

# APPENDIX R

## Summary of Impacts and Mitigation Measures 2035 MTP and 2027 RTP and Relationship to 2035 RTP

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>3.1 POPULATION AND HOUSING</b>									
<b>Impact POP – 1:</b> Inducement of substantial population growth.	Less than significant.	No mitigation is required.	N/A	<b>3.1-1</b> Overall population, housing and employment growth, and dispersion in Placer County.	Potentially significant.	<b>3.11(a) Jurisdictions</b> shall monitor transportation impacts of local land use decisions. The RTP is intended to mitigate the impact of planned growth consistent with local general plans and EIRs. Should the local general plans be amended, local jurisdictions are required to evaluate proposed amendments to determine whether additional action needs to be taken.	Reduced to less than significant.	The applicable Placer County agencies shall be responsible for population and housing mitigation adherence as part of plan amendments.	Goal 1, Objective A; & Goal 9, Objective A, B & D
<b>Impact POP – 1:</b> Inducement of substantial population growth.	Less than significant.	No mitigation is required.	N/A	<b>3.1-2</b> Changes in the distribution of the population within Placer County.	Less than significant.	None required.	Less than significant.		Goal 9, Objective A
<b>Impact POP – 2:</b> Displacement of substantial numbers of existing housing or people, necessitating the construction of replacement housing elsewhere.	Potentially significant at the project level.	Mitigation Measure POP – 1: Develop and Implement a Relocation Plan.	Potentially significant at the project level.	<b>3.1-3 Existing</b> housing within Placer County in the immediate vicinity of planned improvements.	Less than significant.	None required.	Less than significant.		Goal 9, Objectives A & B
<b>3.2 LAND USE PLANNING</b>									
<b>Impact LU - 4:</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.	Less than significant.	No mitigation is required.	N/A	<b>3.2-1</b> Conflict with adopted environmental and planning documents within and affecting Placer County.	Less-than-significant.	<b>3.2-1(a)</b> Individual projects included within the 2027 RTP shall be reviewed for consistency by local jurisdictions and, as appropriate, transportation agencies, with applicable local and state plans, programs and policies at the time the individual projects are implemented.	Less-than-significant.	The applicable Placer County agencies shall be responsible for land use planning mitigation adherence through land use planning project review.	Goal 1, Objective A; & Goal 9, Objectives A & B
<b>Impact LU - 5:</b> Conflict with an Applicable Habitat Conservation Plan or Natural Community Conservation Plan.	Potentially significant at the project level.	<b>Mitigation Measure LU - 3:</b> Conduct Site-Specific Review of Project Design Improvements to Determine Conflict with NCHCP.  <b>Mitigation Measure LU - 4:</b> Amend NCHCP before Building conflicting transportation projects.	Potentially significant at the project level.						Goal 9, Objectives A & B  Goal 9, Objectives A & B

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<b>Impact LU - 1:</b> Physical Division of an Established Community by Highway and Road Projects.	Potentially significant at the project level.	<b>Mitigation Measure LU – 1a:</b> Conduct Site-Specific Review of Project Design Improvements to Determine Effects on Established Communities.	Potentially significant at the project level.						Goal 9, Objectives A & B
		<b>Mitigation Measure LU – 1b:</b> Conduct Site-Specific Review of Project Design Improvements to Determine Effects on Established Communities and Design Project Improvements to Avoid or Minimize Physical Division of an Existing Community.							Goal 9, Objectives A & B
		<b>Mitigation Measure LU - 2:</b> Initiate a “Complete Streets” Technical Assistance Program.							Goal 6, Objective C; & Goal 9, Objectives A & B
<b>Impact LU - 2:</b> Physical Division of an Established Community by Transit Projects.	Less than significant.	No mitigation is required.	N/A	<b>3.2-2</b> Disruption of the natural ecology and community development patterns along various roadways.	Significant and unavoidable.	<b>3.2-2(a)</b> Where vegetation removal occurs, areas outside the travel way should be revegetated with comparable size and species of trees and shrubs to the extent feasible.	Significant and unavoidable.	The project proponent or local jurisdiction shall be responsible for revegetation, alignment review, safety measure implementation, and access maintenance mitigation adherence.	Goal 1, Objectives A & B; Goal 2, Objective B; & Goal 9, Objectives A & B
<b>Impact LU - 3:</b> Physical Division of an Established Community by Bicycle and Pedestrian Projects.	Less than significant.	No mitigation is required.	N/A			<b>3.2-2(b)</b> Whenever feasible, specific roadway alignments shall be designed to avoid existing structures.			Goal 6, Objectives A - D; & Goal 9, Objectives A & B
						<b>3.2-2(c)</b> Implement safety procedures including warning signs, traffic cones, flaggers, traffic regulating devices, as necessary.			Goal 1, Objective B
<b>Impact LU-6:</b> Concurrent implementation of the proposed plan and forecast development of residential and employment land uses would result in expansion of urban areas and changes in land use and the character of neighborhoods and districts in the Sacramento Region.	Significant and unavoidable.	<b>Mitigation Measure LU-6:</b> Continue to Implement the Sacramento Region’s Blueprint growth strategy through the Community Design Grant Program and other Implementation Programs.	Significant and unavoidable.						Goal 9, Objectives A & B
								<b>Mitigation Measure AG – 3:</b> Identify Open Spaces Areas to be Preserved through Dedication or Fee Payment.	
						<b>3.2-2(d)</b> Individual projects should be designed to minimize long-term community disruption by maintaining access between residential and community services.			Goal 2, Objective B; & Goal 9, Objectives A & B

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<b>Impact AG-2:</b> Conflict with existing zoning for agricultural use, or a Williamson Act contract.	Potentially significant at the project level.	<b>Mitigation Measure AG - 4:</b> Obtain Appropriate Permits, and Minimize Impacts of Agricultural Zoning Conflicts.	Potentially significant at the project level.	<b>3.2-3:</b> Disturbance or loss of significant agricultural resources in the county.	Potentially significant.	<b>3.2-3(a)</b> Individual projects shall be consistent with federal, state, and local policies that preserve agricultural lands and support the economic viability of agricultural activities, as well as policies that provide compensation for property owners if preservation is not feasible.	Significant and unavoidable.	The applicable Placer County agencies shall be responsible for project review and other specified measures for agricultural lands preservation.	Goal 1, Objective C; & Goal 9, Objectives A & B	
<b>Impact AG-3:</b> Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use.	Potentially significant at the project level.	<b>Mitigation Measure AG - 2:</b> Evaluate the Potential for Direct Farmland Conversion at the Project Level and Avoid, Minimize, and Compensate for Loss of Farmland.	Potentially significant at the project level.			<b>3.2-3(b)</b> For projects in agricultural areas, project implementing agencies shall contact the California Department of Conservation and each county's Agricultural Commissioner's office to identify the location of prime farmlands and lands that support crops considered valuable to the local or regional economy. Individual projects shall be consistent with federal, state, and local policies that preserve agricultural.			Goal 9, Objectives A & B	
		<b>Mitigation Measure AG - 5:</b> Design Project Improvements to Minimize Impacts on Open Space and Agriculture.				<b>3.2-3(c)</b> Prior to final approval of each project, the implementing agency shall establish conservation easement programs to mitigate impacts to prime farmland.			Goal 9, Objectives A & B	
		<b>3.2-3(d)</b> Prior to final approval of each project, the implementing agency shall avoid impacts to prime farmlands or farmlands that support crops considered valuable to the local or regional economy.				Goal 9, Objectives A & B				
						<b>3.2-3(e)</b> Prior to final approval of each project, the implementing agency shall encourage enrollments of agricultural lands into the Williamson Act program.			Goal 9, Objectives A & B	
<b>3.3 TRANSPORTATION</b>										
<b>Impact TRN-2:</b> Substantial Decrease in Transit or Non-Motorized Trips.	Less than significant.	No mitigation is required.	N/A	<b>3.3-1</b> Effects on traffic conditions and transit use.	Less than significant.	None required.	Less than significant.		Goal 2, Objectives A - E; & Goal 6, Objectives A - C	
<b>Impact TRN-1:</b> Substantial Increase in Vehicle Miles Traveled Per Household.	Less than significant.	No mitigation is required.	N/A			<b>3.3-2</b> Effects on improving transportation system performance.	Considered beneficial.	None required.	Considered beneficial.	Goal 7, Objective B
										NA
<b>Impact TRN-3:</b> Substantial Increase in Congested Vehicle Miles Traveled per Household.	Significant and unavoidable.	<b>Mitigation Measure ENE – 8:</b> Adopt Transportation Pricing Policy.	Significant and unavoidable.	<b>3.3-3</b> Resolve LOS deficiencies on several roadways.	Potentially significant and unavoidable.	<b>3.3-3 (a)</b> The jurisdictions shall continuously monitor and model the transportation network in order to evaluate LOS deficiencies.	Significant and unavoidable.	The applicable Placer County agencies shall be responsible for transportation mitigation through specified LOS monitoring measures.	Goal 1, Objective A; Goal 7, Objective B; & Goal 9, Objective A	

