

This document is the Final Mitigation Monitoring and Reporting Program (FMMRP) for the City of Manteca Circulation Element Update. This FMMRP has been prepared pursuant to Section 21081.6 of the California Public Resources Code, which requires public agencies to “adopt a reporting and monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment.” A FMMRP is required for the proposed project because the EIR has identified significant adverse impacts, and measures have been identified to mitigate those impacts.

The numbering of the individual mitigation measures follows the numbering sequence as found in the Draft EIR. All revisions to mitigation measures that were necessary as a result of responding to public comments and incorporating staff-initiated revisions have been incorporated into this FMMRP.

4.1 MITIGATION MONITORING AND REPORTING PROGRAM

The FMMRP, as outlined in the following table, describes mitigation timing, monitoring responsibilities, and compliance verification responsibility for all mitigation measures identified in this Final EIR. Agencies considering approval of subsequent activities under the City of Manteca Circulation Element Update would utilize this EIR as the basis in determining potential environmental effects and the appropriate level of environmental review of a subsequent activity.

The FMMRP is presented in tabular form on the following pages. The components of the FMMRP are described briefly below:

- **Mitigation Measures:** The mitigation measures are taken from the Draft EIR and Initial Study, in the same order that they appear in the Draft EIR and Initial Study.
- **Mitigation Timing:** Identifies at which stage of the project mitigation must be completed.
- **Monitoring Responsibility:** Identifies the agency that is responsible for mitigation monitoring.
- **Compliance Verification:** This is a space that is available for the monitor to date and initial when the monitoring took place.

TABLE 1: MITIGATION MONITORING AND REPORTING PROGRAM

| RESOURCE | MITIGATION MEASURE | MONITORING RESPONSIBILITY | TIMING | VERIFICATION (DATE/INITIALS) |
|--|--|---------------------------|--------------------------|------------------------------|
| AESTHETICS | | | | |
| Impact 4.5.1: Potential to have a substantial adverse effect on a scenic vista, substantially damage scenic resources within a state scenic highway, or substantially degrade the existing visual character or quality of the site and its surroundings. | <p>Adopted General Plan Policies</p> <ul style="list-style-type: none"> • RC-P-17 New development shall maximize the potential for open space and visual experiences. • CD-P-49 In order to establish a visual character that retains the agricultural heritage, the city will permit the use of orchard trees (or similar non-fruiting species) in landscape corridors along major streets adjacent to residential neighborhoods, in-lieu of formalized landscape. In such landscapes, the groundcover may be limited to bare earth and weed control and/or groundcovers compatible with the orchard characteristics. • CD-I-14: Establish design guidelines for non-residential uses within 200 feet of SR 99 and SR 120. The guidelines should address the following concept. The landscape along SR 120 and SR 99 will reflect the natural character of the region in the selection of trees and groundcover. | City of Manteca | Prior to Design Approval | |
| Impact 4.5.2: Potential to create a new source of substantial light or glare which would adversely affect day or nighttime views in the area. | <p>Adopted General Plan Policies</p> <p><u>Policies</u></p> <ul style="list-style-type: none"> • CD-P-44: Provide minimal levels of street, parking, building, site, and public area lighting to meet safety standards and provide direction. • CD-P-45 Provide directional shielding for all exterior lighting to minimize the annoyance of direct or indirect glare. | City of Manteca | Prior to Design Approval | |
| AGRICULTURAL RESOURCES | | | | |
| Impact 3.1-1: Conversion of Farmlands, including Prime Farmland, Unique Farmland, and Farmland of Statewide Importance | <p>Adopted General Plan Policies and Implementation Measures</p> <p><u>Policies</u></p> <ul style="list-style-type: none"> • LU-P-41: The City shall encourage the continuation of agricultural uses on lands within the Primary and Secondary Urban Services Boundary lines pending their development as urban uses consistent with the General Plan. | City of Manteca | Prior to Design Approval | |

| | | | | |
|--|--|--|--|--|
| | <ul style="list-style-type: none"> • LU-P-42: The City will encourage the continuation of small, specialty agricultural operations and demonstration or educational agricultural operations that are compatible with the adjacent urban uses. • CD-P-48: Allow pockets of agricultural activity to remain within the urban areas of the city where such uses are compatible with the surrounding urban use. • CD-P-49: Allow use of small under-utilized parcels or undeveloped portions of parcels for temporary, seasonal agricultural activity, such as truck farms, strawberries, and small orchards. • RC-P-19: The City shall support the continuation of agricultural uses on lands designated for urban use, until urban development is imminent. • RC-P-20: The City shall provide an orderly and phased development pattern so that farmland is not subjected to premature development pressure. • RC-P-21: In approving urban development near existing agricultural lands, the City shall take actions so that such development will not unnecessarily constrain agricultural practices or adversely affect the viability of nearby agricultural operations. • RC-P-22: Nonagricultural uses in areas designated for agriculture should be redirected to urban areas. • RC-P-23: Protect designated agricultural lands, without placing an undue burden on agricultural landowners. • RC-P-24: Provide buffers at the interface of urban development and farmland; in order to minimize conflicts between these uses. • RC-P-25: The City shall ensure, in approving urban development near existing agricultural lands, that such development will not unnecessarily constrain agricultural practices or adversely affect the economic viability of nearby agricultural operations. • RC-P-26: The City shall restrict the fragmentation of agricultural land parcels into small rural residential parcels except in areas designated for estate type development in the General Plan Land Use Diagram. • RC-P-28: The City shall not extend water and sewer lines to premature urban development that would adversely affect | | | |
|--|--|--|--|--|

| | | | | |
|--|---|--|--|--|
| | <p>agricultural operations.</p> <ul style="list-style-type: none"> • RC-P-29: The City shall encourage Manteca Unified School District and the Delta Community College District to maintain the school farm facilities and associated education programs in the City. • RC-P-30: The City of Manteca will participate in a county-wide program to mitigate the conversion of Prime Farmland and Farmlands of Statewide Importance to urban uses. <p><u>Implementation Measures</u></p> <ul style="list-style-type: none"> • LU-I-1. The City shall maintain a growth management system that provides a mechanism for the annual allocation of the amount of residential, commercial, and industrial development that may occur. The growth management system shall have the following objectives: <ul style="list-style-type: none"> ○ Maintain, and where necessary enhance, the community's current public services and facilities; ○ Protect against the construction of development projects which will require sewage treatment capacity in excess of that determined available by the City Council; ○ Preserve and protect the environment; ○ Preserve and protect the quality of life and character of the community. ○ Provide for the orderly and adequate expansion of the City's housing stock in order to advance housing opportunities and to accommodate a reasonable share of expected regional growth. ○ Provide for the adequate and orderly expansion of the City's commercial and employment development base in balance with the city's housing stock; ○ Provide for a balance between multi-family and single family residential development; ○ Conserve viable agricultural and open space lands; and ○ Encourage and facilitate development proposals that accomplish the goals, policies, and programs of the General Plan through development innovations that cannot be accomplished by conventional zoning. • RC-I-30. Apply the following conditions of approval where urban development occurs next to farmland. | | | |
|--|---|--|--|--|

