

TRANSPORTATION CONTROL MEASURE SUBSTITUTION

FRE020135 - Lassen Avenue Traffic Signals in the City of Huron

Final Draft Report

March 2021

City of Clovis
City of Coalinga
City of Firebaugh
City of Fowler
City of Fresno
City of Huron
City of Kerman
City of Kingsburg
City of Mendota
City of Orange Cove
City of Parlier
City of Reedley
City of San Joaquin
City of Sanger
City of Selma
County of Fresno

INTRODUCTION

Transportation Control Measures (TCMs) are defined as “any measure that is specifically identified and committed to in the applicable implementation plan, including a substitute or additional TCM that is incorporated into the applicable SIP through the process established in CAA section 176(c)(8), that is either one of the types listed in CAA section 108, or any other measure for the purpose of reducing emissions or concentrations of air pollutants from transportation sources by reducing vehicle use or changing traffic flow or congestion conditions”.

Section 108(f)(1) of the Clean Air Act as amended in 1990 lists the following transportation control measures and technology-based measures:

- (i) *programs for improved public transit;*
- (ii) *restriction of certain roads or lanes to, or construction of such roads or lanes for use by, passenger buses or high occupancy vehicles;*
- (iii) *employer-based transportation management plans, including incentives;*
- (iv) *trip-reduction ordinances;*
- (v) *traffic flow improvement programs that achieve emission reductions;*
- (vi) *fringe and transportation corridor parking facilities serving multiple occupancy vehicle programs or transit service;*
- (vii) *programs to limit or restrict vehicle use in downtown areas or other areas of emission concentration particularly during periods of peak use;*
- (viii) *programs for the provision of all forms of high-occupancy, shared-ride services;*
- (ix) *programs to limit portions of road surfaces or certain sections of the metropolitan area to the use of non-motorized vehicles or pedestrian use, both as to time and place;*
- (x) *programs for secure bicycle storage facilities and other facilities, including bicycle lanes, for the convenience and protection of bicyclists, in both public and private areas;*
- (xi) *programs to control extended idling of vehicles;*
- (xii) *programs to reduce motor vehicle emissions, consistent with title II, which are caused by extreme cold start conditions;*
- (xiii) *employer-sponsored programs to permit flexible work schedules;*
- (xiv) *programs and ordinances to facilitate non-automobile travel, provision and utilization of mass transit, and to generally reduce the need for single occupant vehicle travel, as part of transportation planning and development efforts of a locality, including programs and ordinances applicable to new shopping centers, special events, and other centers of vehicle activity;*
- (xv) *programs for new construction and major reconstructions of paths, tracks or areas solely for the use by pedestrian or other non-motorized means of transportation when economically feasible and in the public interest. For purposes of this clause, the Administrator shall also consult with the Secretary of the Interior; and*
- (xvi) *program to encourage the voluntary removal from use and the marketplace of pre-1980 model year light duty vehicles and pre-1980 model light duty trucks.*

The Transportation Conformity regulation requires that the TIP/RTP “must provide for the timely implementation of TCMs in the applicable implementation plan.” TCMs are included in the most recently approved San Joaquin Valley State Implementation Plans (SIP) as part of the overall control strategy to demonstrate a region's ability to come into attainment with the National Ambient Air Quality Standards (NAAQS). When a committed TCM project cannot be delivered or will be significantly delayed, the substitution of the TCM project follows the process specified in the Clean Air Act (CAA) Section 176(c)(8).

This report described the FCOG TCM Substitution process, applicable criteria, and supporting emission calculations.

APPLICABLE TCMs IN THE SAN JOAQUIN VALLEY

The *Amended 2002 and 2005 Ozone Rate of Progress Plan* contains commitments that reduce ozone related emissions; these measures are documented in the *Regional Transportation Planning Agency Commitments for Implementation Document, April 2002*. These commitments are included by reference in the Amended 2003 PM-10 Plan to provide emission reductions for precursor gases and help to address the secondary particulate problem. Since these commitments are included in the Plan by reference, the commitments were approved by EPA as TCMs.

The Project TID Table was developed to provide implementation documentation necessary for the measures identified. Detailed information is summarized in the first five columns, including the commitment number, agency, description, funding, and schedule (if applicable).

For each project listed, the TIP in which the project was programmed, as well as the project ID and description have been provided. In addition, the current implementation status of the project has been included (e.g., complete, under construction, etc.). MPO staff determined this information in consultation with the appropriate local jurisdiction. Any projects not implemented according to schedule or project changes are explained in the project status column. These explanations are consistent with the guidance and regulations provided in the Transportation Conformity regulation.

In March 2005, the SJV MPOs began interagency consultation with FHWA and EPA to address outstanding RACM/TCM issues. In general, criteria were developed to identify commitments that require timely implementation documentation. The criteria were applied to the 2002 RACM Commitments approved by reference as part of the Amended 2003 PM-10 Plan. In April 2006, EPA transmitted final tables that identified the approved RACM commitments that require timely implementation documentation for the Conformity Analysis. Subsequently, an approach to provide timely implementation documentation was developed in consultation with FHWA.

