

# Initial Study/Negative Declaration

Tehama County Transportation Commission  
2025 Regional Transportation Plan  
Tehama County, California

December 2024

Prepared by:  
Green DOT Transportation Solutions

Prepared for:  
Tehama County Transportation Commission

*This page was intentionally left blank*

## **Introduction**

### **Project Title**

*Tehama County 2025 Regional Transportation Plan*

### **Lead Agency Name and Address**

*Tehama County Transportation Commission (TCTC)  
1509 Schwab Street  
Red Bluff, CA 96080*

### **Contact Person and Phone Number**

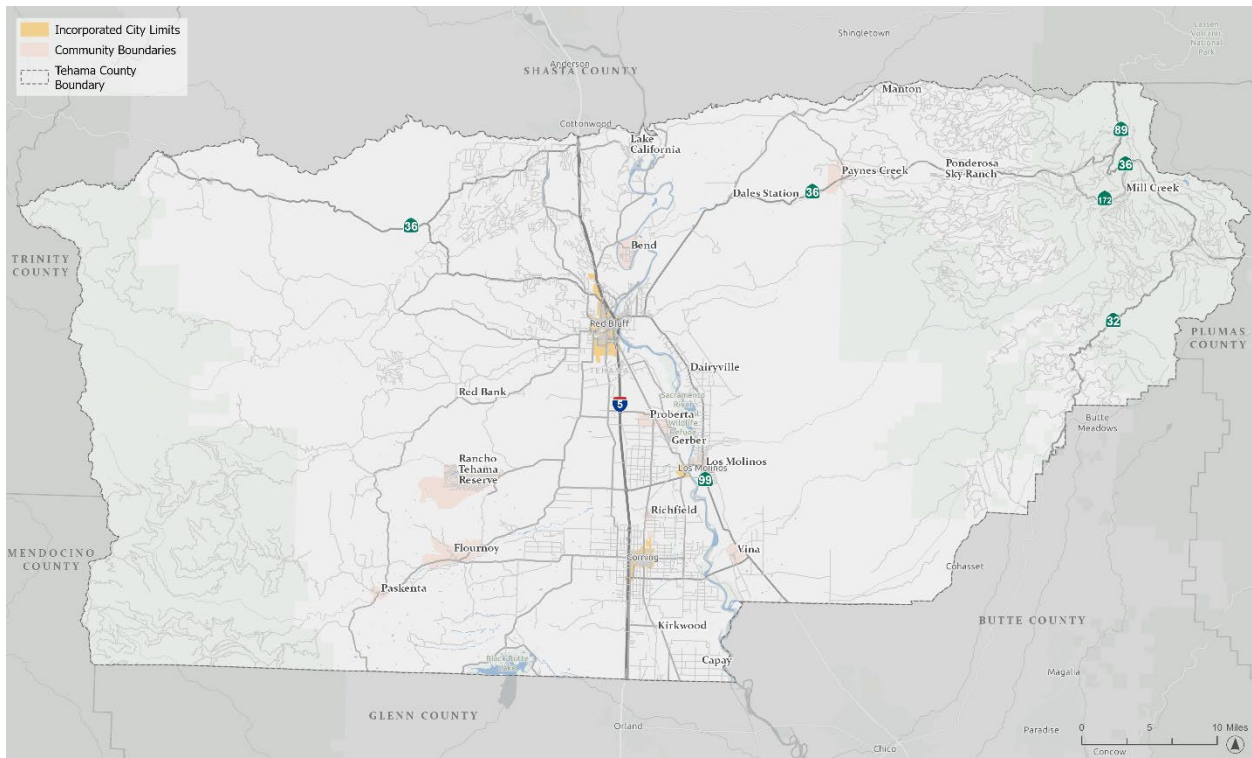
*Brittany White  
513-635-7063*

### **Project Sponsor's Name and Address**

*Tehama County Transportation Commission (TCTC)  
1509 Schwab Street  
Red Bluff, CA 96080*

### **Project Location and Setting**

Tehama County is situated in the northern Sacramento Valley, approximately halfway between Sacramento and Oregon. The western boundary of Tehama County is located in the Pacific Coast Range, and the eastern boundary is in the Cascade Mountains. Elevations range from 341 feet in Red Bluff to 9,235 feet at the peak of Brokeoff Mountain. Tehama County is bound by Shasta County to the north, Trinity and Mendocino counties to the west, Glenn and Butte counties to the south, and Plumas County to the east. Tehama County is approximately 2,950 square miles and 1,887,807 acres. The topography consists of rolling foothills, fertile valleys, flat-topped buttes, and vast rangelands. Tehama County is bisected by the Sacramento River Valley, a 20-mile-wide swath through the central portion of the county and contains large amounts of national forests in the hills and mountains to the east and west.



*Figure 1: Location Map*

## General Plan and Zoning

There are a variety of General Plan Land Use designations throughout the entire County, which includes the entire Project area. The proposed Project was designed to be consistent with the General Plan of Tehama County. The Circulation Element from the County’s General Plan was used as a reference during the development of the Tehama County 2025 Regional Transportation Plan (RTP). The proposed Project is consistent with the General Plan and does not include any proposed changes to the County’s General Plan.

## Project Description

The Tehama County Transportation Commission (TCTC) is the Regional Transportation Planning Agency (RTPA) for Tehama County. The Transportation Commission is composed of three members appointed by the Tehama County Board of Supervisors, one member each from the City Council of Corning, Red Bluff and Tehama, to be appointed by the City Council they represent, for a total membership of six appointed officials. The TCTC is established by Section 29532 of the Government Code and organized per Chapter 3, Title 21 of the California Administrative Code.

The RTPA is required by California law to adopt and submit an updated Regional Transportation Plan (RTP) to the California Transportation Commission (CTC) and to the California Department of Transportation (Caltrans) every five years. The last update to the Tehama County RTP was adopted in 2020. The planning horizon for the 2025 Tehama County RTP is 2045, with transportation improvements in the RTP identified as short-term (0-10 years) and long term (11-20 years).

The 2025 Regional Transportation Plan is considered a “Project” under CEQA, and this Initial Study is focused on the Plan as a long-term planning effort. Projects identified within the Plan will be individually evaluated under CEQA at the project level when the project is being delivered. The RTP update must be consistent with the Caltrans 2024 Regional Transportation Plan Guidelines for Regional Transportation Planning Agencies, which requires inclusion of program-level outcome-based performance measures and close ties to the Regional Transportation Improvement Program (RTIP) and the Interregional Transportation Improvement Program (ITIP).

The overall focus of the 2025 RTP is directed at developing a coordinated and balanced multimodal regional transportation system that is financially constrained to the revenues anticipated over the life of the plan. The RTP is a result of coordination between County, Caltrans, local communities, governmental resource agencies, commercial interests, and residents. Balance is achieved by considering investments and improvements for moving people and goods across all modes including roads, transit, bicycle, pedestrian, trucking, and aviation.

The State and the County are at a pivotal moment in creating a new transportation pattern integrated with land use planning. Regions across California have been asked to develop plans for more efficient land use and development to reduce vehicle miles traveled (VMT). As per Senate Bill 743, VMT data is annually reported as part of the Federal Highway Performance Monitoring System (HPMS) program. The HPMS program uses a sample-based method that combines traffic counts stratified by functional classification of roadways by volume groups to produce sample based geographic estimates of VMT. HPMS VMT estimates are considered “ground truth” by the 1990 Federal Clean Air Act Amendments (November 15, 1990). HPMS VMT estimates are used to validate baseline travel demand models and to track modeled VMT forecasts over time. HPMS VMT estimates are reported for each county by local jurisdiction, State Highway use, and other state and federal land roadways, e.g. State Parks, US Bureau of Land Management, US Forest Service, US Fish and Wildlife Service. HPMS VMT estimates are sample based. Due to smaller sampling requirements at the sub-county level of geography and in federal air quality attainment areas, desired 90/10 confidence level estimates of VMT are typically not attained in more rural areas of the state. Planners generally agree that reducing congestion, commute times, and VMT will lead to reduced carbon emissions while improving the quality of life for communities throughout California.

According to the 2020 Census, the population in the County was 65,829, an increase since the last census recording in 2010 of 63,463. The Department of Finance (DOF) County Population projections (2020-2070) anticipate population to increase to 68,717 by 2045.

### **Purpose of the Plan**

As defined by the 2024 RTP Guidelines, the purpose of the Regional Transportation Plan is to accomplish the following objectives:

- Provide an assessment of the current modes of transportation and the potential for new travel options within the region;
- Project and estimate the future needs for travel and goods movement;

- Identify and document specific actions necessary to address regional mobility and accessibility needs;
- Identify guidance and document public policy decisions by local, regional, state and federal officials regarding transportation expenditures and financing;
- Identify needed transportation improvements, in sufficient detail, to serve as a foundation for the: (a) Development of the Federal State Transportation Improvement Program (FSTIP, which includes the STIP), (b) Facilitation of the National Environmental Policy Act (NEPA)/404 integration process and (c) Identification of project purpose and need;
- Employ performance measures that demonstrate the effectiveness of the system of transportation improvement projects in meeting the intended goals;
- Promote consistency between the RTP and the California Transportation Plan 2050, as well as other plans developed by cities, counties, districts, California Tribal Governments, and State and federal agencies that respond to statewide and interregional transportation issues and needs;
- Provide a forum for: (1) participation and cooperation and (2) facilitation of partnerships that reconcile transportation issues which transcend regional boundaries;
- Involve community-based organizations as part of the public, federal, State and local agencies, California Tribal Governments, as well as local elected officials, early in the transportation planning process so as to include them in discussions and decisions on the social, economic, air quality and environmental issues related to transportation;
- Support economic vitality by enabling competitiveness, productivity, and efficiency;
- Increase the safety of the transportation system for motorized and non-motorized users;
- Increase the security of the transportation system for motorized and non-motorized users;
- Increase accessibility and mobility of people and freight;
- Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between (regional) transportation improvements and State and local planned growth and economic development patterns;
- Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
- Promote efficient system management and operation;

- Emphasize the preservation of the existing transportation system;
- Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation; and
- Enhance travel and tourism.