| | | | | |
|---|--|------------------------|---------------------------------|--|
| | <ul style="list-style-type: none"> ○ Require notifications in urban property deeds that agricultural operations are in the vicinity, in keeping with the City's right-to farm ordinance. ○ Require adequate and secure fencing at the interface of urban and agricultural use. ○ Require phasing of new residential subdivisions; so as to include an interim buffer between residential and agricultural use. • RC-I-31. Work with San Joaquin County on the following issues: <ul style="list-style-type: none"> ○ Pesticide application and types of agricultural operations adjacent to urban uses. <p>Support the continuation of County agricultural zoning in areas designated for agricultural land use in the Area Plan.</p> | | | |
| <p>Impact 3.1-2: Conflict with Existing Agricultural Zoning or Williamson Act Contracts</p> | <p>Adopted General Plan Policies and Implementation Measures</p> <p><u>Policies</u></p> <ul style="list-style-type: none"> • RC-P-27: The City shall discourage the cancellation of Williamson Act contracts outside the Primary Urban Service Boundary line. <p><u>Implementation Measures</u></p> <ul style="list-style-type: none"> • LU-I-1. The City shall maintain a growth management system that provides a mechanism for the annual allocation of the amount of residential, commercial, and industrial development that may occur. The growth management system shall have the following objectives: <ul style="list-style-type: none"> ○ Maintain, and where necessary enhance, the community's current public services and facilities; ○ Protect against the construction of development projects which will require sewage treatment capacity in excess of that determined available by the City Council; ○ Preserve and protect the environment; ○ Preserve and protect the quality of life and character of the community. ○ Provide for the orderly and adequate expansion of the City's housing stock in order to advance housing opportunities and to accommodate a reasonable share of expected regional growth. ○ Provide for the adequate and orderly expansion of the City's commercial and employment development base in balance with | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |

| | | | | |
|--|--|------------------------|---------------------------------|--|
| | <p>the city's housing stock;</p> <ul style="list-style-type: none"> ○ Provide for a balance between multi-family and single family residential development; ○ Conserve viable agricultural and open space lands; and ○ Encourage and facilitate development proposals that accomplish the goals, policies, and programs of the General Plan through development innovations that cannot be accomplished by conventional zoning. <ul style="list-style-type: none"> ● RC-I-30. Apply the following conditions of approval where urban development occurs next to farmland. <ul style="list-style-type: none"> ○ Require notifications in urban property deeds that agricultural operations are in the vicinity, in keeping with the City's right-to farm ordinance. ○ Require adequate and secure fencing at the interface of urban and agricultural use. ○ Require phasing of new residential subdivisions; so as to include an interim buffer between residential and agricultural use. ● RC-I-31. Work with San Joaquin County on the following issues: <ul style="list-style-type: none"> ○ Pesticide application and types of agricultural operations adjacent to urban uses. <p>Support the continuation of County agricultural zoning in areas designated for agricultural land use in the Area Plan.</p> | | | |
| AIR QUALITY | | | | |
| <p>Impact 3.2-2: Short-term - Conflict with, or Obstruct, the Applicable Air Quality Plan, Cause a Violation of Air Quality Standards, Contribute Substantially to an Existing Air Quality Violation, or Result in a Cumulatively Considerable Net Increase of a Criteria Pollutant in a Non-Attainment Area</p> | <p>Mitigation Measure 3.2-1: The City of Manteca shall coordinate with the San Joaquin Valley Air Pollution Control District (SJVAPCD), as individual projects are designed, to determine the applicability of Rule 9510 (Indirect Source Review), and if necessary, prepare an Air Impact Assessment for the SJVAPCD to review. This rule will apply to any transportation or transit project where construction exhaust emissions equal or exceed two (2.0) tons of NOx or two (2.0) tons of PM10.</p> <p>In an effort to reduce construction exhaust emissions of NOx and PM10, the City should give preference to contractors bids that include construction fleets that can meet the emissions reduction requirements set by District Rule 9510 (20% reduction of NOx emissions and 45% reduction of PM10 emissions). The City should ensure that the selected contractor complies</p> | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |

| | | | | |
|--|---|-------------|-----------|------------------------|
| | <p>with the emission standards, as set forth in §2423 of Title 13 of the California Code of Regulations, and Part 89 of Title 40 Code of Federal Regulations.</p> <p>The City of Manteca shall design Circulation Element projects to avoid significant amounts of haul material, such as excavated soil and construction debris -- construction sites should employ a balanced cut/fill ratio to the extent possible. The implementing agency shall prepare and submit a Dust Control Plan to the SJVAPCD at least 30 days prior to any earthmoving or construction activities. The implementing agency shall implement the following measures:</p> <ul style="list-style-type: none"> • Maintain on-site truck loading zones. • Configure on-site construction parking to minimize traffic interference and to ensure emergency vehicle access. • Provide temporary traffic control during all phases of construction activities to improve traffic flow. • Use best efforts to minimize truck idling to not more than two minutes during construction. • Apply non-toxic soil stabilizers (according to manufacturers' specifications) to all inactive construction areas. • During construction, replace ground cover in disturbed areas as quickly as possible. • During construction, enclose, cover, water twice daily or apply non-toxic soil binders (according to manufacturers' specifications) to exposed piles with 5 percent or greater silt content and to all unpaved parking or staging areas or unpaved road surfaces. • During the period of construction, install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash off trucks and any equipment leaving the site each trip. • During the period of construction, assure that traffic speeds on all unpaved roads be reduced to 15 miles per hour or less. • Pave all construction access roads at least 100 feet on to the site from permanent roadways. • Cover all haul trucks. | | | |
| <p>pact 3.2-3: Occasional Localized Carbon Monoxide Concentrations</p> | <p>Mitigation Measure 3.2-2: The City of Manteca shall screen individual projects at the time of design for localized CO hotspot concentrations and if</p> | <p>City</p> | <p>of</p> | <p>Prior to Design</p> |

