

MEMORANDUM

To: BCAG Interagency Consultation Partners

From: Zach Liptak, Senior Environmental Planner, Dokken Engineering

Cc: Tracy Bettencourt and Jesse Hudson, City of Chico & Aliana Hale, Dokken Engineering

Subject: Consultation on PM2.5 Hot-Spot Conformity Assessment for the North Esplanade Reconstruction Project in the City of Chico

Date: November 27, 2023

Introduction

The City of Chico (City) is providing the following PM2.5 Hot-Spot Conformity Assessment for the North Esplanade Reconstruction Project (Project) for Interagency Consultation. As part of the environmental review, it is requested that the Interagency Consultation Partners concur that this Project is not a “Project of Air Quality Concern” (POAQC). Any comments on the assessment should be sent as a reply to all partners. An interagency conference call can be held upon request.

Project Description

The City, in cooperation with the California Department of Transportation (Caltrans), proposes to widen and improve the Esplanade Corridor between Eaton Road and the northerly curb returns of the Leora Court/Nord Highway intersection in the City of Chico, Butte County, California (Attachment A: Figure 1. Project Vicinity and Figure 2. Project Location).

Purpose

The purpose of the North Esplanade Reconstruction Project (Project) is to widen and improve the Esplanade Corridor between Nord Highway and Eaton Road from two to four lanes and to include bicycle, pedestrian, and transit improvements. It will serve as the primary corridor in the area with a variety of commercial, residential, and public uses, including an elementary school, and the 35-acre DeGarmo Community Park, located adjacent to the roadway. Since other portions of Esplanade have been constructed or are currently underway to include these improvements, this Project would essentially close the gap in this area of Chico based on the needs of the Northwest Chico Specific Plan.

Need

This section of Esplanade is part of the Northwest Chico Specific Plan which identifies the roadway as a four-lane facility with “Complete Street” components including sidewalks,

bicycle, pedestrian, and transit features. The Northwest Chico Specific Plan residential, commercial, and mixed-use developments are in various stages of installation and this section of Esplanade is currently lacking these “Complete Street” facilities. This Project is needed to include the pedestrian and multimodal aspects needed in this area of Chico based on the Northwest Chico Specific Plan. These improvements would close the gap in the corridor.

Build Alternative

The Project includes rebuilding Esplanade between Nord Highway and Eaton Road (approximately 3,500 linear feet) to rehabilitate the existing road surface, widen the road to include two (2) 12’ wide lanes in each direction, a 12’ wide two-way center left turn lane, and 5’ wide Class II bike lanes (Attachment A: Figure 3. Project Features). The Project will include curb, gutter and 6’ wide sidewalks with curb-separated landscaped parkstrips where there are current gaps in those facilities along each side of the roadway. In addition, raised landscaped medians will be installed within the Esplanade, except where there will be limited left turn movements.

Due to the new curb, gutter and sidewalks being constructed as part of this Project, storm water will be collected and routed to new drainage inlets and new storm drain pipes. The new storm drain pipes will connect to the existing storm drainage system just north of Eaton Road. The Project will require the relocation of both overhead and underground utilities found throughout the Project area where they are in conflict with the new storm drainage system and widened road. Existing overhead utility poles that can be designed around without compromising the roadway width and sidewalk will remain in place, but some utility poles will be relocated underground or outside the proposed roadway pavement, curb, and gutter.

It is anticipated that excavators, dozers, dump trucks, concrete trucks, and concrete pumps will be required to rehabilitate and widen the existing road surface. Temporary and permanent right of way acquisition will be required for construction. During construction, one lane in each direction will be maintained on Esplanade, with limited reversing single lane traffic to allow for underground trenching across the roadway. Individual driveways and side streets will be staged to minimize the time the access is temporarily blocked. Construction will start as early as 2024 and is anticipated to last 6 months.

No Build Alternative

Under the no-build alternative, the roadway would not be widened and rehabilitated. The pedestrian environment and corridor would not be improved.

This Project is included in the 2023 Federal Transportation Improvement Program (FTIP). The Project will be primarily funded through the Regional Improvement Program, with additional funding from locally generated funds. As such, the project requires compliance with both the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA). The lead agency for NEPA compliance is Caltrans and the lead agency for CEQA compliance is the City.

Regional Conformity

The proposed Project is in the 2020 RTP/SCS and 2023 FTIP which were both found to conform by BCAG on September 27, 2018 and FHWA and FTA adopted the air quality conformity finding on December 7, 2018. The Project is included as project #143 in Appendix 10-11 – Chico Summary of Projects in the 2020 RTP/SCS and on page 69 in the 2023 FTIP (see Attachment B). The design concept and scope of the proposed Project is consistent with the Project description in the 2020 RTP/SCS, the 2023 FTIP and the assumptions in BCAG's regional emissions analysis. The Project meets the regional conformity requirements established by the federal Clean Air Act.

PM2.5 Hot-Spot Conformity Assessment

This Project is in an area that is designated a maintenance for PM2.5, thus a project-level analysis for PM2.5 is required under 40 CFR 93.109. The United States Environmental Protection Agency (USEPA) *Transportation Conformity Guidance for Quantitative Hot-Spot Analyses in PM2.5 and PM10 Nonattainment and Maintenance Areas* requires hot-spot modeling for a POAQC. The final rule in 40 CFR 93.123(b)(1) defines a POAQC as:

- New or expanded highway projects that have a significant number of or significant increase in diesel vehicles.
- Projects affecting intersections that are at Level-of-Service (LOS) D, E, or F with a significant number of diesel vehicles, or those that will change to LOS D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project.
- New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location.
- Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location.
- Projects in or affecting locations, areas, or categories of sites which are identified in the PM2.5 and PM10 applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

The Project is not considered a POAQC for PM2.5 and does not require hot-spot modeling because it does not meet the requirements, as described below.

- **New or expanded highway projects that have a significant number of or significant increase in diesel vehicles.** The proposed Project would widen and improve the Esplanade corridor from a two-lane roadway to four-lanes from the Eaton Road and the northerly curb returns of the Leora Court/Nord Highway intersection. Average daily traffic (ADT) along the Esplanade in the Project area is projected to be 14,663 under opening year (2025) conditions and 17,787 under Build and No Build design year (2045) conditions (see Table below). Heavy truck percentages represent 4.5% of total ADT and would be 660 and 800 under opening (2025) and Build and No Build design (2045) year conditions, respectively (see Table below). Implementation of the Project would not change ADT or truck volumes, relative to the No Build Alternative.

- **Projects affecting intersections that are at Level-of-Service (LOS) D, E, or F with a significant number of diesel vehicles, or those that will change to LOS D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project.** The proposed Project is intended to improve traffic flow and provide congestion relief on the Esplanade. The table below shows the Opening Year (2025) and Design Year (2045) traffic conditions on the Esplanade. The existing LOS is LOS C, which is still an acceptable LOS. Without the Project, traffic conditions would worsen, and Esplanade would change to LOS F. However, since the Project proposes to widen Esplanade, this widening would allow Esplanade to remain at LOS C. Vehicle speed is anticipated to remain the same as the posted speed limit.
- **New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location.** The proposed Project does not include the construction of a new bus or rail terminal that would have a significant number of diesel vehicles congregating at a single location.
- **Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location.** The proposed Project does not expand an existing bus or rail terminal.
- **Projects in or affecting locations, areas, or categories of sites which are identified in the PM2.5 and PM10 applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.** The project site is not in or affecting an area or location identified in any PM2.5 implementation plan. The immediate project area is not considered to be a site of violation or possible violation.

Based on the above analysis, the City has determined that the proposed Project is not a POAQC. Therefore, no further analysis is required.

Scenario/ Analysis Year	Location	AADT		Heavy Trucks %		Level of Service	Induced VMT/year	Average Speed
		Total	Truck	AM	PM			
Opening Year 2025 (Build)	Esplanade between Eaton Road and Nord Highway	14,663	660	4.5%	4.5%	C	0	40
Design Year 2045 (No Build)	Esplanade between Eaton Road and Nord Highway	17,787	800	4.5%	4.5%	F	0	40
Design Year 2045	Esplanade	17,787	800	4.5%	4.5%	C	0	40

Scenario/ Analysis Year	Location	AADT		Heavy Trucks %		Level of Service	Induced VMT/year	Average Speed
		Total	Truck	AM	PM			
(Build)	between Eaton Road and Nord Highway							

Source: City of Chico, 2023. Available at: <https://trafficguru.us/24Hour/CityofChico>.

Northwest Chico Specific Plan EIR, 2006. Available at: <https://chico.ca.us/post/northwest-chico-specific-plan>

Public Involvement Process

Additional public involvement is not required for this assessment since the NEPA document for the proposed Project is to be approved as a CE.

If you have questions or need additional information, please contact Zach Liptak, Senior Environmental Planner at Dokken Engineering by email zliptak@dokkenengineering.com or by phone at (916) 858-0642. The City is also available for questions on the project and can be reached by contacting Tracy Bettencourt at tracy.bettencourt@Chicoca.gov or Jesse Hudson at jesse.hudson@Chicoca.gov.

