

California High-Speed Rail Authority

# *Palmdale to Burbank* *Project Section*

Final Environmental Impact Report/  
Environmental Impact Statement

Appendix 4-A Resources to be Analyzed in  
Section 4(f) and Section 6(f)

April 2024



The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being or have been carried out by the State of California pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated July 23, 2019, and executed by the Federal Railroad Administration and the State of California.

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California High-Speed Rail Palmdale to Burbank Section

Sheet 1 of 8: Parks, Recreation, and Wildlife Resources within the Project RSA to be analyzed in Section 4(f)/6(f) EIS/EIR

4(f): Parks and Recreational Resources plus historic sites, wildlife and waterfowl refuges.  
 6(f): Purchase involved money from the Land and Water Conservation Fund (LWCF)  
 Please note that resource sizes are approximate. Within each subsection, resources are organized north to south.

Resource Name	Resource Type	Description	Owner(s)	Refined SR14	SR14A	E1	E1A	E2	E2A	Potential 4(f) Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	6(f) Resource?	Approximate Size (Acres) Or Length (Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
<b>Palmdale Subsection</b>																	
No use of 4(f) resources is anticipated in the Palmdale Subsection																	
<b>Central Subsection</b>																	
Palmdale Hills Trail (Proposed Extension)	Trail	Trail	Los Angeles County Department of Parks and Recreation	X	X	X	X	X	X	Yes	N/A	No	1 mile route	South of Lake Palmdale	Nearest HSR Improvements/Distance from Centerline: 0 ft.	Permanent Use ( <i>de minimis</i> ) SR14 - realignment from tunnel portal E1/E2 - at-grade crossing	Refined SR14 and SR14A would tunnel under the proposed trail but may require trail realignment; E1, E1A, E2, and E2A would cross trail at-grade and would require permanent acquisition of a portion of the trail and possible rerouting. Trail access would be maintained through realignment. Source of proposed trail information: LA County Department of Parks and Recreation adopted 2007 trails map.
Acton Community Trail (Proposed Extension)	Trail	Trail	Los Angeles County Department of Parks and Recreation			X	X	X	X	Yes	N/A	No	Not available	Follows the existing Metrolink tracks through Acton, and loops via Cedarcroft. Road and County Ways Road.	Nearest HSR Improvements/Distance from Centerline: 0 ft.	Permanent Use ( <i>de minimis</i> ) - E1/E2 traction power facilities	E1, E1A, E2, and E2A would run parallel (at-grade and retained cut) to the proposed trail. Proposed traction power facilities would require permanent incorporation of approximately 150 feet of the trail extension. Trail access would be maintained through realignment. Source of proposed trail information: LA County Department of Parks and Recreation adopted 2007 trails map.
Littlerock Trail (Proposed Extension)	Trail	Trail	Los Angeles County Department of Parks and Recreation	X	X	X	X	X	X	Yes	N/A	No	1 mile route	Runs south along the Sierra Highway until E. Soledad Road, and then veers east in to the ANF.	Nearest HSR Improvements/Distance from Centerline: 0 ft.	Permanent Use ( <i>de minimis</i> ) - All build alternatives	The Refined SR14 and SR14A Build Alternatives would include the construction of a traction power facility and overhead utility lines that conflict with the proposed Littlerock Trail extension in the area of the SR14/Sierra Highway interchange. E1 and E2 Alternatives would cross the trail in a cut-and-cover tunnel. Although ownership of this land would change, the trail would remain open and available to the public. Source of proposed trail information: LA County Department of Parks and Recreation adopted 2007 trails map.