| | | | | |
|---|---|-----------------|--------------------------|--|
| from Traffic Conditions at Some Individual Locations | necessary incorporate project-specific measures into the project design to reduce or alleviate CO hotspot concentrations. | Manteca | Approval | |
| Impact 3.2-6: Potential to release asbestos from earth movement or structural asbestos from demolition/renovation of existing structures | Mitigation Measure 3.2-3: Prior to construction of Circulation Element projects, the City of Manteca shall assess the site for the presence of asbestos including asbestos from structures such as road base, bridges, and other structures. In the event that asbestos is present, the City of Manteca shall comply with applicable state and local regulations regarding asbestos, including CARB's asbestos airborne toxic control measure (ATCM) (Title 17, CCR § 93105 and 93106), to ensure that exposure to construction workers and the public is reduced to an acceptable level. This may include the preparation of an Asbestos Hazard Dust Mitigation Plan to be implemented during construction activities. | City of Manteca | Prior to Design Approval | |
| BIOLOGICAL RESOURCES | | | | |
| Impact 3.3-1: Direct or Indirect Effects on Candidate, Sensitive, or Special-Status Species including their Habitat or Movement Corridors | <p>Mitigation Measure 3.3-1: Prior to final design approval of individual projects, the City of Manteca shall coordinate with the SJMSCP administrator (SJCOG, Inc.) to verify whether construction within the study area would require a permit. The permit process will require a field reconnaissance of the project study area by an SJCOG approved biologist in an effort to identify any biological constraints, including HCP covered species or habitat. If the biologist identifies HCP covered species or habitat within the limits of the project study area the City of Manteca shall implement all minimization measures and pay the appropriate mitigation fees or provide land in lieu of fees as established by the SJCOG, Inc. If the biologist identifies species or habitat within the project study area that are not covered by the HCP, the City of Manteca shall coordinate with the appropriate regulatory agency (USFWS, NMFS, or CDFG) to obtain the appropriate permits prior to any disturbance to the species or their habitat.</p> <p>Adopted General Plan Policies and Implementation Measures</p> <p><u>Policies</u></p> <ul style="list-style-type: none"> RC-P-32 Protect special status species and other species that are sensitive to human activities. <p><u>Implementation Measures</u></p> <ul style="list-style-type: none"> RC-I-32 Continue to support and comply with the requirements of the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP) when reviewing proposed public and private | City of Manteca | Prior to Design Approval | |

| | | | | |
|---|--|------------------------|---------------------------------|--|
| | <p>land use changes.</p> <p>RC-I-34 Project proponents who opt not to participate in the SJMSCP shall satisfy applicable U.S. Endangered Species Act (ESA), California Endangered Species Act (CESA), National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA), and other applicable local, state, and federal laws and regulation provisions through consultations with the Permitting Agencies and local planning agencies.</p> | | | |
| <p>Impact 3.3-2: Adverse Effects on Riparian Habitat or Other Sensitive Natural Community Identified in Local or Regional Plans, Policies, Regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service, or on Federally Protected Wetlands as Defined by Section 404 of the Clean Water Act through Direct Removal, Filling, Hydrological Interruption, or Other Means</p> | <p>Mitigation Measure 3.3.2. Prior to approval of individual projects, the City of Manteca shall retain a qualified biologist to perform an assessment of the project area to identify wetlands, riparian, and other sensitive aquatic environments. If wetlands are present the qualified biologist shall perform a wetland delineation following the 1987 Army Corps of Engineers Wetlands Delineation Manual. The wetland delineation shall be submitted to the ACOE for verification.</p> <p>Mitigation Measure 3.3.3. If wetlands, riparian, or other sensitive aquatic environments are found within the project area for a individual project, the City of Manteca shall design or modify the project to avoid direct and indirect impacts on these habitats, if feasible. Additionally, the City of Manteca shall minimize the loss of riparian vegetation by trimming rather than removal where feasible.</p> <p>Prior to construction, the City of Manteca shall install orange construction barrier fencing to identify environmentally sensitive areas around the wetland (20' from edge), riparian area (100' from edge), and other aquatic habitats (250' from edge of vernal pool). The location of the fencing shall be marked in the field with stakes and flagging and shown on the construction drawings. The fencing will be installed before construction activities are initiated and will be maintained throughout the construction period. The following paragraph will be included in the construction specifications:</p> <p style="padding-left: 40px;">The Contractor's attention is directed to the areas designated as "environmentally sensitive areas." These areas are protected, and no entry by the Contractor for any purpose will be allowed unless specifically authorized in writing by the City of Manteca. The Contractor will take measures to ensure that Contractor's forces do not enter or disturb these areas, including giving written notice to employees and subcontractors.</p> <p>Temporary fences around the environmentally sensitive areas will be installed as the first order of work. Temporary fences will be furnished, constructed, maintained, and removed as shown on the plans, as specified</p> | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |

| | | | | |
|--|--|--|--|--|
| | <p>in the special provisions, and as directed by the project engineer. The fencing will be commercial-quality woven polypropylene, orange in color, and at least 4 feet high (Tensor Polygrid or equivalent). The fencing will be tightly strung on posts with a maximum 10-foot spacing.</p> <p>Immediately upon completion of construction activities the contractor shall stabilize exposed soil/slopes. On highly erodible soils/slopes, use a nonvegetative material that binds the soil initially and breaks down within a few years. If more aggressive erosion control treatments are needed, geotextile mats, excelsior blankets, or other soil stabilization products will be used. All stabilization efforts should include habitat restoration efforts.</p> <p>Mitigation Measure 3.3.4: If wetlands or riparian habitat are disturbed as part of the individual projects, the City of Manteca shall compensate for the disturbance to ensure no net loss of habitat functions and values. Compensation ratios shall be based on site-specific information and determined through coordination with state, federal, and local agencies as part of the permitting process for the project. The compensation shall be at a minimum ratio of 3 acres restored, created, and/or preserved for every 1 acre disturbed. Compensation may comprise onsite restoration/creation, off-site restoration, preservation, or mitigation credits (or a combination of these elements). The City of Manteca shall develop and implement a restoration and monitoring plan that describes how the habitat shall be created and monitored over a minimum period of time.</p> <p>Adopted General Plan Policies and Implementation Measures</p> <p><u>Policies</u></p> <ul style="list-style-type: none"> • BR-P-30 Condition new development in the vicinity of the San Joaquin River and Walthall Slough to promote and protect riparian habitat, wetlands, and other native vegetation and wildlife community. • BR-P-34 Consider the development of new drainage channels planted with native vegetation, which would provide habitat as well as drainage. <p><u>Implementation Measures</u></p> <ul style="list-style-type: none"> • RC-I-32 Continue to support and comply with the requirements of the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP) when reviewing proposed public and private land use changes. • RC-I-33 For project proponents who opt against participation in the SJMSCP, require site-specific research, and ground surveys for proposed development projects. This research must include a detailed | | | |
|--|--|--|--|--|