A new 2002 RACM TID Table was prepared in 2006 to address the more general RACM commitments that require additional timely implementation documentation per EPA. A brief

summary of the commitment, including finite end dates if applicable, is included for each measure. The MPOs provided a status update regarding implementation in consultation with their member jurisdictions. If a specific project has been implemented, it is included in the Project TID Table under “Additional Projects Identified”. The 2002 RACM TID Table has been most recently updated as part of Fresno COG’s latest conformity analysis.

TCM SUBSTITUTION PROCESS

The Fresno Council of Governments is requesting to substitute a traffic signal(s) project located in the City of Huron included as a TCM in the San Joaquin Valley Ozone SIP with a signal synchronization (ITS) project in the City of Clovis (see Appendix B). As documented herein, the proposed substitution is consistent with federal and state requirements, including the federal planning requirements and the U.S. Environmental Protection Agency's (EPA) Transportation Conformity Rule.

The substitution process described herein is consistent with federal planning requirements and the Transportation Conformity Rule. Project sponsors notify FCOG when a TCM project cannot be delivered or will be significantly delayed. FCOG then identifies and evaluates possible replacement measures for individual substitutions with consultation of the San Joaquin Valley Interagency Consultation Group, which includes members from federal, state and/or local air quality agencies and transportation agencies.

Substitution of individual TCMs is provided for by the CAA Section 176(c)(8), under the following conditions:

"(i) if the substitute measures achieve equivalent or greater emissions reductions than the control measure to be replaced, as demonstrated with an emissions impact analysis that is consistent with the current methodology used for evaluating the replaced control measure in the implementation plan;

"(ii) if the substitute control measures are implemented-

"(I) in accordance with a schedule that is consistent with the schedule provided for control measures in the implementation plan; or

"(II) if the implementation plan date for implementation of the control measure to be replaced has passed, as soon as practicable after the implementation plan date but not later than the date on which emission reductions are necessary to achieve the purpose of the implementation plan;

"(iii) if the substitute and additional control measures are accompanied with evidence of adequate personnel and funding and authority under State or local law to implement, monitor, and enforce the control measures;

"(iv) if the substitute and additional control measures were developed through a collaborative process that included—

"(I) participation by representatives of all affected jurisdictions (including local air pollution control agencies, the State air pollution control agency, and State and local transportation agencies);

"(II) consultation with the Administrator; and

"(III) reasonable public notice and opportunity for comment; and

"(v) if the metropolitan planning organization, State air pollution control agency, and the Administrator concur with the equivalency of the substitute or additional control measures."

A TCM substitution does not require a new conformity determination or a formal SIP revision. FCOG adoption of the new TCM with concurrence of the U.S. EPA and California Air Resources Board (CARB) will rescind the original TCM and the substitution becomes effective.

PROJECT DESCRIPTION

The 2019 Federal Transportation Improvement Program (FTIP) includes FRE020135, which will install traffic signals on Lassen Avenue at 4th and 9th Streets in the City of Huron. The project has encountered significant obstacles in its implementation, leading to the current programmed project being deemed infeasible and unable to be completed as programmed. Consequently, FCOG proposes to substitute a signal synchronization (ITS) project in the City of Clovis that is located within the same geographic non-attainment area. The \$1.4 million ITS project, expected to be complete by 2023, is a new project and is not yet classified as a committed TCM.

COMPLIANCE WITH SUBSTITUTION REQUIREMENTS

Interagency Consultation. Interagency consultation on the proposed substitution occurred December 18, 2020 via email. The TCM substitution request document was released for a 30-day public review period on January 26, 2021. A public hearing was held on February 16, 2021. No comments were received. (see Appendix C).

Equivalent Emissions Reduction. FCOG has analyzed the emissions impacts of the substitute project and concluded that the replacement project provides equal or greater emission reductions. CARB and EPA staff has reviewed and concurred with the methodology FCOG used for the analysis in July/August 2020.

Emissions reductions for both projects were calculated using the California Air Resources Board's (CARB) Air Quality Cost-Effectiveness Calculation Tool, an automated Access database program which estimates ROG, CO, NOx and PM2.5 emissions in pounds per year for a variety of projects, including traffic signal coordination. For the signal coordination tool used in this analysis, the calculator inputs include the following: operating days per year, traffic volumes during congested period, and length of roadway that is congested. The emission factors¹ by speed bin were then applied to these inputs to produce emission estimates for with and without project conditions.

Traffic counts for the year 2019 were obtained from the City of Huron and City of Clovis. The project life was consistent with the information provided by the project sponsors (15 years for the City of Huron project and 10 years for the City of Clovis). FCOG estimated that the original TCM would have resulted in 50 pounds per year of combined emission reductions from all pollutants. For the City of Clovis project (proposed TCM), FCOG estimated emission reductions of 218 pounds per year, which greatly exceeds the reductions provided by the original City of Huron project.

Similar Geographic Area. Both projects are located within Fresno County and the same San Joaquin Valley Air Basin.

Full Funding. Project sponsor (the City of Clovis) has secured full funding of \$1,421,000 for the substitute project. This project is fully funded with Congestion Mitigation and Air Quality Improvement (CMAQ) program funds and the corresponding matching local funds. This project received \$1,258,011 in CMAQ regional bid funds during the 2019-2020 Fresno COG CMAQ call-for-projects cycle. Project funding was approved by the Fresno COG Policy Board in June of 2020. City of Clovis has elected to use local funds of \$162,989 for the 11.47% local match that is required under FHWA CMAQ Guidelines.