References Cited

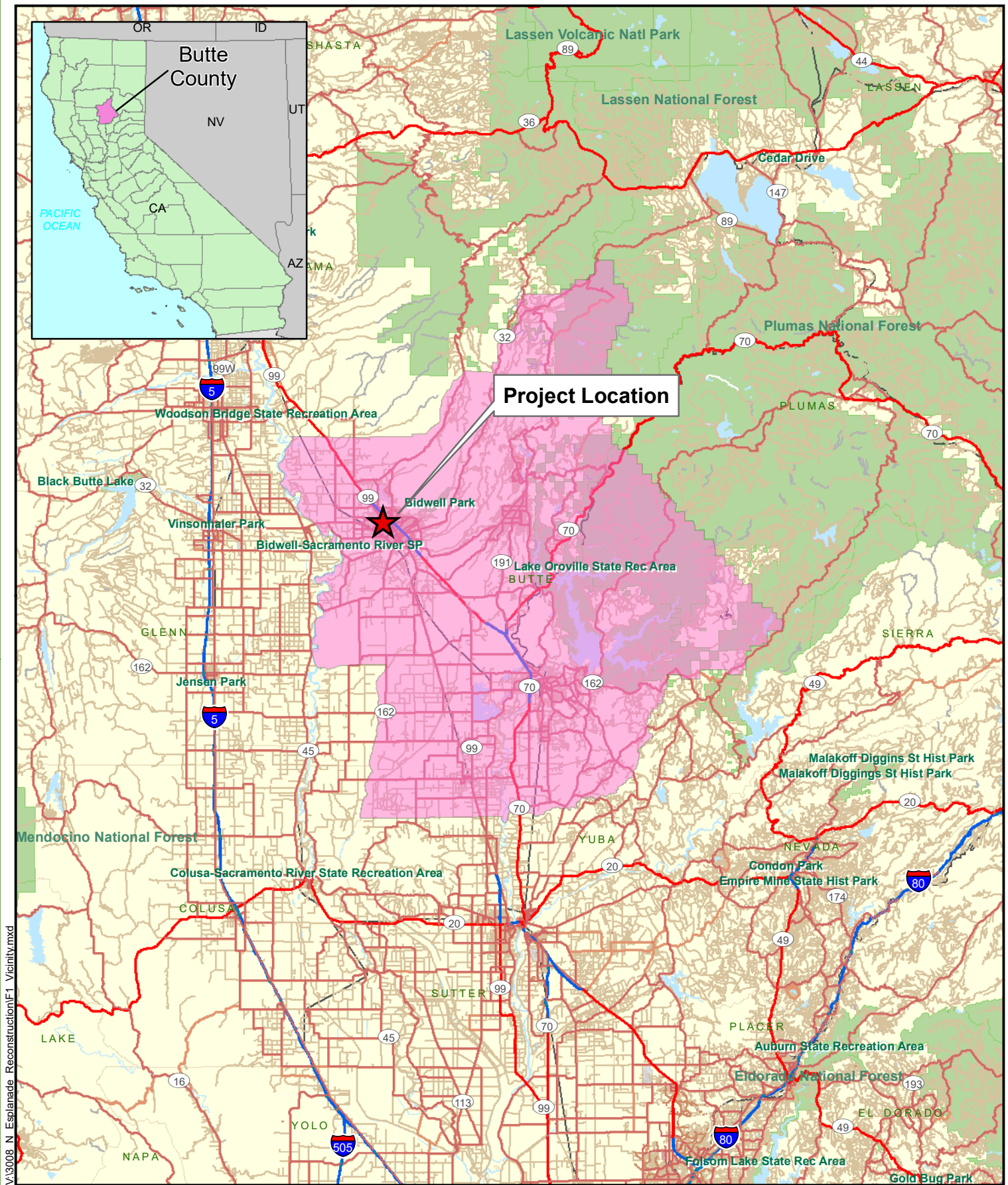
City of Chico, 2023. Available at: <https://trafficguru.us/24Hour/CityofChico>.

Northwest Chico Specific Plan EIR, 2006. Available at: <https://chico.ca.us/post/northwest-chico-specific-plan>.

U.S. Environmental Protection Agency. 2023. Nonattainment Areas for Criteria Pollutants. Available: <https://www.epa.gov/green-book>. Accessed: November 17, 2023.



Attachment A: Map Figures



V:\3008 N Esplanade Reconstruction\F1_Vicinity.mxd

Source: ESRI 2008; Dokken Engineering 8/8/2023; Created By: ahale



0 5 10 15
Miles

FIGURE 1
Project Vicinity
RPSTPL-5037(042)
North Esplanade Reconstruction Project
City of Chico, Butte County, California



Source: ESRI World Street Maps Online; Dokken Engineering 8/8/2023; Created By: ahale



0 0.25 0.5 0.75 1 Miles

FIGURE 2 Project Location

RPSTPL-5037(042)
North Esplanade Reconstruction Project
City of Chico, Butte County, California

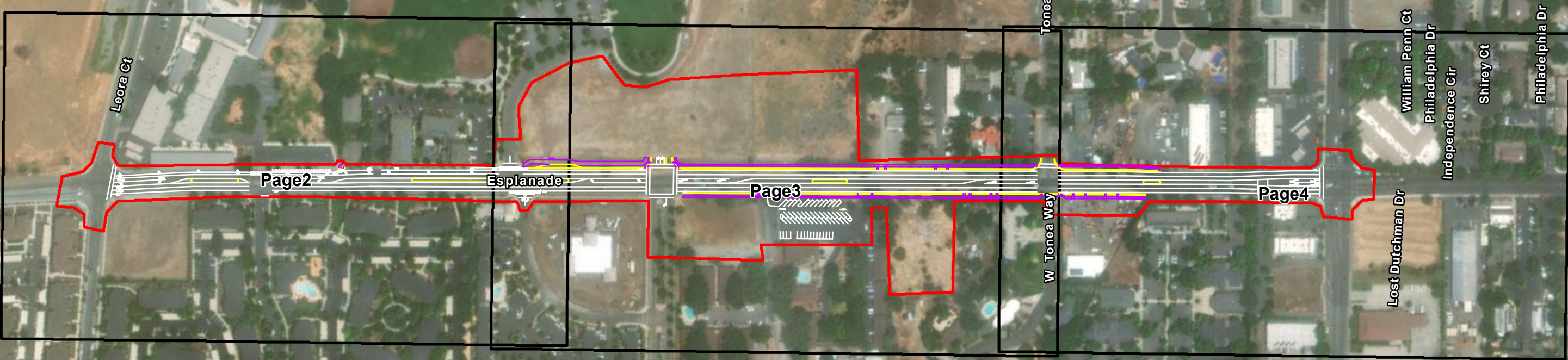
Project Area (19.03 acres)

Proposed Project Features

Sidewalk

Curb and Gutter

Pavement Striping



V:\3008 N Esplanade Reconstruction\F3 Project Features.mxd

Source: ESRI Maps Online; Dokken Engineering 10/13/2023; Created By: ahale



1 inch = 300 feet

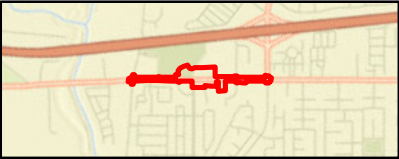


FIGURE 3
Project Features
RPSTPL-5037(042)
North Esplanade Reconstruction Project
City of Chico, Butte County, California

Project Area (19.03 acres)

Proposed Project Features

Sidewalk

Curb and Gutter

Pavement Striping



V:\3008 N Esplanade Reconstruction\F3 Project Features.mxd

Source: ESRI Maps Online; Dokken Engineering 10/13/2023; Created By: ahale

1 inch = 100 feet

0

100

200

300

400

500

Feet

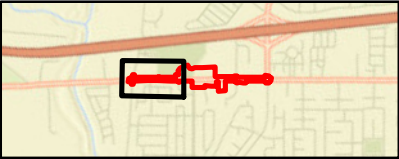


FIGURE 3

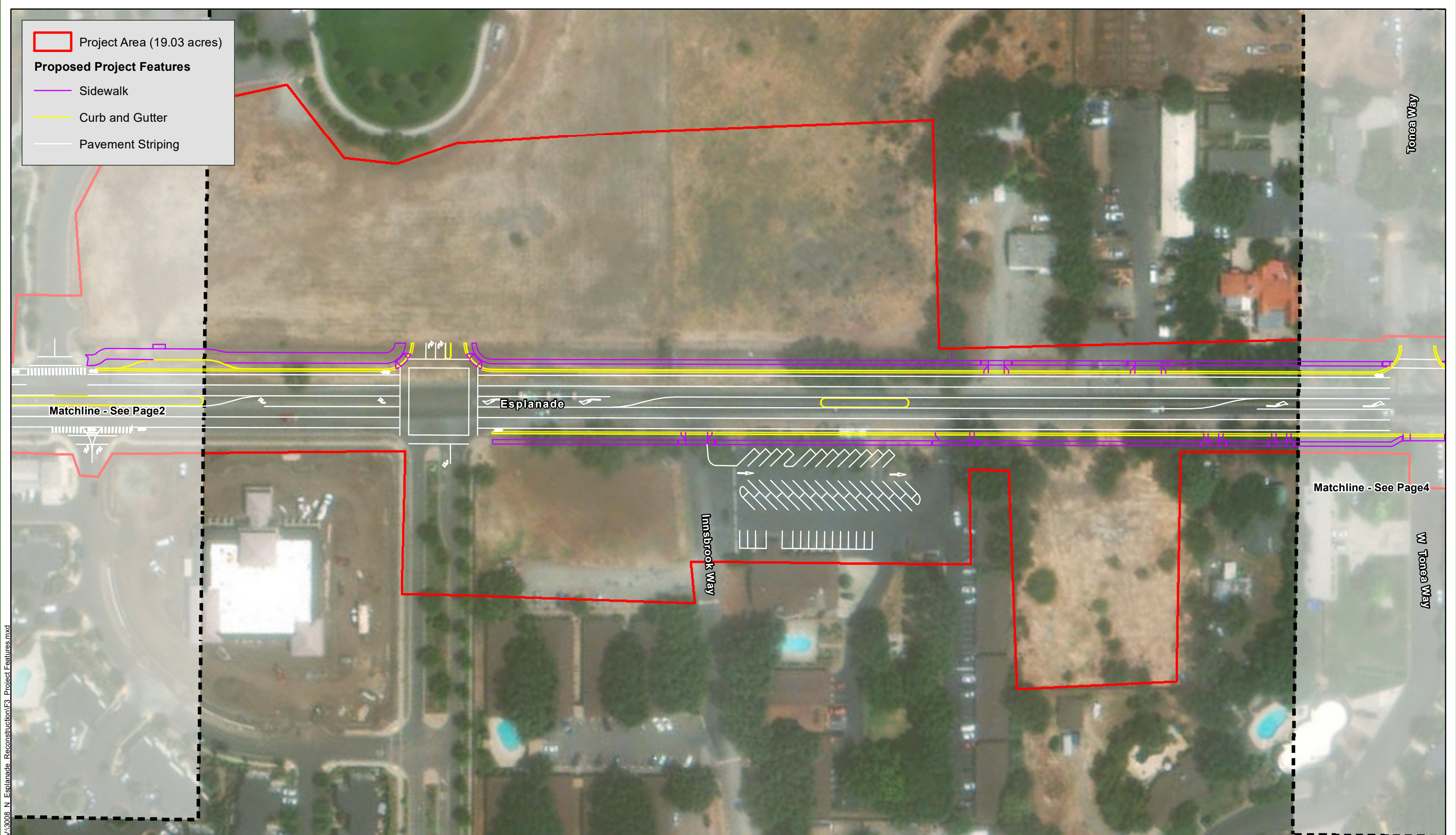
Project Features

RPSTPL-5037(042)