| | | | | |
|--|--|------------------------|---------------------------------|--|
| | <p>inventory of all biological resources onsite, and appropriate mitigation measures for avoiding or reducing impact to these biological resources. This requirement may be waived if determined by the City that the proposed project area is already sufficiently surveyed.</p> <ul style="list-style-type: none"> • RC-I-34 Project proponents who opt not to participate in the SJMSCP shall satisfy applicable U.S. Endangered Species Act (ESA), California Endangered Species Act (CESA), National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA), and other applicable local, state, and federal laws and regulation provisions through consultations with the Permitting Agencies and local planning agencies. • BR-I-36 Limit the access of pedestrians and cyclists to wetland areas so that access is compatible with long-term protection of these natural resources. <p>BR-I-38 Until such time that a Clean Water Act regional general permit or its equivalent is issued for coverage under the SJMSCP, acquisition of a Section 404 permit by project proponents will continue to occur as required by existing regulations. Project proponents shall comply with all requirements for protecting federally protected wetlands.</p> | | | |
| <p>Impact 3.3-3: Interference with the Movement of 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</p> | <p>Mitigation Measure 3.3-5: Prior to design approval of individual projects that contain movement habitat, the City of Manteca shall incorporate economically viable design measures, as applicable and necessary, to allow wildlife or fish to move through the transportation corridor, both during construction activities and post construction. Such measures may include appropriately spaced breaks in a center barrier, or other measures that are designed to allow wildlife to move through the transportation corridor. If the project cannot be designed with these design measures (i.e. due to traffic safety, etc.) the City of Manteca shall coordinate with the appropriate regulatory agency (i.e. USFWS, NMFS, CDFG) to obtain regulatory permits and implement alternative project-specific mitigation prior to any construction activities.</p> <p>Adopted General Plan Policies and Implementation Measures</p> <p><u>Policies</u></p> <ul style="list-style-type: none"> • RC-P-31. Minimize impact of new development on native vegetation and wildlife. • RC-P-32. Condition new development in the vicinity of the San Joaquin River and Walthall Slough to protect riparian habitat, | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |

| | | | | |
|--|---|------------------------|---------------------------------|--|
| | <p>wetlands, and other native vegetation and wildlife communities and habitats.</p> <ul style="list-style-type: none"> • RC-P-34. Protect special status species and other species that are sensitive to human activities. • RC-P-35. Allow contiguous habitat areas. • RC-P-36. Consider the development of new drainage channels planted with native vegetation, which would provide habitat as well as drainage. <p><u>Implementation Measures</u></p> <ul style="list-style-type: none"> • RC-I-32. Continue to support and comply with the requirements of the San Joaquin County Multi-Species Habitat Conservation and Open Space Plan (SJMSCP) when reviewing proposed public and private land use changes. • RC-I-33. Project proponents who opt not to participate in the SJMSCP shall: <ul style="list-style-type: none"> ○ Satisfy applicable U.S. Endangered Species Act (ESA), California Endangered Species Act (CESA), National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA), and other applicable local, state, and federal laws and regulation provisions through consultations with the Permitting Agencies and local planning agencies. <p>Provide site-specific research and ground surveys for proposed development projects. This research must include a detailed inventory of all biological resources onsite, and appropriate mitigation measures for avoiding or reducing impact to these biological resources. This requirement may be waived if determined by the City that the proposed project area is already sufficiently surveyed.</p> | | | |
| <p>Impact 3.3-4: Potential Introduction or Spread of Noxious Weeds Associated with the Transportation Projects</p> | <p>Mitigation Measure 3.3.6: Prior to approval of transportation projects, the City of Manteca shall retain a qualified botanist determine whether noxious weeds are an issue for the project. If the botanist determines that noxious weeds are an issue, the City of Manteca shall review the noxious weed list from the County Agricultural Commission, California Department of Food and Agriculture, and the California Exotic Pest Plant Council to identify target weed species for a field survey. Noxious weed infestations shall be mapped and documented. The City of Manteca shall incorporate the following measures into project plans and specifications:</p> <ul style="list-style-type: none"> • Certified, weed-free, imported erosion-control materials (or rice | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |

| | | | | |
|---|--|------------------------|---------------------------------|--|
| | <p>straw in upland areas) will be used.</p> <ul style="list-style-type: none"> • The project sponsor will coordinate with the county agricultural commissioner and land management agencies to ensure that the appropriate BMPs are implemented. • Construction supervisors and managers will be educated about noxious weed identification and the importance of controlling and preventing their spread. • Equipment will be cleaned at designated wash stations after leaving noxious weed infestation areas. | | | |
| CULTURAL RESOURCES | | | | |
| <p>Impact 3.4-1: Damage to or the Destruction of Archaeological Resources</p> | <p>Adopted General Plan Policies and Implementation Measures</p> <p><u>Policies</u></p> <ul style="list-style-type: none"> • RC-P-37. The City shall not knowingly approve any public or private project that may adversely affect an archaeological site without consulting the California Archaeological Inventory at Stanislaus State University, conducting a site evaluation as may be indicated, and attempting to mitigate any adverse impacts according to the recommendation of a qualified archaeologist. City implementation of this policy shall be guided by the California Environmental Quality Act (CEQA) and the National Historic Preservation Act (NHPA). • RC-P-38. The City shall require that the proponent of any development proposal in an area with potential archaeological resources, and specifically near the San Joaquin River and Walthall Slough, and on the east side of State Highway 99 at the Louise Avenue crossing, shall consult with the California Archaeological Inventory, Stanislaus State University to determine the potential for discovery of cultural resources, conduct a site evaluation as may be indicated, and mitigate any adverse impacts according to the recommendation of a qualified archaeologist. The survey and mitigation shall be developer funded. <p><u>Implementation Measures</u></p> <ul style="list-style-type: none"> • RC-I-38. Require a records search for any proposed development project, to determine whether the site contains known archaeological, historic, or cultural resources and/or to determine the potential for discovery of additional cultural resources. This requirement may be waived if determined by the City that the | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |

