yes

Chairman, Madera County Transportation Commission

Executive Director, Madera County Transportation Commission

APPENDICES

SECTION 17

DOCUMENTATION OF COORDNATION WITH CALTRANS DISTRICT

Not Applicable for the 2018 RTIP

APPENDICES SECTION 18 DETAILED PROJECT PROGRAMMING SUMMARY TABLE

	Madera 2018 RTIP													
				Project Totals by Fiscal Year (\$1,000)				Projec	ct Totals by Co	omponent (\$	1,000)			
County	Agency	Project	Total	18/19	19/20	20/21	21/22	22/23	R/W	Const	E&P	PS&E	R/W Supp	Con Supp
Madera	Caltrans	SR 99 - Ave 12 to Ave 17 Widen to 6 Lanes	\$1,545		\$1,545							\$1,545		
	Caltrans	SR 99 - Ave 7 to Ave 12 Widen to 6 Lanes	\$3,000	\$3,000							\$3,000			
	мстс	Planning, Programming and Monitoring	\$277			\$93	\$92	\$92		\$277				
		Total	\$4,822	\$0	\$1,545	\$93	\$92	\$92	\$0	\$277	\$3,000	\$1,545	\$0	\$0

APPENDICES SECTION 19 ALTERNATIVE DELIVERY METHODS

Not Applicable for the 2018 RTIP

APPENDICES SECTION 20 CALTRANS B/C CALCULATIONS

STATE ROUTE 99 – AVENUE 7 TO AVENUE 12 WIDEN TO 6 LANES Caltrans B/C Calculations

District: D6-Technical Planning

PROJECT: MAD-99-1.7-R7.5 PPNO: 612000158

3	
Life-Cycle Costs (mil. \$)	\$72.4
Life-Cycle Benefits (mil. \$)	\$431.4
Net Present Value (mil. \$)	\$359.0
Benefit / Cost Ratio:	6.0
Rate of Return on Investment:	32.8%
Payback Period:	4 years

INVESTMENT ANALYSIS SUMMARY RESULTS Passenger Freight Total Over Renefits Renefits 20 Years

I I EMIZED BENEFITS (MII. \$)	Benefits	Benefits	20 Years	Annuai
Travel Time Savings	\$132.5	\$70.4	\$202.9	\$10.1
Veh. Op. Cost Savings	-\$3.7	\$4.6	\$0.8	\$0.0
Accident Cost Savings	\$178.7	\$47.5	\$226.2	\$11.3
Emission Cost Savings	-\$0.2	\$1.6	\$1.4	\$0.1
TOTAL BENEFITS	\$307.4	\$124.1	\$431.4	\$21.6
Person-Hours of Time Saved			33,031,730	1,651,587
CO ₂ Emissions Saved (tons)			33,839	1,692
CO ₂ Emissions Saved (mil. \$)			\$0.1	\$0.0
-				

0H220

Average

EA:



District: D6-Technical Planning

PROJECT: MAD-99-1.7-R7.5 EA: 0H220 PPNO: 612000158

1A PRO	OJECT DATA
Type of Project	
Select project type from list	Passing Lane
Project Location (enter 1 for So. Cal., 2	2 for No. Cal., or 3 for rural)
Length of Construction Period	1 years
One- or Two-Way Data	2 enter 1 or 2
	Current
Length of Peak Period(s) (up to 2	24 hrs) 5 hours

Highway Design		No Build	Build
Roadway Type (Fv	vy, Exp, Conv Hwy)	F	F
Number of Genera	al Traffic Lanes	4	6
Number of HOV/H	OT Lanes		
HOV Restriction (2			
Exclusive ROW fo	r Buses (y/n)	N	
Highway Free-Flow	v Speed	65	65
Ramp Design Spe	ed (if aux. lane/off-ramp proj.)	35	35
Length (in miles)	Highway Segment	5.8	5.8
	Impacted Length	8.8	8.8
·			
Average Daily Traffic			
	Current 2015	71,000	
		No Build	Build
	Base (Year 1)	73,700	73,700
	Forecast (Year 20)	125,000	125,000
Average Hourly HOV/H			0
	d Trips in HOV (if HOT or 2-to-3	conv.)	100%
Percent Traffic in Wea			0.0%
Percent Trucks (include	RVs, if applicable)	21%	21%
Truck Speed			
On-Ramp Volume		Peak	Non-Peak
	me (if aux. lane/on-ramp proj.)	0	0
Metering Strategy	(1, 2, 3, or D, if on-ramp proj.)		
Queue Formation (if que	euing or grade crossing project)	Year 1	Year 20
	hicles per hour)	0	0
		0	0
	vehicles per hour)		٥
Departure Rate (in	vehicles per hour)	U	
		No Build	Build
Departure Rate (in	f pavement project)		Build
Departure Rate (in Pavement Condition (in	f pavement project)		Build
Departure Rate (in Pavement Condition (in IRI (inches/mile)	f pavement project) Base (Year 1) Forecast (Year 20)	No Build	
Departure Rate (in Pavement Condition (in IRI (inches/mile) Average Vehicle Occu	f pavement project) Base (Year 1) Forecast (Year 20) pancy (AVO)	No Build No Build	Build
Departure Rate (in Pavement Condition (in IRI (inches/mile) Average Vehicle Occul General Traffic	f pavement project) Base (Year 1) Forecast (Year 20)	No Build	