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		<p><b>Mitigation Measure ENE - 9:</b> Create Public Education Program on Individual Transportation Behavior and Climate Change.</p> <p><b>Mitigation Measure ENE – 11:</b> Adopt Regional Parking Regulation Policy to Provide Incentives for Use of Alternative Modes.</p> <p><b>Mitigation Measure ENE – 12:</b> Adopt Safe Routes to School Policy and Implement Pilot Program and Conduct Workshop with Cities, Counties and School Districts to Identify other Opportunities for Collaboration that may reduce Greenhouse Emissions.</p> <p><b>Mitigation Measure ENE – 15:</b> Adopt a “Complete Streets” Policy.</p> <p><b>Mitigation Measure LU - 2:</b> Initiate a “Complete Streets” Technical Assistance Program.</p>							<p>Goal 7, Objectives A - C; &amp; Goal 9, Objective C</p> <p>Goal 7, Objective B; &amp; Goal 9, Objective C</p> <p>Goal 6, Objectives A - C</p> <p>Goal 6, Objective C; &amp; Goal 9, Objectives A &amp; B</p> <p>Goal 6, Objective C; &amp; Goal 9, Objectives A &amp; B</p>
				<p><b>3.3-4 Resolve</b> Identified Deficiencies in the Areas of Public Transportation, Non-Motorized Transportation, Aviation, and Transportation Systems Management.</p>	Potentially significant and unavoidable.	<p><b>3.3-4(a)</b> The ongoing update of the jurisdictions’ general plans and community plans, in addition to future plan revisions, shall fully integrate the adopted programs, policies, and improvements of the RTP, as appropriate.</p> <p><b>3.3-4(b)</b> In conjunction with updating local general plans, the jurisdictions should consider the development of programs and design standards to facilitate viable pedestrian and non-motorized travel.</p>	Significant and unavoidable.	The applicable Placer County agencies shall be responsible for transportation mitigation measure adherence as part of plan amendments and updates.	<p>Goal 2, Objectives A - E; Goal 4, Objectives A - D; Goal 6, Objectives A - D; Goal 7, Objectives A - C; &amp; Goal 9, Objectives B &amp; D</p> <p>Goal 6, Objectives A - D; &amp; Goal 9, Objectives A, B &amp; D</p>
<b>3.4 AIR QUALITY</b>									
				<p><b>3.4-1</b> Motor vehicle emissions increases on various roadways which would impede the attainment of air quality standards.</p>	Significant and unavoidable.	<p><b>3.4-1(a)</b> Implement development of planned railway projects.</p> <p><b>3.4-1(b)</b> The jurisdictions shall fully implement the policies that set trip reduction goals for facilities and operations, develop a model program to attain the goals, and monitor the results. The program may include flexible and compressed work schedules, commuter matching services for van share and rideshare programs, telecommuting, preferential carpool/vanpool parking, parking pricing, and transit subsidies.</p>	Significant and unavoidable.	The applicable Placer County agencies shall be responsible for ensuring air quality mitigation measure adherence as part of railway project implementation.	<p>Goal 3, Objective A; &amp; Goal 9, Objectives C &amp; D</p> <p>Goal 2, Objective D; Goal 7, Objective B; &amp; Goal 9, Objective C</p>

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						<p><b>3.3-1(c)</b> The jurisdictions should consider conversion of their vehicles to use Clean Alternative Fuels/Low Emissions Vehicles (CAF/LEV), such as those utilizing methanol, ethanol, natural gas, electric power, propane, and reformulated gasoline, in accordance with the Placer County Air Quality Attainment Plan.</p> <p><b>3.3-1(d)</b> The jurisdictions should cooperate with the business and commercial community to plan and implement the infrastructure needed for CAF/LEV use, and that is designed to accelerate the introduction of CAF/LEV technologies. The jurisdictions should also encourage responsible agencies to streamline procedures for reviewing and permitting such facilities.</p> <p><b>3.3-1(e)</b> The jurisdictions should pursue adequate funding through all available funding sources for transit so that transit is a viable transportation alternative.</p>			<p>Goal 9, Objectives C &amp; D</p> <p>Goal 7, Objective A; &amp; Goal 9, Objective C</p> <p>Goal 2, Objectives A &amp; C; &amp; Goal 10, Objectives A &amp; B</p>
<b>Impact AIR - 1:</b> Construction and operation of MTP 2035 projects could result in increases in criteria pollutants due to vehicle emissions.	Less than significant.	No mitigation is required.	N/A	<b>3.4-2</b> Construction of the proposed highway improvements would result in additional short-term emissions of CO, PM <sub>10</sub> , ROG, and NO <sub>x</sub> .	Short-term significant and unavoidable.	<b>3.4-2(a)</b> Caltrans, jurisdictions, and other agencies with responsibility for implementing projects included in the RTP and RTIP should ensure that all construction contracts include the following or substantially similar or improved requirements of contractors:	Short-term significant and unavoidable.	The applicable Placer County agencies shall be responsible for ensuring air quality mitigation adherence by implementing construction dust and emissions reduction measures.	Goal 9, Objectives C - E
<b>Impact AIR-5:</b> Construction of MTP 2035 projects would increase short-term air emissions.	Potentially significant at the project level.	<b>Mitigation Measure AIR-4:</b> Implement construction activity mitigations and provide documentation of compliance.	Potentially significant at the project level.			<ol style="list-style-type: none"> <li>The contractor shall water in late morning and at the end of the day all earth surfaces during clearing, grading, earthmoving, and other site preparation activities.</li> <li>The contractor shall use tarpaulins or other effective covers for haul trucks which travel on public streets.</li> <li>The contractor shall sweep streets adjacent to the project at the end of the day.</li> <li>The contractor shall schedule clearing, grading, and earthmoving activities during periods of low wind speeds and restrict those construction activities during high wind conditions with wind speeds greater than 20 mph average during an hour.</li> </ol>			<p>Goal 9, Objectives A &amp; C</p> <p>Goal 9, Objectives A &amp; C</p> <p>Goal 9, Objectives A &amp; C</p> <p>Goal 9, Objectives A &amp; C</p>

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						5. The contractor shall control construction and site vehicle speed to 15 mph on unpaved roads.			Goal 9, Objectives A & C
						6. Construction equipment operators shall shut off equipment when not in use to avoid unnecessary idling. As a general rule, vehicle idling should be kept below 10 minutes.			Goal 9, Objectives A & C
						7. The contractor's construction equipment shall be properly maintained and in good operating condition.			Goal 9, Objectives A & C
						8. During smog season (May through October), the construction period shall be lengthened so as to minimize the number of vehicles and equipment operating at the same time.			Goal 9, Objectives A & C
						9. The contractors should utilize new technologies to control ozone precursor emissions as they become available and feasible.			Goal 9, Objectives A & C
						10. Construction equipment shall utilize low sulfur fuels.			Goal 9, Objectives A & C
						11. Contractors shall discontinue operations during second stage smog alerts.			Goal 9, Objectives A & C
						12. Truck wheel washers shall be installed before the roadway entrance at construction sites.			Goal 9, Objectives A & C
						13. Paving, curbing, or vegetative stabilization of the unpaved areas adjacent to roadways on which vehicles would potentially drive shall be required.			Goal 9, Objectives A & C
						<b>3.4-2(b)</b> The jurisdictions shall adopt and implement a policy to require as part of the review and approval process for land use entitlements, that construction or demolition projects and operations that disturb earth materials or transport them have a dust control and mitigation plan to control and monitor dust emissions. The jurisdictions shall further require that the plan be approved by the Placer County APCD. The plan is to include the use of such measures as watering or dust suppressant use, covering or protection of storage piles, provisions for stopping operations on windy days, covering of open haul trucks, and sweeping and cleaning operations.			Goal 9, Objectives A & C