Similar Time Frame. The substitute project will be operational by 2023. The original TCM project for the two traffic signals in the City of Huron was first included in Fresno COG's 2003 FTIP but has since been under development first, due to concerns about warrants and later, Caltrans's concerns about having signals on a highway system. Additionally, project faces right-of-way concerns from citizens in the City of Huron and the City Council. Therefore, FCOG plans to expedite City of Clovis project implementation to fulfill the TCM designation.

Timely Implementation. The proposed substitution is the means by which the obstacle to implementation of the traffic signals projects TCM is being overcome. The replacement project will be monitored through TCM Timely Implementation Reports that FCOG releases for public review and submits for federal approval.

Legal Authority. FCOG has legal authority to implement the substitute project, while the project sponsor will have the authority to construct and operate it.

¹ California Air Resources Board, Emissions Factors Tables, September 2019.

Agency Review and Adoption. The draft substitution report was released for a 30-day public review period following public participation procedures (PPP) for the FTIP/RTP amendments. These include publishing a notice in local newspapers and a public hearing soliciting comments, as well as posting on FCOG website and social media. The final substitution report was presented to and approved by FCOG's Policy Board on March 25, 2021. Concurrence from U.S. EPA and ARB will rescind the original TCM and the new measure will become effective.

Programming of the Substitute TCMs. After obtaining the concurrence from ARB and EPA, the substitute TCM will be included into the conforming FTIP.

Appendix A

FCOG TID Documentation

Fresno Council of Governments
Timely Implementation Documentation
2018 RTP / 2019 FTIP CONFORMITY

<u>RACM Commitment</u>	<u>Agency</u>	<u>Commitment Description</u>	<u>Original Commitment Schedule</u>	<u>Commitment Funding</u>	<u>TIP</u>	<u>TIP Project ID</u>	<u>Project Description</u>	<u>2018 RTP Amendment #2 / 2019 FTIP Amendment #6 2019 CONFORMITY</u>	<u>2018 RTP Amendment #3 / 2019 FTIP Amendment #12 2020 CONFORMITY</u>
								(as of 07/2019)	(as of 08/2020)
FR 5.10	Fresno COG	Freeway Service Patrol	on-going	not specified	2002	FRE020163	To Expand the Freeway Service Patrol to Serve Additional Segments of SR99, 168, and 180	Complete	Complete
					2002	FRE020649	To Support the Existing Freeway Service Patrol Along Segments of State Routes 41, 99, and 180 (Three Current Beats)	Complete	Complete
FR5/FR5.4	Clovis	Traffic Flow Improvements; Site Specific TCMs	in progress	not specified			Willow-Shaw Intersection Willow-Ashlan Intersection Willow-Bullard Intersection	Complete Complete Complete.	Complete Complete Complete.
							Willow-Barstow Intersection	Complete	Complete
							Willow-Herndon Intersection Bicycle Improvement: Southern Pacific Railroad, between Alluvial-S/O Dakota	Complete Complete	Complete Complete
							Bicycle Improvement: Villa, between Clovis-Southern Pacific Railroad	Complete	Complete
							Bicycle Improvement: Sierra, between Willow-Clovis	Complete	Complete
							Bicycle Improvement: Willow, Bullard-Sierra	Complete	Complete
							Bicycle Improvement: Fowler, N/O Dakota-Shaw	Complete	Complete
							Bicycle Improvement: Armstrong, between Tollhouse-Bullard	Complete	Complete
FR18-TCM1-TCM4	Clovis	Twenty projects	not specified	CMAQ & TEA					
		Shaw Signal Interconnect, Clovis-Temperance			1996/1998	NO ID NUMBER	Traffic signal interconnection along Shaw (Clovis-Temperance)	Complete	Complete
		Herndon Interconnect, Willow-Tollhouse			1996/1998	NO ID NUMBER	Traffic signal interconnection along Herndon (Willow-Tollhouse)	Complete	Complete
		Villa Interconnect, Bullard-Shaw			2000	FRE000104	Traffic Signal Interconnection along Villa Avenue (Bullard-Shaw)	Complete	Complete