1C HIGHWAY ACCIDENT DATA								
Actual 3-Year Accident Data (from Table B)								
	Count (No.)	Rate						
Total Accidents (Tot)	214	0.47						
Fatal Accidents (Fat)	3	0.007						
Injury Accidents (Inj)	77	0.17						
Property Damage Only (PDO) Accidents	134	0.30						
Statewide Basic Average Accident Rate								
	No Build	Build						
Rate Group	H63	H64						
Accident Rate (per million vehicle-miles)	0.92	0.63						
Percent Fatal Accidents (Pct Fat)	0.6%	0.5%						
Percent Injury Accidents (Pct Inj)	31.9%	30.4%						
	3070	33.170						

nnual Person-Ti	rips		No Build	Build
	Base (Year 1)			
ercent Trips dur	40%			
rcent New Trip		100%		
nnual Vehicle-M	III		No Build	Build
ınuai venicie-ivi			INO Bulla	Bulla
	Base (Year 1)	00)		
una na Mahiala a	Forecast (Year			
rerage venicies	/ Train (if rail proje	CI)		
	nsit Accidents on (if safety projec	et)		
	on (if safety project Fravel Time	,	No Build	Build
Percent Reducti	on (if safety project Fravel Time Non-Peak (in m	inutes)	No Build	Build 0.0
Percent Reducti verage Transit 1 In-Vehicle	on (if safety project Fravel Time Non-Peak (in m Peak (in minute	inutes) s)		0.0
Percent Reduction Verage Transit 1	ravel Time Non-Peak (in m Peak (in minute Non-Peak (in m	inutes) s) inutes)	0.0	0.0 0.0 0.0
Percent Reducti verage Transit 1 In-Vehicle	on (if safety project Fravel Time Non-Peak (in m Peak (in minute	inutes) s) inutes)		0.0
Percent Reductiverage Transit 1 In-Vehicle Out-of-Vehicle	on (if safety project Fravel Time Non-Peak (in m Peak (in minute Non-Peak (in m Peak (in minute	inutes) s) inutes)	0.0	0.0 0.0 0.0 0.0
Percent Reducti verage Transit 1 In-Vehicle	Travel Time Non-Peak (in m Peak (in minute Non-Peak (in minute Non-Peak (in minute	inutes) s) inutes) s)	0.0	0.0 0.0 0.0 0.0
Percent Reductiverage Transit 1 In-Vehicle Out-of-Vehicle Ghway Grade C Annual Number	Travel Time Non-Peak (in m Peak (in minute Non-Peak (in minute Non-Peak (in minute rossing of Trains	inutes) s) inutes) s)	0.0 0.0 Year 1	0.0 0.0 0.0 0.0
Percent Reductiverage Transit 1 In-Vehicle Out-of-Vehicle Ghway Grade C	Travel Time Non-Peak (in m Peak (in minute Non-Peak (in minute Non-Peak (in minute rossing of Trains	inutes) s) inutes) s)	0.0 0.0 Year 1	0.0 0.0 0.0 0.0
Percent Reductiverage Transit 1 In-Vehicle Out-of-Vehicle Out-of-Vehicle Annual Number Avg. Gate Down	on (if safety project Fravel Time Non-Peak (in m Peak (in minute Non-Peak (in m Peak (in minute Frossing of Trains Time (in min.)	inutes) s) inutes) s) Current	0.0 0.0 Year 1	0.0 0.0 0.0 0.0
Percent Reductiverage Transit 1 In-Vehicle Out-of-Vehicle Ghway Grade C Annual Number Avg. Gate Down	on (if safety project Fravel Time Non-Peak (in m Peak (in minute Non-Peak (in m Peak (in minute Frossing of Trains Time (in min.)	inutes) s) inutes) s) Current	0.0 0.0 Vear 1 0 0.0	0.0 0.0 0.0 0.0 0.0 Year 2t

Model should be run for both roads for intersection or bypass highway projects, and may be run twice for connectors. Press button below to prepare model to enter data for second road. After data are entered, results reflect total project benefits.