| | | | | |
|--|--|-----------------|--------------------------|--|
| | <p>proposed project area is already sufficiently surveyed.</p> <ul style="list-style-type: none"> RC-I-39. Require that sponsors of proposed development projects on sites where probable cause for discovery of archaeological resources (as indicated by records search and where resources have been discovered in the vicinity of the project) retain a consulting archaeologist to survey the project site. If unique resources, as defined by California State law, are found, a qualified archaeologist or historian shall be called to evaluate the find and to recommend proper action. Require a monitoring plan for the project to ensure that mitigation measures are implemented. RC-I-40. When feasible, incorporate significant archaeological sites into open space areas. | | | |
| Impact 3.4-2: Inadvertent Discovery of Human Remains | <p>Adopted General Plan Implementation Measure <u>Implementation Measure</u></p> <ul style="list-style-type: none"> RC-I-46. If human remains are discovered, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made the necessary findings as to their origin and disposition pursuant to Public Resource code Section 5097.98. If the Coroner determines that no investigation of the cause of death is required, and if the remains are of Native American origin, the Coroner will notify the Native American Heritage Commission, which in turn will inform a most likely descendent. The descendent will then recommend to the landowner appropriate disposition of the remains and any grave goods. | City of Manteca | During construction | |
| Impact 3.4-4: Damage to or the Destruction of Historical Resources | <p>Adopted General Plan Implementation Measure <u>Policies</u></p> <ul style="list-style-type: none"> RC-P-39. The City shall set as a priority the protection and enhancement of Manteca's historically and architecturally significant buildings. RC-P-40. The City shall work with property owners seeking registration of historical structures as Historic Landmarks or listing on the Register of Historic Sites. RC-P-41. The City shall prepare and adopt a Historical Preservation Ordinance. RC-P-42. The City and Redevelopment Agency shall support the efforts of property owners to preserve and renovate historic and | City of Manteca | Prior to Design Approval | |

| | | | | |
|--|--|--|--|--|
| | <p>architecturally significant structures. Where such buildings cannot be preserved intact, the City shall seek to preserve the building facades.</p> <p><u>Implementation Measures</u></p> <ul style="list-style-type: none"> • RC-I-38. Require a records search for any proposed development project, to determine whether the site contains known archaeological, historic, or cultural resources and/or to determine the potential for discovery of additional cultural resources. This requirement may be waived if determined by the City that the proposed project area is already sufficiently surveyed. • RC-I-39. Require that sponsors of proposed development projects on sites where probable cause for discovery of archaeological resources (as indicated by records search and where resources have been discovered in the vicinity of the project) retain a consulting archaeologist to survey the project site. If unique resources, as defined by California State law, are found, a qualified archaeologist or historian shall be called to evaluate the find and to recommend proper action. Require a monitoring plan for the project to ensure that mitigation measures are implemented. • RC-I-41. The City should continue its inventory of all historic sites throughout the City. The inventory should contain a narrative of the significant facts regarding the historic events or persons associated with the site, and pictures of the site. • RC-I-42. The City shall continue to support the local historical society in their efforts to archive historic information, including photographs, publications, oral histories and other materials, and to make the information available to the public for viewing and research. • RC-I-43. All City permits for reconstruction or modification of existing buildings will require submittal of a photograph of the existing structure or site. The intent is to create a record of the buildings in the City over time. A photograph will also be required for vacant sites that will be modified with new construction of new buildings or other above ground improvements. • RC-I-44. Encourage the placement of monuments or plaques that recognize and celebrate historic sites, structures, and events. • RC-I-45. The City shall adopt and implement a historic building code, as authorized by state law. | | | |
|--|--|--|--|--|

| GEOLOGY AND SOILS | | | | |
|---|--|------------------------|---|--|
| <p>Impact 4.5.3: Potential to expose people or structures to substantial adverse effects, including the risk of loss, injury, or death involving rupture of a fault, strong seismic ground shaking, liquefaction, landslides, lateral spreading, or subsidence.</p> | <p>Adopted General Plan Policies</p> <ul style="list-style-type: none"> • S-P-1 The City shall require preparation of geological reports and/or geological engineering reports for proposed new development located in areas of suspected significant geological hazards, including potential subsidence (collapsible surface soils) due to groundwater extraction. • S-P-2 The City shall require new development to mitigate the potential impacts of geologic hazards through Building Plan review. • S-P-3 The City shall require new development to mitigate the potential impacts of seismic induced settlement of uncompacted fill and liquefaction (water-saturated soil) due to the presence of a high water table. • S-P-5 The City shall ensure that all public facilities, such as buildings, water tanks, and reservoirs, are structurally sound and able to withstand seismic shaking and the effects of seismically induced ground failure. • SG-I-1 All new development shall comply with the current Uniform Building Code (UBC) requirements for Seismic Zone 3, which stipulates building structural material and reinforcement. • SG-I-2 All new development shall comply with California Health and Safety Code Section 19100 et seq. (Earthquake Protection Law), which requires that buildings be designed to resist stresses produced by natural forces caused earthquakes and wind. | <p>City of Manteca</p> | <p>Prior to Design Approval/during construction</p> | |
| <p>Impact 4.5.4: Potential to result in substantial soil erosion or the loss of topsoil.</p> | <p>Adopted General Plan Policies</p> <ul style="list-style-type: none"> • RC-I-16 All new development shall comply with the Uniform Building Code (UBC) requirements for specific site development and construction standards for specific soils types. • RC-I-17 All new development shall comply with the Uniform Building Code (UBC), Chapter 70, regulating grading activities including drainage and erosion control. • RC-I-18 Require site-specific land management and development practices for proposed development projects, including appropriate mitigation measures for avoiding or reducing erosion. | <p>City of Manteca</p> | <p>Prior to Design Approval/during construction</p> | |