The development of the RTP should also correspond to Title VI of the Civil Rights Act of 1964. This ensures that all people have equal access to the transportation planning process and that all people, regardless of their race, sexual orientation, or income level will be included in the decision-making process.

### **Project Purpose and Need**

The 2024 RTP guidelines require that an RTP “provide a clearly defined justification for its transportation projects and programs.” This requirement is known as the Project Purpose and Need Statement. Caltrans’ Deputy Directive No. DD 83 describes a project’s “Need” as an identified transportation deficiency or problem, and its “Purpose” as the set of objectives that will be met to address the transportation deficiency. In the Tehama County 2025 RTP, each project by mode included in the Action Element includes a qualitative assessment of purpose and need indicating a project’s contribution to system preservation, safety, multimodal improvements, and regional and local mobility. These broader benefits capture the desired outcome of projects during the RTP period and intend to enhance and protect the overall livability for the people in Tehama County.

All projects listed in the Action Element of the RTP fall into one of the following designations. It should be noted that projects within each grouping are for the most part in random order. Consequently, the TCTC, County, and/or Caltrans may change the priority ranking or project scope during the RTP approval process.

- Short-Range: RTP improvements represent short-range projects that are fully fundable from anticipated revenue sources, referred to as “constrained”, and will normally be programmed during the first ten (0-10) years of the RTP.
- Long-Range: RTP improvements represent long-range projects that are included on the unconstrained or “unfunded” list of projects in Appendix G of the RTP and are planned for programming in the 11–20-year time frame (by the RTP horizon year, 2045).

As an update to the 2020 RTP, there are no new roadways proposed as part of this Project, the 2025 RTP. The RTP does not directly provide for the implementation of transportation projects and/or facilities. Rather, it identifies necessary improvements to provide the best possible transportation and circulation system to meet the mobility and accessibility needs of the entire county.

Due to the regional nature of the RTP, the analysis in this Initial Study focuses on those impacts that are anticipated to be potentially significant on a regional system-wide level. As individual projects near implementation, it will be necessary to undertake project-specific environmental

assessments before each project is approved and implemented. Such future environmental review will be required in accordance with CEQA and, if federally funded, NEPA. Adoption of this Initial Study/Negative Declaration and approval of the RTP does not authorize Tehama County or Caltrans to undertake construction of specific improvement projects identified in the RTP without further environmental review and consideration.

The following definitions are used in the Regional Transportation Plan:

**System Preservation** – This category of improvement indicates a project that serves to maintain the integrity of the existing system so that access and mobility are not hindered for travelers. Improvements may include bridge repairs, airport runway repairs, and upgrades to signs and traffic control devices and striping. In addition, because Tehama County is very rural and contains several small communities, a prolonged lack of maintenance funding has created “deferred maintenance” that has lapsed into a serious need to rehabilitate roadways to maintain system preservation. Rehabilitation projects are those that do not include an entire reconstruction of the roadway, but they often include overlay and/or chip seal work that are also be considered a safety improvement. Other forms of required maintenance include culvert repair and bridge rehabilitation. Most road projects identified in the RTP indicate either “rehabilitation” or “reconstruction” to maintain system preservation.

**Safety Projects** – Safety projects are meant to maintain or enhance efficiency of the roadway system while reducing the number of collisions, decreasing potential conflicts between various modes of transportation, and preventing injury or fatalities for all transportation system users. Examples of safety improvements include roadway and intersection realignments to improve sight-distance, pavement or runway resurfacing to provide for a smooth travel surface, signage to clarify traffic and aviation operations, congestion relief, obstacle removal so that traffic flows are not hindered, and improvements to pedestrian and bicycle facilities to promote safe travel to desired destinations. In addition, bridge repairs and reinforcement improve safety and efficiency. The desired outcome of safety projects is to reduce the number of collisions on the transportation system, and reduce fatalities, injuries, and damage to property and resources.

**Multi-modal Enhancement** – Multi-modal projects include improvements for alternative modes of transportation to single-occupancy vehicles including biking, walking and transit. By creating and improving facilities for people walking, biking, and taking transit, multi-modal projects are designed to enhance safety for all road users, improve connectivity and mobility, and encourage mode-shift away from single-occupancy vehicles. Examples of multi-modal projects include separated and protected bike lanes, secure bike parking, shared bike routes, sidewalks, enhanced crosswalks, transit amenities, street furnishings, wayfinding and signage.

## Regional Goals

The comprehensive goals, objectives, and policies that have been developed for this RTP meet the needs of the region and are consistent with the County’s regional vision and priorities for action, which set the framework for carrying out the roles and responsibilities of the TCTC and assist them in their decision-making process for transportation investment. These objectives are intended to guide the development of a transportation system that is balanced, multi-modal, and

will maintain and improve the quality of life in Tehama County.

Tehama County Regional Goals:

Goal 1: Maintain a safe, efficient, roadway system.

Goal 2: Encourage a safe and convenient non-motorized transportation system.

Goal 3: Support an effective and accessible public transportation system.

Goal 4: Promote aviation facilities.

Goal 5: Encourage improvement to rail services.

Goal 6: Ensure sensitivity to the environment in all transportation decisions.

Goal 7: Include state climate change strategies in transportation investment decisions.

Goal 8: Ensure that Tribal residents within the Tehama region have safe, effective, functional transportation systems, including streets, roads pedestrian and bicycle facilities and transit.

### **Other Public Agencies Whose Approval Is Required (e.g., Permits, etc.)**

Tehama County is the Lead Agency for the proposed Project (2025 Regional Transportation Plan) pursuant to the California Environmental Quality Act (CEQA), Section 15050. No permits are required to approve the proposed Project. Future permit approvals will vary on a project-level basis for projects included in the Action Element of the RTP and may include, but are not necessarily limited to coordination with: City of Red Bluff, Corning, and Tehama, Native American Tribes, Caltrans, CA Department of Fish and Wildlife, Regional Water Quality Control Board, Bureau of Reclamation, Bureau of Land Management, US Army Corps of Engineers, US Fish and Wildlife Service, Federal Highway Administration, Federal Aviation Administration, and the California Transportation Commission.

Pursuant to PUC 21080.3.1 and AB 52, TCTC consulted with Native American Tribes traditionally and culturally affiliated with Tehama County. TCTC requested a consultation list of tribes located within Tehama County from the Native American Heritage Commission. TCTC sent letters to each tribe requesting input on regional transportation needs as well to begin formal consultation. Tribes were also personally invited to the public hearing on the RTP and provided with a copy of the Draft RTP. To date, no tribes have responded.

## Environmental Factors Potentially Affected

None of the environmental factors listed below would be potentially affected by this Project, as described on the following pages.

Aesthetics	Agriculture Resources	Air Quality
Biological Resources	Cultural Resources	Geology/Soils
Greenhouse Gas Emissions	Hazards & Hazardous Materials	Hydrology/Water Quality
Land Use/Planning	Mineral Resources	Noise
Population/Housing	Public Services	Recreation
Transportation/Traffic	Utilities/Service Systems	Tribal Cultural Resources
Wildfire	Mandatory Findings of Significance	

## Determination

On the basis of this initial evaluation:

x	I find that the proposed Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
	I find that although the proposed Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the Project have been made by or agreed to by the Project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
	I find that the proposed Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
	I find that the proposed Project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
	I find that although the proposed Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed Project, nothing further is required.

---

Jessica Riske-Gomez, Deputy Director

---

Date

## Evaluation of Environmental Impacts

In each area of potential impact listed in this section, there are one or more questions which assess the degree of potential environmental effect. A response is provided to each question using one of the four impact evaluation criteria described below. A discussion of the response is also included.

- **Potentially Significant Impact** - This response is appropriate when there is substantial evidence that an effect might be significant and for which no mitigation has been incorporated. If there are one or more "Potentially Significant Impact" entries, upon completion of the Initial Study, an EIR is required.
- **Less than Significant with Mitigation Incorporated** - This response applies when the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact". The Lead Agency must describe the mitigation measures and briefly explain how they reduce the effect to a less than significant level.
- **Less than Significant Impact** - A less than significant impact is one which is deemed to have little or no adverse effect on the environment. Mitigation measures are, therefore, not necessary, although they may be recommended to further reduce a minor impact.
- **No Impact** - These issues were either identified as having no impact on the environment, or they are not relevant to the Project.

## Environmental Checklist

This section of the Initial Study incorporates the most current Appendix "G" Environmental Checklist Form, contained in the CEQA Guidelines. Impact questions and responses are included in both tabular and narrative formats for each of the 17 environmental topic areas.

### I. AESTHETICS – WOULD THE PROJECT:

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?			X	
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?			X	
c) Substantially degrade the existing visual character or quality of the site and its surroundings?			X	
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			X	

### DISCUSSION

Tehama County is situated in the northern Sacramento Valley, approximately halfway between Sacramento and Oregon. The western boundary of Tehama County is located in the Pacific Coast Range, and the eastern boundary is in the Cascade Mountains. Elevations range from 341 feet in Red Bluff to 9,235 feet at the peak of Brokeoff Mountain. Tehama County is bound by Shasta County to the north, Trinity and Mendocino counties to the west, Glenn and Butte counties to the south, and Plumas County to the east. Tehama County is approximately 2,950 square miles and 1,887,807 acres. The topography consists of rolling foothills, fertile valleys, flat-topped buttes, and vast rangelands. Tehama County is bisected by the Sacramento River Valley, a 20-mile-wide swath through the central portion of the county and contains large amounts of national forests in the hills and mountains to the east and west.