Prepare Model for Second Road

(1E)			PROJECT (COSTS (ent	er costs in t	thousands	of dollars)		
Col. no.	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
			PROJECT CO				Transit		
		INITIAL COSTS			NT COSTS		Agency	TOTAL COST	
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Constructi									
1	\$5,413	\$67,000						\$72,413,000	\$72,413,000
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8 Drainet On								0	0
Project Op	en							40	Φ0.
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6 7								0	0
								0	0
8									0
10								0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16								0	0
17								0	0
18								0	0
19								0	0
20								0	0
Total	\$5,413	\$67,000	\$0	\$0	\$0	\$0	\$0	\$72,413,000	\$72,413,000
. Otal	ψο, 110	\$07,000	Ψ0	Ψ0	Ψ0	Ψ.	Ψ0	Ţ. <u>_</u> , 110,000	Ţ. <u>_</u> , 110,000

Present Value = <u>Future Value (in Constant Dollars)</u>
(1 + Real Discount Rate) ^ Year

STATE ROUTE 99 – AVENUE 12 TO AVENUE 17 WIDEN TO 6 LANES Caltrans B/C Calculations

District: D6-Planning

PROJECT: Tiger B/C Mad 99-Pm7.5-15.1

EA: PPNO: 47090 6000000973



Net Present Value (mil. \$) \$420.0

Benefit / Cost Ratio: 6.2

Rate of Return on Investment:

27.8%

\$81.4

\$501.4

Payback Period:

6 years

INVESTMENT ANALYSIS

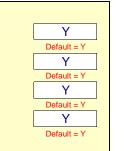
SUMMARY RESULTS

	Passenger	Freight	Total Over	Average
ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Travel Time Savings	\$219.6	\$116.8	\$336.3	\$16.8
Veh. Op. Cost Savings	\$2.3	\$7.4	\$9.7	\$0.5
Accident Cost Savings	\$120.7	\$32.1	\$152.8	\$7.6
Emission Cost Savings	\$0.2	\$2.4	\$2.6	\$0.1
TOTAL BENEFITS	\$342.7	\$158.7	\$501.4	\$25.1
		_		
Person-Hours of Time Saved			56,038,870	2,801,944
CO ₂ Emissions Saved (tons)			119,676	5,984
CO ₂ Emissions Saved (mil. \$)			\$0.5	\$0.0

Should benefit-cost results include:

- 1) Induced Travel? (y/n)
- 2) Vehicle Operating Costs? (y/n)
- 3) Accident Costs? (y/n)
- 4) Vehicle Emissions? (y/n)

includes value for CO₂e



District: D6-Planning

PROJECT: Tiger B/C Mad 99-Pm7.5-15.1

EA: PPNO: 47090 6000000973

1A PROJECT DATA						
Type of Project						
Select project type from list	Passing Lane					
Project Location (enter 1 for So. Cal., 2 for No. C	Cal., or 3 for rural)					
Length of Construction Period	1 years					
One- or Two-Way Data	2 enter 1 or 2					
Length of Peak Period(s) (up to 24 hrs)	Current 5 hours					