North Esplanade Reconstruction Project

City of Chico, Butte County, California

Page 2 of 4



Project Area (19.03 acres)

Proposed Project Features

Sidewalk

Curb and Gutter

Pavement Striping

V:\3008 N Esplanade Reconstruction\F3 Project Features.mxd

Source: ESRI Maps Online; Dokken Engineering 10/13/2023; Created By: ahale

1 inch = 100 feet

0100200300400500

Feet

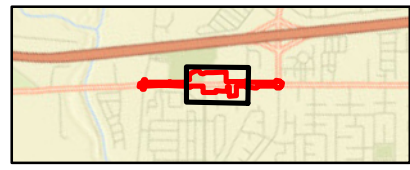
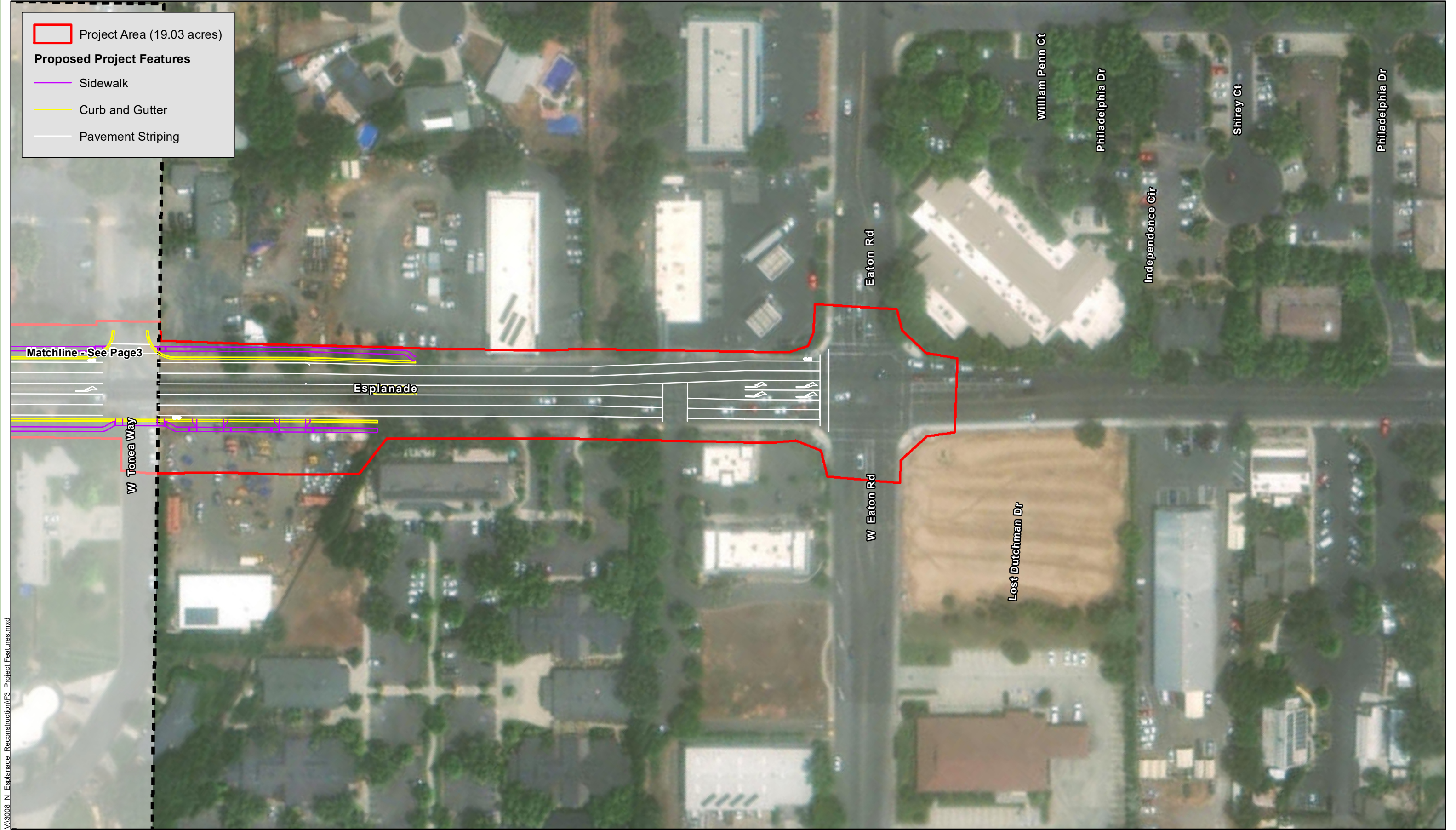


FIGURE 3
Project Features
RPSTPL-5037(042)
North Esplanade Reconstruction Project
City of Chico, Butte County, California

Page 3 of 4



V:\3008 N Esplanade Reconstruction\F3 Project Features.mxd

Source: ESRI Maps Online; Dokken Engineering 10/13/2023; Created By: ahale



1 inch = 100 feet

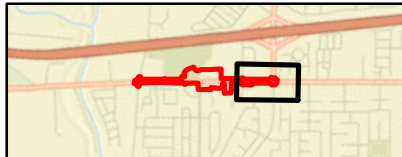


FIGURE 3
Project Features
RPSTPL-5037(042)