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						3.4-2(c) The jurisdictions shall adopt a policy to review street and road cleaning operations to minimize dust generation, especially during summer and autumn dry seasons.			Goal 9, Objectives A & C
				3.4-3 Development of the proposed highway improvements could result in additional short-term emissions of asbestos.	Significant.	3.4-3(a) The jurisdictions shall adopt a policy to require, as a part of the review and permit processes, that demolition of structures be performed in accordance with state regulations pertaining to asbestos removal and release of asbestos fibers to the ambient air.	Significant and unavoidable.	The applicable Placer County agencies shall be responsible for ensuring air quality mitigation adherence by implementing asbestos emissions reduction measures.	Goal 9, Objectives A, C & D
<b>Impact AIR-2:</b> Implementation of the MTP 2035 could result in the exposure of sensitive receptors to potentially substantial pollutant concentrations of carbon monoxide and particulate matter.	Potentially significant at the project level.	<b>Mitigation Measure AIR-2:</b> Conduct CO and PM <sub>10</sub> Hotspot Analyses.	Potentially significant at the project level.						Goal 9, Objective C
<b>Impact AIR-3:</b> Implementation of MTP 2035 projects could result in exposure of sensitive receptors to health risks from mobile source air toxics.	Potentially significant at the project level.	<b>Mitigation Measure AIR-3:</b> Conduct MSAT Analyses.	Potentially significant at the project level.						Goal 9, Objective C
<b>Impact AIR-4:</b> Implementation of MTP 2035 projects could create objectionable odors affecting a substantial number of people.	Potentially significant at the project level.	None proposed.	Potentially significant at the project level.						Goal 9, Objective C
<b>3.5 NOISE</b>									
<b>Impact NOI-1:</b> Exposure of Noise Sensitive Land Use to Noise and Vibration From Construction Activities.	Potentially significant at the project level.	<b>Mitigation Measure NOI-1:</b> Employ Noise-Reducing Construction Practices.	Potentially significant at the project level.	<b>3.5-1</b> Grading and construction activities associated with the proposed projects identified in the 2027 RTP would intermittently and temporarily generate noise.	Potentially significant.	<b>3.5-1(a)</b> Project-implementing agencies shall comply with all local sound control and noise level rules, regulations, and ordinances.  <b>3.5-1(b)</b> Project implementing agencies shall limit the hours of construction to between 6:00 a.m. and 8:00 p.m. on Monday through Friday and between 7:00 a.m. and 8:00 p.m. on weekends.	Significant and unavoidable.	The applicable Placer County agencies shall be responsible for ensuring noise mitigation adherence by implementing sound control and noise level rules, regulations, and ordinances measures.	Goal 9, Objective A  Goal 9, Objective A

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						3.5-1(c) Equipment and trucks used for project construction shall utilize the best available noise control techniques (including mufflers, use of intake silencers, ducts, engine enclosures and acoustically attenuating shields or shrouds) in order to minimize construction noise impacts.			Goal 9, Objective A
						3.5-1(d) Impact equipment (e.g., jack hammers, pavement breakers, and rock drills) used for project construction shall be hydraulically or electrically powered wherever feasible to avoid noise associated with compressed air exhaust from pneumatically powered tools. However, where use of pneumatically powered tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used; this muffler can lower noise levels from the exhaust by up to about ten dBA. External jackets on the tools themselves shall be used where feasible, and this could achieve a reduction of five dBA. Quieter procedures will be used such as drilling rather than impact equipment whenever feasible.			Goal 9, Objective A
						3.5-1(e) Project-implementing agencies shall ensure that stationary noise sources will be located as far from sensitive receptors as possible. If they must be located near existing receptors, they shall be adequately muffled.			Goal 9, Objective A
						3.5-1(f) The project implementing agencies shall designate a complaint coordinator responsible for responding to noise complaints received during the construction phase. The name and phone number of the complaint coordinator will be conspicuously posted at construction areas and on all advanced notifications. This person will be responsible for taking steps required to resolve complaints, including periodic noise monitoring, if necessary.			Goal 9, Objective A
						3.5-1(g) Noise generated from any rock-crushing or screening operations performed within 3,000 feet of any occupied residence shall be mitigated by the project proponent by strategic placement of material stockpiles between the operation and the affected dwelling or by other means approved by the local jurisdiction.			Goal 9, Objective A



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						<p><b>3.5-1(h)</b> Project implementing agencies shall direct contractors to implement appropriate additional noise mitigation measures including, but not limited to, changing the location of stationary construction equipment, shutting off idling equipment, rescheduling construction activity, notifying adjacent residents in advance of construction work, and installing acoustic barriers around stationary construction noise sources to comply with local noise control requirements.</p>			Goal 9, Objective A
						<p><b>3.5-1(i) Project</b> implementing agencies shall implement use of portable barriers during construction of subsurface barriers, debris basins, and storm water drainage facilities.</p>			Goal 9, Objective A
						<p><b>3.5-1(j)</b> No pile-driving or blasting operations shall be performed within 3,000 feet of an occupied residence on Sundays, legal holidays, or between the hours of 8:00 p.m. and 8:00 a.m. on other days. Any variance from this condition shall be obtained from the project proponent and must be approved by the local jurisdiction.</p>			Goal 9, Objective A
						<p><b>3.5-1(k)</b> Wherever possible, sonic or vibratory pile drivers shall be used instead of impact pile drivers (sonic pile drivers are only effective in some soils). If sonic or vibratory pile drivers are not feasible, acoustical enclosures shall be provided as necessary to ensure that pile driving noise does not exceed speech interference criterion at the closest sensitive receptor.</p>			Goal 9, Objective A
						<p><b>3.5-1(l) In</b> residential areas, pile driving shall be limited to daytime working hours.</p>			Goal 9, Objective A
						<p><b>3.5-1(m) Engine</b> and pneumatic exhaust controls on pile drivers shall be required as necessary to ensure that exhaust noise from pile driver engines are minimized to the extent feasible.</p>			Goal 9, Objective A
						<p><b>3.5-1 (n) Where</b> feasible, pile holes shall be pre-drilled to reduce potential noise and vibration impacts.</p>			Goal 9, Objective A