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								(as of 07/2019)	(as of 08/2020)
		Ashlan Interconnect, Clovis-Winery			2000	FRE000101	Traffic Signal Interconnection along Ashlan Avenue (Clovis-Winery)	Complete	Complete
		Fowler Interconnect, Ashlan-Barstow			2000	FRE000109	Traffic Signal Interconnection along Fowler Avenue (Ashlan-Barstow)	Complete	Complete
		Clovis Traffic Management Center			2000	FRE000105	Construction of Traffic Management Center at Clovis City Hall Facility	Complete	Complete
		Clovis-Alluvial Traffic Signal			2000	FRE00106	Install Traffic Signal at Clovis and Alluvial Avenues	Complete	Complete
		Clovis-Sierra Traffic Signal			2000	FRE000165	New Signals at the Intersection of Clovis Avenue and Sierra Avenue	Complete	Complete
		Clovis Old Town Trail, Dayton-Willow			2000	FRE001805	Union Pacific's Clovis Branchline/Pinedale Spurline Railroad	Complete	Complete
		Dry Creek Trail Terminus, Minnewawa			2000	FRE001801	Corridor Trail Landscaping Project	Complete	Complete
		Dry Creek Trail, Alluvial-Nees			2000/2002	FRE001802/FRE021801	Dry Creek Trail Bicycle, Pedestrian & Landscaping Project Phase II (Alluvial to Nees)	Complete	Complete
		Treasure Ingmire Park Rest Stop			2000	FRE001803	Old Town Trail at Treasure Ingmire Park Rest Stop Project	Complete	Complete
		Grade Crossings Herndon			2000	FRE00102	Construction of Grade Crossings Along Old Town Trail at Herndon and Villa	Complete	Complete
		Villa			2000	FRE00102	Construction of Grade Crossings Along Old Town Trail at Herndon and Villa	Complete	Complete
		Nees			2000	FRE000112	Construction of Grade Crossings Along Old Town Trail at Willow and Nees Avenues	Complete	Complete
		Willow			2000	FRE000112	Construction of Grade Crossings Along Old Town Trail at Willow and Nees Avenues	Complete	Complete
		Ashlan Bicycle Lane			2000	FRE000107	Construct Bicycle Lane on Ashlan Avenue (Winery to Minnewawa Ave.)	Complete	Complete
		Shaw-Temperance Traffic Signal			1996/1998	NO ID NUMBER	Install actuated traffic signal & transitional pavement at & adjacent to Shaw & Temperance Ave.	Complete	Complete
		Clovis Civic Center Bicycle Lockers			1996	NO ID NUMBER	Install bicycle lockers at the Clovis Civic Center	Complete	Complete
		Installation of Bus Shelters			2000	FRE000110	Install Five Transit Bus Shelters at Various Locations	Complete	Complete
FR 5.3/TCM 1	Coalinga	Traffic signal on SR198 & Phelps Avenue		2003 CMAQ	2004	FRE020110	Install Traffic Signal at Intersection of SR33/SR198 and Phelps Avenue.	Complete	Complete

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								(as of 07/2019)	(as of 08/2020)
FR 9.3/9.5/10.4/10.5/10.7/TCM4/19.18	Coalinga	Off-street bike path on SR33 (Jayne Avenue), Merced Avenue-Willow Springs		2002 CMAQ	2002	FRE020107	Construct Bicycle Lane on Polk Street/SR198 (Merced to Willow Springs Ave.)	Complete	Complete
		Bicycle and Pedestrian Programs	implemented and ongoing	CMAQ, TEA			Bikeway: Monterey Ave. from creek at Cambridge Ave to Washington Street	Complete	Complete
							Bikeway: Cambridge Avenue from SR 33/Elm Avenue to Monterey Avenue	Complete	Complete
							Bikeway: Polk Street from Monterey Avenue to Merced Ave.	Complete	Complete
FR 5.3	Fowler	Add left turn phasing to intersection of Merced Street and Golden State Blvd.		2002 \$616,000 STP	2002	FRE020609	Golden State Boulevard/Merced Ave. Intersection Reconstruction to Improve Channel/Signalization	Complete	Complete
FR 9.3/10.4/10.5/10.7/TCM4/19.18	Fowler	Sidewalk improvements in the vicinity of 5th Street and Main Street	ongoing	CMAQ	2002	FRE020112	Construct Pedestrian Sidewalks Along Main Street (4th to 6th St.) and Along 5th Street (Main to Merced)	Complete	Complete
FR 5.1/5.2/TCM1	Fresno	Nine projects	underway	\$13 M CMAQ					
		FCMA Signal Synchronization (Phase I, II, and III)			1996 - 2002	FRE020118	FCMA Signal Synchronization Project Implementation All Phases	Complete	Complete
		Shaw & Blackstone			2000	FRE000117	Traffic Signal Improvements to Include Dual-Left Turn Phasing & Signal Appurtenances (Shaw and Blackstone Avenues)	Complete	Complete
		Shaw & Fresno			2000/2002	FRE020116	Traffic signal improvements to Include Dual-Left Turn Phasing & Signal Appurtenances (Shaw and Fresno Avenues)	Complete	Complete
		Shaw & First			2004	FRE020117	Traffic Signal Improvements to Include Dual-Left Turn Phasing & Signal Appurtenances at Intersection of Shaw Avenue and First Street	Complete	Complete
		Blackstone & Bullard			2004	FRE020119	Traffic Signal Improvements to Include Dual-Left Turn Phasing & Signal Appurtenances at Intersection of Blackstone and Bullard Avenues	Complete	Complete