Vasquez Loop Trail (Proposed Extension)	Trail	Trail	Los Angeles County Department of Parks and Recreation	X	X	X	X	X	X	Yes	N/A	No	3 mile route	Runs in a north-south direction, along Red Rover Mine Road in Acton.	Nearest HSR Improvements/Distance from Centerline: 0 ft.	Permanent Use ( <i>de minimis</i> ) - All build alternatives	The Refined SR14 and SR14A Build Alternatives would traverse the proposed trail extension on an elevated viaduct. Overhead electrical utility lines would also be installed across the proposed trail. E1 and E2 Alternatives would require the permanent acquisition of an approximately 0.2-mile segment of the proposed trail. If needed, the trail would be realigned along with the existing access road where the trail is proposed to be extended. Although ownership of this land would change, the trail would remain open and available to the public when project construction is complete. Source of proposed trail information: LA County Department of Parks and Recreation adopted 2007 trails map.
Rim of the Valley Trail (Proposed Extension)	Trail	Trail	United States Department of the Interior, National Park Service	X	X			X	X	Yes	N/A	No	80 miles are existing. The proposed extension would incorporate additional 120 miles of trail.	The trail would encircle the area known as the Rim of the Valley Corridor, an area that circles around the San Fernando Valley, through the ANF, Simi Valley, and Santa Monica Mountains.	Nearest HSR Improvements/Distance from Centerline: 0 ft.	Temporary occupancy	The Refined SR14, SR14A, E2, and E2A Build Alternatives would require construction activities adjacent to and within small segments of the Rim of the Valley proposed trail extension. Increases in noise and dust levels would be noticeable to trail users during construction. While these impacts could be a nuisance to patrons, they would be temporary in nature. Access to the trail would be maintained throughout construction via short detours around construction areas. Construction of the Refined SR14, SR14A, E2, and E2A Build Alternatives would not prevent or substantially impair public use of the proposed trail across its 200 miles, including the protected activities (hiking, nature study, and equestrian uses). If the proposed Rim of the Valley Trail extension is not operational at the time of project construction, there would be no temporary access, noise, vibration, air quality, or visual changes associated with the SR14 Alignment Alternative. Source of proposed trail extension information: National Parks Service, Rim of the Valley Trail 2012
Pacific Crest Trail (PCT)	Trail	National Trail	USFS (U.S. Department of Agriculture)	X	X	X	X	X	X	Yes	N/A	No	The PCT's entire length is 2,659 miles long.	PCT runs from Manning Park on the US-Canada border to the US-Mexico border, just south of Campo, California.	Nearest HSR Improvements/Distance from Centerline: 0 ft.	Permanent Use ( <i>de minimis</i> ) - SR14 only	The Refined SR14 and SR14A Build Alternatives would be on viaducts where it would intersect a section of the existing PCT. Refined SR14/SR14A Alternatives would require the permanent acquisition of approximately 0.7 mile of the current alignment of the PCT trail. These acquisitions would require the realignment of the PCT. The Authority has consulted with the Pacific Crest Trail Association, the Bureau of Land Management, and USFS regarding trail realignment options and has developed a preliminary PCT realignment that would be part of the SR14 Alternative. If the SR14 Alternative is selected, the trail realignment would be operational prior to the commencement of construction. E1/E1A and E2/E2A alignments would tunnel underneath the PCT where the PCT travels through the ANF/SGMNM. No use from E1/E1A or E2/E2A alternatives.