### RESPONSES TO CHECKLIST QUESTIONS

**Response a-d): Less than Significant.** Tehama County includes California SR-36, SR-99, SR-32, SR-172, SR-89 and I-5, County and local roadways, and several Forest Service roads. The roads expose beautiful views of the surrounding areas. The RTP as a "Project" does not propose any construction of new roadways that would affect any of these natural resources and aesthetic views. Roadway projects included in the RTP consist primarily of roadway maintenance and safety improvements. Improvements also occur on State Highways and on local roadways, which would not significantly alter the aesthetics of an area or lead to indirect population growth as a result

of access improvements into areas that are currently undeveloped. Additionally, the Project includes roadway and multimodal transportation priorities that will be pursued over the lifetime of the RTP. The projects identified within the RTP will not cause any major aesthetic changes to the Project area. Additionally, each project within the RTP will go through a specific project-level CEQA evaluation at the project level. This is a less than significant impact and no mitigation is required.

## II. AGRICULTURAL RESOURCES – WOULD THE PROJECT:

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?				X
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non- agricultural use?				X

### DISCUSSION

In Tehama County, agriculture lands are a fundamental component of the rural character, historic use, and way of life. Agriculture plays a significant role in the income and history of the County as well as in the current landscape. Agriculture provides not only local food production, but agricultural lands also make up open space and scenic vistas that are an intrinsic part of the Tehama County environment. According to the 2022 Census of Agriculture for Tehama County, there are 1,154 farms in the County making up 627,913 acres. The average farm size is 544 acres. According to the most recent 2022 Tehama County Annual Crop and Livestock Report, the gross production of agricultural commodities was estimated to be \$121 million.

Agriculture is the dominant land use in Tehama County. There are three categories of land use designations that recognize, and are associated with, agriculture: Upland Agriculture, Valley Floor Agriculture, and Timber. Agriculture has long been the backbone of Tehama County’s economy. The favorable growing season, arid climate, fertile soils, and abundance of water contribute to making Tehama County an agricultural cornucopia in the northern Sacramento Valley. Agriculture, both historically and currently, is the County’s highest income-producing industry, making it vital within the County. Agriculture contributes to Tehama County’s rural character and a lifestyle that is highly valued by its residents.

### RESPONSES TO CHECKLIST QUESTIONS

**Response a): No Impact.** Implementation of the RTP entails implementation of project-level improvements as funding permits over the 20-year lifetime of the Plan. The proposed Project would not convert any agricultural lands and would therefore have no significant impact on Prime Farmland, Unique Farmland or Farmland of Statewide importance. Therefore, there is no impact, and no mitigation is required.

**Response b): No Impact.** The RTP does not challenge any zoning or land use regulations as designated in the General Plan. The proposed Project would not result in conflicts with any Williamson Act contracts, nor would it result in the cancellation of any Williamson Act contracts. There will be no impact on the Williamson Act contract, therefore no mitigation is required.

**Response c): No Impact.** See responses a) and b) above. The Regional Transportation Plan will have no impact on agricultural resources in Tehama County.

### III. AIR QUALITY – WOULD THE PROJECT:

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?			X	
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?			X	
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?			X	
d) Expose sensitive receptors to substantial pollutant concentrations?			X	
e) Create objectionable odors affecting a substantial number of people?			X	

#### DISCUSSION

The California Air and Resources Board (CARB) divides the State into air basins and adopts standards of quality for each air basin. The North Coast Unified Air Quality Management District (NCUAQMD) is the regional government agency that works to reduce air pollution within the district. The NCUAQMD prepares plans for the attainment and maintenance of Ambient Air Quality Standards (AAQS), develops and adopts rules, enforces regulations to keep air pollution levels down, and issues permits for stationary sources of air pollution. The NCUAQMD also regulates agricultural burning, addresses citizen complaints, assesses meteorological conditions, and implements federal and state programs and regulations. The NCUAQMD works to ensure a coordinated approach in the development and implementation of transportation plans throughout the County. This coordination ensures compliance with pertinent provisions of the Federal and California Clean Air Acts, as well as related transportation legislation. Particulate matter 10 (particulate matter ten microns in diameter or less) or PM10, can come from dust, vehicles exhaust or heating mechanisms, road salt, and conifer pollen, among others. The 24-hour State standard for PM10 is 50 µg/m<sup>3</sup> and the Federal standard is 150 µg/m<sup>3</sup>.

Tehama County is located within the Sacramento Valley Air Basin and is partially classified as marginal non-attainment with ozone, PM10 and PM2, except for the Tuscan Butte area, which is classified as non-attainment with ozone. The Tehama County Air Pollution Control District's (TCAPQD) main responsibility is to achieve and maintain the NAAQS and CAAQs. In February 2023, the district adopted Rule 2:3C to be in compliance with the statutory and regulatory requirements for Nonattainment New Source Review (NNSR). CARB sets State area designations for 10 criteria pollutants (ozone, suspended particulate matter (PM10), fine suspended particulate matter (PM2.5), carbon monoxide, nitrogen dioxide, sulfur dioxide, sulfates, lead,

hydrogen sulfide, and visibility reducing particles) while the U.S. EPA sets Federal area designations for 6 criteria pollutants (ozone, PM10, PM2.5, carbon monoxide, nitrogen dioxide, and sulfur dioxide). Poor air quality is generally attributed to wildland fires, wood stoves, and open burning and not transportation conditions in Tehama County. Some projects within the RTP propose to reduce single occupancy vehicular trips, which would result in a reduction of emissions from vehicles.

## RESPONSES TO CHECKLIST QUESTIONS

**Responses a-e): Less Than Significant.** Many projects outlined within the RTP aim to reduce vehicular trips and promote alternative modes of transportation. However, some projects may have short term effects on air quality, sensitive receptors, or create odors during construction. These individual projects identified in the RTP will be subject to project-level environmental review prior to approval and construction.

In 2006, the California State Legislature adopted Assembly Bill (AB) 32 known as the California Global Warming Solutions Act (Section 38560.5 of the Health and Safety Code). The bill, and subsequent legislation (SB 375) establishes a cap on statewide greenhouse gas emissions and sets forth the regulatory framework to achieve the corresponding reduction in statewide emissions levels.

In January 2007, the Legislature asked the CTC to review the RTP guidelines to incorporate climate change emission reduction measures. The request emphasized that RTPs should utilize models that accurately measure the benefits of land use strategies aimed at reducing vehicle trips and/or trip length. The CTC staff established an RTP guidelines working group to assist in the development of “best practices” for inclusion in the RTP Guidelines. The 2024 RTP Guidelines provide several recommendations for consideration by rural RTPAs to address greenhouse gas (GHG) reductions. The following State and federal strategies have specific application to Tehama County:

- Alignment with performance measurements and asset management.
- Alignment with goals and policies for the State’s Climate Action Plan for Transportation Investments (CAPTI).
- Alignment with Planning Practice Examples in Appendix F.
- **Federal: Title 23 CFR Part 450.324(b)** requires short and long-range strategies for an integrated multimodal transportation system. **State: GC Section 65080(a)** requires that the RTP shall be directed at achieving a coordinated and balanced regional transportation system.
- **Federal: Title 23 CFR Part 450.324(b)** requires short and long-range strategies for an integrated multimodal transportation system. 23 CFR 450.325(f)(8) is an added requirement for the RTP pursuant to 23 U.S.C. 135 to include consideration of the role that intercity buses play in reducing congestion, pollution, and energy consumption. **State: GC Section 65080(a)** the RTP shall be directed at achieving a coordinated and balanced regional transportation system.
- **Federal: Title 23 CFR Part 450.324(b)** requires short and long-range strategies for an integrated multimodal transportation system to facilitate the safe and efficient

movement of people and goods. Title 23 CFR Part 450.324(f)(1) states that the RTP shall include the projected transportation demand of persons and goods in the metropolitan planning area over the period of the plan, and Title 23 CFR Part 450.324(f)(3) states that the RTP shall include operational and management strategies to improve the performance of existing transportation facilities to relieve vehicular congestion and maximize the safety and mobility of people and goods. **State: GC Section 65080(a)** requires that the RTP shall be directed at achieving a coordinated and balanced regional transportation system.

- **Federal: Title 23 U.S.C. Section 134 and Title 23 CFR Part 450.324(f)(5)** requires strategies for improving the regional transportation system and reducing congestion.
- **Federal: Title 23 CFR Part 450.206(a)(3)** states the planning process will address the security of the transportation system for the public. Title 23 CFR Part 450.216(c) states that the CTP shall reference, summarize, or contain any applicable emergency relief and disaster preparedness plans, strategies and policies that support homeland security and safeguard the personal security of all motorized and non-motorized users. RTPAs shall also comply.
- **Federal: 23 CFR 450.324(f)(7)** The RTP may consider projects and strategies that address areas or corridors where current or projected deficiencies threatens the efficient functioning of key elements of the metropolitan area's transportation system.
- **State: Public Resources Code, Section 21000, et seq.** Rural RTPAs have a unique set of challenges compared to urbanized areas to reduce regional transportation related GHG emissions. Lower land use densities, limited transit options, and higher VMT per household contribute to the challenges to reduce these emissions. More efficient vehicles and low-carbon fuels present the highest payoff for rural counties to reduce transportation related carbon dioxide emissions. Nonetheless Final 2024 Regional Transportation Plan Guidelines for RTPAs 120 rural RTPAs should strive to incorporate strategies to reduce their GHG emissions during their planning process. RTPAs that are not located within a boundary of an MPO are not subject to the provisions of SB 375, or the resultant requirements to address regional GHG targets in their RTPs. This includes the requirement to prepare a SCS to meet a regional GHG emissions reduction target. It is suggested that in preparing the environmental document for their RTP, RTPAs ensure that any GHG emissions during either construction or, as a result of the project, be addressed and mitigated, as appropriate.
- **Federal: 23 CFR 450.306; 23 CFR 450.324(f)(3) & (4); 23 CFR 450.340(e) & (f)** It is important to note that failure to consider any factor specified in the Performance- Based Approach, 23 CFR 450.306 (d), shall not be reviewable by any court under Title 23 U.S.C., 49 U.S.C. Chapter 53, Subchapter II of Title 5 U.S.C. Chapter 5, or Title 5 U.S.C. Chapter 7 in any matter affecting an RTP, TIP, a project or strategy, or the certification of a metropolitan transportation planning process. The FHWA maintains a Performance Based Planning and Programming Guidebook to help identify potential packages of strategies to achieve performance-based objectives, as well as the data and tools used to determine which strategies may be most effective, available at:[http://www.fhwa.dot.gov/planning/performance\\_based\\_planning/pbpp\\_guidebook/page06.cfm](http://www.fhwa.dot.gov/planning/performance_based_planning/pbpp_guidebook/page06.cfm)

The transportation planning literature recognizes three interrelated components that contribute to transportation emissions reductions. Those components include changes in vehicle technology (cleaner burning engines), alternative fuel sources, and vehicle use. The first two components are typically the responsibility of industry and national governmental interests. RTPAs and local governments can affect vehicle use by promoting transportation alternatives to the automobile, and by managing the demand for transportation. These efforts typically involve goals and policies and/or projects and programs focused on getting people out of their cars and into non-auto modes of travel (mode shifting).