Highway Design		No Build	Build
Roadway Type (F	F	F	
Number of Gener	4	6	
Number of HOV/H			
HOV Restriction (2 or 3)		
Exclusive ROW for	or Buses (y/n)	N	
Highway Free-Flo	w Speed	65	65
Ramp Design Spe	eed (if aux. lane/off-ramp proj.)	35	35
Length (in miles)	Highway Segment	7.6	7.6
- '	Impacted Length	10.6	10.6
Average Daily Traffic	0	74.000	l
	Current 2015	74,000	D 11:
	D ()/ ()	No Build	Build
	Base (Year 1)	76,819	76,819
A.,	Forecast (Year 20)	130,380	130,380
Average Hourly HOV/	HOT Lane Traffic ed Trips in HOV (if HOT or 2-to-3	conv)	100%
Percent Traffic in Wea		conv.)	0.0%
Percent Trucks (include		21%	21%
	e RVs, if applicable)	21/0	2170
Truck Speed	e RVs, if applicable)	2170	2170
	e RVs, if applicable)	Peak	
Truck Speed On-Ramp Volume	ame (if aux. lane/on-ramp proj.)		
Truck Speed On-Ramp Volume Hourly Ramp Volu		Peak	Non-Peak
On-Ramp Volume Hourly Ramp Volume Metering Strategy	ume (if aux. lane/on-ramp proj.)	Peak 0	Non-Peak 0
On-Ramp Volume Hourly Ramp Volume Metering Strategy Queue Formation (if queue Formation)	ume (if aux. lane/on-ramp proj.) v (1, 2, 3, or D, if on-ramp proj.) ueuing or grade crossing project)	Peak 0	Non-Peak 0 Year 20
On-Ramp Volume Hourly Ramp Volume Metering Strategy Queue Formation (if queue Formation (if queue Formation)	ume (if aux. lane/on-ramp proj.) v (1, 2, 3, or D, if on-ramp proj.) ueuing or grade crossing project) chicles per hour)	Peak 0 Year 1	Non-Peak 0 Year 20
On-Ramp Volume Hourly Ramp Volume Metering Strategy Queue Formation (if queue Formation (if queue Formation)	ume (if aux. lane/on-ramp proj.) v (1, 2, 3, or D, if on-ramp proj.) ueuing or grade crossing project)	Peak 0	Non-Peak 0 Year 20
On-Ramp Volume Hourly Ramp Volume Metering Strategy Queue Formation (if queue Formation (if queue Formation)	ume (if aux. lane/on-ramp proj.) v (1, 2, 3, or D, if on-ramp proj.) ueuing or grade crossing project) chicles per hour) n vehicles per hour)	Peak 0 Year 1	Non-Peak 0 Year 20
On-Ramp Volume Hourly Ramp Volume Hourly Ramp Volume Metering Strategy Queue Formation (if queue Formation Rate (in veue Departure Rate (in veue Depa	ume (if aux. lane/on-ramp proj.) y (1, 2, 3, or D, if on-ramp proj.) ueuing or grade crossing project) chicles per hour) n vehicles per hour) if pavement project)	Peak 0	Non-Peak 0 Year 20 0
Truck Speed On-Ramp Volume Hourly Ramp Volume Metering Strategy Queue Formation (if quarrival Rate (in venture Rate (in Pavement Condition)	ume (if aux. lane/on-ramp proj.) y (1, 2, 3, or D, if on-ramp proj.) ueuing or grade crossing project) chicles per hour) n vehicles per hour) if pavement project)	Peak 0	Non-Peak 0 Year 20 0
On-Ramp Volume Hourly Ramp Volume Hourly Ramp Volume Metering Strategy Queue Formation (if queue Arrival Rate (in veed Departure Rate (in Pavement Condition (in IRI (inches/mile))	ume (if aux. lane/on-ramp proj.) (1, 2, 3, or D, if on-ramp proj.) Juleuing or grade crossing project) Schicles per hour) In vehicles per hour) If pavement project) Base (Year 1) Forecast (Year 20)	Peak 0 Year 1 0 No Build	Non-Peak 0 Year 20 0 0
Truck Speed On-Ramp Volume Hourly Ramp Volume Hourly Ramp Volume Metering Strategy Queue Formation (if queue Formation (if queue Formation (if queue Formation (in the properties of the prope	ume (if aux. lane/on-ramp proj.) (1, 2, 3, or D, if on-ramp proj.) ueuing or grade crossing project) chicles per hour) n vehicles per hour) if pavement project) Base (Year 1) Forecast (Year 20)	Peak 0 Year 1 0 0 No Build	Vear 20 0 Build
On-Ramp Volume Hourly Ramp Volume Hourly Ramp Volume Metering Strategy Queue Formation (if queue Arrival Rate (in veed Departure Rate (in Pavement Condition (in IRI (inches/mile))	ume (if aux. lane/on-ramp proj.) y (1, 2, 3, or D, if on-ramp proj.) ueuing or grade crossing project) chicles per hour) n vehicles per hour) if pavement project) Base (Year 1) Forecast (Year 20) upancy (AVO) Non-Peak	Peak 0 Year 1 0 0 No Build No Build 1.30	Vear 20 0 0 Build Build
Truck Speed On-Ramp Volume Hourly Ramp Volume Hourly Ramp Volume Metering Strategy Queue Formation (if que Arrival Rate (in ve Departure Rate (in Pavement Condition (IRI (inches/mile) Average Vehicle Occur General Traffic	ume (if aux. lane/on-ramp proj.) (1, 2, 3, or D, if on-ramp proj.) ueuing or grade crossing project) chicles per hour) n vehicles per hour) if pavement project) Base (Year 1) Forecast (Year 20)	Peak 0 Year 1 0 0 No Build	Vear 20 0 Build