Resource Name	Resource Type	Description	Owner(s)	Refined SR14	SR14A	E1	E1A	E2	E2A	Potential 4(f) Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	6(f) Resource?	Approximate Size (Acres) Or Length (Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
Angeles National Forest including San Gabriel Mountains National Monument, includes Magic Mountain Wilderness	National Forest	Trails, Campgrounds, other recreational resources	USFS (U.S. Department of Agriculture)	X	X	X	X	X	X	Yes	N/A	No	700,000 acres	Between Antelope, San Fernando, and San Gabriel Valleys in Los Angeles County	Nearest HSR improvements/Distance from Centerline: 0 ft.	<p><b>No Use</b> - Based on a detailed analysis of ANF/SGMNM land uses, HSR has preliminarily concluded the only land use type that meets the criteria for evaluation under Section 4(f) is <b>Wilderness</b>. The RSA does not include any land with the Wilderness land use designation. Therefore, there is no potential for a Section 4(f) use.</p>	<p>Proposed adit options have been placed on a private in-holding (private property not for recreational use) near existing roadways within ANF/SGMNM. This land is not open to the public, and therefore not protected by Section 4(f).</p> <p>Individual recreation areas within ANF/SGMNM:</p> <p>The Wildlife Way Station (14831 Little Tujunga Canyon Rd) is a 160-acre private animal sanctuary within ANF. As a privately operated sanctuary on private land (inholding), it is not a Section 4(f) resource.</p> <p>The Magic Mountains Wilderness is a Section 4(f) resource within ANF/SGMNM. The Refined SR14/SR14A Build Alternative alignments would pass to the west of the Magic Mountain Wilderness in an underground tunnel. No construction/temporary activities are proposed in this resource. Therefore, no use is anticipated.</p> <p>Live Oak Campground is a Section 4(f) resource within ANF/SGMNM. The campground is 192 ft. west of the proposed SR14 centerline. The Refined SR14/SR14A alignment would be in an underground tunnel at this location, and no construction/temporary activities are proposed at the campground. Therefore, no use is anticipated.</p> <p>The North Fork Saddle Picnic Area is a Section 4(f) resource within ANF/SGMNM. The picnic area is approximately 50 ft. from the E2/E2A alignment centerline, where the alignment would be in an underground tunnel. No construction/temporary activities are proposed at the campground. Therefore, no use is anticipated.</p> <p>The North Fork Saddle Station (Ranger Station) is located within ANF/SGMNM. The station is for forest maintenance, fire prevention, and administrative purposes and does not include recreational facilities or other features or attributes qualifying it as a Section 4(f) resource.</p> <p>Dutch Louis Campgrounds a Section 4(f) resource within ANF/SGMNM. The E1/E1A alignment would pass the campsite in a tunnel approximately 352 ft. to the north. No construction/temporary activities are proposed at the campground. Therefore, no use is anticipated.</p> <p>Oak Spring Trail is a Section 4(f) resource within ANF/SGMNM. The E2/E2A alignment would tunnel directly below the trail, transecting the resource twice. No construction/temporary activities are proposed at or on the trail. Therefore, no use is anticipated.</p> <p>Bear Divide Vista Picnic Site is a Section 4(f) resource within ANF/SGMNM. Under the Refined SR14/SR14A and E1/E1A alternatives, a utility easement would be created along the roadway approximately 46 ft. from the picnic site. No use anticipated from utility easements in existing roadway adjacent to the picnic site.</p> <p>Pacoima Target Shooting Area was identified through our GIS screening of the RSA. No substantial resource information could be gathered. The resource is shown to be located within the Angeles National forest, where it is only lawful to shoot on two identified shooting sites. This resource is not located on either of the aforementioned properties. At this time, it appears this facility is no longer operational. This will need to be confirmed through coordination with ANF.</p> <p>The LA River Ranger District Office is located within ANF/SGMNM. Although access to the station is not restricted, there are no recreational amenities on the property. General visits to the district office are not recreational in nature and may include the purchase of forest permits. Given this, the station has been determined not subject to Section 4(f) requirements.</p>
Hansen Dam Open Space Area	Open Space	Open Space	City of Los Angeles Department of Parks and Recreation					X	X	Yes	N/A	No	813 acres	Approximately 25 miles north of downtown Los Angeles, in the Lake View terrace neighborhood.	Nearest HSR Improvements/Distance from Centerline: 0 ft.	Permanent Use ( <i>de minimis</i> ) - E2 only	<p>Refined SR14/SR14A and E1/E1A would pass approximately 1,900 feet to the west in a bored tunnel.</p> <p>The E2/E2A Alternative elevated alignment would pass directly through a 0.5-mile portion of the Hansen Dam Open Space area which extends east from Hansen Dam into Big Tujunga Wash. The viaduct would require the placement of about 30 support piers/footings within the Hansen Dam Open Space area. The total permanent acquisition area would be approximately 13 acres of the 813-acre resource. The placement of footings would not require the relocation or removal of existing hiking or equestrian trails. The resource would remain accessible in the long term, and trail users would be able to pass under the viaduct to move from one area of the open space to another.</p> <p>Detailed research by the RC and HSR team has confirmed this is not a Section 6(f) resource. A memo summarizing these findings was submitted to HSR on 2/21/18.</p>
Lang Station Open Space at Bee Canyon	Open Space	Open Space and 1.17-mile trail	City of Santa Clarita	X	X					No	N/A	No	208 acres	The Lang Station Open Space at Bee Canyon consists of undeveloped land east of State Route 14 near the intersection of Stonecrest Road and Soledad Canyon Road in Acton.	Nearest HSR Improvements/Distance from Centerline: 0 ft. (at-grade alignment)	Permanent use - Refined SR14 and SR14A Build Alternatives only	<p>Detailed research by the RC and HSR team has confirmed this is not a Section 6(f) resource. Based on a review of the list of LWCF Projects throughout California, Lang Station Open Space is not a Section 6(f) property. Additionally, no Section 6(f) properties occur within the Section 4(f)/Section 6(f) RSA for the Palmdale to Burbank Project Section. Therefore, no LWCF monies were used to acquire or develop recreational resources in the RSA, including within Los Angeles County. A summary of these findings was submitted to HSR on in the Lang Station Open Space individual analysis 3/29/24.</p>
<b>Burbank Subsection</b>																	
resources is anticipated in the Burbank Subsection																	
<b>Maintenance Facility</b>																	
No use of 4(f) resources is anticipated in the Maintenance Facility area																	