RTPAs that are not located within the boundaries of a Metropolitan Planning Organization, which includes TCTC, are not subject to the provisions of SB 375 which require addressing regional GHG targets in the RTP and preparation of a Sustainable Communities Strategy. Future improvements to the transit system and a commitment to a future rideshare program could provide residents another alternative to driving a car.

The following RTP goals are established for Tehama County to increase safety while reducing dependence on the automobile and to promote mode shifting to other forms of transportation.

- Goal 1: Maintain a safe, efficient, roadway system.
- Goal 2: Encourage a safe and convenient non-motorized transportation system.
- Goal 3: Support an effective and accessible public transportation system.
- Goal 6: Ensure sensitivity to the environment in all transportation decisions.
- Goal 7: Include state climate change strategies in transportation investment decisions.
- Goal 8: Ensure that Tribal residents within the Tehama region have safe, effective, functional transportation systems, including streets, roads pedestrian and bicycle facilities and transit.

The effectiveness of efforts by the RTPA to provide transportation alternatives and to implement Transportation Demand Model (TDM) and Transportation System Management (TSM) policies and strategies can be measured in terms of reductions in vehicle miles traveled (VMT) or the expected growth in VMT. VMT reductions correlate directly with reductions in GHG emissions.

Caltrans reports VMT by County on an annual basis. The daily vehicle miles traveled on County roads decreased by 663 miles between 2019 and 2022, or an average of a 0.3% decrease every year. Federally maintained US Forest Service roads decreased from 354 daily VMT in 2019 to 101 daily VMT in 2022. Additionally, State Highways decreased an average of 0.4% daily VMT.

Table 2.21: Historic and Existing Vehicle Miles Travelled

<b>Table 2.22 - Historic and Existing Vehicle Miles Traveled (VMT)</b>						
Place	Lane Miles	2019 Daily VMT	2020 Daily VMT	2021 Daily VMT	2022 Daily VMT	Avg. Annual Change
City of Corning	38.03	55.91	53.48	53.97	45.85	-3.6%
City of Red Bluff	67.6	101.60	89.79	89.43	91.50	-2.0%
City of Tehama	5.94	4.06	3.95	4.06	3.73	-1.6%
Corps of Engineers	0.55	-	-	-	0.14	-
National Park Service	2.86	-	-	-	0.85	-
State Highways	206.09	1950.24	1794.61	1931.81	1914.34	-0.4%
State Park Service	8.84	0.43	0.40	0.97	0.80	17.2%
Tehama County	1125.68	468.71	462.32	515.60	462.24	-0.3%
U.S. Bureau Of Land Management	5.69	-	-	-	1.21	-
U.S. Fish And Wildlife	2.82	0.15	0.13	0.28	0.25	13.3%
U.S. Forest Service	354.27	9.88	16.89	43.96	101.95	186.4%

Source: California Public Road Data 2019-2022

Table 2.22: Forecasted Vehicle Miles Traveled

<b>Table 2.23 - Forecasted Vehicle Miles Traveled (VMT)</b>						
Place	2022 Daily VMT	Projected Growth Rate	2027 Daily VMT	2032 Daily VMT	2037 Daily VMT	2042 Daily VMT
City of Corning	45.85	-3%	39.37	33.81	29.03	24.93
City of Red Bluff	91.50	-2%	82.71	74.76	67.58	61.09
City of Tehama	3.73	-2%	3.37	3.05	2.75	2.49
Corps of Engineers	0.14	0%	-	-	-	-
National Park Service	0.85	0%	-	-	-	-
State Highways	1914.34	-1%	1820.52	1731.29	1646.44	1565.75
State Park Service	0.80	5%	1.02	1.30	1.66	2.12
Tehama County	462.24	-1%	439.59	418.04	397.55	378.07
U.S. Bureau Of Land Management	1.21	0%	-	-	-	-
U.S. Fish And Wildlife	0.25	5%	0.32	0.41	0.52	0.66
U.S. Forest Service	101.95	5%	130.12	166.07	211.95	270.50

Source: California Public Road Data 2019-2022

The Tehama County 2025 RTP recognizes that non-auto mobility options, including walking, biking and transit, require coordinated land use decisions and improved infrastructure. The goals and policies in the RTP are consistent with the County’s proposed General Plan revisions to provide a balanced multi-modal transportation system that includes non-auto choices for access and mobility. The County is committed to implementing these types of policies and strategies that reduce reliance on the automobile and contribute to the reduction of GHG emissions. Although the RTP mentions projects that will enhance the countywide transportation system, the proposed improvements would not influence VMT or population levels, nor would it significantly alter current air quality levels. As such, the proposed Project would result in less than significant impacts to air quality, and no mitigation is required.

**IV. BIOLOGICAL RESOURCES – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?			X	
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations by the California Department of Fish and Wildlife or US Fish and Wildlife Service?			X	
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?			X	
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?			X	
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?			X	
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?			X	

**DISCUSSION**

Tehama County has a very wide range of biological communities. Sensitive habitats in Tehama County include serpentine soils, rock outcrops, wetlands, lakes, rivers, vernal pools, and old growth forests. These habitats are likely to harbor special-status plant and animal species or provide the potential for these species. Riparian habitats support numerous plant, fish, and wildlife species and are considered to be a sensitive resource. Riparian vegetation provides shade, bank stabilization, sediment control, organic litter, large woody debris, nutrient control, microclimate and wildlife habitat. Riparian zones also act as a flood buffer during high water

events. All of these are required for a healthy, functioning ecosystem. Oak woodlands consist of relatively open habitats, dominated by one or more species of oaks. They occur throughout California and have a patchy distribution in the valleys and foothills of Tehama County. The County's unique geography encompasses a diversity of oak habitats, including shady riparian woodland along the Sacramento River, and extensive oak savannas in the foothills. Additionally, the oak woodlands in eastern Tehama County provide the primary winter range for California's largest migratory deer herd. The mild Mediterranean climate and abundant food provided by acorns allow many species to remain within the County year-round. Oak woodlands also provide critical wintertime habitat to migratory species that spend their summers at higher elevations. Because of these qualities, oak woodlands are determined by the Department of Fish and Game to have the richest wildlife species abundance of any habitat in California.

### *State Wildlife Action Plan*

The goals identified in the Policy Element (Chapter 3) of the RTP consider stressors identified in the State Wildlife Action Plan. The State Wildlife Action Plan (SWAP) identifies separate conservational provinces broken into subzones called ecoregions by the SWAP. Tehama County is included in the North Coast and Klamath Province.

The SWAP identifies sensitive species, habitat stressors, and suggested conservation goals and actions for each of the ecoregions in California. According to the SWAP, the major stressors within Tehama County are as follows:

- Agricultural and forestry effluents
- Airborne Pollutants
- Annual and perennial non-timber crops
- Climate change
- Commercial and industrial areas
- Dams and water management/use
- Fire and fire suppression
- Garbage and solid waste
- Household sewage and urban wastewater
- Housing and urban areas
- Industrial and military effluents
- Introduced genetic material
- Invasive plants/animals
- Livestock, farming, and ranching
- Logging and wood harvesting
- Marine and freshwater aquaculture
- Mining and quarrying
- Parasites/pathogens/diseases
- Recreational activities
- Renewable energy
- Roads and railroads

- Wood and pulp plantations

#### *Recreational activities*

The California State Wildlife Action Plan (SWAP) was not developed on a county-by-county basis. The larger region that applies to Tehama County contains some species, stressors and recommended actions that do not pertain to Tehama County as the region encompasses a larger geographic area. However, this consultation with the SWAP is mandatory and still provides relevant information. For a complete list of actions suggested for wildlife management in Tehama County, see Attachment B of the RTP.

#### *California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDDB)*

A review was performed of county-wide species using the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDDB). The information in the species list includes known occurrences and historical occurrences of species listed as threatened, endangered or otherwise protected under policies or ordinances at the local or regional level as required by the California Environmental Quality Act (CEQA, §15380). Because the RTP does not propose to expand the capacity of the existing transportation network and includes mostly reconstruction and rehabilitation projects, it is not anticipated to impact threatened or endangered species.

#### RESPONSES TO CHECKLIST QUESTIONS

**Response a-f): Less than Significant.** The proposed Project does not propose the construction of any new roadways. Rehabilitation efforts make up most projects identified in the RTP, which would not disturb any new ground as they would occur on existing roadways. Any project identified in the RTP would go through project-specific environmental review to ensure that no sensitive areas or species would be harmed. The maintenance and rehabilitation projects in Tehama County would not have an adverse effect on any candidate species identified in the SWAP, nor would it have any adverse effect on any riparian habitat, sensitive natural community or protected wetland identified in the County. The Plan would not interfere with the movement of any native resident or migratory fish or wildlife species or with any wildlife corridors. The RTP would not conflict with any local protections, nor would it conflict with any conservation plans. Therefore, the current RTP as a plan would not impact biological resources, wetland resources, or conflict with any habitat conservation plan or local ordinance protecting natural and biological resources. This is a less than significant impact and no mitigation is required.