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								(as of 07/2019)	(as of 08/2020)
		First & Tulare			2004	FRE020120	At Intersection of First Street and Tulare Avenue; Install Traffic Flow Improvements Including Dual Left-Turn Lanes & Intersection Improvements	Complete	Complete
		Shaw & West			2000/2002	FRE020121	Traffic Flow Improvements Including Dual Left-Turn Lanes & Intersection Improvements	Complete	Complete
		Chestnut & Kings Canyon			2004	FRE020122	At Intersection of Chestnut Avenue and Kings Canyon Road; Install Traffic Flow Improvements Including Dual Left-Turn Lanes & Intersection Improvements	Complete.	Complete.
		Cedar & Shaw			2000/2002	FRE020123	Traffic Flow Improvements Including Installation of Dual NB and SB Lanes & Separate Right Turn Lanes	Complete	Complete
		Fresno & Sierra			2004	FRE040620	Fresno Ave. at Sierra Ave. Additional turning lane and light turn phasing.	Complete	Complete
		Controller at Railroad Crossing			2000/2002	FRE020126	New Controller and Pre-Emption to Interconnect to Railroad Crossing, Reconstruct 3 Returns & New Signal Poles	Complete	Complete
		Marks & Weber			2004	FRE020127	At Marks and Weber Avenue Intersection; Install Traffic Flow Improvements Including Ultimate Build of Intersection & New Traffic Signal	Complete	Complete
		Clinton & West			2004	FRE020128	At Intersection of Clinton and West Avenues; Install Traffic Flow Improvements Including Dual EB & WB Left-Turn Lanes & Protected Left Phasing EB & WB	Complete	Complete
		Herndon, Van Ness & Marks			2000/2002	FRE020614	Widen From 4 to 6 Lanes Divided. (West Avenue to Marks Avenue) Modify Traffic Signals/Provide Dual Left Turns at turns at Van Ness & Marks Avenues. Provide Right Turn Lanes & Bus Bays	Complete	Complete
FR 9.2/9.3/9.5/TCM4/ 19.18	Fresno	Improve bicycle facilities	in progress	\$1.7 M CMAQ	2004	FRE020129	Lump-Sum Bicycle Facilities Including Lanes, Racks, Traffic Control Devices to Assist Bicyclist - On Major Streets	Complete	Complete

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								2019 FTIP Amendment #6	2019 FTIP Amendment #12
								2019 CONFORMITY	2020 CONFORMITY
								(as of 07/2019)	(as of 08/2020)
FR 5.2/5.3/5.4/5.5/19. 25/TCM1	Huron	Install and synchronize two traffic signals; SR 269 improvements (4th & 9th Streets)	not specified; 2003	CMAQ; TEA					
					2002/2004	FRE020135	Install Traffic Signals on Lassen Ave. (SR 269) (4th and 9th Street intersections)	City of Huron continues coordination/consultation/discussion of alternatives with Caltrans (as it is a State Route) as well as the City Council. Completion is expected by the end of 2020	City of Huron and Caltrans will pursue alternatives to signals, TCM designation will be removed and substituted to an appropriate project. Estimated date of substitution is late 2020.
		SR269 Improvements			2002	FRE021001	SHOPP Lump-Sum Account Non-Capacity Increasing Projects: (Safety; Roadway/Roadside Rehab.; Damage Restoration; Operations & SHOPP TEA)	Complete	Complete
FR 9.2/9.3/9.5/10.4/1 0.5/10.6/TCM4/19. 18	Huron	Pedestrian improvements for L Street and SR 269	not specified	TEA	2000	FRE001811	"L" Street Landscaped Bike & Pedestrian Pathway	Complete	Complete
FR 5.2/19.25	Kerman	Construct signal intertie for signals along Madera Avenue		2003 CMAQ	2002/2004	FRE020137	Traffic Signal Interconnect for Four Signals Along Madera Avenue from "E" Street to Whitesbridge Road. Install Signal at Madera & Stanislaus.	Complete	Complete
FR 5.3/5.4/TCM1	Kingsburg	Intersection improvements at SR 2001 and Draper Street and 18th Avenue		2004 CMAQ	2004	FRE040616	Eliminate 2 of 3 intersections at 18th Ave. and Sierra St.provide turn pockets & expand park(18 Ave & Sierra St. intersection improvement program. On 18th Avenue N/O Sierra Street; Provide a Right and Left-Turn Pocket at High School Access Approach	Complete	Complete
FR 9.2/9.3/10.4/10.5/ 10.7/TCM4/19.18	Orange Cove	Purchase abandoned right-of-way to develop multipurpose use trail	not specified	CMAQ	2002/2004	FRE020143	Purchase Abandoned AT & SF Railroad ROW from Anchor to Hills Valley Road For Construction of Future Pedestrian/Bicycle Trail	Complete.	Complete.
FR5.2/FR19.25	Parlier	Coordinate Traffic Signal Systems	2002/2003	not specified			Signal timing and coordination of Manning Avenue	Complete	Complete
FR 9.3/10.4/10.5/10.7 /TCM4/19.18	Parlier	two bicycle projects		2003 partial CMAQ					