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<b>Impact NOI-2:</b> Exposure of Noise Sensitive Land Use to Increased Noise from the Operation of Expanded Roadway and Highway Facilities.	Less than significant.	No mitigation is required.	N/A	<b>3.5-2</b> Noise-sensitive land uses could be exposed to noise in excess of normally acceptable noise levels.	Potentially significant.	<b>3.5-2(a)</b> As part of the appropriate environmental review of each project, a project specific noise evaluation shall be conducted and appropriate mitigation identified and implemented.	Significant and unavoidable.	The applicable Placer County agencies shall be responsible for ensuring noise mitigation adherence by implementing sound control and noise evaluation, attenuation, disturbance and separation measures.	Goal 9, Objective A
<b>Impact NOI-3:</b> Exposure of Noise Sensitive Land Use to Increased Noise from the Operation of New Roadway and Highway Facilities.	Significant and unavoidable.	<b>Mitigation Measure NOI-2:</b> Employ Measures to Reduce Noise from Transportation Systems.	Significant and unavoidable.			<b>3.5-2(b)</b> Project implementation agency shall construct vegetative earth berms or add vegetation to attenuate roadway noise from residences.			Goal 9, Objectives A & B
<b>Impact NOI-4:</b> Exposure of Noise Sensitive Land Use to Increased Noise from the Operation of Expanded or Transit Operations.	Significant and unavoidable.	<b>Mitigation Measure NOI-2:</b> Employ Measures to Reduce Noise from Transportation Systems.	Significant and unavoidable.			<b>3.5-2(c)</b> Project implementation agencies shall employ land use planning measures, such as zoning, restrictions on development, site design, and use of buffers to ensure that future development is compatible with adjacent transportation facilities. <b>3.5-2(d)</b> Project implementation agencies shall maximize the distance between noise-sensitive land uses and new roadway lanes, roadways, rail lines, transit centers, park-n-ride lots, and other new noise generating facilities. <b>3.5-2(e)</b> Project implementation agencies shall construct sound-reducing barriers between noise sources and noise-sensitive land uses. Sound barriers can be in the form of earth-berms or soundwalls. Constructing roadways below-grade of the existing sensitive land uses also creates an effective barrier between the roadway and sensitive receptors. A sound wall shall be constructed, if the following criteria are met: 1. Residential property built prior to the freeway or prior to a major widening, and; 2. The freeway segment identified shall have an hourly noise level that exceeds the 67-decibel (Leg) threshold, and the soundwall must be able to achieve at least a five-decibel reduction, and in accordance with Caltrans requirements, the costs to implement a soundwall are limited to \$35,000 per residential unit (1987 dollars).			Goal 2, Objective B; & Goal 9, Objectives A - D  Goal 2, Objective B; & Goal 9, Objectives A & B  Goal 9, Objectives A & B  Goal 9, Objective A  Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
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						3.5-2(f) Project implementation agencies shall improve the acoustical insulation of dwelling units where setbacks and sound barriers do not sufficiently reduce noise.			Goal 9, Objective A
<b>3.6 WATER RESOURCES</b>									
<b>Impact HYD-4:</b> Substantial Increased Runoff Resulting in Flooding.	Potentially significant at the project level.	<b>Mitigation Measure HYD-3:</b> Implement Measures to Maintain Water Quality after Construction.	Potentially significant at the project level.	<b>3.6-1</b> Increased Flooding Hazards.	Potentially significant.	<b>3.6-1(a)</b> Transportation network improvements shall comply with local, state, and federal floodplain regulations. Projects requiring federal approval or funding shall comply with Executive Order 11988 on Floodplain Management, which requires avoidance of incompatible floodplain development, restoration and preservation of the natural and beneficial floodplain values, and maintenance of consistency with the standards and criteria of the National Flood Insurance Program. <b>3.6-1(b)</b> Proposed transportation improvements shall avoid flood hazard areas where possible.	Less than significant.	The applicable Placer County agencies shall be responsible for ensuring water resource mitigation adherence by implementing water quality, flood reduction, stormwater management and drainage measures.	Goal 9, Objective A
		<b>Mitigation Measure HYD-4:</b> Conduct Project-Level Drainage Studies							Goal 9, Objective A
<b>Impact HYD-7:</b> Impact Due to Construction in the Floodplain.	Significant.	<b>Mitigation Measure HYD-6:</b> Avoid Restriction of Flood flows and Obtain Agency Approval of Construction with 100-Year Floodplains.	Less than significant.			<b>3.6-1(c)</b> Projects shall be designed so that they do not increase downstream flooding risks by substantially increasing peak runoff volumes. This could be achieved by increasing the size of local flood control facilities serving the project area(s), or by including detention ponds in designs for roadway medians, parking areas, or other facilities.			Goal 9, Objective A
<b>Impact HYD-8:</b> Impact Due to Inundation by Dam or Levee Failure.	Potentially significant at the project level.	<b>Mitigation Measure HYD-7:</b> Design Projects to Pass Flows in the Event of Levee or Dam Failure.	Potentially significant at the project level.			<b>3.6-1(d)</b> Projects shall be designed to allow lateral transmission of stormwater flows across transportation corridors with no increased risk of upstream flooding. Culverts and bridges shall be designed to adequately carry drainage waters through project sites. The bottom of overpass structures shall be elevated at least one foot above the 100-year flood elevation at all stream and drainage channel crossings. Transportation infrastructure must be designed to prevent elevating the 100-year flood plain in residential areas.			Goal 9, Objective A
						<b>3.6-1(e)</b> All roadbeds for new highway and rail transit facilities shall be elevated at least one foot above the 100-year base flood elevation.			Goal 1, Objective B; Goal 3, Objective A; & Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
						<p><b>3.6-1(f)</b> Natural riparian conditions near construction sites shall be maintained, wherever possible, to minimize effects at stream crossings. Single-span bridges should be used whenever feasible.</p> <p><b>3.6-1(g)</b> Improvement projects on existing facilities shall include upgrades to storm water drainage facilities to accommodate increased runoff volumes. These upgrades may include construction of detention basins or structures that will delay peak flows and reduce velocity. System designs shall be designed to eliminate increases in peak flow rates from current levels.</p> <p><b>3.6-1(h)</b> Prior to construction, a drainage study shall be conducted for each new project. Drainage systems shall be designed to maximize the use of detention basins, vegetated areas, and velocity dissipaters to reduce peak flows where possible.</p>			Goal 9, Objective A
									Goal 9, Objectives A & B
									Goal 9, Objective A
<b>Impact HYD-1:</b> Construction-Related Impacts on Water Quality.	Potentially significant at the project level.	<b>Mitigation Measure GEO-3:</b> Obtain and Implement the Requirements of the NPDES Permit into the Design of Site-Specific Projects that Would Disturb 1 or More Acres.	Potentially significant at the project level.	<b>3.6-2</b> Surface Water Quality Affected by Increased Urban and Construction Runoff.	Less than-significant.	<b>3.6-2(a)</b> Transportation improvements shall comply with federal, state, and local regulations regarding storm water management. State-owned freeways must comply with the Storm Water Discharge NPDES permit for Caltrans facilities.	Less than-significant.	The applicable Placer County agencies shall be responsible for ensuring water resource mitigation adherence through compliance with federal, state, and local regulations and Storm Water Discharge NPDES permits.	Goal 9, Objective A
		<b>Mitigation Measure HYD-1:</b> Implement a Spill Prevention and Control Program.				<b>3.6-2(b)</b> Project implementation agencies shall ensure that new facilities include water quality control features such as drainage channels, detention basins, and vegetated buffers, to prevent pollution of adjacent water resources by runoff. Wherever feasible, detention basins shall be equipped with oil and grease traps which will be cleaned regularly.			Goal 9, Objectives A & B
<b>Impact HYD-3:</b> Water Quality Degradation Due to Urban Runoff as a Result of Increased Impervious Surfaces.	Potentially significant at the project level.	<b>Mitigation Measure HYD-3:</b> Implement Measures to Maintain Water Quality after Construction.	Potentially significant at the project level.			<b>3.6-2(c)</b> Project implementation agencies shall ensure that operational best management practices for street cleaning, litter control, and catch basin cleaning are provided to prevent water quality degradation.			Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>Impact HYD - 6:</b> Water Quality Impacts from Discharges to 303(d) Listed Water Bodies.	Potentially significant at the project level.	<b>Mitigation Measure HYD-3:</b> Implement Measures to Maintain Water Quality after Construction.	Potentially significant at the project level.			<b>3.6-2(d)</b> SWPPPs shall be submitted to the SWRCB prior to the commencement of construction activities for proposed transportation improvement projects. Best management practices shall be implemented for construction site erosion and spill control.			Goal 9, Objective A
						<b>3.6-2(e)</b> Projects requiring the discharge of dredged or fill materials into U.S. waters, including wetlands, shall comply with applicable regulations including the requirement to obtain a permit from the U.S. Army Corps of Engineers and the RWQCB in compliance with Sections 404 and 401 of the federal Clean Water Act.			Goal 9, Objective A
<b>Impact HYD-5:</b> Reduction in Groundwater Recharge as a Result of Increased Impervious Surfaces.	Potentially significant at the project level.	<b>Mitigation Measure HYD-5:</b> Design and Install Infiltration Systems.	Potentially significant at the project level.	<b>3.6-3</b> Increased Impervious Surfaces Reduce Groundwater Infiltration.	Potentially significant.	<b>3.6-3(a)</b> Drainage of roadway runoff shall be designed to run through grass median strips, contoured to provide adequate storage capacity and to provide overland flow, detention, and infiltration before it reaches culverts. Detention basins and ponds, aside from controlling runoff rates, can also remove particulate pollutants through settling.	Less than significant.	The applicable Placer County agencies shall be responsible for ensuring water resource mitigation adherence by implementing runoff, erosion control, sediment control, discharge and detention measures.	Goal 9, Objective A
						<b>3.6-3(b)</b> Proper erosion control measures shall be implemented during construction, such as jute netting, straw mulches, chemical mulches, temporary retention ponds, or quick revegetation. Other control measures include limiting the amount of exposed area and preventing construction vehicles and equipment from passing through or near natural drainages.			Goal 9, Objective A
						<b>3.6-3(c)</b> Long-term sediment control shall include an erosion control and revegetation program designed to allow reestablishment of native vegetation on slopes in undeveloped areas.			Goal 9, Objective A
						<b>3.6-3(d)</b> In areas where habitat for fish and other wildlife would be threatened by transportation facility discharge, alternate drainage ways shall be sought to protect sensitive fish and wildlife populations. Heavy-duty sweepers, with disposal of collected debris in sanitary landfills, should be used to effectively reduce annual pollutant loads. Catch basins and storm drains should be cleaned and maintained on a regular basis.			Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
						3.6-3(e) Detention basins, infiltration strips, and other features to facilitate groundwater recharge shall be incorporated into the design of new freeway and roadway facilities whenever feasible.			Goal 9, Objectives A & B
<b>Impact HYD-2:</b> Water Quality Impacts from Construction below the Water Table.	Potentially significant at the project level.	<b>Mitigation Measure HYD-2:</b> Comply with Provisions for Dewatering.	Potentially significant at the project level.	<b>3.6-4</b> Groundwater Impacts Due To Installation of Transportation Infrastructure.	Less than-significant levels.	<b>3.6-4(a)</b> Project implementation agencies shall avoid designs that require continual dewatering for the life of the project, where possible. For projects requiring continual dewatering facilities, project implementation agencies shall ensure that projects implement monitoring systems, including long-term administrative procedures, to ensure proper operations for the life of the project. Construction designs should comply with appropriate building codes and standard practices including the Uniform Building Code.	Less than-significant levels.	The applicable Placer County agencies shall be responsible for ensuring water resource mitigation adherence by ensuring implementation of monitoring systems and compliance of building codes and standard practices.	Goal 9, Objective A
<b>3.7 BIOLOGICAL RESOURCES</b>									
<b>Impact BIO-4:</b> Disturbance or Loss of Waters of the United States (Including Wetlands).	Potentially significant at the project level.	<b>Mitigation Measure BIO-8:</b> Identify and Delineate Waters of the United States (Including Jurisdictional and Isolated Wetlands).  <b>Mitigation Measure BIO-9:</b> Avoid and Minimize Disturbance of Waters of the United States, Including Wetland Communities.  <b>Mitigation Measure BIO-10:</b> Compensate for the Loss of Wetland Habitat.	Potentially significant at the project level.	<b>3.7-1</b> Adverse Impacts to Wetlands and Special Status Plant Species, Animal Species, and Habitat.	Significant and unavoidable.	<b>3.7-1(a)</b> Mitigation for impacts to wetlands and special status species would be determined based on the impact assessments developed for each proposed project prior to implementation. Mitigation would be determined in consultation with the appropriate federal, state, and local agency representatives and would be consistent with all applicable laws and regulations.	Significant and unavoidable.	The applicable Placer County agencies shall be responsible for ensuring biological resource mitigation adherence based on impact assessments in consultation with appropriate agencies, laws and regulations.	Goal 9, Objective A
<b>Impact BIO-1:</b> Potential Disturbance or Loss of Special-Status Plant Populations as a Result of Highway Projects.	Potentially significant at the project level.	<b>Mitigation Measure BIO-1:</b> Document Special-Status Plant Populations.  <b>Mitigation Measure BIO-2:</b> Avoid or Minimize Impacts on Special-Status Plant Populations by Redesigning the Project, Protecting Special-Status Plant Populations, and Developing a Transplantation Plan (If Necessary and Approved by Resource Agencies).	Potentially significant at the project level.						Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>Impact BIO-2:</b> Potential Introduction or Spread of Noxious Weeds.	Potentially significant at the project level.	<b>Mitigation Measure BIO-3:</b> Conduct a Noxious Weed Survey and Document Noxious Weed Infestation.	Potentially significant at the project level.						Goal 9, Objective A
		<b>Mitigation Measure BIO-4:</b> Avoid the Dispersal of Noxious Weeds into Uninfested Areas.							Goal 9, Objective A
<b>Impact BIO-3:</b> Loss or Disturbance of Riparian Communities.	Potentially significant at the project level.	<b>Mitigation Measure BIO-5:</b> Identify and Document Riparian Habitat.	Potentially significant at the project level.						Goal 9, Objective A
		<b>Mitigation Measure BIO-6:</b> Avoid and Minimize Disturbance of Riparian Communities.							Goal 9, Objective A
		<b>Mitigation Measure BIO-7:</b> Compensate for the Loss of Riparian Community.							Goal 9, Objective A
<b>Impact BIO-5:</b> Potential Disturbance or Loss of Special-Status Wildlife Species and Their Habitat.	Potentially significant at the project level.	<b>Mitigation Measure BIO-11:</b> Document Special-Status Wildlife Species and Their Habitats.	Potentially significant at the project level.						Goal 9, Objective A
		<b>Mitigation Measure BIO-12:</b> Avoid and Minimize Impacts on Special-Status Wildlife Species by Redesigning the Project, Protecting Special-Status Wildlife Habitat, and Developing a Mitigation Monitoring Plan (If Necessary).							Goal 9, Objective A
		<b>Mitigation Measure BIO-13:</b> Coordinate with Resource Agencies and Develop Appropriate Compensation Plans for State- and Federal-Listed Wildlife Species.							Goal 9, Objective A
<b>Impact BIO-6:</b> Potential Disturbance and Loss of Common Wildlife Species.	Less than significant.	No mitigation is required.	N/A						Goal 9, Objective A
<b>Impact BIO-7:</b> Potential Direct and Indirect Impacts on Special-Status Fish Species.	Potentially significant at the project level.	<b>Mitigation Measure BIO-14:</b> Assess and Document Habitat for Special-Status Fish Species.	Potentially significant at the project level.						Goal 9, Objective A
		<b>Mitigation Measure BIO-15:</b> Avoid and Minimize Impacts on Special-Status Fish and Their Habitat.							Goal 9, Objective A
		<b>Mitigation Measure BIO-16:</b> Consult with NMFS or USFWS when Listed Fish Species May Be Affected, and Initiate Essential Fish Habitat Consultation with NMFS when Chinook Salmon May Be Affected.							Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>Impact BIO-8:</b> Conflict with Local Policies or Ordinances Protecting Biological Resources.	Potentially significant at the project level.	<b>Mitigation Measure BIO-17:</b> Review Local City and County Policies, Ordinances, and Conservation Plans and Comply with Requirements.	Potentially significant at the project level.						Goal 9, Objective A
<b>Impact BIO-9:</b> Removal or Disturbance of Oak Woodland Communities and Individual Native Oak Trees.	Potentially significant at the project level.	<b>Mitigation Measure BIO-17:</b> Review Local City and County Policies, Ordinances, and Conservation Plans and Comply with Requirements.  <b>Mitigation Measure BIO-18:</b> Install Temporary Construction Barrier Fencing to Protect Native Oak Trees Adjacent to the Construction Zone.	Potentially significant at the project level.						Goal 9, Objective A  Goal 9, Objective A
<b>3.8 CULTURAL AND HISTORIC RESOURCES</b>									
<b>Impact CR-4:</b> Proposed Projects May Occur Near Some Architectural (Built Environment) Resources.	Potentially significant at the project level.	<b>Mitigation Measure CR-5:</b> Conduct Historic Inventory and Evaluation for Architectural Resources.	Potentially significant at the project level.	<b>3.8-1</b> Development of Highway, Arterial, Bridge Crossing and Transit Projects May Impact Historic Resources.	Less than significant.	<b>3.8-1(a)</b> As part of the appropriate environmental review of an individual project, the project implementation agencies shall identify potential impacts to historic resources. A record search at the appropriate Information Center shall be conducted to determine whether the project area has been previously surveyed and whether resources were identified. As necessary, prior to construction activities, the project implementation agencies shall obtain a qualified architectural historian to conduct historic architectural surveys as recommended by the Archaeological Information Center. In the event the records indicate that no previous survey has been conducted, the Information Center will make a recommendation on whether a survey is warranted based on the sensitivity of the project area for cultural resources.	Less than significant.	The applicable Placer County agencies shall be responsible for ensuring cultural and historic resource mitigation adherence by conducting a record search, or through surveys conducted by a qualified architectural historian to determine and identify resources. Recommendations by the Archaeological Information Center will determine if a survey is needed.	Goal 9, Objective A



SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
						<p><b>3.8-1(b)</b> The project implementation agencies shall comply with Section 106 of the National Historic Preservation Act if federal funding or approval is required. This law requires federal agencies to evaluate the impact of their actions on resources included in or eligible for listing in the National Register of Historic Places. Federal agencies must coordinate with the State Historic Preservation Officer in evaluating impacts and developing mitigation. These mitigation measure may include, but are not limited to the following: the project implementation agencies shall carry out the maintenance, repair, stabilization, rehabilitation, restoration, preservation, conservation, relocation, or reconstruction of any impacted historic resource, which shall be conducted in a manner consistent with the Secretary of the Interior's Guidelines for Preserving, Rehabilitating, Restoring, and Reconstructing Historic Buildings. In some instances, the following mitigation measure may be appropriate in lieu of the previous mitigation measure: the project implementation agencies shall secure a qualified environmental agency and/or architectural historian, or other such qualified person to document any significant historical resource(s), by way of historic narrative, photographs, or architectural drawings, as mitigation for the effects of demolition of a resource will not mitigate the effects to a point where clearly no significant effect on the environment would occur.</p>			Goal 9, Objective A
<p><b>Impact CR-1:</b> Potential for Damage to or Destruction of Archaeological Resources during Specific Project Construction.</p>	Potentially significant at the project level.	<p><b>Mitigation Measure CR-1:</b> Conduct Cultural Resource Inventories Concurrently with Environmental Review.</p>	Potentially significant at the project level.	<p><b>3.8-2</b> Construction Activities Involving Excavation and Earthmoving May Encounter Archaeological Resources.</p>	Potentially significant.	<p><b>3.8-2(a)</b> As part of the appropriate environmental review of individual projects, the project implementation agencies shall consult with the Native American Heritage Commission to determine whether known sacred sites are in the project area, and identify the Native American(s) to contact to obtain information about the project site.</p>	Less than significant.	The applicable Placer County agencies shall be responsible for ensuring cultural and historic resource mitigation adherence by consulting with the Native American Heritage Commission to identify and determine sacred sites.	Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>Impact CR-2:</b> Potential for Damage to or Destruction of Previously Undiscovered Buried Archaeological Sites or Unique Paleontological Resources.	Potentially significant at the project level.	<b>Mitigation Measure CR-2:</b> Stop Work If Archaeological Materials Are Discovered during Construction.	Potentially significant at the project level.			<b>3.8-2(b)</b> Prior to construction activities, the project implementation agencies shall obtain a qualified archaeologist to conduct a record search at the appropriate Information Center of the California Archaeological Inventory to determine whether the project area has been previously surveyed and whether resources were identified.			Goal 9, Objective A
		<b>Mitigation Measure CR-3:</b> Conduct Project-Specific Paleontological Resource Assessments Concurrently with Environmental Review.				<b>3.8-2(c)</b> As necessary prior to construction activities, the project implementation agencies shall obtain a qualified archaeologist or architectural historian (depending on applicability) to conduct archaeological and/or historic architectural surveys as recommended by the Information Center. In the event the records indicate that no previous survey has been conducted, the Information Center shall make a recommendation on whether a survey is warranted based on the sensitivity of the project area for cultural resources.			Goal 9, Objective A
						<b>3.8-2(d)</b> If the record search indicates that the project is located in an area rich with cultural materials, the project proponent shall retain a qualified archaeologist to monitor any subsurface operations, including but not limited to grading, excavation, trenching, or removal of existing features of the subject property.			Goal 9, Objective A
						<b>3.8-2(e)</b> Construction activities and excavation shall be conducted to avoid cultural resources (if found). If avoidance is not feasible, further work may need to be done to determine the importance of a resource. The project implementation agencies shall obtain a qualified archaeologist familiar with the local archaeology, and/or an architectural historian should make recommendations regarding the work necessary to determine importance. If the cultural resource is determined to be important under state or federal guidelines, impacts on the cultural resource shall be mitigated.			Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
						<b>3.8-2(f)</b> The project implementation agencies shall stop construction activities and excavation in the area where cultural resources are found until a qualified archaeologist can determine the importance of these resources.			Goal 9, Objective A
<b>Impact CR-2:</b> Potential for Damage to or Destruction of Previously Undiscovered Buried Archaeological Sites or Unique Paleontological Resources.	Potentially significant at the project level.	<b>Mitigation Measure CR-2:</b> Stop Work If Archaeological Materials Are Discovered during Construction.	Potentially significant at the project level.	<b>3.8-3</b> Construction activities involving excavation and earthmoving may encounter paleontological materials.	Potentially significant.	<b>3.8-3(a)</b> As part of the appropriate environmental review of individual projects, the project implementation agencies shall obtain a qualified paleontologist to identify and evaluate paleontological resources where potential impacts are considered high; the paleontologist shall also conduct a field survey in these areas.	Significant and unavoidable.	The applicable Placer County agencies shall be responsible for ensuring cultural and historic resource mitigation adherence by obtaining a qualified paleontologist to identify, evaluate and conduct field surveys when necessary to determine potential impacts.	Goal 9, Objective A
		<b>Mitigation Measure CR-3:</b> Conduct Project-Specific Paleontological Resource Assessments Concurrently with Environmental Review.							Goal 9, Objective A
						<b>3.8-3 (b)</b> Construction activities shall avoid known paleontological resources, especially if the resources in a particular lithic unit formation have been determined through detailed investigation to be unique. If avoidance is not feasible, paleontological resources shall be excavated by the qualified paleontologist and given to a local agency, State University, or other applicable institution, where they could be displayed.			Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>Impact CR-3:</b> Potential for Damage to or Destruction of Previously Undiscovered Human Remains.	Potentially significant at the project level.	<b>Mitigation Measure CR-4:</b> Stop Work If Human Remains Are Discovered during Construction.	Potentially significant at the project level.	<b>3.8-4</b> Construction activities involving excavation and earthmoving may encounter human remains.	Less than significant.	3.8-4(a) As part of the appropriate environmental review of individual projects, the project implementation agencies, in the event of discovery or recognition of any human remains (other than in a dedicated cemetery) during construction or excavation activities associated with the project shall cease further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until the coroner of the county in which the remains are discovered has been informed and has determined that no investigation of the cause of death is required.	Less than significant.	The applicable Placer County agencies shall be responsible for ensuring cultural and historic resource mitigation adherence by ceasing further excavation or disturbance to the site if any human remains are discovered. If Native American remains are found, the coroner shall contact the Native American Heritage Commission to notify the proper descendants, and make a recommendation of how to dispose of the remains. If a descendant is not identified, the landowner shall obtain a Native American monitor and rebury the remains in a location that is not subject to further subsurface disturbance.	Goal 9, Objective A

**SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP**

2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
						<p>If the remains are of Native American origin, the coroner shall contact the Native American Heritage Commission in order to ascertain the proper descendants from the deceased individual. The coroner shall make a recommendation to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods. The recommendation may include obtaining a qualified archaeologist or team of archaeologists to properly excavate the human remains. If the Native American Heritage Commission is unable to identify a descendant; or the descendant failed to make a recommendation within 24 hours after being notified by the commission; or the landowner or his authorized representative rejects the recommendation of the descendant, and the mediation by the Native American Heritage Commission fails to provide measures acceptable to the landowner, then: the landowner or his authorized representative shall obtain a Native American monitor, and an archaeologist if recommended by the Native American monitor, and reburial the Native American human remains and any associated grave goods, with appropriate dignity, on the property and in a location that is not subject to further subsurface disturbance.</p>			Goal 9, Objective A

**3.9 AESTHETICS**

<b>Impact AES-1:</b> Substantial adverse effect on a scenic vista within the MTP Plan Area.	Potentially significant at the project level.	<b>Mitigation Measure AES – 1a:</b> Reduce Visibility of Construction Staging Areas and Re-vegetate Exposed Earth Surfaces.	Potentially significant at the project level.	<b>3.9-1</b> Alteration of Placer County Visual Character Due to Plan Implementation.	Less than significant.	<b>3.9-1(a)</b> Prior to implementation of individual roadway improvement projects proposed for state or county scenic routes, further study shall be completed to determine the specific visual effects of these projects, and appropriate project-specific mitigation measures shall be proposed to reduce these impacts.	Less than significant.	The applicable Placer County agencies shall be responsible for ensuring aesthetic resource mitigation adherence by conducting further studies of individual projects proposed for scenic routes, project specific mitigation measures shall be proposed to reduce these impacts.	Goal 9, Objective A
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SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
		<b>Mitigation Measure AES - 1b:</b> Determine Specific Visual Effects Associated with Proposed Improvement Projects.				<b>3.9-1(b)</b> Where feasible, native vegetation shall be reintroduced along rural roadways after implementation of proposed roadway improvement projects to integrate the proposed projects with the existing visual character of the surrounding area.			Goal 9, Objectives A & B
<b>Impact AES-3:</b> Substantial degradation of visual character or quality within the MTP Plan Area.	Potentially significant at the project level.	<b>Mitigation Measure AES - 3:</b> Design Projects to be Visually Compatible with Surrounding Areas.	Potentially significant at the project level.						Goal 9, Objective A
		<b>Mitigation Measure AES - 4:</b> Develop Design Guidelines that Make Project Elements Visually Compatible with Surrounding Areas.							Goal 9, Objective A
<b>Impact AES-5:</b> Construction of soundwalls would affect view and change visual character in transportation corridors.	Potentially significant at the project level.	<b>Mitigation Measure AES - 8:</b> Construct Soundwalls to complement the surrounding landscape.	Potentially significant at the project level.						Goal 9, Objective A
		<b>Mitigation Measure AES - 9:</b> Include landscaping for soundwalls to complement the landscape of surrounding areas.							Goal 9, Objective A
<b>Impact AES-2:</b> Short- and long-term damage to scenic resources within the MTP Plan Area.	Potentially significant at the project level.	<b>Mitigation Measure AES - 2:</b> Implement Applicable Local Policies and Standard Measures to Protect Scenic Vistas, Scenic Resources and Visual Character.	Potentially significant at the project level.						Goal 9, Objective A
<b>Impact AES-4:</b> Creation of a new source of light or glare.	Potentially significant at the project level.	<b>Mitigation Measure AES - 5:</b> Plant Trees along Transportation Corridors to Reduce Sun Glare.	Potentially significant at the project level.	<b>3.9-2</b> Increase the amount of light and glare present in some areas of Placer County.	Less than significant.	None required.	Less than significant.		Goal 9, Objectives A & B
		<b>Mitigation Measure AES - 6:</b> Design Structures to Avoid or Reduce Impacts Resulting from Glare.							Goal 9, Objective A
		<b>Mitigation Measure AES - 7:</b> Design Lighting to Meet Minimum Safety and Security Standards.		<b>3.9-3</b> Reduced amount of open space in Placer County, thereby contributing to the cumulative loss of existing open space views within the region.	Less than significant.	None required.	Less than significant.		Goal 1, Objective B; & Goal 9, Objective A