North Esplanade Reconstruction Project
City of Chico, Butte County, California



Attachment B: 2020 RTP/SCS and 2023 FTIP Listing

2020 RTP/SCS DEVELOPMENT (SEPTEMBER 12, 2020)

With Changes, project line numbers updated, sorted by agency

APPENDIX 10-11

#	Implementing Agency	Program med	Planned	Project Type	Title	Project Description	Project ID	Fund Source	Fund Total Estimate (1,000s)	STATUS Programmed Planned Project Development Unconstrained	Y Coordinate	X Coordinate	TARGET FISCAL YEAR	Cost Estimate - All components
		FTIP	RTP											(1,000s)
96	Chico	FTIP	RTP	Bicycle & Pedestrian	Esplanade Corridor Safety and Accessibility Improvement Project	Project includes various non motorized "complete streets" improvements along the Esplanade Corridor from W. 11th Avenue to Memorial Avenue. Improvements are both on Esplanade and Oleander.	20200000194	Congestion Mitigation and Air Quality Program, Local Agency & Active Transportation Program Funds	\$ 7.7 million	Programmed	39.73776418200	-121.84572932200	2022	7,700
97	Chico	FTIP	RTP	Bicycle & Pedestrian	Little Chico Creek Pedestrian / Bicycle Bridge Connection at Community Park Project	Just south of Humboldt Ave, west of State Route 99. Project entails new bridge connector over Little Chico Creek into the north side of 20th Street Park.	CH-BIKE-ATP-2020-1	Local Agency & Active Transportation Program Funds	\$ 2.142 million	Programmed	39.734297	-121.817234	2023	2,142
98	Chico	FTIP	RTP	Bicycle & Pedestrian	SR 99 Bikeway Phase 4 Improvements	Business Lane along the east side of SR 99 corridor to the Skyway northbound on-ramp. Project is to construct a new Class 1 Bikeway Project	20200000189	Congestion Mitigation and Air Quality Program, Local Agency & Active Transportation Program Funds	\$ 2.4 million	Programmed	39.71814912000	-121.80220776000	2020	2,400
99	Chico	FTIP	RTP	Bicycle & Pedestrian	SR 99 Corridor Bikeway Phase 5 - 20th Street Crossing	SR 99 Corridor Bikeway Project Phase 5 completes the gap adjacent to SR 99 from Chico Mall across 20th Street to the south end of Business Lane. Scope of project is develop a new bicycle and pedestrian crossing (bridge) over 20th Street in Chico.	20200000117	Congestion Mitigation and Air Quality Program, Local Agency & Active Transportation Program Funds	\$ 15.5 million	Programmed	39.72725958660	-121.80608392300	2023	15,500
100	Chico	-	RTP	Bicycle & Pedestrian	Whittmeier Dr Class 1 (Bikeway 99 connector)	From SR99 Phase 4 end to Forest Ave and Talbert. Class 2 bike facility (0.18 miles)	CH-BIKE-LOCAL-2020-1	LOCAL	\$.155 million	Planned	39.7210567	-121.8041482	2030	115
101	Chico	-	RTP	Bicycle & Pedestrian	Oleander Ave Class 2	From E 10th Ave to E 1st Ave. Class 2 bike facility (0.76 miles)	CH-BIKE-LOCAL-2020-4	LOCAL	\$.076 million	Planned	39.7483646	-121.8486235	2025	76
102	Chico	-	RTP	Bicycle & Pedestrian	Humboldt Rd Class 1	From Morning Rose Way to Bruce Rd. Class 1 bike facility (0.51 miles)	CH-BIKE-LOCAL-2020-5	LOCAL	\$.305 million	Planned	39.7399194	-121.7961171	2025	305
103	Chico	-	RTP	Bicycle & Pedestrian	Esplanade Class 2	From W 11th Ave to East Ave. Class 2 bike facility (1.09 miles)	CH-BIKE-LOCAL-2020-6	LOCAL	\$.031 million	Planned	39.7518683	-121.8556255	2025	31
104	Chico	-	RTP	Bicycle & Pedestrian	Bruce Rd Class 1	From HWY 32 to Remington Dr. Class 1 bike facility (0.65 miles)	CH-BIKE-LOCAL-2020-7	LOCAL	\$.072 million	Planned	39.7345851	-121.7952513	2025	72
105	Chico	-	RTP	Bicycle & Pedestrian	Comanche Creek Class 1 (Phase 2)	From Midway to Meyers Ind Park. Class 1 bike facility (0.55 miles)	CH-BIKE-LOCAL-2020-8	LOCAL	\$ 1.662 million	Planned	39.7123748	-121.8170107	2025	1,662
106	Chico	-	RTP	Bicycle & Pedestrian	Chico - Paradise Bikeway Project	Construct new combination Class 1 & 2 as appropriate from existing Class 1 bike path at the intersection of Honey Run and the Skyway to Paradise Memorial Path at the intersection of Skyway and Neal Rd in the Town of Paradise.	CH-BIKE-LOCAL-2020-9	Unfunded	\$20 million	Unconstrained	39.70327	-121.716641	-	20,000
107	Chico	FTIP	RTP	Capacity Increasing	Bruce Rd Bridge Replacement Project	In Chico 0.5 miles south of Humboldt Rd on Bruce Road over Little Chico Creek. Project includes replacement of an existing 2-lane functionally obsolete bridge with a new 4-lane bridge including reconstruction of bridge approaches. New bridge incorporates a class I bicycle facility.	20200000204	Local Agency funds & Future Highway Bridge Program Funds	\$ 7.9 million	Planned	39.73329216980	-121.78750441000	2022	7,900
108	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	City of Chico Bridge Preventive Maintenance Program (BPMP) Development. Staff time.	20200000056-2019-27	Highway Bridge Program & Local Agency funds	\$ 0.015 million	Programmed	39.729228	-121.837501	2026	15
109	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Vallombrosa Ave. At Big Chico Creek between 1st St and Memorial Way. Scope of the work includes rock slope protection (RSP) and scour mitigation.	20200000056-2019-28	Highway Bridge Program & Local Agency funds	\$ 0.143 million	Programmed	39.73209645760	-121.83797129100	2026	143
110	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Park Ave. At Little Chico Creek, 0.1 mile north of 11th Street. Scope of the work includes rock slope protection (RSP) and scour mitigation.	20200000056-2019-29	Highway Bridge Program & Local Agency funds	\$ 0.114 million	Programmed	39.72486445650	-121.83336532200	2026	114
111	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Warner St. At Big Chico Creek between 1st St and Legion Ave. Scope of the work includes rock slope protection (RSP) and scour mitigation, joint seal.	20200000056-2019-30	Highway Bridge Program & Local Agency funds	\$ 0.117 million	Programmed	39.72887785220	-121.84829350200	2026	117
112	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Bruce Rd. At S Fork Dead Horse Slough, just north of State Route 32. Scope of the work includes rock slope protection (RSP) and scour mitigation.	20200000056-2019-31	Highway Bridge Program & Local Agency funds	\$ 0.084 million	Programmed	39.74327807290	-121.79228837000	2026	84
113	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	E 5TH Ave. At Linda Channel, at E. Linda Ave. Scope of the work includes rock slope protection (RSP), scour mitigation and Methacrylate Deck treatment.	20200000056-2019-32	Highway Bridge Program & Local Agency funds	\$ 0.158 million	Programmed	39.75327473960	-121.82921461100	2026	158
114	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Cypress St. At Little Chico Creek between Humboldt Ave and 12th St. Scope of the work includes rock slope protection (RSP), scour mitigation and Methacrylate Deck treatment.	20200000056-2019-33	Highway Bridge Program & Local Agency funds	\$ 0.140 million	Programmed	39.72727319670	-121.82754960700	2026	140

115	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Main St. At Big Chico Creek, 0.15 mile north of 2nd St. Scope of work includes joint seals.	20200000056-2019-34	Highway Bridge Program & Local Agency funds	\$ 0.036 million	Programmed	39.73198809260	-121.84198252900	2026	36
116	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Mangrove Ave. At Lindo Channel between 10th and Cohasset. Scope of work includes spill repair joint seal and Methacrylate Deck treatment.	20200000056-2019-35	Highway Bridge Program & Local Agency funds	\$ 0.163 million	Programmed	39.75096078560	-121.84468746000	2026	163
117	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Walnut St. At Little Chico Creek between Dayton Rd and 9th St. Scope of the work includes rock slope protection (RSP), scour mitigation and Methacrylate Deck treatment.	20200000056-2019-36	Highway Bridge Program & Local Agency funds	\$ 0.131 million	Programmed	39.71840651170	-121.84340173500	2026	131
118	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Midway Rd. At Comanche Creek 0.1 mile south of Park Ave. Scope of work includes Methacrylate Deck treatment and spill repairs.	20200000056-2019-37	Highway Bridge Program & Local Agency funds	\$ 0.063 million	Programmed	39.71323923190	-121.81345199400	2026	63
119	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Longfellow Ave. At Lindo Channel between 1st and Manzanita. Scope of work includes Methacrylate Deck treatment.	20200000056-2019-38	Highway Bridge Program & Local Agency funds	\$ 0.069 million	Programmed	39.75269609480	-121.82464674900	2026	69
120	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Bruce Rd. At Little Chico Creek, 0.5 mile south of Humboldt Rd. Scope of work includes Methacrylate Deck treatment.	20200000056-2019-40	Highway Bridge Program & Local Agency funds	\$ 0.024 million	Programmed	39.73326029950	-121.78728704200	2026	24
121	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Skyway Av. At Little Chico-Butte CR DV CH, 0.4 mile northwest of Humbug Rd. Scope of work includes Methacrylate Deck treatment.	20200000056-2019-41	Highway Bridge Program & Local Agency funds	\$ 0.056 million	Programmed	39.71318403880	-121.78139265800	2028	56
122	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Forest Ave. At Little Chico Creek, just south of Humboldt Rd. Scope of work includes Methacrylate Deck treatment.	20200000056-2019-42	Highway Bridge Program & Local Agency funds	\$ 0.077 million	Programmed	39.73746029330	-121.80437450000	2028	77
123	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Manzanita Ave. At Lindo Channel between East Ave & Hooker Oak. Scope of work includes Methacrylate Deck treatment.	20200000056-2019-43	Highway Bridge Program & Local Agency funds	\$ 0.081 million	Programmed	39.76038050250	-121.80156253300	2028	81
124	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Mill St. At Little Chico Creek, 0.1 mile north of 12th St. Scope of work includes Methacrylate Deck treatment.	20200000056-2019-44	Highway Bridge Program & Local Agency funds	\$ 0.018 million	Programmed	39.72823542710	-121.82581402400	2028	18
125	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Manzanita Ave. At Big Chico Creek between Vallombrosa and Centennial. Scope of work includes Methacrylate Deck treatment.	20200000056-2019-45	Highway Bridge Program & Local Agency funds	\$ 0.053 million	Programmed	39.75823756530	-121.79585164200	2028	53
126	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Cohasset Rd. At Sycamore Creek Tributary, 0.7 mile north of Eaton Rd. Scope of repairs includes joint seals.	20200000056-2019-46	Highway Bridge Program & Local Agency funds	\$ 0.075 million	Programmed	39.78669295550	-121.84395473700	2028	75
127	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Broadway St. At Little Chico Creek just south of 9th St. Scope of work includes AC deck removal Methacrylate Deck treatment, wingwall and backwall repairs.	20200000056-2019-47	Highway Bridge Program & Local Agency funds	\$ 0.256 million	Programmed	39.72426918870	-121.83517473500	2028	256
128	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Pine St. At Little Chico Creek between Humboldt Ave and 12th St. Scope of work includes Methacrylate Deck treatment.	20200000056-2019-48	Highway Bridge Program & Local Agency funds	\$ 0.031 million	Programmed	39.727066	-121.828738	2028	31
129	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Chestnut St. At Little Chico Creek at W. 9th St. Scope of work includes Methacrylate Deck treatment.	20200000056-2019-49	Highway Bridge Program & Local Agency funds	\$ 0.041 million	Programmed	39.72274835420	-121.83829519500	2028	41
130	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Highway Safety Improvement Program (HSIP Grouped)	At the intersection at SR-89 NB On-Off Ramps/ Eaton Road / Hicks Lane. Scope is to construct a 5-leg roundabout intersection with adequate bike and pedestrian access. H8-03-003:	20200000070-2019-3	Highway Safety Improvement Program and Local Agency Funds	\$ 5.8 million	Programmed	39.77442173580	-121.87325013300	2021	5,800
131	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Highway Safety Improvement Program (HSIP Grouped)	Citywide systemic safety improvements including installation of improved signal hardware and countdown heads at signalized intersections, pedestrian crossings at uncontrolled locations, and upgraded intersection pavement markings at non-signalized intersections.	20200000070-2019-4	Highway Safety Improvement Program and Local Agency Funds	\$ 1.6 million	Programmed	39.722223	-121.847584	2020	1,600
132	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Ivy St. Over Little Chico Creek between 9th & 11th Streets. Rehabilitate and widen the existing 2 lane bridge to a full width 2 lanes with shoulders. Bridge No. 12C0279.	20200000056-2019-24	Highway Bridge Program & Local Agency funds	\$ 2.1 million	Programmed	39.720437	-121.839023	2026	2,100
133	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Pomona Rd. Over Little Chico Creek, 0.4 mile south east of Miller Ave. Replace the existing 2 lane bridge, without adding lane capacity. Bridge No. 12C0328, Project #5037(024) , 5037(036)	20200000056-2019-25	Highway Bridge Program funds	\$ 4.2 million	Programmed	39.716278	-121.845316	2024	4,200
134	Chico	FTIP	RTP	Maintenance, Operations, and Safety	Local Highway Bridge Program (HBP Grouped)	Salem Street. Over Little Chico Creek, 0.1 mile north of 10th St. Rehabilitate functionally obsolete 2 lane bridge. No Added Lane capacity. Bridge No. 12C0336.)	20200000056-2019-26	Highway Bridge Program funds	\$ 4.3 million	Programmed	39.723865	-121.836298	2024	4,300
135	Chico	FTIP	RTP	Capacity Increasing	Gwynn Rd over Lindo Channel Bridge Project	Project is located just north of W Lindo Ave. Replace the existing 1 lane structurally deficient bridge with a new 2 lane bridge. Bridge No 12C0066	20200000108	Highway Bridge Program funds	\$ 5.3 million	Programmed	39.743577	-121.875911	2024	5,300
136	Chico	-	RTP	Capacity Increasing	Bruce Rd. Widening	From Skyway to SR 32, widen Roadway (Bridge included as separate project)	Nexus 601	Nexus	13.4 million	Planned	39.735734	-121.787549	2022	13,400
137	Chico	-	RTP	Capacity Increasing	Commerce Court Connection	From Ivy Street to Park Ave, connect existing Commerce Ct. to Park Avenue via Westfield Lane.	Nexus 602	Nexus	\$1.3 million	Planned	39.714665	-121.821262	2030	1,300