**V. CULTURAL RESOURCES – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?			X	
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?			X	
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?			X	
d) Disturb any human remains, including those interred outside of formal cemeteries?			X	

**DISCUSSION**

Tehama County has a uniquely rich historic and prehistoric heritage. According to the Native American Heritage Commission, there are several active Native American Tribes in the area which include the following:

- Paskenta Band of Nomlaki Indians
- Greenville Rancheria
- Susanville Indian Rancheria

Each Tribal entity was contacted during the RTP development process to discuss transportation deficiencies, improvements to existing system infrastructure, and mode specific projects. Additionally, Tribes were sent AB-52 consultation letters prior to the publishing of this Initial Study. Historical Euro-American travel through the County and its later settlement are also of interest and importance to the people of Tehama County, for the County’s identity is closely related to these historical events.

A variety of Native American tribes have settled in what is now Tehama County. For example, prior to Euro-American settlement, Wintun Indian Tribes populated the upper Sacramento Valley and the foothill areas to its east. The Yana and Yahi tribes also lived most of the year along creeks to the west of Lassen Peak. Cultural resources have been found at major archaeological sites such as the “Los Molinos Vicinity – Ishi Site” in Deer Creek Canyon, and the “Sulphur Creek Archaeological District” in the Mill Creek vicinity. Both areas are listed on the Federal Register of Historic Places. In addition, excavations have uncovered several hundred prehistoric sites, including burial sites, west of the Sacramento River where the Nomlaki Tribe is known to have settled. Other tribes that may have occupied the Tehama County area include the Konkow, Maidu, Patwin, and Nisenan. Additionally, over 250 settlement sites have been identified along the Sacramento River and along river tributaries in the foothill regions of the County.

## RESPONSES TO CHECKLIST QUESTIONS

**Response a-d): Less than Significant.** The proposed Project does not entitle, propose, or otherwise require the construction of new roadways. The proposed Project includes a variety of roadway improvement projects, which consist primarily of roadway rehabilitation efforts and roadway safety improvements. The proposed Project identifies roadway and multimodal transportation improvement funding priorities that will be implemented over the next 20 years. Nearly all of the roadway projects identified in the RTP consist of rehabilitation efforts, which would occur within the roadbeds of the existing roadways and would not have the potential to impact any known or previously undiscovered cultural resources. Individual projects identified in the RTP would be subject to project-level environmental review prior to approval and construction of the improvements. This future project-level environmental review of individual projects would identify the potential for impacts to any cultural, historical, paleontological or archaeological resources including human remains or cultural artifacts. A project level environmental review is required under CEQA for each project identified in the Regional Transportation Plan and will be evaluated at that time for cultural resources. This Plan as a Project has a less than significant impact on the environment and no mitigation is required.

**VI. GEOLOGY AND SOILS – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:			X	
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			X	
ii) Strong seismic ground shaking?			X	
iii) Seismic-related ground failure, including liquefaction?			X	
iv) Landslides?			X	
b) Result in substantial soil erosion or the loss of topsoil?			X	
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in on- or off- site landslide, lateral spreading, subsidence, liquefaction or collapse?			X	
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?			X	
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?			X	

**DISCUSSION**

No active earthquake faults are known to exist in Tehama County. Tehama County is exposed to minimal seismic hazards due to its geographic location. The 1994 *Fault Activity Map*, prepared by the California Division of Mines and Geology (now the California Geological Survey), indicates no active or potentially active faults within Tehama County. Geologic hazards associated with seismic activity, such as liquefaction and seiche (earthquake generated waves), also have a low probability of occurring within Tehama County. Although no active faults are mapped in the county, there exists the potential for minor, localized earth-shaking events as precursors to eruptive activity of Mount Lassen. The region of Tehama County may experience earth-shaking

activity from seismic events that occur outside the county.

Soil types and their characteristics in Tehama County are controlled in part by location, i.e., valley or hillside. The soils of Tehama County have formed on the near level to gently sloping, deep alluvium of the Valley. The soils are well drained to somewhat poorly drained loams, silt loams, and clay loams on flood plains, alluvial fans and terraces. These soils are among the most agriculturally productive in the County. Along the alluvial plains of the Sacramento River and its tributaries, and generally between State Highway 99 and Interstate Highway 5 between Red Bluff and the southern County boundary, these soils are considered Class I-III soils. Soils present on the ridge systems to either side of the Valley have formed from a wide range of parent materials under varying conditions of slope steepness and stability, slope aspect, time, and annual rainfall. Therefore, the properties of these soils, including their hazards, are more variable than those formed on the more uniformly flat Valley floor (stable geomorphic surface), with its more homogeneous parent materials (alluvium). Soils in the foothills and ranges of Tehama County on the eastern and western sides of the valley are considered Class IV and below soils.

## RESPONSES TO CHECKLIST QUESTIONS

**Responses a-e): Less than Significant.** Seismicity is directly related to the distribution of fault systems within a region. Depending on activity patterns, faults and fault-related geologic features may be classified as active, potentially active, or inactive. The entire State of California is considered seismically active and is susceptible to seismic ground shaking, however, the most highly active fault zones are along coastal areas.

*Fault Rupture.* Ruptures to the fault line can occur due to earthquakes or fault creeps. The Alquist-Priolo Fault Zoning Act requires active earthquake fault zones to be mapped and it provides special development considerations within these zones. While Tehama County could be affected by distant earthquakes, there are no Alquist-Priolo Fault zones within the region.

*Seismic Ground Shaking.* Some possibility of seismic ground shaking in California is expected. Due to this expectation, California requires special design considerations for all structural improvements in accordance with the seismic design provisions in the California Building Code. These seismic design provisions require enhanced structural integrity based on several risk parameters. Any future roadway improvements implemented as a result of adoption of the RTP would be subject to detailed engineering review at each project-specific level to ensure that the structural integrity is consistent with state requirements. As such, implementation of the proposed RTP as a Project would result in a less than significant impact from seismic ground shaking.

*Liquefaction.* Liquefaction typically requires a significant sudden decrease of shearing resistance in cohesionless soils and a sudden increase in water pressure, which is typically associated with an earthquake of high magnitude. The potential for liquefaction is highest when groundwater levels are high, and loose, fine, sandy soils occur at depths of less than 50 feet. Most areas of Tehama County are at a low risk of hazards from liquefaction. Any future roadway improvements implemented as a result of adoption of the RTP would be subject to detailed engineering requirements to ensure structural integrity consistent with the requirements of state law. As such, implementation of the proposed Project would result in a less than significant impact from

liquefaction.

*Landslides.* Landslides include rockfalls, deep slope failure, and shallow slope failure. Factors such as the geological conditions, drainage, slope, vegetation, and others directly affect the potential for landslides. A common trigger for landslides results from the construction of new roadways. Most roadway projects identified in the RTP consist of maintenance or repair of existing facilities, and no new roadways are proposed in the 2025 RTP. Furthermore, any future roadway improvements implemented as a result of adoption of the RTP would be subject to detailed project-level review. Therefore, the potential for landslides is considered less than significant.

*Lateral Spreading.* Lateral spreading typically results when ground shaking moves soil toward an area where the soil integrity is weak or unsupported, and it typically occurs on the surface of a slope, although it does not occur strictly on steep slopes. Oftentimes, lateral spreading is directly associated with areas of liquefaction. However, any future roadway improvements implemented as a result of adoption of the RTP would be subject to detailed project-level review. Therefore, the potential of impact from lateral spreading is considered less than significant.

*Erosion.* Erosion naturally occurs on the surface of the earth as surface materials (i.e. rock, soil, debris, etc.) is loosened, dissolved, or worn away, and transported from one place to another by gravity. Two common types of soil erosion include wind erosion and water erosion. The steepness of a slope is an important factor that affects soil erosion. Erosion potential in soils is influenced primarily by loose soil texture and steep slopes. Loose soils can be eroded by water or wind forces, whereas soils with high clay content are generally susceptible only to water erosion. The potential for erosion generally increases as a result of human activity, primarily through the development of facilities and impervious surfaces and the removal of vegetative cover. There are no new roadways proposed in the RTP, and any projects implemented from the RTP will go through project-level review and analysis. Therefore, the potential for erosion is considered less than significant.

*Expansive Soils.* There are no expansive soils in Tehama County that have a moderate to high swelling capacity, and most of the area does not have any expansive soils. Expansive soils are those that shrink or swell with the change in moisture content. The volume of change is influenced by the quantity of moisture, by the kind and amount of clay in the soil, and by the original porosity of the soil. Shrinking and swelling can damage roads and structures unless special engineering design is incorporated into the project plans. There are no new roadways proposed in the RTP, and any projects implemented from the RTP will go through project-level review and analysis. Therefore, the potential for new expansive soil issues is considered less than significant.

*Septic Tanks.* Implementation of the RTP would not result in the use or expansion of any septic systems. Implementation of the proposed Project would have a less than significant impact on this environmental topic, and no mitigation is required.

**VII. GREENHOUSE GAS EMISSIONS – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			X	

**DISCUSSION**

The RTP includes goals, policies, and strategies aimed at reducing greenhouse gas (GHG) emissions in Tehama County. These goals and policies largely consist of methods to reduce Vehicle Miles Traveled (VMT), which is the main source of GHG emissions for transportation. RTP projects such as roadway and bridge repairs are necessary to maintain a safe regional transportation system and to prevent deterioration of roadways and bridges which may require costlier repairs in the future. These projects will not result in greater traffic volumes along State Highways or County roads as they are simply maintaining the current system. Keeping all roadways open through maintenance can help to avoid increases in VMT and therefore GHGs due to taking longer alternative routes.

The RTP includes bicycle and pedestrian projects, and transit projects aimed at enabling travelers to utilize alternative modes of transportation. By expanding alternative forms of transportation and not including capacity-enhancing projects, Tehama County is in line with statewide climate change goals.

**RESPONSES TO CHECKLIST QUESTIONS**

**Response a) and b): Less than Significant.** The RTP includes numerous goals related to the increase in multi-modal transportation options, which reduce dependence on the automobile, and may subsequently result in decreases in total VMT throughout the County. The RTP is consistent with all County General Plan updates and County land use guidelines and will encourage infill development and strategic planning to assist in VMT reduction and shorter travel distances.