**3.10 UTILITIES AND SERVICES**

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>Impact PS - 1:</b> Construction and implementation of the projects included in the MTP for 2035 could affect the level of police, fire, and medical services and could limit access to schools, libraries and parks within the MTP Plan Area.	Potentially significant at the project level.	<b>Mitigation Measure PS-1:</b> Ensure that road and railroad encroachment permits are obtained and that traffic control plans are prepared and implemented.	Potentially significant at the project level.	<b>3.10-1</b> Construction and implementation of the projects included in the 2027 RTP could affect the level of police, fire, and emergency medical services in Placer County.	Less than significant.	<b>3.10-1(a)</b> Identification of all roadway locations where special construction techniques (e.g., directional drilling or night construction) would be used to minimize impacts to traffic flow.		The applicable Placer County agencies shall be responsible for ensuring utilities and services resource mitigation adherence by identifying roadway locations with special construction techniques will be used to minimize impacts to traffic flow.	Goal 1, Objective B; & Goal 9, Objective A
<b>Impact PS - 2:</b> The MTP for 2035 would result in the need for, or the expansion of schools, libraries and parks.	Less than significant.	No mitigation is required.	N/A			<b>3.10-1(b)</b> Development of circulation and detour plans to minimize impacts to local street circulation. This may include the use of signing and flagging to guide vehicles through and/or around the construction zone.			Goal 1, Objective B; & Goal 9, Objective A
<b>Impact PS -3:</b> Roadway congestion could affect response times and access for emergency fire, police and ambulance services.	Less than significant.	No mitigation is required.	N/A			<b>3.10-1(c)</b> Scheduling of truck trips outside of peak morning and evening commute hours.			Goal 1, Objective B; Goal 5, Objective B; & Goal 9, Objective A
						<b>3.10-1(d)</b> Limiting of lane closures during peak hours to the extent possible.			Goal 1, Objective B; Goal 5, Objective B; & Goal 9, Objective A
						<b>3.10-1(e)</b> Usage of haul routes minimizing truck traffic on local roadways to the extent possible.			Goal 1, Objective B; Goal 5, Objective B; & Goal 9, Objective A
						<b>3.10-1(f)</b> Inclusion of detours for bicycles and pedestrians in all areas potentially affected by project construction.			Goal 1, Objective B; & Goal 9, Objective A
						<b>3.10-1(g)</b> Installation of traffic control devices as specified in the California Department of Transportation Manual of Traffic Controls for Construction and Maintenance Work Zones.			Goal 1, Objective B; & Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
						<p><b>3.10-1(h)</b> Development and implementation of access plans for highly sensitive land uses such as police and fire stations, transit stations, hospitals, and schools. The access plans would be developed with the facility owner or administrator. To minimize disruption of emergency vehicle access, affected jurisdictions shall be asked to identify detours for emergency vehicles, which will then be posted by the contractor. Notify in advance the facility owner or operator of the timing, location, and duration of construction activities and the locations of detours and lane closures.</p> <p><b>3.10-1(i)</b> Storage of construction materials only in designated areas.</p> <p><b>3.10-1(j)</b> Coordination with local transit agencies for temporary relocation of routes or bus stops in works zones, as necessary.</p> <p><b>3.10-1(k)</b> Projects identified in the RTP that require police protection, fire service, and emergency medical service shall coordinate with the local fire department and police department to ensure that the existing public services and utilities would be able to handle the increase in demand for their services. If the current level of services at the project site are found to be inadequate, infrastructure improvements and personnel requirements for the appropriate public service shall be identified in each project's CEQA review.</p> <p><b>3.10-1(l)</b> The growth inducing potential of individual projects shall be carefully evaluated so that the full implications of the project are understood. Individual environmental documents shall quantify indirect impacts (growth that could be facilitated or induced) on public services and utilities. Lead and responsible agencies should then make any necessary adjustments to the applicable general plan.</p>			<p>Goal 1, Objective B; &amp; Goal 9, Objective A</p> <p>Goal 1, Objective B; &amp; Goal 9, Objective A</p> <p>Goal 1, Objective B; Goal 2, Objective D; &amp; Goal 9, Objective A</p> <p>Goal 9, Objectives A &amp; B</p> <p>Goal 9, Objectives A &amp; B</p>



SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>Impact USS - 1:</b> Exceedances of capacity of regional landfills due to solid waste generated by construction and implementation of MTP projects.	Less than significant.	No mitigation is required.	N/A	<b>3.10-2</b> Construction and implementation of the projects included in the 2027RTP could affect the demand for power, solid waste, wastewater, and drinking water services in Placer County.	Less than significant.	<b>3.10-2(a)</b> Projects identified in the RTP that require wastewater service, solid waste collection, or potable water service shall coordinate with the local public works department to ensure that the existing public services and utilities would be able to handle the increase. If the current infrastructure servicing the project site is found to be inadequate, infrastructure improvements for the appropriate public service or utility shall be identified in each project's CEQA documentation.	Less than significant.	The applicable Placer County agencies shall be responsible for ensuring utilities and services resource mitigation adherence by ensuring that existing public services and utilities will withstand the increase; if inadequate, infrastructure improvements will be identified.	Goal 9, Objectives A & B
<b>Impact USS - 2:</b> Disruption of or Interference with the Provision of Utility Services i.e., Electricity, Natural Gas, Telephone Service, and Cable and Satellite Television) due to construction and implementation of MTP projects.	Potentially significant at the project level.	<b>Mitigation Measure USS - 1:</b> Coordinate with utility service providers to locate and avoid impacts to utility lines.	Potentially significant at the project level.						Goal 9, Objective A
<b>Impact USS - 3:</b> Incremental increase in demand for potable water due to construction and implementation of MTP projects.	Potentially significant at the project level.	<b>Mitigation Measure USS - 2:</b> Ensure Adequate Water Supply Services Are Provided for MTP Projects.	Potentially significant at the project level.			<b>3.10-2(b)</b> Wherever feasible, reclaimed water instead of potable water shall be used for landscaping purposes.			Goal 9, Objectives A
						<b>3.10-2(c)</b> Each of the proposed projects identified in the RTP shall comply with applicable regulations related to solid waste disposal.			Goal 9, Objectives A
						<b>3.10-2(d)</b> The construction contractor shall work with the County Recycling Coordinator to ensure that source reduction techniques and recycling measures are incorporated into project construction.			Goal 9, Objectives A
						<b>3.10-2(e)</b> The amount of solid waste generated during construction will be estimated prior to construction, and appropriate disposal sites will be identified and utilized.			Goal 9, Objectives A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>Impact USS - 2:</b> Disruption of or Interference with the Provision of Utility Services i.e., Electricity, Natural Gas, Telephone Service, and Cable and Satellite Television) due to construction and implementation of MTP projects.	Potentially significant at the project level.	<b>Mitigation Measure USS - 1:</b> Coordinate with utility service providers to locate and avoid impacts to utility lines.	Potentially significant at the project level.	<b>3.10-3</b> Construction of projects included in the RTP may uncover and potentially sever underground utility lines (sewer, gas, electricity, telephone and water).	Less than significant.	<b>3.10-3(a)</b> Prior to construction, the implementing agency or contractor shall identify the locations of existing utility lines. Avoidance of all known utility lines during construction shall also be implemented.	Less than significant.		Goal 9, Objectives A & B
<b>3.11 ENERGY CONSUMPTION AND DEPENDENCE</b>									
<b>Impact ENE - 3:</b> Effects on Electricity Demand.	Less than significant.	No mitigation is required.	N/A	<b>3.11-1</b> The implementation of the 2027 RTP will impact electricity demand by creating additional transportation routes and facilities that will require electricity service.	Less than significant.	<b>3.11.1(a)</b> For any project anticipated to require substantial electrical usage, the project implementation agency shall submit projected electricity demand calculations to the local electricity provider for its analysis. Any infrastructure improvements necessary for project construction shall be completed according to the specifications of the electricity provider. <b>3.11.1(b)</b> Use of solar powered lighting shall be undertaken as feasible to reduce the electricity demand on the local service provider.	Less-than-significant	The applicable Placer County agencies shall be responsible for ensuring energy consumption and dependence resource mitigation adherence by calculating and analyzing electricity demand for projects requiring substantial electrical usage, based on specifications of the electricity provider.	Goal 9, Objectives A  Goal 9, Objectives A
<b>Impact ENE - 2:</b> Effects of Operation on Overall Regional Energy Usage.	Less than significant.	No mitigation is required.	N/A	<b>3.11-2</b> The implementation of the 2027 RTP will impact natural gas demand by creating additional transportation routes and facilities in the County that may require natural gas service.	Less than significant.	<b>3.11.2.(a)</b> For any project anticipated to require natural gas, the project implementation agency will submit projected natural gas demand calculations to the local natural gas provider for analysis. Any infrastructure improvements necessary for project construction shall be completed according to the specifications of the natural gas provider.	Less than significant.	The applicable Placer County agencies shall be responsible for ensuring energy consumption and dependence resource mitigation adherence by submitting and analyzing projected natural gas demand calculations according to specifications of the local provider.	Goal 5, Objective A; & Goal 9, Objectives A
<b>Impact ENE - 1:</b> Construction Effects on Regional Energy Usage.	Significant and unavoidable at program level and potentially significant at project level.	<b>Mitigation Measure ENE – 1:</b> Incentives for Energy Conservation Practices.	Significant and unavoidable at program level and potentially significant at project level.	<b>3.11-3</b> The implementation of the 2027 RTP could impact petroleum and diesel demand by changing travel patterns, characteristics, and behaviors in Placer County which will reduce the amount of petroleum or diesel for operation compared to the No Project Option.	Considered beneficial.	None required.	Considered beneficial.		Goal 7, Objective B; Goal 9, Objectives A & B