138	Chico	-	RTP	Capacity Increasing	E. 20th Street Widening	From Forest Avenue to Bruce Road. Widen from 1 lane per direction to 2 lanes per direction with median	Nexus 603	Nexus	\$3.1 million	Planned	39.72668	-121.79093	2030	3,100
139	Chico	-	RTP	Capacity Increasing	W Eaton Rd	From SR 32 to Catherine Ct. Construct new alignment. 2 lane expressway and bridge - RR crossing	Nexus 604	Unfunded	\$53.7 million	Unconstrained	39.767736	-121.895329		53,700
140	Chico	-	RTP	Capacity Increasing	W Eaton Rd	Catherine Ct to Esplanade. New road connection	Nexus 605	Unfunded	\$6.2 million	Unconstrained	39.768044	-121.892287		6,200
141	Chico	-	RTP	Capacity Increasing	Eaton Rd Widening	From Hicks Lane to Cohasset. Widen and extend to 4 lanes with median and new bridge at Sycamore Creek Tributary	Nexus 606	Nexus	\$22 million	Planned	39.775819	-121.850732	2040	22,000
142	Chico	-	RTP	Capacity Increasing	Eaton Rd Widening	From Cohasset to Manzanita. Widen to 4 lanes with median	Nexus 607	Nexus	\$14 million	Planned	39.776639	-121.836573	2040	14,000
143	Chico	-	RTP	Capacity Increasing	Esplanade Widening	Shasta Avenue to Nord Highway. Widen to 4 lanes with median	Nexus 608	Nexus	\$6.5 million	Planned	39.774761	-121.879392	2030	6,500
144	Chico	-	RTP	Capacity Increasing	Mariposa Ave Connection	From Glenshire Lane to Eaton Road, add new arterial connection. 1 lane per direction	Nexus 609	Nexus	\$1.8 million	Planned	39.768898	-121.824733	2021	1,800
145	Chico	-	RTP	Capacity Increasing	Fair Street / Park Avenue Connection	From Fair St to Park Ave. Extend E. 23rd St. /Silver Dollar Pkwy thru "wedge" to connect to Commerce Ct. Connection	Nexus 611	Unfunded	\$.970 million	Unconstrained	39.717482	-121.816845		970
146	Chico	-	RTP	Capacity Increasing	Holly Avenue / Warner Avenue Connection	From Capshaw Ct. to Fuchsia Way. Construct new 2 lane connector	Nexus 612	Unfunded	\$ 2.580 million	Unconstrained	39.743452	-121.860312		2,580
147	Chico	-	RTP	Capacity Increasing	Ivy Street	From Hazel St to Meyers St. Construct new 2 lane connector	Nexus 613	Unfunded	\$7.13 million	Unconstrained	39.718112	-121.836346		71,300
148	Chico	-	RTP	Capacity Increasing	Yosemite Drive	From SR 32 to Humboldt Rd. Construct new 2 lane connection	Nexus 614	Unfunded	\$5.820 million	Unconstrained	39.742854	-121.779237	-	5,820
149	Chico	-	RTP	Capacity Increasing	Notre Dame Boulevard Connection	From Little Chico Creek to E. 20th Street. Construct new 2 lane street and bridge at Little Chico Creek	Nexus 615	Nexus	\$7.850 million	Planned	39.735091	-121.795548	2025	7,850
150	Chico	-	RTP	Capacity Increasing	Silver Dollar Way Extension	From MLK Parkway to Fair St. Connect exist road stubs	Nexus 616	Unfunded	\$2.76 million	Unconstrained	39.718602	-121.811009	-	2,760
151	Chico	-	RTP	Capacity Increasing	Midway Widening	From Hagan Lane to Park Ave. Widen road from 2 lanes to 4 lanes with a median	Nexus 617	Nexus	\$5.66 million	Planned	39.711297	-121.811545	2025	5,660
152	Chico	-	RTP	Maintenance, Operations, and Safety	Skyway Improvements	From SR 99 to Bruce Rd. Corridor enhancements	Nexus 618	Nexus	\$4 million	Planned	39.714953	-121.793639	2028	4,000
153	Chico	-	RTP	Maintenance, Operations, and Safety	Bruce Road/Sierra Sunrise Terrace	New Traffic Signal	Nexus 620	Nexus	\$.28 million	Planned	39.743639	-121.792375	2025	280
154	Chico	-	RTP	Maintenance, Operations, and Safety	E. 1st Ave / Mangrove Ave	Turn lane capacity expansion, storage length expansion, channelization improvements, pedestrian safety due to increased traffic volumes.	Nexus 621	Nexus	\$.250 million	Planned	39.741213	-121.837805	2028	250
155	Chico	-	RTP	Maintenance, Operations, and Safety	East 20th Street/MLK	Intersection capacity and queuing storage enhancements consistent with adjacent interchange improvements.	Nexus 622	Nexus	\$1 million	Planned	39.724933	-121.812321	2028	1,000
156	Chico	-	RTP	Maintenance, Operations, and Safety	East Avenue/Cactus	New Traffic Signal	Nexus 623	Nexus	\$.35 million	Planned	39.761194	-121.810509	2028	350
157	Chico	-	RTP	Maintenance, Operations, and Safety	East Avenue/ Cohasset Road	Turn lane capacity expansion, storage length expansion, channelization improvements, pedestrian safety due to increased traffic volumes.	Nexus 624	Nexus	\$.250 million	Planned	39.760867	-121.843452	2028	250
158	Chico	-	RTP	Maintenance, Operations, and Safety	East Avenue / Esplanade	Turn lane capacity expansion, storage length expansion, channelization improvements, pedestrian safety due to increased traffic volumes.	Nexus 625	Nexus	\$.250 million	Planned	39.756717	-121.861365	2028	250
159	Chico	-	RTP	Maintenance, Operations, and Safety	Esplanade /DeGarmo Drive	New Traffic Signal	Nexus 626	Nexus	\$.245 million	Planned	39.7765	-121.881213	2028	245
160	Chico	-	RTP	Maintenance, Operations, and Safety	Esplanade / Henshaw	New Traffic Signal	Nexus 627	Nexus	\$.245 million	Planned	39.759577	-121.864226	2028	245