California High-Speed Rail Palmdale to Burbank Section

Sheet 2 of 8: Parks, Recreation, and Wildlife Resources within the Project RSA; dismissed from further analysis

4(f): Parks and Recreational Resources plus historic sites, wildlife and waterfowl refuges.

6(f): Purchase involved money from the Land and Water Conservation Fund (LWCF)

Please note that resource sizes are approximate. Within each subsection, resources are organized north to south.

Resource Name	Resource Type	Description	Owner(s)	Refined SR14	SR14A	E1	E1A	E2	E2A	Potential 4(f) Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	6(f) Resource?	Approximate Size (Acres) Or Length (Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
Palmdale Subsection (The Palmdale Subsection is provided for informational purposes)																	
Desert Sands Park	Park	Park	City of Palmdale	X	X	X	X	X	X	Yes	N/A	No	20 acres	39117 3rd Street East, Palmdale	Nearest HSR improvements: roadway improvements (450 ft. to the east) and a drainage basin (600 ft. to the east). Distance from Centerline: 1,400 ft.	No use	No part of Desert Sands Park would be included in the temporary impact area for project construction activities. No temporary construction easements would be required from this park. No permanent acquisition of property from this park would occur.  Implementation of the project within the Palmdale Subsection would create a visual environment similar to existing conditions created by the Metrolink rail corridor. Due to the distance between Desert Sands Park and the rail alignment (1,400 feet to the east), the operation of HSR trains would not affect this park. The nearest completed roadway improvements (450 feet to the east) would be similar in character to the existing conditions along East Avenue P 8, near this park. No changes to the character of this resource would occur with implementation of alignment alternatives. The project would not substantially impair the resource's protected activities, features or attributes.
Play grounds at R. Rex Parris High School	School playground	Sports fields	Palmdale Unified School District	X	X	X	X	X	X	No	The recreation areas at this school are available for public use on a reservation basis, but the official with jurisdiction (Antelope Valley Union High School District) has stated that the recreation areas at this school are not considered to be of significance for local recreational purposes. Therefore, this resource is not subject to Section 4(f) requirements and will not be discussed further in the Section 4(f) ED section.	No	N/A	38801 Clock Tower Plaza Drive E, Palmdale	Nearest HSR Improvements: 0 ft. Distance from Centerline: 150 ft.	N/A	Not a 4(f) resource  Source from B-P Regional Consultant: 2016. VMA Communications. Personal communication via email requesting information about the availability of school play areas for public use at Life Source International Charter School, Antelope Valley High School, and Rex Parris High School. September 19, 2016.
Play grounds at Yucca Elementary School	School playground	Sports courts, field	Palmdale Unified School District	X	X	X	X	X	X	Yes	N/A	No	9 acres	38440 2nd Street East, Palmdale	Nearest HSR Improvements: Drainage basin 1,000 ft. to the east. Distance from Centerline: 2,200 ft.	No use	The school's amenities include ball courts and an outdoor field, which are available for public use with a permit from the school administration.  No part of Yucca Elementary School would be included in the temporary impact area for project construction activities. No temporary construction easements would be required from this school. No permanent acquisition of property from this school would occur.  The area between Yucca Elementary School and the proposed project improvements (all alignment alternatives) is densely developed with an urban mix of residential and commercial land uses. The HSR alignment and support facilities would not be visible from this school. Based on the relative distance to project improvements, and intervening development, no long-term air quality, noise, visual, or access effects would occur at this school. Therefore, implementation of the project would not result in changes in the character of this Yucca Elementary School or reduce its capacity or value to serve as a recreational facility to the surrounding community. The project would not substantially impair the resource's protected activities, features or attributes.
Hammack Activity Center	Public Recreation Center	Recreational Center	City of Palmdale	X	X	X	X	X	X	Yes	N/A	No	4 acres	815 E Avenue Q6, Palmdale	Nearest HSR Improvements: 0 ft. - The Palmdale Station entry plaza, with associated pick-up/drop-off zones and pedestrian overcrossing platform, would be constructed immediately south of the Hammack Center outdoor roller hockey rinks Distance from Centerline: 1,000 ft.	No use	No part of the Hammack Activity Center would be included in the temporary impact area for project construction activities. No temporary construction easements would be required from this recreational facility. No permanent acquisition of property from the Hammack Activity Center would occur.  The Palmdale Station entry plaza, with associated pick-up/drop-off zones and pedestrian overcrossing platform, would be constructed immediately south of the Hammack Activity Center outdoor roller hockey rinks; however, access from 9th Street East to the parking lot associated with this recreational facility would be open to patrons throughout the construction and operation of the Palmdale Station improvements. Roadway improvements to Sierra Highway and Avenue Q 6 East would also occur.  