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>Impact ENE - 4:</b> Effects on Climate Change and Global Warming.	Less than significant.	<b>Mitigation Measure ENE – 6:</b> Develop Regional Climate Change Action Plan.	N/A						Goal 9, Objective C
		<b>Mitigation Measure ENE – 7:</b> Create Alternative Fuel Vehicle and Infrastructure Toolkit for Local Governments.							Goal 9, Objectives C & D
		<b>Mitigation Measure ENE – 8:</b> Adopt Transportation Pricing Policy.							Goal 7, Objective B; & Goal 9, Objective C
		<b>Mitigation Measure ENE – 9:</b> Create Public Education Program on Individual Transportation Behavior and Climate Change.							Goal 7, Objectives B & C; Goal 9, Objective C
		<b>Mitigation Measure ENE – 10:</b> Provide Funding for Workshop on Global Climate Change for Local Government Officials and Create GHG Emissions Reduction Strategies Toolkit.							Goal 9, Objectives C & D; Goal 10, Objective A
		<b>Mitigation Measure ENE – 11:</b> Adopt Regional Parking Regulation Policy to Provide Incentives for Use of Alternative Modes.							Goal 7, Objective B; & Goal 9, Objective C
		<b>Mitigation Measure ENE – 12:</b> Adopt Safe Routes to School Policy and Implement Pilot Program and Conduct Workshop with Cities, Counties and School Districts to Identify other Opportunities for Collaboration that may reduce Greenhouse Emissions.							Goal 6, Objective C; Goal 7, Objective B; & Goal 9, Objective C
		<b>Mitigation Measure ENE – 13:</b> Enhance I-PLACE3S Model to Assess Greenhouse Gas Impacts and Opportunities for Small-Scale Power Generation.							Goal 9, Objective C
		<b>Mitigation Measure ENE – 14:</b> Establish a baseline for SACOG’s own GHG Impacts.							Goal 9, Objectives C & D
		<b>Mitigation Measure ENE – 15:</b> Adopt a “Complete Streets” Policy.							Goal 6, Objective C; & Goal 9, Objectives A & B Goal 9, Objective C
		<b>Mitigation Measure ENE – 16:</b> Recommend Draft Transportation Control Measures to Comply with the Federal Clean Act in order to Reduce GHG Emissions.							
		<b>Mitigation Measure AG - 1:</b> Develop Rural-Urban Connections Strategy and Create Best Practices Toolkit.							Goal 9, Objectives B & E
		<b>Mitigation Measure LU - 2:</b> Initiate a “Complete Streets” Technical Assistance Program.							Goal 6, Objective C; & Goal 9, Objectives A & B

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
<b>3.12 HAZARDOUS MATERIALS TRANSPORT</b>									
				<b>3.12-1</b> Construction and maintenance activities associated with the implementation of the RTP could potentially result in solvent and architectural coating use that may be considered hazardous if not used, stored, or disposed of properly.	Potentially significant.	<b>3.12-1(a)</b> Materials that are left over upon the completion of projects included in the 2027 RTP shall be stored properly and used for other transportation projects or purposes. Such use or reuse would reduce the amount of excess materials that would require disposal.	Significant and unavoidable.	The applicable Placer County agencies shall be responsible for ensuring hazardous materials transport resource mitigation adherence by properly storing materials and using them for other transportation projects or purposes.	Goal 1, Objective B; & Goal 9, Objective A
						<b>3.12-1(b)</b> Project implementing agencies shall take steps to minimize the risk associated with handling hazardous materials in the process of facility construction.			Goal 1, Objective B; & Goal 9, Objective A
				<b>3.12-2</b> Implementation of the RTP could potentially result in decreased safety risks due to the transport of hazardous materials.	Considered beneficial.		Considered beneficial.		Goal 1, Objective B; & Goal 9, Objective A
<b>RECREATION</b>									
<b>Impact REC - 1:</b> Increased Use or Degradation of Recreation Facilities.	Less than significant.	No mitigation is required.	N/A						Goal 8, Objective A
<b>GEOLOGY, SEISMICITY &amp; SOILS</b>									
<b>Impact GEO-1:</b> Potential Structural Damage and Injury Caused by Fault Rupture.	Potentially significant at the project level.	<b>Mitigation Measure GEO-1:</b> Implement Seismic Design Standards into Site-Specific Project Design.	Potentially significant at the project level.						Goal 9, Objective A
<b>Impact GEO - 2:</b> Potential Structural Damage and Injury from Ground Shaking.	Potentially significant at the project level.	<b>Mitigation Measure GEO-1:</b> Implement Seismic Design Standards into Site-Specific Project Design.	Potentially significant at the project level.						Goal 9, Objective A
<b>Impact GEO-3:</b> Potential Structural Damage and Injury from Development on Materials Subject to Liquefaction.	Potentially significant at the project level.	<b>Mitigation Measure GEO-2:</b> Conduct Site-Specific Geotechnical Evaluations for Projects that Require Design of Earthworks and Foundations and Implement the Recommendations.	Potentially significant at the project level.						Goal 9, Objective A
<b>Impact GEO-4:</b> Potential Structural Damage as a Result of Development on Expansive Soils.	Potentially significant at the project level.	<b>Mitigation Measure GEO-1:</b> Implement Seismic Design Standards into Site-Specific Project Design.  <b>Mitigation Measure GEO-2:</b> Conduct Site-Specific Geotechnical Evaluations for Projects that Require Design of Earthworks and Foundations and Implement the	Potentially significant at the project level.						Goal 9, Objective A  Goal 9, Objective A

SUMMARY OF IMPACTS AND MITIGATION MEASURES 2035 MTP AND 2027 RTP AND RELATIONSHIP TO 2035 RTP									
2035 MTP Impact	2035 MTP Significance	2035 Mitigation Measure	Significance After Mitigation	2027 RTP Impact	2027 RTP Significance	2027 Mitigation Measure	Significance After Mitigation	2027 RTP EIR Monitoring Measure*	Relationship to 2035 RTP Goal & Objectives
		Recommendations.							
<b>Impact GEO-5:</b> Potential Accelerated Runoff, Erosion, and Sedimentation from Construction Activities.	Potentially significant at the project level.	<b>Mitigation Measure GEO-3:</b> Obtain and Implement the Requirements of the NPDES Permit into the Design of Site-Specific Projects that Would Disturb 1 or More Acres. <b>Mitigation Measure GEO-4:</b> Comply with County and City Grading Ordinances. <b>Mitigation Measure GEO-5:</b> Implement the Geotechnical Report Recommendations.	Potentially significant at the project level.						Goal 9, Objective A
<b>Impact GEO-6:</b> Inconsistency of Project with County and City Policies for Development in Geologically Hazardous Areas.	Potentially significant at the project level.	<b>Mitigation Measure GEO-1:</b> Implement Seismic Design Standards into Site-Specific Project Design.  <b>Mitigation Measure GEO-2:</b> Conduct Site-Specific Geotechnical Evaluations for Projects that Require Design of Earthworks and Foundations and Implement the Recommendations. <b>Mitigation Measure GEO-3:</b> Obtain and Implement the Requirements of the NPDES Permit into the Design of Site-Specific Projects that Would Disturb 1 or More Acres. <b>Mitigation Measure GEO-4:</b> Comply with County and City Grading Ordinances. <b>Mitigation Measure GEO-5:</b> Implement the Geotechnical Report Recommendations.	Potentially significant at the project level.						Goal 9, Objective A
									Goal 9, Objective A
									Goal 9, Objective A
									Goal 9, Objective A
									Goal 9, Objective A

**Note:**  
 \* PCTPA shall be provided with mitigation measure compliance documentation where appropriate.

- Sources:**
1. Draft EIR for the MTP 2035, SACOG, October 2007.
  2. Final Supplement Program EIR Placer County 2027 RTP, prepared by PlanWest Partners, Inc. for PCTPA, September 2005.
  3. Draft Supplement Program EIR Placer County 2027 RTP, prepared by PlanWest Partners, Inc. for PCTPA, May 2005.