161	Chico	-	RTP	Maintenance, Operations, and Safety	Esplanade / Rio Lindo	New Traffic Signal	Nexus 628	Nexus	\$21 million	Planned	39.752625	-121.857275	2028	210
162	Chico	-	RTP	Maintenance, Operations, and Safety	Humboldt Rd / Norte Dame	New Traffic Signal	Nexus 629	Nexus	\$.315 million	Planned	39.739108	-121.799494	2028	315
163	Chico	-	RTP	Maintenance, Operations, and Safety	Manzanita/ Madrone	Roundabout (within existing ROW)	Nexus 630	Nexus	\$.404 million	Unconstrained	39.758256	-121.815292	2031	404
164	Chico	-	RTP	Maintenance, Operations, and Safety	Manzanita/Mariposa	Roundabout (within existing ROW)	Nexus 631	Nexus	\$1.91 million	Planned	39.753125	-121.824391	2025	1,910
165	Chico	-	RTP	Maintenance, Operations, and Safety	Park Avenue MLK	Turn lane capacity expansion, storage length expansion, channelization improvements, pedestrian safety due to increased traffic volumes.	Nexus 632	Nexus	\$.7 million	Planned	39.714784	-121.807117	2026	700
166	Chico	-	RTP	Maintenance, Operations, and Safety	Skyway/Carmichael Drive-Country Club	Turn lane capacity expansion, storage length expansion, channelization improvements, pedestrian safety due to increased traffic volumes.	Nexus 633	Nexus	\$.25 million	Planned	39.714782	-121.805311	2028	250
167	Chico	-	RTP	Maintenance, Operations, and Safety	Skyway/Potter Road	New Traffic Signal (Bike Trail)	Nexus 634	Nexus	\$.25 million	Planned	39.71316	-121.777897	2028	250
168	Chico	-	RTP	Capacity Increasing	West Park Extension	Extension from Midway to Otterson Dr (Bridge at creek)	Nexus 635	Unfunded	\$9.39 million	Unconstrained	39.711923	-121.81609	-	9,390
169	Chico	-	RTP	Maintenance, Operations, and Safety	Eaton Rd/ Floral Ave	2-Lane Roundabout	Nexus 636	Nexus	\$1.62 million	Planned	39.769393	-121.829476	2028	1,620
170	Chico	-	RTP	Maintenance, Operations, and Safety	Eaton Rd/ Ceanothus Ave	1-Lane Roundabout	Nexus 637	Nexus	\$1.16 million	Unconstrained	39.769551	-121.819947		1,160
171	Chico	-	RTP	Maintenance, Operations, and Safety	Cohasset Rd Widening	Widen Roadway to include left turn lanes and flatten curves between and including Airpark Blvd, and Two Oaks Drive	Nexus 638	Nexus	\$3.7 million	Unconstrained	39.796716	-121.845171		3,700
172	Chico	-	RTP	Maintenance, Operations, and Safety	Otterson/ Hegan Operational Improvements	operational flow improvements (traffic signals or roundabouts)	Nexus 640	Nexus	\$.32 million	Planned	39.704656	-121.815955	2026	320
173	Chico	-	RTP	Maintenance, Operations, and Safety	Park / E Park Ave Operational Improvements	operational flow improvements (traffic signals or roundabouts)	Nexus 617-02	Various	\$6 million	Planned	39.713964	-121.813956	2030	6,000
174	Chico	-	RTP	Capacity Increasing	SR 99 Auxiliary Lanes	From Skyway to E. 20th Street. Construct auxiliary lanes to the outside	Nexus 701	Unfunded	\$11.5 million	Unconstrained	39.720287	-121.804719	-	11,500
175	Chico	-	RTP	Capacity Increasing	SR 99 Auxiliary Lanes	E. 20th to SR 32. Construct auxiliary lanes to the outside. CP 18057	Nexus 702	Unfunded	\$11 million	Unconstrained	39.731426	-121.813253	-	11,000
176	Chico	-	RTP	Capacity Increasing	SR 99 Auxiliary Lanes	E. 1st to Cohasset Rd. Construct auxiliary lanes to the outside	Nexus 703	Unfunded	\$40 million	Unconstrained	39.750305	-121.838105	-	40,000
177	Chico	-	RTP	Capacity Increasing	SR 32 Widening 3	From El Monte to Bruce Rd. Widen from 2 to 4 lanes.	Nexus 706	Unfunded	\$2 million	Planned	39.741256	-121.795333	-	2,000
178	Chico	-	RTP	Capacity Increasing	SR 32 Widening 4	From Bruce Rd to Yosemite. Widen from 2 to 4 lanes with signal at Yosemite.	Nexus 707	Unfunded	\$4 million	Planned	39.743513	-121.785781	-	4,000
179	Chico	-	RTP	Bicycle & Pedestrian	SR 32 (Nord Avenue) Improvements	From W. Lindo Ave to W. 1st Street. Corridor Improvements (traffic flow improvements, bike lanes, ped crossings) per specific plan	Nexus 708	Unfunded	\$15 million	Unconstrained	39.729442	-121.856128	-	15,000
180	Chico	-	RTP	Maintenance, Operations, and Safety	SR 32 (W. 8th St) at UPRR	Overpass, highway over railroad with reinforced earth retaining walls.	Nexus 709	Unfunded	\$25 million	Unconstrained	39.720867	-121.843582	-	25,000
181	Chico	-	RTP	Capacity Increasing	SR 99 - Eaton Interchange	Widen overpass structure and ramps, construct dual lane roundabouts	Nexus 710	Unfunded	\$22 million	Planned	39.774467	-121.873309	-	22,000
182	Chico	-	RTP	Capacity Increasing	SR 99 / Cohasset Road Interchange	Construct Southbound direct on-ramp	Nexus 711	Unfunded	\$11 million	Planned	39.753683	-121.844716	-	11,000

[illegible]

Butte County Association of Governments - Federal Transportation Improvement Program (Dollars in Whole)

DIST: 03	PPNO: 3202	EA:	CTIPS ID: 102-0000-0234	TITLE (DESCRIPTION): North Esplanade Reconstruction Project (Widening and improving the Esplanade Corridor between Nord Highway and Eaton Road with multi-modal "Complete Streets" from two to four lanes, with bicycle, pedestrian, and transit improvements. RIP funds to be used for non-motorized elements of the project.) 2020 RTP/SCS Appendix 10-11 Project #143.	MPO Aprv: State Aprv: Federal Aprv:
CT PROJECT ID:			MPO ID.:		EPA TABLE II or III EXEMPT CATEGORY
COUNTY: Butte County	ROUTE:		PM:		

IMPLEMENTING AGENCY: Chico, City of
PROJECT MANAGER: Tracy R Bettencourt

PHONE: (530) 879-6903

EMAIL: tracy.bettencourt@chicoca.gov

PROJECT VERSION HISTORY (Printed Version is Shaded)

(Dollars in whole)

Version	Status	Date	Updated By	Change Reason	Amend No.	Prog Con	Prog RW	PE
1	Active	06/16/2022	IGARCIA	Adoption - Carry Over	0	9,250,000	1,050,000	1,900,000

* RIP - Regional Improvement Program		<u>PRIOR</u>	<u>22-23</u>	<u>23-24</u>	<u>24-25</u>	<u>25-26</u>	<u>26-27</u>	<u>27-28</u>	<u>BEYOND</u>	<u>TOTAL</u>
* Fund Source 1 of 2	PE									
* Fund Type: National Hwy System	RW									
	CON				5,000,000					5,000,000
* Funding Agency: Butte County Association of Governments	Total:				5,000,000					5,000,000

* Local Funds - Locally Generated Funds		<u>PRIOR</u>	<u>22-23</u>	<u>23-24</u>	<u>24-25</u>	<u>25-26</u>	<u>26-27</u>	<u>27-28</u>	<u>BEYOND</u>	<u>TOTAL</u>
* Fund Source 2 of 2	PE	400,000	1,500,000							1,900,000
	RW			1,050,000						1,050,000
* Fund Type: City Funds	CON				4,250,000					4,250,000
* Funding Agency: Chico, City of	Total:	400,000	1,500,000	1,050,000	4,250,000					7,200,000

Project Total:		<u>PRIOR</u>	<u>22-23</u>	<u>23-24</u>	<u>24-25</u>	<u>25-26</u>	<u>26-27</u>	<u>27-28</u>	<u>BEYOND</u>	<u>TOTAL</u>
	PE	400,000	1,500,000							1,900,000
	RW			1,050,000						1,050,000
	CON				9,250,000					9,250,000
	Total:	400,000	1,500,000	1,050,000	9,250,000					12,200,000

Comments:

***** Version 1 - 06/16/22 *****
Project data transfered from 2022 STIP.
***** VERSION 1 - 05/09/2022 *****
***** RTIP Version 1 - 02/03/2022 *****
Adoption new project. ? cp

PM Conformity Hot Spot Analysis Project Summary Form for Interagency Consultation

The purpose of this form is to provide sufficient information to allow the Interagency Consultation Review (ICR) group to determine if a transportation project requires a project-level PM 2.5 hot spot analysis pursuant to Federal Conformity Regulations.

The form is not required under the following circumstances:

1. The project sponsor determines that a project-level PM 2.5 hot spot analysis is required or otherwise elects to perform the analysis; or
2. The project does not require a project-level PM hot spot analysis since it:
 - a. Is exempt pursuant to 40 CFR 93.126 (see Attachment #1); or
 - b. Is a traffic signal synchronization project under 40 CFR 93.128; or
 - c. Uses no Federal funds AND requires no Federal approval under Title 23 U.S.C. or the Federal Transit Laws; or
 - d. Is located in a Federal PM attainment area (see attached map).

Projects other than those listed above may or may not need a project-level PM hot spot analysis depending on whether it is considered a "Project of Air Quality Concern" (POAQC), and should be brought before the ICR for a determination.

It is the responsibility of the project sponsor to ensure that the form is filled out completely and provides a sufficient level of detail for the ICR to make an informed decision on whether or not a project requires a project-level PM hot spot analysis. For example, the ICR will be reviewing the effects of the project, and thus part of the required information includes build/no build traffic data. It is also the responsibility of the project sponsor to ensure a representative is available to discuss the project at the ICR meeting if necessary.

Instructions:

- 1) Fill out form in its entirety. Enter information in gray input fields.**
- 2) Be sure to include the CTIPS ID# from the latest FTIP. See <http://www.bcag.org/Planning/FTIP/index.html> for latest FTIP document.**
- 3) Submit completed form to BCAG Regional Analyst, Brian Lasagna, at blasagna@bcag.org.**

The ICR meets as necessary at the BCAG offices located at 326 Huss Drive, Suite 150, Chico, CA 95928. Participation is also available via teleconference, a call-in number and pass-code will be distributed along with the agenda.

REFERENCE

Criteria for Projects of Air Quality Concern (40 CFR 93.123(b)(1)) – PM 2.5 Hot Spots

- (i) New or expanded highway projects that have a significant number of or significant increase in diesel vehicles;
- (ii) Projects affecting intersections that are at Level-of-Service D, E, or F with a significant number of diesel vehicles, or those that will change to Level-of-Service D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project;
- (iii) New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location;
- (iv) Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location; and
- (v) Projects in or affecting locations, areas, or categories of sites which are identified in the PM10 or PM2.5 applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

Links to more information:

<http://www.fhwa.dot.gov/environment/conform.htm>

<http://www.epa.gov/otaq/stateresources/transconf/index.htm>

TABLE 1
Type of Project

- | |
|---|
| <ul style="list-style-type: none">• New state highway• Change to existing state highway• New regionally significant street• Change to existing regionally significant street• New interchange• Reconfigure existing interchange• Intersection channelization• Intersection signalization• Roadway realignment• Bus, rail, or inter-modal facility/terminal/transfer point• Truck weight/inspection station• At or affects location identified in the SIP as a site of actual or possible violation of NAAQS (<i>currently not applicable to Butte County region</i>) |
|---|