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		Parlier (Mendocino to Madsen)			2000	FRE000626	Reconstruct, Widen and Install Curb, Gutter, and Sidewalk on Parlier Ave. (Mendocino Ave. to Newmark Ave.)	Complete	Complete
		Parlier			2000/2002	FRE020144	Construct Bicycle Facility Along E. Parlier Avenue (Madsen to Newmark Avenue)	Complete	Complete
		Bicycle/Pedestrian Program	2002-2003	potential sources identified, including CMAQ			Zediker Ave Sidewalks from Stanislaus St. to Fresno St.	Complete	Complete
							Construct curb access ramps at various locations	On going with TDA funds	On going with TDA funds
							4th Street sidewalk between Fig St. and East End	Complete	Complete
							I St. sidewalk between 4th St. and 3rd St.	Complete	Complete
							Repair broken Sidewalk at various locations	On going with TDA funds	On going with TDA funds
							Install traffic signal @ Parlier Ave. and Madsen Ave.	Complete	Complete
							Bike lanes E. Parlier Ave. between Newmark Ave. and Madsen Ave.	Complete	Complete
FR 5.2/19.25	Reedley	Coordination software; install additional signal facilities		2002 Federal	2000	FRE000130	Install traffic signal at "I" Street and Reed Ave. & coordinate equipment from Manning to 11th Street	Complete	Complete
FR 6.1/6.2/TCM6	Reedley	Park and ride lot		2002 Federal	1996/1998/2000	FRE000129	Acquisition & construction of 40-vehicle park & Ride facility for commuters & acquire adjacent abandoned railroad right-of-way	Complete	Complete
FR 9.3	Reedley	Construct portion of downtown rail-trail and design of two extensions	in process	partial CMAQ	2000/2002	FRE000132/FRE020147	Construct Bicycle Path/Pedestrian Trail Along Railbank Tulare Valley Railroad Corridor - Phase II (Dinuba to Buttonwillow)	Complete	Complete
					2002/2004	FRE021808	Acquire Right-Of-Way and Construct Bicycle/Pedestrian Trail Adjacent Existing Union Pacific Railroad Tracks (Manning Avenue to Kings River)	Complete	Complete
FR-19.4	Reedley	Increase Parking at Transit Centers or Stops	this year (2002)	not specified			Construct first city park and ride lot	Complete	Complete
No. 4	Reedley	Purchase PM-10 streetsweeper	not specified	CMAQ	2000	FRE000131	Replace City's Older Diesel Street Sweeper With An Alternately Fueled CNG Sweeper	Complete	Complete

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								(as of 07/2019)	(as of 08/2020)
FR 5.2/19.25/TCM1	Sanger	Coordinate three signals on Jensen Avenue and four signals on Academy Avenue		2002 \$500,000 CMAQ	2002	FRE020149	Traffic Signal Interconnection along Academy Avenue (Annadale - 5th) and Jensen Avenue (Bethel - City Limits)	Complete	Complete
FR5.3	Sanger	Reduce Traffic Congestion at Major Intersections	2003-2005	RSTP and Local			Bethel Ave. between 9th St. and Jenni Ave. Academy Ave. between Central and Church Ave.	Complete This is a capacity increasing project by adding travel lanes. Project should not be considered applicable per the conformity rule.	Complete This is a capacity increasing project by adding travel lanes. Project should not be considered applicable per the conformity rule.
FR9.3/9.5/10.4/10.5/10.7/TCM4	Sanger	Bicycle/Ped. Program	ongoing-2004	potential sources identified, including CMAQ			Repair broken Sidewalk at various locations Bethel Ave. sidewalks between Jensen and Jenni Ave. Annadale Ave. sidewalks between Academy and Newmark 9th St. sidewalks between Bethel Ave. and Cottle	On going with TDA funds. Complete Complete Complete	On going with TDA funds. Complete Complete Complete
FR 5.2/19.25	Selma	Traffic Signal Interconnect System	not specified	CMAQ	2002	FRE020152	Install Traffic Signals and Provide Interconnection	Complete	Complete
FR 5.3	Selma	Four signal projects Rose/McCall Thompson/Whitson Thompson/Dinuba McCall/Barbara	not specified	CMAQ	2002 2002 2000 2002	FRE020152 FRE020152 FRE000138 FRE020154	Install Traffic Signals and Provide Interconnection Install Traffic Signals and Provide Interconnection Install Traffic Signal at Intersection of Thompson & Dinuba Avenues In Selma (At McCall Avenue and Barbara Street Intersection) Install Traffic Signal Interconnect With City Traffic Signal Synchronization System	Complete Complete Complete Complete	Complete Complete Complete Complete
FR 19.18	Selma	Four pedestrian projects Highland Avenue	not specified	not specified	2000	FRE000635	Improvements to Highland/Gonzales Parkway & signalization of Golden St. State Boulevard/Highland Avenue Intersection - Phase II	Complete	Complete

Fresno Council of Governments
Timely Implementation Documentation
2018 RTP / 2019 FTIP CONFORMITY

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								(as of 07/2019)	(as of 08/2020)
		Rose			2000	FRE000638	Reconstruct/Repave With AC Overlay on Rose Ave. (McCall Ave. to Country Club Lane)	Complete	Complete
		Second			2001	FRE000640	Various AC Overlays on Eligible Routes	Complete	Complete
		McCall			2001	FRE000637	AC Overlay With Fabric Underlayment (Arrants Street to Dinuba Avenue)	Complete	Complete
FR5.3	Fresno County	Reduce Traffic Congestion at Major Intersections	not specified	not specified			Signal @SR 145 and Belmont Ave.	Complete	Complete
							Signal @ SR 41 and Mt. Whitney Ave.	Complete	Complete
							Grade separation on Chestnut Ave @ Golden State Blvd/UPRR crossing	Complete	Complete
FR 5.9	Fresno County	Bus pullout on Shaw Avenue at Wishon Avenue	not specified	not specified	1996/1998/2000	FRE000140	Construct bus turnouts at four existing bus stops on Shaw Avenue (Palm-Blackstone)	Complete	Complete
FR 9.3/10.4/TCM4	Fresno County	Bicycle/Pedestrian Program and Development of Bicycle Travel Facilities	2002	Local			Class II bikeway on Ashlan between Minnewawa and Clovis	Complete	Complete
							Bikeways on Auberry Road between MP2 and MP4 and at Friant-Kern Canal	Complete	Complete
							Bikeway Friant Rd, Millbrook to North Fork Rd	Complete	Complete
							Bikeway on Millerton Rd from Park entrance to Sky Harbor Rd.	Project is on track and progression continues.	Project is on track and progression continues.
FR19.18	Fresno County	Pedestrian Facilities	2002	CDBG, TDA, Safe Routes to Schools			Selma W. Front Street Improvements	Complete	Complete
							Kerman Kearney Plaza Improvements	Complete	Complete
							Parlier Sidewalk Improvements @ Zediker Ave.	Complete	Complete
							Parlier Third Street Improvements	Complete	Complete