| | | | | |
|---|--|------------------------|---------------------------------|--|
| | <p>Mitigation Measure 5.2-1: In addition to applicable adopted General Plan policies, the impact of a soil erosion from projects that are implemented under the Circulation Element and the Public Facilities Implementation Program can be minimized by implementing the following measures:</p> <ul style="list-style-type: none"> • Comply with NPDES General Construction Permit requirements. To reduce or eliminate construction-related water quality effects, the City or its agents will ensure that transportation improvement projects comply with the requirements of the NPDES General Construction Permit. The City will obtain coverage under the General Construction Permit before the onset of any construction activities, where the disturbed area is 1 acre or greater in size. • A SWPPP will be developed by a qualified engineer or erosion control specialist in accordance with the NPDES General Construction Permit requirements. The SWPPP will be implemented prior to the issuance of any grading permit before construction. The SWPPP will be kept on site during construction activity and will be made available upon request to representatives of the RWQCB. • Compliance and coverage under the NPDES General Construction Permit will require controls of pollutant discharges that utilize BMPs and technology to reduce erosion and sediments to meet water quality standards. BMPs may consist of a wide variety of measures taken to reduce pollutants in stormwater runoff from the construction site. Measures may include, temporary erosion control measures (such as silt fences, staked straw bales/wattles, silt/sediment basins and traps, check dams, geofabric, sandbag dikes, and temporary revegetation or other ground cover) will be employed to control erosion from disturbed areas. • Final selection of BMPs will be subject to approval by the City. The City will verify that an NOI has been filed with the SWRCB, and a SWPPP has been developed before allowing construction to begin. | | | |
| <p>Impact 4.5.5: Creation of risks to life or property from being located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code.</p> | <p>Adopted General Plan Policies: The impact of expansive soils can be minimized by incorporating design features and operating requirements into projects that are implemented under the Circulation Element and the Public Facilities Implementation Program. Each project shall be consistent with the following General Plan Policies:</p> <ul style="list-style-type: none"> • S-P-1 The City shall require preparation of geological reports and/or geological engineering reports for proposed new | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |

| | | | | |
|---|--|------------------------|---------------------------------|--|
| | <p>development located in areas of suspected significant geological hazards, including potential subsidence (collapsible surface soils) due to groundwater extraction.</p> <ul style="list-style-type: none"> • S-P-2 The City shall require new development to mitigate the potential impacts of geologic hazards through Building Plan review. • RC-I-16 Comply with the Uniform Building Code (UBC) requirements for specific site development and construction standards for specific soil types. | | | |
| HAZARDS AND HAZARDOUS MATERIALS | | | | |
| <p>Impact 4.5.8: Create a significant hazard to the public or the environment involving the release or emissions of hazardous materials into the environment, or within one-quarter mile of an existing or proposed school.</p> | <p>Adopted General Plan Policies: The impact from emitting or handling hazardous materials near schools can be minimized by proper handling of such materials. Each project implemented under the Circulation Element and the Public Facilities Implementation Program shall be consistent with the following General Plan Policies:</p> <ul style="list-style-type: none"> • SP-P-16 City approvals of all new development shall consider the potential for the production, use, storage, and transport of hazardous materials and provide for reasonable controls on such hazardous materials. <p>Mitigation Measure 5.2-2: In addition to previous adopted General Plan policies, the impact from release of hazardous materials from projects that are implemented under the Circulation Element and the Public Facilities Implementation Program can be minimized by implementing the following measures:</p> <ul style="list-style-type: none"> • Implement site-specific analysis for hazardous materials, remediation, and clean-up. The City shall investigate potential for improvement projects to be located at or near areas that are reasonably expected to contain hazardous materials, DTSC sites, areas containing ADL, or at any structure that may contain asbestos. If a project site is found to be contaminated, clean up measures in accordance with the appropriate regulatory agency procedures will be implemented. Additionally, appropriate remediation measures will be employed to ensure worker safety during construction. | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |

| | | | | |
|---|--|------------------------|---------------------------------|--|
| <p>Impact 4.5.10: Potential to impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.</p> | <p>Mitigation Measure 5.2-3: Prepare and implement a transportation management plan if it is determined that a project could hinder emergency access. The City shall assess the necessity of a Transportation Management Plan (TMP) on a project-by-project basis. If the project will result in road closures, traffic detours, or congestion on main thoroughfares or roads that provide primary access to populated areas, a TMP will be prepared prior to the initiation of project construction. The TMP will be provided to all emergency service providers in the metropolitan area and will notify them of anticipated dates and hours of construction, as well as any anticipated limits on access. Notice will be provided at least 5 days before construction begins.</p> | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |
| <p>GREENHOUSE GASES AND CLIMATE CHANGE</p> | | | | |
| <p>Impact 3.5.1: CO2 Emission Effects on Climate Change and Global Warming</p> | <p>Mitigation Measure 3.5-1: Coordinate with the SJCOG as they develop a Sustainable Communities Strategy (SCS) in compliance with SB 375. This will involve county-wide land use scenarios that reflect different population distributions and land use (mix and density), and multimodal transportation strategies, utilizing the SJCOG regional travel demand model in coordination with a rapid fire tool similar to I-Places. Land use scenarios for Manteca should demonstrate potential reductions in vehicle miles traveled (VMT) and total vehicle miles; GHG, conventional and toxic air pollutant emissions; long distance commute trips; and other such factors consistent with state and federal law.</p> <p>Mitigation Measure 3.5-2: Coordinate with the San Joaquin Council of Governments as they develop and implement a Congestion Management Plan to provide a consistent and coordinated approach for responding to congestion through the investment in roadway capacity increasing measures once all reasonable non-capacity measures have been employed.</p> <p>Mitigation Measure 3.5-3: Participate in the SJCOG Smart Growth Incentive Program. The Measure K Renewal Smart Growth Incentive Program funds are available for infrastructure improvements and planning grants that will assist local agencies in better integrating transportation and land use, such as street calming, walkable community projects, transit amenities and alternative modes of transportation. These funds promote infill development in walkable areas thereby increasing living and transportation choices while reducing reliance on automobiles, and to reward jurisdictions that approve new housing and mixed-use development in urban locations near transit hubs (station, transit center,</p> | <p>City of Manteca</p> | <p>Ongoing</p> | |