**VIII. HAZARDS AND HAZARDOUS MATERIALS – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?				X
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?				X
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				X
e) For a Project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project result in a safety hazard for people residing or working in the Project area?			X	
f) For a Project within the vicinity of a private airstrip, would the Project result in a safety hazard for people residing or working in the Project area?			X	
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?			X	

**DISCUSSION**

The State of California has adopted U.S. Department of Transportation (DOT) regulations for the intrastate movement of hazardous materials; State regulations are contained in Title 26 of the California Code of Regulations (CCR). In addition, the State of California regulates the transportation of hazardous waste originating in the State and passing through the State (26 CCR). Both regulatory programs apply in California. The two State agencies with primary

responsibility for enforcing Federal and State regulations and responding to hazardous materials transportation emergencies are the California Highway Patrol (CHP) and Caltrans. The CHP enforces hazardous material and hazardous waste labeling and packing regulations to prevent leakage and spills of material in transit. Caltrans has emergency chemical spill identification teams throughout the State that can respond quickly in the event of a spill.

## RESPONSES TO CHECKLIST QUESTIONS

**Responses a-c): No Impact.** The RTP does not propose any new roadways to be constructed, and any potential use of hazardous substances used through construction equipment would be properly assessed and mitigated before any projects are constructed. No hazardous materials will be transported or used within a one quarter mile radius of any schools. Furthermore, any specific project from the RTP would be evaluated for these conditions at a specific project-level basis before construction. Implementation of the proposed Project would have a less than significant impact on this environmental topic and no mitigation is required.

**Responses d): Less than Significant.** There are two locations in Tehama County that are registered with the Department of Toxic Substances Control and included on the Cortese List. However, any specific project from the RTP would be evaluated on a specific project-level basis. Implementation of the proposed Project would have no impact on this environmental topic and no mitigation is required.

**Response e-f): Less than Significant.** The Action Element of the RTP includes a list of proposed improvement projects related to aviation facilities in the County. The proposed aviation facility improvements consist primarily of rehabilitation and maintenance efforts. All improvements to aviation facilities within the County identified in the RTP are consistent with the applicable airport land use plans (ALUPs) and would not result in changes to the aviation and flight patterns surrounding County aviation facilities. Furthermore, any specific project from the RTP would be evaluated on a specific project-level basis. Implementation of the proposed Project would have a less than significant impact on this environmental topic and no mitigation is required.

**Response g): Less than Significant.** The proposed Project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. The improvements identified in the RTP would improve the transportation network in Tehama County, which would serve to improve emergency response times countywide. Construction activities associated with projects identified within the RTP may result in temporary lane closures that may temporarily impede emergency access to certain areas within the County during construction. However, each improvement project, when undertaken, will include measures to allow safe passage whenever possible. Any specific project from the RTP would be evaluated on a specific project-level basis. Implementation of the proposed Project would have a less than significant impact on this environmental topic and no mitigation is required.

**Response h): Less than Significant.** Wildfires are a major hazard in the State of California and in Tehama County. Wildfires burn natural vegetation on developed and undeveloped lands and include timber, brush, woodland, and grass fires. While low intensity wildfires have an important role in the ecosystem, modern wildfires are exacerbated due to fire suppression, extreme drought and climate change. These higher intensity fires put human health and safety,

structures (e.g., homes, schools, businesses, etc.), air quality, recreation areas, water quality, wildlife habitat and ecosystem health, and forest resources at risk. Most populated areas in Tehama County are in the Wildland-Urban Interface (WUI). This leaves communities at a higher level of risk as they are more exposed to wildland fires. Emergency protocols of such nature are included in the Tehama County Emergency Operations Plan.

The proposed Project consists primarily of projects that will improve and rehabilitate roadways throughout the County. Roadway rehabilitation is necessary for improving emergency response and evacuation efficiency. There are no new homes, businesses or habitable structures proposed as part of the RTP. Therefore, implementation of the proposed Project would not result in increased risks associated with wildfires. This is a less than significant impact and no mitigation is required.

**IX. HYDROLOGY AND WATER QUALITY – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements?			X	
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?			X	
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?			X	
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?			X	
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?			X	
f) Otherwise substantially degrade water quality?			X	
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?			X	
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?			X	
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?			X	
j) Inundation by seiche, tsunami, or mudflow?			X	

## DISCUSSION

A safe and reliable water supply, for drinking and for fire protection, is important to the health and well-being of any community. There are approximately 26 water agencies operating throughout Tehama County. Water used by Tehama County comes from groundwater sources and local surface water sources. Sacramento River/Central Valley Project (CVP) projects provide water. Most wells are located in a north-south swath along both sides of the Sacramento River. Approximately 10,000 wells exist in the County, with approximately 78 percent classified as having domestic usage.

Water is a critical resource to the economic, environmental, and recreational wellbeing of Tehama County. In the past, concerns with surface water supply reliability, changing land use, local and statewide growth, and increased environmental water use have contributed to greater dependence upon groundwater. More recently, investigations into climate change, reduced snowpack, and decreased Delta export pumping are confronting Californians with a water supply dilemma. Long-range projections indicate wet years may be fewer and farther apart over the next 40 years. This has focused increasing attention toward groundwater resources that underlie Tehama County and the greater Northern Sacramento Valley. This shift to groundwater coupled with concerns about water exports out of Tehama County in 1992 provided incentive to adopt Water Export Ordinance No. 1617 in 1994 and to develop a countywide Groundwater Management Plan beginning in 1995. In 1998, the Tehama County Groundwater Management Plan was completed and adopted by the Tehama County Flood Control and Water Conservation District.

## RESPONSES TO CHECKLIST QUESTIONS

**Response a-j): Less than Significant.** Implementation of the proposed Project would indirectly result in the improvement and rehabilitation of roadways and transportation infrastructure throughout Tehama County. The Project would not result in the development or construction of housing or other habitable structures that would be at risk from flooding events and no new roadways would be developed. There are a small number of projects identified within the RTP that may increase the area of impervious surfaces within the County. Such improvements consist primarily of repaving or roadway widening to address safety and operational concerns. The RTP would not substantially alter existing drainage, nor would it contribute to runoff water. The RTP would not degrade the water quality, nor would it place housing within a 100-year flood hazard area. As such, the Project would not result in an increased demand for ground or surface water resources and would have no impact on these environmental resources.

There is the potential for water quality impacts to occur during construction activities associated with the various projects identified in the RTP. Each project is subject to further project-level environmental review prior to approval and construction. During subsequent environmental review, potential project-specific construction impacts to water quality would be identified, and mitigation measures, in the form of Best Management Practices would be identified and implemented to ensure that impacts to water quality are reduced or avoided. Impacts to the hydrology and water quality are considered less than significant and no mitigation is required.

**X. LAND USE AND PLANNING – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Physically divide an established community?				X
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the Project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?				X
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?				X

**DISCUSSION**

Tehama County has a General Plan containing policies to guide growth and land use changes.

**RESPONSES TO CHECKLIST QUESTIONS**

**Responses a-c): No Impact.** Implementation of the proposed Project would result in improvements to the County’s transportation network, and there are no proposed changes to land uses or land use designations in the RTP. The RTP is consistent with the County General Plan, and no housing would be affected, nor would any new roadways be constructed. Furthermore, any projects implemented as a result of the RTP would go through a more detailed project-level analysis. Implementation of the RTP would not conflict with a habitat conservation plan. There are no impacts to land use associated with the proposed Project and no mitigation is required.

**XI. MINERAL RESOURCES – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant	No Impact
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				X
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X

**DISCUSSION**

The Office of Mine Reclamation periodically publishes a list of mines regulated under SMARA that is generally referred to as the AB 3098 List. The Public Contract Code precludes mining operations that are not on the AB 3098 List from selling sand, gravel, aggregates, or other mined materials to state or local agencies. The current AB 3098 list indicates that there are 15 mines regulated under SMARA in Tehama County: 91-52-0002 Carmichael Rock Quarry Nordic Industries, Llc; 91-52-0005 Dibble Creek Brian Ramsey; 91-52-0012 Eaton Pit #100; 91-52-0013 Schmitt Pit #1; 91-52-0014 Nicol Pit #388 91-52-0022 Paynes Creek Cinder Pit; 91-52-0023 Dye Creek Quarry Nordic Industries, Llc; 91-52-0024 H.L. Rodney H.L. Rodney; 91-52-0027 Hooker Creek Westside Aggregates; 91-52-0028 Deer Creek Rock Franklin Construction Inc.; 91-52-0030 Red Bank Creek Mine Tehama Asphalt Processing, Inc.; 91-52-0033 Endicott Endicott Trucking; 91-52-0034 Pine Creek 7/11 Materials, Inc; 91-52-0035 Tehama Rock Products Lepage Company Inc.; And 91-52-0042 Doyle 17 Mine Thomes Creek Rock, Inc.

**RESPONSES TO CHECKLIST QUESTIONS**

**Response a-b): No Impact.** There are no active mines that would be affected by the RTP. The proposed Project would not result in the loss of availability of a known mineral resource or mineral resource recovery site. Implementation of the proposed Project would have a less than significant impact, therefore no mitigation is required.

**XII. NOISE – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			X	
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?			X	
c) A substantial permanent increase in ambient noise levels in the Project vicinity above levels existing without the Project?			X	
d) A substantial temporary or periodic increase in ambient noise levels in the Project vicinity above levels existing without the Project?			X	
e) For a Project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project expose people residing or working in the Project area to excessive noise levels?			X	
f) For a Project within the vicinity of a private airstrip, would the Project expose people residing or working in the Project area to excessive noise levels?			X	

**DISCUSSION**

The dominant sources of noise in Tehama County are highway and local traffic on county roads, as well as commercial and industrial uses, airports and railroad operations. The railroad contributes a significant source of noise locally, within areas of Tehama County adjacent to the tracks, due to warning horns and wheel noise on the tracks. Union Pacific Railroad’s north-south main line, between Seattle and Southern California, runs through Tehama County on its route between Red Bluff and Chico. This route passes through or within five miles of the towns of Vina, Los Molinos, Gerber, Las Flores, Proberta and Red Bluff. To a smaller extent, construction sites are also considered a stationary source of short-term, or temporary, noise in the County. Non-transportation noise sources can be characterized as stationary noise sources that may last a period of several hours, or be ongoing through a 24-hour period. Some of these noise sources include, but are not limited to, industrial facilities, trucking operations, tire shops, auto maintenance shops, shopping centers, drive-up windows, car washes, recycling centers, parks and other recreational areas, and agricultural activities.