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								(as of 07/2019)	(as of 08/2020)
							Reedley East Area Street Drainage/Sidewalk Improvements	Complete	Complete
							Tranquility Curb/Gutter/Sidewalk & Street Reconstruction Phase V	Complete	Complete
							Del Ray Sidewalk/Curb & Gutter Reconstruction	Complete	Complete
<u>ADDITIONAL PROJECTS IDENTIFIED</u>									
FR9.2	Coalinga	Encouragement of Pedestrian Travel					Cambridge Avenue – New sidewalk installed from Elm Ave to Joaquin Street.	Complete	Complete
				CDBG			Sunset Avenue – New sidewalk installed from Van Ness to Cambridge Ave.	Complete	Complete
							Valley Street – New sidewalk is proposed from Louisiana Street to Hachman Street.	Complete	Complete
FR-TCM1	Firebaugh	Traffic Flow Improvements		CMAQ	2007	FRE040105	Construct Park and Ride lot.	Complete	Complete
FR-TCM1	Fowler	Traffic Flow Improvements			2007	FRE040602	Interconnection of traffic signals at the intersections of Manning Ave./Golden State Blvd. and Manning Ave./Vineyard Pl.	Complete	Complete
FR10.4/10.5	Fresno / Fresno Area Express	Development of Bicycle Travel Facilities/Expedite Bicycle Projects from RTP					Bike lanes along C Street from Fresno to Ventura, Fruit Avenue between Clinton and Dakota, H Street from Divisadero to Merced and various segments of First Street between Herndon and Ashlan.	Complete	Complete
FR9.2	Kingsburg	Encouragement of Pedestrian Travel			2007	FRE040113	Construct sidewalks along 10th Ave. (Academy Ave.) from Sierra Street to Stroud Ave.	Complete	Complete
FR9.5	Kingsburg	Encouragement of Bicycle Travel			2007	FRE040112	Construct Class I bike path along Golden State Blvd from Bethel Ave to Laurel St. Will be located between existing eastern edge of shoulder and UPRR tracks.	Complete	Complete

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								(as of 07/2019)	(as of 08/2020)
FR19.18	Mendota	Pedestrian Facilities					Approximately 3,000 lineal feet of sidewalks and curb access ramps are currently under construction along Derrick Ave. (SR-33).	Complete.	Complete.
FR5.4	Parlier	Site-Specific Transportation Control Measures					Modify the traffic signal at the intersection of Manning Ave. and Mendocino Ave. to provide for north- and southbound protected left turn phasing.	Complete	Complete
FR9.2/10.4/10.5/1 0.7/TCM-4	Reedley	Various Bicycle and Pedestrian		TE			Reedley Phase IV - Rails to Trails. Class I trail from Manning to Kings River along the San Joaquin Valley Railroad Corridor.	Complete	Complete
FR19.18	Reedley	Pedestrian Facilities		CMAQ	2007	FRE040115	Install sidewalks and ramps, replace/repair existing sidewalks and ramps on both sides of Manning Ave. between Frankwood and Buttonwillow Ave.	Complete	Complete
FR9.3	Selma	Bicycle/Pedestrian Program					Constructed Shoulders and made pedestrian improvements along McCall Avenue from Floral Avenue to Arrants Street.	Complete	Complete
FR5.4	Fresno County	Site-Specific Transportation Control Measures					Install traffic signals at Belmont/Academy Avenues, Fruit/Browning Avenues, and Millerton Road/Table Mountain Casino.	Complete	Complete
FR10.7A	Fresno County	Require Inclusion of Paved Shoulders Adequate for Bicycle Use on State or Federally Funded Reconstruction or Widening of Federal Major Collectors or Greater					Install on Academy Avenue from SR 180 to Shaw; Rose Avenue from Amber to Lac Jac; McCall Avenue from Jensen to SR 180; Jayne Avenue from Sacramento Alignment to Sutter; Crawford Avenue from Floral to Manning.	Complete	Complete

Appendix B

FCOG Substitution Request and Emissions Documentation



City of Huron/P.O. Box 339/36311 Lassen Ave., Huron, CA. 93234-0339 • Phone (559) 945-2241 • Fax (559) 945-2609

April 23, 2020

Tony Boren
Executive Director
Fresno Council of Governments
2035 Tulare Street Suite 201
Fresno, CA 93721

Re: TCM Substitution for FRE020135 Lassen Avenue Traffic Signals at 4th and 9th Streets

Dear Mr. Boren,

The City of Huron would like to request the TCM designation for FRE020135 Lassen Avenue Traffic Signals at 4th and 9th Streets be removed. The proposed TCM project is infeasible as Caltrans has moved almost entirely away from standalone signal projects. Both locations do not warrant traffic signals. The City would like to instead rescope the existing funds for a Pedestrian Hybrid Beacon at the intersection of Lassen Avenue and 9th Street with the support from the community and Caltrans.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jack Castro", is written over a horizontal line.