| | | | | |
|--|---|------------------------|----------------|--|
| | <p>bus stops serving two or more routes).</p> <p>Mitigation Measure 3.5-4: Insure that planning efforts include the following:</p> <ul style="list-style-type: none"> • Support development patterns that are amenable to transit, bicycle and pedestrian facilities • Continue to encourage use of transit • Incorporate bicycle facilities into transportation projects • Implement Complete Streets design concepts • Seek funding for bicycle projects and maintenance from local, state and federal sources • Assist and encourage employers to promote the use of bicycle facilities and safety <p>Mitigation Measure 3.5-5: Seek funding for the development of a Climate Action Plan (CAP) and insure that Manteca's planning efforts address climate change and greenhouse gas emissions. Once funded, the CAP should include the following components</p> <ul style="list-style-type: none"> • Baseline inventory of GHG emissions from municipal sources. • A target reduction goal consistent with AB 32. • Policies and measures to reduce GHG emissions. • Quantification of the effectiveness of the proposed policies and measures. • A monitoring program to track the effectiveness and implementation of the CAP. | | | |
| <p>Impact 3.5.2: Energy Consumption Effects on Climate Change and Global Warming</p> | <p>Mitigation Measure 3.5-6: Consistent with Appendix F of the CEQA Guidelines, the City of Manteca should:</p> <ul style="list-style-type: none"> • Promote measures to reduce wasteful, inefficient and unnecessary consumption of energy during construction, operation, maintenance and/or removal of projects. As the individual projects are designed there should be an explanation as to why certain measures were incorporated in the project and why other measures were dismissed. • Site, orient, and design projects to minimize energy consumption, increase water conservation and reduce solid-waste. • Promote efforts to reduce peak energy demand in the design and operation of projects. • Promote the use of alternate fuels (particularly renewable ones) or energy systems for projects. | <p>City of Manteca</p> | <p>Ongoing</p> | |

| | | | | |
|--|--|------------------------|---|--|
| | <ul style="list-style-type: none"> Promote efforts to recycle materials used in the construction (including demolition phase) of projects. | | | |
| HYDROLOGY AND WATER QUALITY | | | | |
| <p>Impact 4.5.12: Potential to violate any water quality standards or waste discharge requirements or 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.</p> | <p>Adopted General Plan Policies</p> <ul style="list-style-type: none"> RC-I-1 Continue to implement standards for water conserving landscape practices, including the use of drought tolerant plants, for both public and private projects. RC-I-22 Maintain a buffer area between waterways and urban development to protect water quality and riparian areas. RC-I-23 Utilize cost-effective urban runoff controls, including Best Management Practices (BMPs), to limit urban pollutants from entering the water courses. RC-I-24 Comply with the Regional Water Control Board's regulations and standards to maintain and improve groundwater and surface water quality in Manteca RC-P-11 Minimize pollution of waterways and other surface water bodies from urban runoff. RC-P-12 Protect the quality of Manteca's groundwater. <p>Mitigation Measure 5.2-4: In addition to previous mitigation measures, the impact on water quality from each project implemented under the Circulation Element and the Public Facilities Implementation Program can be minimized by implementing the following measures:</p> <ul style="list-style-type: none"> Comply with NPDES General Construction Permit requirements. Develop a SWPPP in accordance with the NPDES General Construction Permit requirements. Keep the SWPPP on site during construction activity and available upon request by the RWQCB. Compliance and coverage under the NPDES General Construction Permit will require controls of pollutant discharges that utilize BMPs and technology to reduce erosion and sediments to meet water quality standards. Develop and implement a spill prevention and control program to minimize the potential for, and effects from, spills of hazardous, toxic, or petroleum substances during all construction activities. Obtain an NPDES permit and Waste Discharge Requirement from the Central Valley RWQCB before discharging any dewatered effluent to surface water. | <p>City of Manteca</p> | <p>Prior to Design Approval/during construction</p> | |

| | | | | |
|---|--|------------------------|---------------------------------|--|
| | <ul style="list-style-type: none"> Implement measures to maintain water quality after construction. General site design control measures incorporated into the project design can include: conserving natural areas; protecting slopes and channels; minimizing impervious areas; storm drain identification, and appropriate messaging and signing; and minimizing effective imperviousness through the use of turf buffers and/or grass-lined channels, if feasible. | | | |
| <p>Impact 4.5.13: Potential to substantially alter the existing drainage of the area in a manner which would result in substantial erosion, siltation, or flooding on- or off-site, or otherwise substantially degrade water quality.</p> | <p>Adopted General Plan Policies</p> <ul style="list-style-type: none"> S-I-6 Discourage large continuous paved areas unless provided with engineered drainage facilities. <p>Mitigation Measure 5.2-5: In addition to previous mitigation measures, the impact on drainage from each project implemented under the Circulation Element and the Public Facilities Implementation Program can be minimized by implementing the following measures:</p> <ul style="list-style-type: none"> Conduct project-level drainage studies. This study should include: 1) runoff calculations (pre-development and post-development); 2) an assessment of existing drainage facilities and necessary upgrades/repairs; and 3) a maintenance program. Avoid project designs that require continual de-watering activities for the life of the projects. | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |
| <p>LAND USE AND PLANNING</p> | | | | |
| <p>Impact 3.6-1: Physical Division of an Established Community</p> | <p>Mitigation Measure 3.6.1: Prior to approval of individual projects, the City of Manteca shall review the proposed design to ensure that the project will not physically divide the community. The consultation should include a more detailed project-level analysis of land uses adjacent to proposed improvements to identify specific impacts. The analysis should consider new road widths and specific project locations in relation to existing roads. If it is determined that a project could physically divide a community, the City of Manteca shall redesign the project to avoid the impact, if feasible. The measures could include realignment of the improvements to avoid the affected community. Where avoidance is not feasible, the City of Manteca shall incorporate minimization measures to reduce the impact. The measures could include: alignment modifications, right-of-way reductions, provisions for bicycle, pedestrian, and vehicle facilities, and enhanced</p> | <p>City of Manteca</p> | <p>Prior to Design Approval</p> | |