Project Summary for Interagency Consultation

CTIPS ID# <i>(required)</i> 102-0000-0234				
ICR Consideration Date <i>(requested timeframe)</i> December 2023				
Project Description <i>(clearly describe project)</i> The North Esplanade Reconstruction Project includes rebuilding Esplanade between Nord Highway and Eaton Road (approximately 3,500 linear feet) to rehabilitate the existing road surface, widen the road to include two (2) 12' wide lanes in each direction, a 12' wide two-way center left turn lane, and 5' wide Class II bike lanes. The Project will include curb, gutter and 6' wide sidewalks with curb-separated landscaped parkstrips where there are current gaps in those facilities along each side of the roadway. In addition, raised landscaped medians will be installed within the Esplanade, except where there will be limited left turn movements. (Full Project description is included as attachment 2)				
Type of Project <i>(use Table 1 on page 2)</i> Change to existing regionally significant street (widening from two to four lanes)				
County Butte	Narrative Location/Route & Postmiles Esplanade Corridor between Eaton Road and the northerly curb returns of the Leora Court/Nord Highway intersection Caltrans Projects – EA# N/A			
Lead Agency: City of Chico				
Contact Person Tracy Bettencourt	Phone# (530) 879-6903	Fax#	Email Tracy.bettencourt@chicoca.gov	
Federal Action for which Project-Level PM Conformity is Needed <i>(check appropriate box)</i>				
<input checked="" type="checkbox"/> Categorical Exclusion (NEPA)	<input type="checkbox"/> EA or Draft EIS	<input type="checkbox"/> FONSI or Final EIS	<input type="checkbox"/> PS&E or Construction	<input type="checkbox"/> Other
Scheduled Date of Federal Action:				
NEPA Delegation – Project Type <i>(check appropriate box)</i>				
<input type="checkbox"/> Exempt	<input checked="" type="checkbox"/> Section 6004 – Categorical Exemption		<input type="checkbox"/> Section 6005 – Non-Categorical Exemption	
Current Programming Dates <i>(as appropriate)</i>				
	PE/Environmental	ENG	ROW	CON
Start	2022		2023	2024
End	2023		2024	2025

Project Summary for Interagency Consultation

Project Purpose and Need (Summary): *(attach additional sheets as necessary)*

Purpose

The purpose of the Project is to widen and improve the Esplanade Corridor between Nord Highway and Eaton Road from two to four lanes and to include bicycle, pedestrian, and transit improvements. It will serve as the primary corridor in the area with a variety of commercial, residential, and public uses, including an elementary school, and the 35-acre DeGarmo Community Park, located adjacent to the roadway. Since other portions of Esplanade have been constructed or are currently underway to include these improvements, this Project would essentially close the gap in this area of Chico based on the needs of the Northwest Chico Specific Plan.

Need

This section of Esplanade is part of the Northwest Chico Specific Plan which identifies the roadway as a four-lane facility with "Complete Street" components including sidewalks, bicycle, pedestrian, and transit features. The Northwest Chico Specific Plan residential, commercial, and mixed-use developments are in various stages of installation and this section of Esplanade is currently lacking these "Complete Street" facilities. This Project is needed to include the pedestrian and multimodal aspects needed in this area of Chico based on the Northwest Chico Specific Plan. These improvements would close the gap in the corridor.

Surrounding Land Use/Traffic Generators *(especially effect on diesel traffic)*

Surrounding Land Use: single and multi-family residential, secondary open space, public facilities and services, and commercial.

Opening Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility

Opening Year (2025) Build - LOS:C, AADT: 14,663, Trucks: 4.5% and 660, Truck AADT: 660

Opening Year (No Build) - LOS: F, AADT: 14,663, Trucks: 4.5% and 660, Truck AADT: 660

RTP Horizon Year / Design Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility

RTP Horizon Year/Design Year (Build) - LOS:C, AADT: 17,787, Trucks: 4.5% and 800, Truck AADT: N/A

RTP Horizon Year/Design Year (No Build) - LOS:F, AADT: 17,787, Trucks: 4.5% and 800, Truck AADT: N/A

Project Summary for Interagency Consultation

Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT

RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT

Describe potential traffic redistribution effects of congestion relief *(impact on other facilities)*

No traffic volume increases are anticipated to occur under the Build Alternative when compared to the No Build Alternative. Therefore, proposed Project would not result in an increase in operational emissions, and there would be no long-term air quality effects

Comments/Explanation/Details *(attach additional sheets as necessary)*

See attachment 2 for a detailed explanation as to why the Project is not considered a POAQC for PM2.5

ATTACHMENT #1

Criteria for Exempt Projects (40 CFR 93.126(table 2)) – PM 2.5 Hot Spots

Safety

- Railroad/highway crossing.
- Projects that correct, improve, or eliminate a hazardous location or feature.
- Safer non-Federal-aid system roads.
- Shoulder improvements.
- Increasing sight distance.
- Highway Safety Improvement Program implementation.
- Traffic control devices and operating assistance other than signalization projects.
- Railroad/highway crossing warning devices.
- Guardrails, median barriers, crash cushions.
- Pavement resurfacing and/or rehabilitation.
- Pavement marking.
- Emergency relief (23 U.S.C. 125).
- Fencing.
- Skid treatments.
- Safety roadside rest areas.
- Adding medians.
- Truck climbing lanes outside the urbanized area.
- Lighting improvements.
- Widening narrow pavements or reconstructing bridges (no additional travel lanes).
- Emergency truck pullovers.

Mass Transit

- Operating assistance to transit agencies.
- Purchase of support vehicles.
- Rehabilitation of transit vehicles¹.
- Purchase of office, shop, and operating equipment for existing facilities.
- Purchase of operating equipment for vehicles (e.g., radios, fareboxes, lifts, etc.).
- Construction or renovation of power, signal, and communications systems.
- Construction of small passenger shelters and information kiosks.

- Reconstruction or renovation of transit buildings and structures (e.g., rail or bus buildings, storage and maintenance facilities, stations, terminals, and ancillary structures).
- Rehabilitation or reconstruction of track structures, track, and trackbed in existing rights-of-way.
- Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet¹.
- Construction of new bus or rail storage/maintenance facilities categorically excluded in 23 CFR part 771.

Air Quality

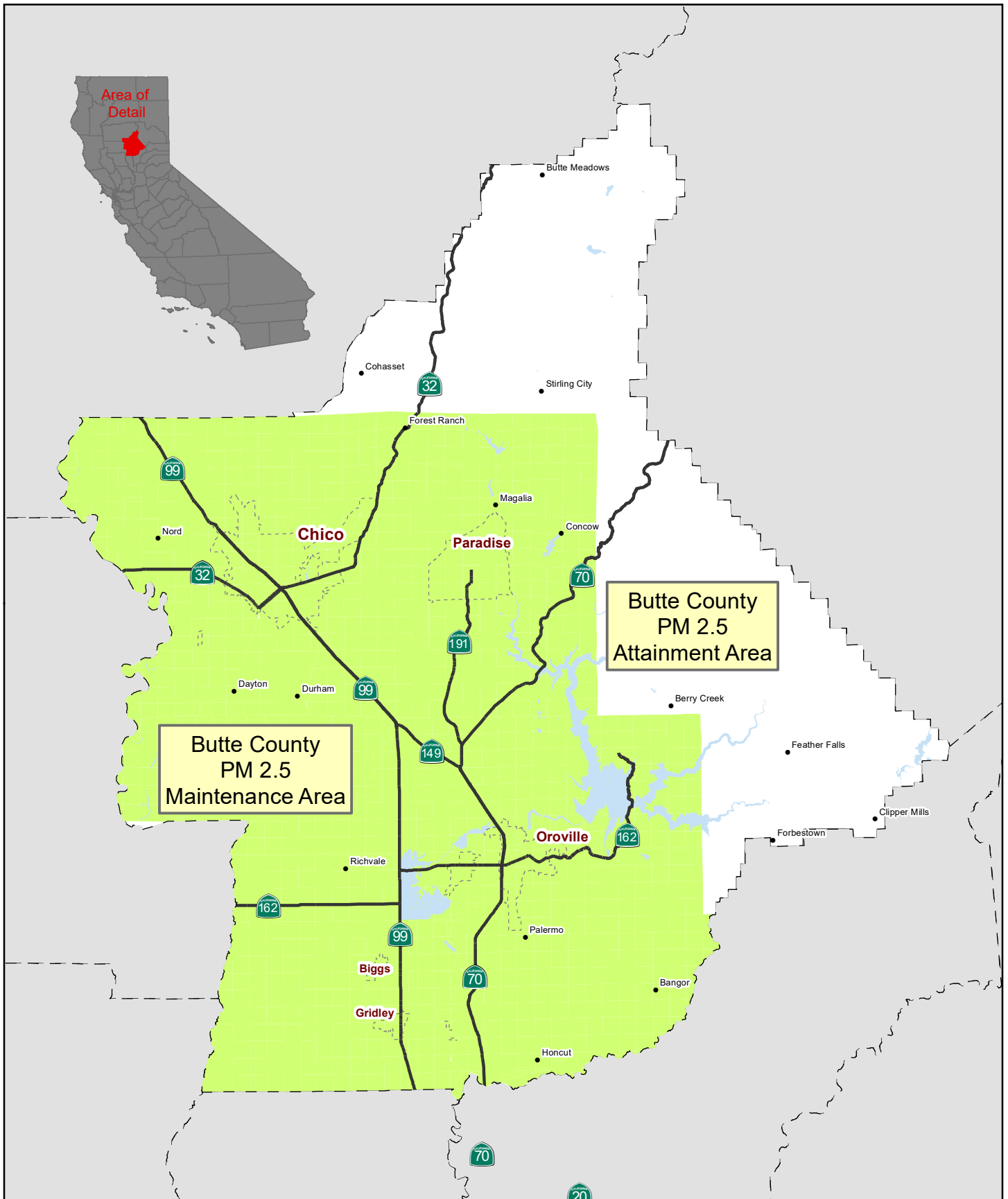
- Continuation of ride-sharing and van-pooling promotion activities at current levels.
- Bicycle and pedestrian facilities.