**RESPONSES TO CHECKLIST QUESTIONS**

**Responses a-f): Less than Significant.** Implementation of the proposed Project consists primarily

of improvements to the existing transportation network in Tehama County. There are no new roadways proposed that would introduce new vehicle trips into areas not currently exposed to mobile noise sources from the existing transportation network. The improvements identified in the RTP would not directly result in increased vehicle trips on the County roadway network and would therefore not result in increased noise levels from vehicles travelling on existing roadways and transportation facilities in the County. Any noise disturbances to people or animals due to construction activities would be temporary, and subsequent environmental review of project-specific impacts would be required prior to approval and implementation of future improvements to ensure that sensitive species are not disturbed. This review would propose temporary mitigations to sensitive receptors and assign mitigation measures as needed to reduce noise impacts. This is a less than significant impact and no mitigation is required.

**XIII. POPULATION AND HOUSING – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			X	
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?			X	
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?			X	

**DISCUSSION**

According to the US Census Bureau American Community Survey, the total number of housing units in Tehama County was estimated at 27,440 in 2022. An estimated 60% of the housing units were owner-occupied. The median home value in the County is \$290,400. According to the 2020 Census, the population in the County was 65,829, an increase since the last census recording in 2010 of 63,463. Furthermore, Tehama County has seasonal population increases that are directly related to the region’s recreational tourism industry. Transportation planning efforts must accommodate the seasonal population boosts.

**RESPONSES TO CHECKLIST QUESTIONS**

**Responses a-c): Less than Significant.** The Tehama County region is not undergoing any major development or construction that would significantly alter the population. The proposed Project consists primarily of the rehabilitation of the existing transportation network in Tehama County. There are no new roadways proposed that would extend vehicular access into areas of the County that are not currently accessible by area roadways. The Project would not result in the direct or indirect inducement of population growth. The RTP includes projects that would occur primarily within the right-of-way of the existing transportation network and would not displace any persons or housing units. This is a less than significant impact and no mitigation is required.

**XIV. PUBLIC SERVICES – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Would the Project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:			X	
Fire protection?			X	
Police protection?			X	
Schools?			X	
Parks?			X	
Other public facilities?			X	

**DISCUSSION**

Tehama County Fire Department (TCFD) is an all-risk combination fire department which protects a population of approximately 64,000 citizens. Tehama County covers an area of approximately 2,958 square miles. The TCFD averages approximately 8,300 all-risk incidents annually. The TCFD has been had a cooperative agreement with CAL FIRE since 1927 to manage and provide all-risk fire and emergency medical services to the unincorporated areas of Tehama County. here are fifteen fire stations strategically located throughout Tehama County. Four fire stations are staffed with career and volunteer personnel and eleven fire stations are staffed with all volunteer personnel only. Additionally, the seasonally staffed CAL FIRE Stations add to the capacity of fire protection and public safety in Tehama County increasing the total number of fire stations to 20 for CAL FIRE/TCFD.

Law enforcement for the County is provided by the Tehama County Sheriff’s Office, located in Red Bluff. The California Highway Patrol enforces traffic laws throughout the county. Tehama County Department of Education oversees 13 school districts, four charters, and two alternative schools. Tehama County Parks manages the following parks: Bend Bridge Park/Boat Ramp, Camp Tehama, Cone Grove Park, Gerber Park, Mill Creek Park/Boat Ramp, Ridgeway Park, Simpson-Finnell Park, And Tehama County River Park/Boat Ramp (At Woodson Bridge).

**RESPONSES TO CHECKLIST QUESTION**

**Response a): Less than Significant.** The proposed Project (adoption of the RTP) consists primarily of the rehabilitation and improvement of the existing transportation network in Tehama County. The projects included in the RTP would not construct any new roadways into areas not already accessible and would not have an impact on population change. As such, the

RTP would not create a demand for increased public services, including police protection, fire protection, schools, parks and other public. Furthermore, every project included in the RTP will be analyzed at a project-specific level to verify this. This is a less than significant impact and no mitigation is required.

**XV. RECREATION– WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Would the Project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the			X	
b) Does the Project include recreational facilities or require the construction or expansion of recreational facilities which			X	

**DISCUSSION**

With a majority of the County consisting of open space land use, the County provides a variety of opportunities for recreational activities. Park and recreation facilities include both public and privately managed facilities, with several key parks, recreation areas, and wildlife viewing areas.

**RESPONSES TO CHECKLIST QUESTIONS**

**Responses a-b): Less than Significant.** The proposed Project (adoption of the RTP) consists primarily of the rehabilitation and improvement of the existing transportation network in Tehama County. The projects included in the RTP would not construct any new roadways into areas not already accessible and would not have an impact on population change. Furthermore, every project included in the RTP will be analyzed at a project-specific level to verify this. As such, the demand for increased recreational facilities would not increase as a result of implementation of the proposed Project. This is a less than significant impact and no mitigation is required.

**XVI. TRANSPORTATION/TRAFFIC – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?			X	
b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?			X	
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?			X	
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?			X	
e) Result in inadequate emergency access?			X	
f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?			X	

**DISCUSSION**

Tehama County is served by local roadways and five major State Highways SR-36, SR-99, SR-32, SR-172, SR-89. The roadway network provides the regional transportation routes for automobiles and trucks. Other roadways with similar functional classifications as the State Highways in Tehama County include Interstate and U.S. Highways. Forest roads are also present in the County and are described in more detail below.

**RESPONSES TO CHECKLIST QUESTIONS**

**Responses a-b): Less than Significant.** The Project is the preparation of the Regional Transportation Plan, which is a plan developed to guide transportation investments for all modes of transportation through goals, policies and proposed projects. It establishes vehicle miles

traveled (VMT) standards established by the Tehama County Transportation Commission for the County's roads and highways. It also includes policies regarding public transit, bicycle and pedestrian facilities and airports. As such, there is no conflict as the RTP is the guiding transportation plan for the region. The RTP is also consistent with the circulation element of the General Plans and would not result in conflicts or inconsistencies with that plan. Therefore, there is no impact, and no mitigation is required. Implementation of the proposed RTP would result in improvements and rehabilitation to the existing transportation and roadway network in Tehama County.

Although a slight increase in VMT is likely to occur throughout the lifetime of this RTP, few changes are expected in the ratings of state routes in Tehama County. In 2045, most highway segments are expected to be operating at an acceptable congestion rating.

Implementation of the proposed Project would not result in population growth within Tehama County and would not directly result in increases of VMT. The proposed Project would improve traffic flows and operations throughout the County and would not result in VMT that exceeds applicable standards or thresholds. This is a less than significant impact and no mitigation is required.

**Responses c-f): Less than Significant.** As described throughout this Initial Study, implementation of the proposed Project would assist in the improvement of the County's transportation network across all modes of transit and transportation. The improvements proposed to aviation facilities in the County would not result in an increase in flights or a change in flight patterns. There are policies and programs included in the RTP that would improve public access to transit systems and alternative modes of transportation, such as bicycle use, and the RTP does not conflict with any existing plans to improve active transportation or transit. The various roadway improvements identified in the RTP would assist in the delivery of emergency services by improving the local and regional roadway network and reducing existing design and safety hazards. The RTP and the projects included within were developed after careful review of the General Plan of the County. The RTP is consistent with the circulation element of the General Plan and would not result in conflicts or inconsistencies with the above referenced plan. This is considered a less than significant impact and no mitigation is required.

**XVII. TRIBAL CULTURAL RESOURCES – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
Cause a substantial adverse change in the significance of a tribal cultural resource, defined in public Resources Code section 21074 as either a site, feature place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a) Listed or eligible for listing in the California Register of the Historical Resources, or in a local register of historical resources as defined Public Resources Code section 5020.1(k), or			X	
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American Tribe.			X	

**DISCUSSION**

There are three active Native American Tribal Government in Tehama County, including: Paskenta Band of Nomlaki Indians, Greenville Rancheria, and Susanville Indian Rancheria

During the RTP planning process, Tribal representatives were directly contacted via email and written correspondence to solicit feedback on the RTP. Additionally, Tribal contacts were included in all stakeholder outreach communication and were invited to all community events.

**RESPONSES TO CHECKLIST QUESTIONS**

**Response a-b): Less than Significant.** CEQA requires lead agencies to determine if a proposed Project would have a significant effect on tribal cultural resources. The CEQA Guidelines define tribal cultural resources as: (1) a site, feature, place, cultural landscape, sacred place, or object with cultural value to a California Native American Tribe that is listed or eligible for listing on the California Register of Historical Resources, or on a local register of historical resources as defined in Public Resources Code Section 5020.1(k); or (2) a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant according to the historical register criteria in Public Resources Code Section 5024.1(c), and considering the significance of

the resource to a California Native American Tribe. The County provides notices of projects under AB52 to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice.

The proposed Project does not entitle, propose, or otherwise require the construction of new roadways. The proposed Project includes a variety of roadway improvement projects, which consist primarily of roadway rehabilitation efforts and roadway safety improvements. The proposed Project identifies roadway and multimodal transportation improvement funding priorities that will be implemented over the next 20 years. Nearly all of the roadway projects identified in the RTP consist of rehabilitation efforts, which would occur within the roadbeds of the existing roadways and would not have the potential to impact any known or previously undiscovered cultural resources. Individual projects identified in the RTP that may include the widening of a roadway or any other projects that would require excavation at previously undisturbed sites would be subject to project-level environmental review prior to approval and construction of the improvements. This future project-level environmental review of individual projects would identify the potential for impacts to any cultural resources. This is a less than significant impact and no mitigation is required.