Jack Castro
City Manager, City of Huron

"Together We Can"

NEW TRAFFIC SIGNALS - OLD TCM PROJECT (using 2019 numbers)

City: City of Huron

Caltrans DIST-EA: 06

Short Description: Lassen Avenue Traffic Signals

Project Scope: Install Traffic Signals on Lassen Avenue at 4th and 9th Streets in the City of Huron.

Project Sponsor: City of Huron

Private Agency: No

CMAQ Funding: \$381,400

Local Match: \$69,500

Capital Recovery Factor: 0.08

Project Analysis Period: 15 years

Days (D): 250 operating days per year

Congested Traffic: 1,360 traffic volume during congested period

Length (L) of congested roadway: 0.50 miles

Annual VMT (VMT): 170,000 annual miles

**EMISSION
FACTORS:**

Before Speed Factor

After Speed Factor

	ROG :	0.06 <i>grams</i>		0.04 <i>grams</i>
	NO_x :	0.35 <i>per mile</i>		0.27 <i>per mile</i>
	PM_{2.5} :	0.01		0.00
	CO :	1.36		1.14

**EMISSION
REDUCTIONS:**

Pounds per Year

Kilograms per Day

	ROG:	4		0.005
	NO_x:	15		0.02
	PM_{2.5}:	0		0
	CO:	6		0

	Total:	<u>25</u> <i>One Traffic Signal</i>		<u>0.03</u>
		50 <i>Two Traffic Signals</i>		0.06

Appendix C

Public Engagement

No public comments were received.

AFFIDAVIT OF PUBLICATION

Account #	Ad Number	Identification	PQ	Amount	Cols	Depth
332627	0004858156	#4858156 NOTICE OF A FRESNO COUNCIL OF		\$832.20	2	5.20 In

Attention: Braden Duran

FRESNO COUNCIL OF GOVERNMENTS
2035 TULARE ST, STE 201
FRESNO, CA 937212004

PUBLIC NOTICE

#4858156

NOTICE OF A FRESNO COUNCIL OF GOVERNMENTS PUBLIC MEETING ON A
DRAFT TRANSPORTATION CONTROL MEASURE SUBSTITUTION

Fresno Council of Governments (Fresno COG) herein provides notice that it will hold a public hearing at 5:00 PM. on February 16, 2021 regarding a draft Transportation Control Measure (TCM) substitution that is proposed by Fresno COG. Due to the State of California's public health guidelines related to the COVID-19 pandemic and pursuant to Executive Order N-29-20, this public hearing will be held via webcast. In-person attendance is not permitted. Details for how to participate will be published in the meeting agenda at <https://agendas.fresnocog.org/>, available a week prior to the meeting date.

The hearing officer will receive public comments on the following documents.

- The draft report for a Transportation Control Measure (TCM) substitution is proposed by Fresno COG in order to meet the requirements under the California State Implementation Plan (SIP)
 - o Fresno COG is proposing to substitute a TCM project in the City of Huron with a project in the City of Clovis. Additional details are provided in the draft report.

Translation services are available (with three-working-days' advance notice) to participants speaking any language with available professional translation services.

A 30-day public review and comment period will commence January 26, 2021 and conclude on February 24, 2021. The draft report is available for review at www.fresnocog.org under the Air Quality and Conformity heading. Fresno COG's office is closed due to Executive Order N-29-20; however, a hard copy will be provided upon request.

Public comments are welcomed at the meeting or may be submitted in writing by 5:00 PM Feb. 24, 2021 to Braden Duran at the address below.

After considering the comments, the report will be considered for adoption, via resolution, by the Fresno COG Policy Board at a regularly scheduled meeting to be held March 25, 2021. The document will then be submitted to state and federal agencies for approval.

Contact Person: Braden Duran, Assistant Regional Planner
2035 Tulare Street, Suite 201, Fresno, CA 93721
559-233-4148 Ext 217
bduran@fresnocog.org

**COUNTY OF DALLAS
STATE OF TEXAS**

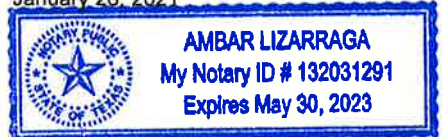
The undersigned states:

McClatchy Newspapers in and on all dates herein stated was a corporation, and the owner and publisher of The Fresno Bee.

The Fresno Bee is a daily newspaper of general circulation now published, and on all-the-dates herein stated was published in the City of Fresno, County of Fresno, and has been adjudged a newspaper of general circulation by the Superior Court of the County of Fresno, State of California, under the date of November 28, 1994, Action No. 520058-9.

The undersigned is and on all dates herein mentioned was a citizen of the United States, over the age of twenty-one years, and is the principal clerk of the printer and publisher of said newspaper; and that the notice, a copy of which is hereto annexed, marked Exhibit A, hereby made a part hereof, was published in The Fresno Bee in each issue thereof (in type not smaller than nonpareil), on the following dates.

January 26, 2021



I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated February 10, 2021

[Handwritten Signature]