| | | | | |
|--|---|------------------------|----------------|--|
| | landscaping and architecture. | | | |
| <p>Impact 3.6-2: Conflicts with Applicable Land Use Plan, Policy, or Regulation Adopted to Avoid or Mitigate an Environmental Effect</p> | <p>Mitigation Measure 3.6-2: The City of Manteca shall have continued coordination with SJCOG during the development and implementation of the Regional Congestion Management Plan (CMP) to provide a consistent and coordinated approach for responding to congestion on CMP monitored roadways in Manteca through the investment in roadway capacity increasing measures once all reasonable non-capacity measures have been employed. The coordination efforts should include:</p> <ul style="list-style-type: none"> • Adherence to the SJCOG's level of service standard for all regional CMP roadway facilities, or in the case of "planned" level of service deficiencies approved by the City of Manteca, provide SJCOG with a Deficiency Plan to address the deficiency. • Adherence to the SJCOG's standards for the frequency and routing of public transit. • Adherence to the SJCOG programs and policies that are designed to reduce automobile trip generation from newly developed residential and employment centers. • Adherence to the SJCOG programs and policies that are designed to reduce automobile trip generation from newly developed residential and employment centers. • Adherence to the SJCOG's trip reduction and travel demand programs that promotes alternative transportation modes. • Provide SJCOG with the opportunity to review all development proposals so that they can comment on their regional impact and appropriate mitigation to address impacts to the regional transportation system. <p>Mitigation Measure 3.6-3: The City of Manteca shall coordinate with SJCOG during the development of the Sustainable Communities Strategy (SCS) for San Joaquin County in compliance with SB 375. This effort will require coordination of Manteca's land use and transportation planning efforts to ensure that SJCOG's regional planning efforts complement each other. This will involve SJCOG's development of a countywide land use scenarios that reflects different population distributions and land use (mix and density), and multimodal transportation strategies, utilizing the SJCOG regional travel demand model in coordination with a rapid fire tool similar to I-Places. Scenarios will be developed to identify the alternatives that demonstrate potential reductions in vehicle miles traveled (VMT) and total vehicle miles; GHG, conventional and toxic air pollutant emissions; long distance commute trips; and other such factors that are consistent with</p> | <p>City of Manteca</p> | <p>Ongoing</p> | |

| | | | | |
|--|--|------------------------|----------------|--|
| | <p>state and federal law. Upon completion of the SCS, the City of Manteca shall present the land use and transportation development scenario to the Manteca City Council for consideration.</p> | | | |
| <p>Impact 3.6-4: Induce Substantial Population Growth in an Area</p> | <p>Mitigation Measure 3.6-4: The City of Manteca shall coordinate with SJCOG to secure funds for transportation projects through the Measure K Smart Growth Incentive Program. The program seeks the following:</p> <ul style="list-style-type: none"> • A minimum of \$65 million in state and federal transportation funding or Measure K funding will be made available for smart growth incentives to local jurisdictions in San Joaquin County. These funds will be made available for infrastructure improvements and planning grants that will assist local agencies in better integrating transportation and land use, such as street calming, walkable community projects, transit amenities and alternative modes of transportation. These funds will be available to enhance infill development, neighborhood revitalization and downtown improvements. • The program promotes infill development in walkable areas thereby increasing living and transportation choices while reducing reliance on automobiles, and to reward jurisdictions that approve new housing and mixed-use development in urban locations near transit hubs. Projects to serve cities currently not served by high-frequency transit service that are creating conditions that would allow for increased transit service, encourage livable communities, support mixed use development, and/or support infill and redevelopment of downtown areas are eligible. In high frequency transit areas eligible projects must be within walking distance of transit hubs (station, transit center, bus stops serving two or more routes). Investments in transit hubs themselves are eligible. <p>This program aims to capitalize on public investments in transportation infrastructure, help rebuild and revitalize town centers and main streets, promote infill development, create more walkable communities, encourage transit use, and address regional housing needs. When allocating dollars for housing projects a minimum overall density of 10 units per acre with bonus points for higher densities and affordable housing will be used. Mixed use developments must have an average of 12 units per acre and be at least 50% housing.</p> | <p>City of Manteca</p> | <p>Ongoing</p> | |
| <p>Noise</p> | | | | |

| | | | | |
|---|--|------------------------|---|--|
| <p>Impact 3.7-1: Grading and Construction Activities Would Intermittently and Temporarily Generate Noise Levels Above Ambient Background Levels</p> | <p>Mitigation Measure 3.7-1: Subsequent projects under the Circulation Element shall be designed and implemented to reduce adverse construction noise and vibration impacts to sensitive receptors, as feasible. Measures to reduce noise and vibration effects may include, but are not limited to:</p> <ul style="list-style-type: none"> • Construction of temporary sound barriers to shield noise-sensitive land uses. • Location of noise-generating stationary equipment (e.g., power generators, compressors, etc.) at the furthest practical distance from nearby noise-sensitive land uses. • Phase demolition, earth-moving and ground-impacting operations so as not to occur in the same time period. • Use of equipment noise-reduction devices (e.g., mufflers, intake silencers, and engine shrouds) in accordance with manufacturers' recommendations. • Substituting noise/vibration-generating equipment with equipment or procedures that would generate lower levels of noise/vibration. For instance, in comparison to impact piles, drilled piles or the use of a sonic or vibratory pile driver are preferred alternatives where geological conditions would permit their use. • Limit noise-generating construction activities, excluding those that would result in a safety concern to workers or the public, to the hours of 7 a.m. to 8 p.m., as outlined in Section 9.52.040.K of the City of Manteca Municipal Code. • Other specific measures as they are deemed appropriate by the implementing agency to maintain consistency with adopted policies and regulations regarding noise and groundborne vibration levels. | <p>City of Manteca</p> | <p>Prior to Design Approval/during construction</p> | |
| <p>TRANSPORTATION AND CIRCULATION</p> | | | | |
| <p>Impact 3.8-2: Increase in traffic volumes would increase delay and/or volume-to-capacity ratios at traffic facilities creating unacceptable operations</p> | <p>Mitigation Measure 3.8.1: The City of Manteca shall either update the PFF to include additional lanes/wider segments at facilities that are operating at unacceptable levels, or adopt an alternative LOS standard for that particular roadway/intersection.</p> <p>Mitigation Measure 3.8.2: The City of Manteca shall coordinate transportation planning efforts with neighboring jurisdictions to ensure that LOS is maintained at acceptable levels.</p> | <p>City of Manteca</p> | <p>On-going</p> | |
| <p>Impact 3.8-4: Implementation proposed project could increase</p> | <p>Mitigation Measure 3.8.3: The City of Manteca shall coordinate with the City of Ripon and Caltrans to either: 1) develop a design that would</p> | <p>City of Manteca</p> | <p>On-going</p> | |

| | | | | |
|---|--|--|--|--|
| <p>traffic volumes in locations that would adversely affect bicycle and pedestrian travel or lead to increased bicycle or pedestrian demand in areas where adequate non-motorized facilities do not exist</p> | <p>accommodate the McKinley Avenue Expressway and the Olive Expressway with collector-distributor ramps, braded ramps, or other geometric considerations, or 2) try to develop an interchange design and location along SR 99 that would accommodate the needs of the both Cities, while meeting the spacing requirements of Caltrans.</p> | | | |
|---|--|--|--|--|

This page intentionally left blank.