**XVIII. UTILITIES AND SERVICE SYSTEMS – WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?			X	
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?			X	
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?			X	
d) Have sufficient water supplies available to serve the Project from existing entitlements and resources, or are new or expanded entitlements needed?			X	
e) Result in a determination by the wastewater treatment provider which serves or may serve the Project that it has adequate capacity to serve the Projects Projected demand in addition to the providers existing commitments?			X	
f) Be served by a landfill with sufficient permitted capacity to accommodate the Projects solid waste disposal needs?			X	
g) Comply with federal, state, and local statutes and regulations related to solid waste?			X	

**DISCUSSION**

The unincorporated areas of Tehama County are heavily reliant upon on-site septic tank sewage treatment systems. The advantage of these on-site wastewater treatment systems is the relatively low cost of installation and operation and their water recharge characteristics. Disadvantages include the narrow requirements of the systems with respect to soil characteristics, topography, and their sensitivity to high groundwater levels. Failure of a septic tank is its major disadvantage because it may result in contamination of groundwater or other health-related problems. In some cases, failure can also restrict or eliminate habitation of a property. Technologies in the use of wastewater treatments have evolved dramatically over the last 20 years, as have the standards regulating these treatments in the State of California.

A safe and reliable water supply, for drinking and for fire protection, is important to the health and well-being of any community. There are approximately 26 water agencies operating throughout Tehama County. Water used by Tehama County comes from groundwater sources

and local surface water sources. Sacramento River/Central Valley Project (CVP) projects provide water. Most wells are located in a north-south swath along both sides of the Sacramento River. Approximately 10,000 wells exist in the County, with approximately 78 percent classified as having domestic usage.

## RESPONSES TO CHECKLIST QUESTIONS

**Responses a-g): Less than Significant.** The Project consists of various roadway and transportation network improvement projects throughout the County. No new roadways are proposed, RTP projects mostly consist of rehabilitation efforts. However, as described throughout this Initial Study, projects identified in the RTP would be subject to project-level environmental review to determine what mitigation measures are appropriate. Future projects under this review may result in proposed mitigation measures to avoid or lessen potential impacts to drainages such as culverts or swales adjacent to roadway and other improvement projects. Projects are anticipated to generate spoils to some degree. However, Best Management Practices (BMP's) are followed for proper spoil storage and disposal, which often occurs at county maintenance yards. The projects constructed as a result of the RTP will all be subject to project-level review; however, it is not anticipated that these projects will exceed wastewater treatment sites or landfills, nor would they require additional water supplies for the purposes of the Project. As any from the RTP will go through this project-level review, this is considered a less than significant impact and no mitigation is required.

**XIX. WILDFIRE – IF LOCATED IN OR NEAR STATE RESPONSIBILITY AREAS OR LANDS CLASSIFIED AS VERY HIGH FIRE HAZARD SEVERITY ZONES, WOULD THE PROJECT:**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?			X	
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose Project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?			X	
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?			X	
d) Expose people or structures to significant risks, including down slope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?			X	

**DISCUSSION**

California has a long-standing history of extreme wildfires, the most destructive and lethal of which primarily occurring in the last five years. The largest fire in California history, the August Complex Fire, burned over 1 million acres including portions of Tehama County. The second largest wildfire in California history was the Dixie Fire of 2021. Although much of its footprint was east of Tehama County, the landscape and topography of Tehama County in the foothills area is very similar to the Dixie Fire area and should be noted regarding fuel load and topography. Additionally, south of Tehama in Butte County, the Camp Fire of 2018 completely devastated and flattened the Town of Paradise. This incident was the deadliest wildfire in California history and among the most lethal fires in U.S. history, causing 85 deaths. In the Tehama County and Tehama-Glenn region, CAL FIRE has recorded 34 fires that have burned 100 acres or more in the last 10 years. Of the 13 wildfires that burned over 1,000 acres, 12 of them have occurred in the last five years – most notably the August Complex Fire and Dixie Fire.

The western region of the County and the Rancho Tehama community have experienced the most recent fire perimeter. The communities of Mill Creek and Mineral have had recent, close encounters as well. The eastern foothill region has encountered varied fire footprints over the last 50 years. The communities that surround I-5 and those just to the west of the major highway, have encountered a scattered frequency of fires throughout the last 50 years. It is important to acknowledge historic fire footprints because areas that have burned in the recent past might have reduced fuel loads conversely, areas that haven’t burned, have greater fuel loads making them potentially hazardous.

The Tehama County Fire Department (TCFD) is administered under contract by CAL FIRE and provides fire protection, emergency dispatching, specialized training, equipment repair and maintenance, fire prevention, fire safety education and emergency medical responses to the unincorporated areas of Tehama County with the exceptions of the Gerber/Las Flores Community Service District and the Capay Fire Protection District. Thus, in Tehama County, the Tehama County Fire Department and the California Department of Forestry and Fire Protection are integrated departments that mutually support each agency's fire suppression and emergency response efforts.

The Tehama County Safety, Secondary Access, Community Planning and Evacuation Routing Study was adopted in 2024, this document serves as a comprehensive guide to enhance the County's overall preparedness capabilities in the event of an emergency. Its primary focus revolves around the development and upkeep of evacuation strategies, infrastructure enhancements, and community engagement endeavors necessary to enable efficient responses to a wide range of hazards that Tehama County may confront.

*A Fire Management Plan 2005* was prepared for Tehama County by CDF (Cal-Fire) in cooperation with the Tehama County Fire Safe Councils. The Tehama/Glenn Unit includes areas in both Tehama and Glenn Counties. The plan is the instrument by which pre-fire planning activities are identified, prioritized and implemented through the cooperative efforts of local fire agencies and fire safe councils. It has been noted that most of the non-federal land outside the valley floor of Tehama County is classified as wildland area that may contain substantial forest fire risks and hazards. Furthermore, rural and wildland development has increasingly impacted wildland fire suppression priorities in areas where development has moved into the grasslands, oak woodlands, and forests. Generally referred to as the "Wildland-Urban Interface," this encroachment of dwellings into previously uninhabited areas has exacerbated the challenges of managing wildland fires.

## RESPONSES TO CHECKLIST QUESTIONS

**Responses a-d): Less than Significant.** The Project consists of various roadway and transportation network improvement projects throughout the County. No new roadways are proposed, RTP projects mostly consist of rehabilitation efforts. However, as described throughout this Initial Study, projects identified in the RTP would be subject to project-level environmental review to determine what mitigation measures are appropriate. Future projects under this review may result in proposed mitigation measures to avoid or lessen potential impacts. The Project would not result in land use changes that would affect an emergency response or emergency evacuation plan. The Project would not require installation of infrastructure that would exacerbate fire risk. The Project would not impair an adopted emergency response plan or emergency evacuation plan.

The Project would not interfere with any of the plans or reports mentioned in the discussion above because it would not prohibit subsequent plans from being established or prevent the goals and objectives of existing plans from being carried out. The Project would not require rerouting of traffic or road closures that would impair emergency response services. Therefore, the Project, would not significantly impair implementation of or physically interfere with an

adopted emergency response plan or emergency evacuation plan. The Project would not result in exacerbated wildfire risk that would expose occupants to pollutant concentrations. Furthermore, the Project would not result in increased slopes or other conditions which would exacerbate wildfire risk. Therefore, the Project would have no impact related to exposing people or structures to flooding, landslides, or risks associated with post-fire instability.

**XX. MANDATORY FINDINGS OF SIGNIFICANCE**

	Potentially Significant Impact	Less Than Significant with Mitigation	Less Than Significant Impact	No Impact
a) Does the Project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?			X	
b) Does the Project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a Project are considerable when viewed in connection with the effects of past Projects, the effects of other current Projects, and the effects of probable future Projects)?			X	
c) Does the Project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			X	

**RESPONSES TO CHECKLIST QUESTIONS**

**Responses a-c): Less than Significant.** As described throughout this Initial Study, the proposed Project is compliant with General Plan land use designations and zoning districts, would not result in annexation of land, and does not propose any new roadways or developments. Any project identified in the RTP will go through a project-level environmental analysis which will propose mitigation measures should the findings recommend it. The RTP as a ‘Project’ would not result in new adverse environmental impacts, as it is a regional plan providing recommendations to the County. Any projects included in the RTP that will be pursued will go through project-level environmental reviews to ensure that appropriate mitigation measures will occur. The Project would not threaten biological resources, nor would it affect cultural resources of California history or prehistory including that of Native American Tribal Governments. The proposed Project does not have impacts that are cumulatively considerable, nor would it have substantial adverse effects on human beings. Implementation of the proposed Project would have a less than significant impact on these environmental topics.

## References

California Air Resources Board (CARB), Air Quality Standards and Area Designations (2018).

California Department of Conservation, Mine Reclamation AB 3098 List (2022).

California Department of Finance, Population and Housing Estimates (2024).

California Department of Fish and Wildlife (CDFW), California State Wildlife Action Plan (2015), California Natural Diversity Database (CNDDDB).

California Environmental Protection Agency (CalEPA), Cortese List Data Resources (2019).

Cal Fire Website <https://osfm.fire.ca.gov/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones/fire-hazard-severity-zones-maps>

California Public Road Data (2017, 2018, 2020, and 2021).

California Transportation Commission, 2024 Regional Transportation Plan Guidelines for Regional Transportation Planning Agencies (2024).

California Data Exchange Center, Department of Water Resources (2018-2019).

CEQA Statutes & Guidelines (2024).

Tehama County Annual Crop and Livestock Report (2022).

Tehama County, County of Tehama Website (2024).

Tehama County Department of Agriculture/Weights & Measures (2022).

Tehama County Safety, Secondary Access, Community Planning and Evacuation Routing Study (2024).

Tehama County, Tehama County General Plan (2009).

Tehama County Transportation Commission, 2025 Tehama County RTP Draft (2024).

State of California U.S. Department of Transportation (DOT) regulations; State regulations in 26 CCR.