1C HIGHWAY ACCIDENT DATA							
Actual 3-Year Accident Data (from Table B)							
	Count (No.)	Rate					
Total Accidents (Tot)	343	0.56					
Fatal Accidents (Fat)	1	0.002					
Injury Accidents (Inj)	119	0.19					
Property Damage Only (PDO) Accidents	223	0.36					
Statewide Basic Average Accident Rate							
	No Build	Build					
Rate Group	H63	H64					
Accident Rate (per million vehicle-miles)	0.95	0.65					
Percent Fatal Accidents (Pct Fat)	0.6%	0.5%					
Percent Injury Accidents (Pct Inj)	31.9%	30.4%					

nnual Person-T	rips		No Build	Build
	Base (Year 1)			
ercent Trips du	40%			
ercent New Trip	s from Parallel I	lighway		100%
nnual Vehicle-N	filos		No Build	Build
illuai vellicie-iv	Base (Year 1)		NO Build	Bullu
	Forecast (Year	20)		
vorago Vohiclos	5/Train (if rail proje			
rorago romoroc	, man projec	50,		
	nsit Accidents	+)		
Percent Reducti	on (if safety projec	t)	No Dodd	D. ald
Percent Reductiverage Transit	on (if safety project		No Build	Build
Percent Reducti	on (if safety project Travel Time Non-Peak (in m	inutes)	No Build	0.0
Percent Reductiverage Transit	on (if safety project Travel Time Non-Peak (in m Peak (in minute	inutes) s)		0.0
Percent Reductiverage Transit	Iravel Time Non-Peak (in m Peak (in minute Non-Peak (in m	inutes)	0.0	0.0 0.0 0.0
Percent Reductiverage Transit	on (if safety project Travel Time Non-Peak (in m Peak (in minute	inutes)		0.0
Percent Reductiverage Transit In-Vehicle Out-of-Vehicle	Travel Time Non-Peak (in m Peak (in m Non-Peak (in m Peak (in m Peak (in m Peak (in minute	inutes)	0.0	0.0 0.0 0.0 0.0
Percent Reductiverage Transit	Travel Time Non-Peak (in m Peak (in minute Non-Peak (in minute Non-Peak (in minute Peak (in minute	inutes) s) inutes) ss)	0.0	0.0 0.0 0.0 0.0
Percent Reductiverage Transit In-Vehicle Out-of-Vehicle	Travel Time Non-Peak (in m Peak (in minute Non-Peak (in minute Non-Peak (in minute Peak (in minute Prossing of Trains	inutes) s) inutes) ss)	0.0 0.0 Year 1	0.0 0.0 0.0
Percent Reductiverage Transit In-Vehicle Out-of-Vehicle Outhof-Vehicle Outhof-Vehicle Annual Number Avg. Gate Down	Travel Time Non-Peak (in m Peak (in minute Non-Peak (in minute Non-Peak (in minute Teak (in minute Trossing of Trains Time (in min.)	inutes) s) inutes) s) Current	0.0 0.0 Year 1 0	0.0 0.0 0.0 0.0 Year 20
Percent Reductiverage Transit In-Vehicle Out-of-Vehicle Ghway Grade C Annual Number Avg. Gate Down	Travel Time Non-Peak (in m Peak (in minute Non-Peak (in minute Non-Peak (in minute Trossing of Trains Time (in min.)	inutes) s) inutes) s) Current	0.0 0.0 Year 1	0.0 0.0 0.0 0.0

Model should be run for both roads for intersection or bypass highway projects, and may be run twice for connectors. Press button below to prepare model to enter data for second road. After data are entered, results reflect total project benefits.

Prepare Model for Second Road

PROJECT COSTS (enter costs in thousands of dollars)									
Col. no.	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
			F PROJECT CO	STS			Transit		
		INITIAL COSTS			SUBSEQUENT COSTS		Agency	TOTAL COST	
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
	Construction Period								•
1	\$7,445	\$450	\$73,500					\$81,395,000	\$81,395,000
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7 8								0	0
Project Op	ion							0]	0
1	-CII							\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16								0	0
17								0	0
18								0	0
19								0	0
20								0	0
Total	\$7,445	\$450	\$73,500	\$0	\$0	\$0	\$0	\$81,395,000	\$81,395,000

Present Value = <u>Future Value (in Constant Dollars)</u>
(1 + Real Discount Rate) ^ Year