Other

- Specific activities which do not involve or lead directly to construction, such as:
- Planning and technical studies.
- Grants for training and research programs.
- Planning activities conducted pursuant to titles 23 and 49 U.S.C.
- Federal-aid systems revisions.
- Engineering to assess social, economic, and environmental effects of the proposed action or alternatives to that action.
- Noise attenuation.
- Emergency or hardship advance land acquisitions (23 CFR 710.503).
- Acquisition of scenic easements.
- Plantings, landscaping, etc.
- Sign removal.
- Directional and informational signs.
- Transportation enhancement activities (except rehabilitation and operation of historic transportation buildings, structures, or facilities).
- Repair of damage caused by natural disasters, civil unrest, or terrorist acts, except projects involving substantial functional, locational or capacity changes.

Note: ¹ In PM₁₀ and PM_{2.5} nonattainment or maintenance areas, such projects are exempt only if they are in compliance with control measures in the applicable implementation plan.

[62 FR 43801, Aug. 15, 1997, as amended at 69 FR 40081, July 1, 2004; 71 FR 12510, Mar. 10, 2006; 73 FR 4441, Jan. 24, 2008]



Federal PM 2.5 Maintenance Area for Butte County



ATTACHMENT #2

North Esplanade Reconstruction Project

Project Description

The City of Chico (City), in cooperation with the California Department of Transportation (Caltrans), proposes to widen and improve the Esplanade Corridor between Eaton Road and the northerly curb returns of the Leora Court/Nord Highway intersection in the City of Chico, Butte County, California.

Purpose

The purpose of the North Esplanade Reconstruction Project (Project) is to widen and improve the Esplanade Corridor between Nord Highway and Eaton Road from two to four lanes and to include bicycle, pedestrian, and transit improvements. It will serve as the primary corridor in the area with a variety of commercial, residential, and public uses, including an elementary school, and the 35-acre DeGarmo Community Park, located adjacent to the roadway. Since other portions of Esplanade have been constructed or are currently underway to include these improvements, this Project would essentially close the gap in this area of Chico based on the needs of the Northwest Chico Specific Plan.

Need

This section of Esplanade is part of the Northwest Chico Specific Plan which identifies the roadway as a four-lane facility with “Complete Street” components including sidewalks, bicycle, pedestrian, and transit features. The Northwest Chico Specific Plan residential, commercial, and mixed-use developments are in various stages of installation and this section of Esplanade is currently lacking these “Complete Street” facilities. This Project is needed to include the pedestrian and multimodal aspects needed in this area of Chico based on the Northwest Chico Specific Plan. These improvements would close the gap in the corridor.

Build Alternative

The Project includes rebuilding Esplanade between Nord Highway and Eaton Road (approximately 3,500 linear feet) to rehabilitate the existing road surface, widen the road to include two (2) 12' wide lanes in each direction, a 12' wide two-way center left turn lane, and 5' wide Class II bike lanes. The Project will include curb, gutter and 6' wide sidewalks with curb-separated landscaped parkstrips where there are current gaps in those facilities along each side of the roadway. In addition, raised landscaped medians will be installed within the Esplanade, except where there will be limited left turn movements.

Due to the new curb, gutter and sidewalks being constructed as part of this Project, storm water will be collected and routed to new drainage inlets and new storm drain pipes. The new storm drain pipes will connect to the existing storm drainage system just north of Eaton Road. The Project will require the relocation of both overhead and underground utilities found throughout the Project area where they are in conflict with the new storm drainage system and widened road. Existing overhead utility poles that can be designed around without compromising the roadway width and sidewalk will remain in place, but some utility poles will be relocated underground or outside the proposed roadway pavement, curb, and gutter.

It is anticipated that excavators, dozers, dump trucks, concrete trucks, and concrete pumps will be required to rehabilitate and widen the existing road surface. Temporary and permanent right of way acquisition will be required for construction. During construction, one lane in each direction will be maintained on Esplanade, with limited reversing single lane traffic to allow for underground trenching across the roadway. Individual driveways and side streets will be staged to minimize

the time the access is temporarily blocked. Construction will start as early as 2024 and is anticipated to last 6 months.

No Build Alternative

Under the no-build alternative, the roadway would not be widened and rehabilitated. The pedestrian environment and corridor would not be improved.

This Project is included in the 2023 Federal Transportation Improvement Program (FTIP). The Project will be primarily funded through the Regional Improvement Program, with additional funding from locally generated funds. As such, the project requires compliance with both the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA). The lead agency for NEPA compliance is Caltrans and the lead agency for CEQA compliance is the City.

Comments/ Explanation/Details

The Project is not considered a POAQC for PM_{2.5} and does not require hot-spot modeling because it does not meet the requirements, as described below.

- **New or expanded highway projects that have a significant number of or significant increase in diesel vehicles.** The proposed Project would widen and improve the Esplanade corridor from a two-lane roadway to four-lanes from the Eaton Road and the northerly curb returns of the Leora Court/Nord Highway intersection. Average daily traffic (ADT) along the Esplanade in the Project area is projected to be 14,663 under opening year (2025) conditions and 17,787 under Build and No Build design year (2045) conditions (see Table below). Heavy truck percentages represent 4.5% of total ADT and would be 660 and 800 under opening (2025) and Build and No Build design (2045) year conditions, respectively (see Table below). Implementation of the Project would not change ADT or truck volumes, relative to the No Build Alternative.
- **Projects affecting intersections that are at Level-of-Service (LOS) D, E, or F with a significant number of diesel vehicles, or those that will change to LOS D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project.** The proposed Project is intended to improve traffic flow and provide congestion relief on the Esplanade. The table below shows the Opening Year (2025) and Design Year (2045) traffic conditions on the Esplanade. The existing LOS is LOS C, which is still an acceptable LOS. Without the Project, traffic conditions would worsen, and Esplanade would change to LOS F. However, since the Project proposes to widen Esplanade, this widening would allow Esplanade to remain at LOS C. Vehicle speed is anticipated to remain the same as the posted speed limit.
- **New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location.** The proposed Project does not include the construction of a new bus or rail terminal that would have a significant number of diesel vehicles congregating at a single location.
- **Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location.** The proposed Project does not expand an existing bus or rail terminal.
- **Projects in or affecting locations, areas, or categories of sites which are identified in the PM_{2.5} and PM₁₀ applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.** The project

site is not in or affecting an area or location identified in any PM2.5 implementation plan. The immediate project area is not considered to be a site of violation or possible violation.

Based on the above analysis, the City has determined that the proposed Project is not a POAQC. Therefore, no further analysis is required.

Scenario/ Analysis Year	Location	AADT		Heavy Trucks %		Level of Service	Induced VMT/year	Average Speed
		Total	Truck	AM	PM			
Opening Year 2025 (Build)	Esplanade between Eaton Road and Nord Highway	14,663	660	4.5%	4.5%	C	0	40
Design Year 2045 (No Build)	Esplanade between Eaton Road and Nord Highway	17,787	800	4.5%	4.5%	F	0	40
Design Year 2045 (Build)	Esplanade between Eaton Road and Nord Highway	17,787	800	4.5%	4.5%	C	0	40

Source: City of Chico, 2023. Available at: <https://trafficguru.us/24Hour/CityofChico>.

Northwest Chico Specific Plan EIR, 2006. Available at: <https://chico.ca.us/post/northwest-chico-specific-plan>

From: [Brian Lasagna](#)
To: [Zach Liptak](#); [Tracy Bettencourt](#); [Jesse Hudson](#); [Sarah E. Holm](#); [Aliana Hale](#)
Cc: [adekemi.ademuyewo@dot.gov](#); [Alexander Smith](#); [Andrew Ledezma](#); [Brian Lasagna](#); [Chris Carroll](#); [Chris Devine](#); [Fong, Alexander Y@DOT](#); [Hernandez, Nicholas \(FTA\)](#); [Ivan Garcia](#); [Jason Mandly](#); [Jeffrey Buss](#); [Johnson, Antonio \(FHWA\)](#); [Kahrs, Jacqueline J@DOT](#); [Karina Oconnor](#); [Lee, Jason@DOT](#); [nesamani.kalandiyur@arb.ca.gov](#); [Perez, Idalia](#); [rodney.tavitas@dot.ca.gov](#); [shaila.chowdhury@dot.ca.gov](#); [Shannon Culbertson](#); [Stroud, Dawson@DOT](#); [YOUNT, KEVIN J@DOT](#); [Cadrett, Matthew@DOT](#)
Subject: Review Completed - ICR Consultation on Project Level PM2.5 Hot-Spot Conformity Assessment for the City of Chico - North Esplanade Reconstruction Project (CTIPS ID# 102-0000-0234) – NEPA Section 6004 Categorical Exclusion
Date: Monday, December 11, 2023 2:28:37 PM
Attachments: [Caltrans concur CTIPS 10200000234.pdf](#)
[EPA concur CTIPS 10200000234.pdf](#)

E - MEMORANDUM

DATE: December 11, 2023

TO: Project Sponsor – City of Chico

FROM: Brian Lasagna, BCAG Regional Analyst

COPY: Interagency Consultation Review (ICR) Group

SUBJECT: Review Completed - ICR Consultation on Project Level PM2.5 Hot-Spot Conformity Assessment for the City of Chico - North Esplanade Reconstruction Project (CTIPS ID# 102-0000-0234) – NEPA Section 6004 Categorical Exclusion

The purpose of this memo is to inform the project sponsor (City of Chico) that the Interagency Consultation Review (ICR) Group has completed its review of the Project Level PM2.5 Conformity Assessment of the City of Chico's - North Esplanade Reconstruction Project (CTIPS ID# 102-0000-0234) and concurs with the project sponsors recommendation that the project is not a "Project of Air Quality Concern".

Please see the attached emails provided by Caltrans and EPA stating concurrence with the project sponsors recommendation.

If you have any questions regarding the ICRs review, please feel free to contact me.

Thank you,

Brian Lasagna
Regional Analyst
Butte County Association of Governments
326 Huss Dr, Suite 150
Chico, CA 95928
Ph 530.809.4616
Fax 530.879.2444
Email blasagna@bcag.org