The Hammack Activity Center is surrounded by dense commercial and transportation development, including Sierra Highway and the Metrolink rail located approximately 550 feet to the west. The highway and Metrolink rail would continue to be the predominant sources of noise and vehicle emissions in the area, and would be located in between the Palmdale Station improvements and the Hammack Activity Center. The proposed Palmdale Station entry plaza would be consistent with the commercial land uses and transit infrastructure in the immediate area of the activity center, and would not generate noise or pollutant emissions to a level that would inhibit the use of the outdoor roller hockey rinks (see Section 3.3 and Section 3.4). Given the above, the operation of the project would not result in changes in the character of the Hammack Center. The project would not substantially impair the resource's protected activities, features or attributes.  The Authority and FRA have begun consultation with the City of Palmdale with regard to the characterization of project effects in the context of this Section 4(f) evaluation, consistent with 49 U.S.C. 303(d)(3)(B).  The B-P ED Section determined that no use would occur at the Hammack Activity Center.
Play grounds at Guidance Charter School	School playground	Sport court, field	Palmdale Unified School District	X	X	X	X	X	X	No	No public use permitted; thus this recreation area is not subject to Section 4(f) requirements and will not be discussed further in the Section 4(f) ED section.	No	N/A	1125 East Palmdale Boulevard, Palmdale	Nearest HSR Improvements: Road improvements 560 ft. west Distance from Centerline: 2,700 ft.	N/A	Not a resource.  The Guidance Charter School does not provide publically accessible recreational facilities or play areas. Personal Communication with Guidance Charter School Administration. 12/27/16.
Poncitlan Square	Park	Park	City of Palmdale	X	X	X	X	X	X	Yes	N/A	No	2 acres	38315 9th Street East, Palmdale	Nearest HSR Improvements: Road improvements 115 ft. to the northeast Distance from Centerline: 700 ft.	No use	No part of Poncitlan Square would be included in the temporary impact area for project construction activities. No temporary construction easements would be required from this park. No permanent acquisition of property from Poncitlan Square would occur.  Permanent roadway improvements along 9th Street East and East Palmdale Boulevard would be consistent with the existing character of the area. No changes in access to Poncitlan Square would occur. Based on the distance of this resource from the proposed railway alignment and intervening development, no long-term air quality, noise, visual, or access effects would occur at this park. Given the above, the operation of the project would not result in changes in the character of Poncitlan Square. The project would not substantially impair the resource's protected activities, features or attributes.  The Authority and FRA have begun consultation with the City of Palmdale with regard to the characterization of effects of the project in the context of this Section 4(f) evaluation, consistent with 49 U.S.C. 303(d)(3)(B).  The B-P ED Section determined that there would be no effect/no use at Poncitlan Square.
Legacy Commons Recreational Center	Park	Recreational Center (available for rental), Outdoor areas/park	City of Palmdale	X	X	X	X	X	X	Yes	N/A	No	3 acres	930 East Avenue Q9, Palmdale	Nearest HSR Improvements: Road improvements 150 ft. to the northeast Distance from Centerline: 1,120 ft. from centerline; within 0.5 miles of Palmdale Station	No use	No part of Legacy Commons Recreation Center would be included in the temporary impact area for project construction activities. No temporary construction easements would be required from this recreational facility. No permanent acquisition of property from Legacy Commons Recreation Center would occur.  Permanent roadway improvements along 9th Street East and 10th Street East would be consistent with the existing character of the area. No changes in access to Legacy Commons Recreation Center would occur. Based on the distance of this resource from the proposed railway alignment and intervening development, no long-term air quality, noise, visual, or access effects would occur at this recreational facility. Given the above, the operation of the project would not result in changes in the character of Legacy Commons Recreation Center. The project would not substantially impair the resource's protected activities, features or attributes.  The B-P ED Section determined that there would be no effect/no use at Legacy Commons Recreation Center.
Courson Park	Park	Park	City of Palmdale	X	X	X	X	X	X	Yes	N/A	No	4 acres	38226 10th Street, Palmdale	Nearest HSR Improvements: Road improvements 600 ft. to the north Distance from Centerline: 1,367 ft.; within 0.5 miles of Palmdale HSR Station	No use	No part of Courson Park would be included in the temporary impact area for project construction activities. No temporary construction easements would be required from this recreational facility. No permanent acquisition of property from Courson Park would occur.  Permanent roadway improvements along 10th Street East would be consistent with the existing character of the area. No changes in access to Courson Park would occur. Based on the distance of this resource from the proposed railway alignment and intervening development, no long-term air quality, noise, visual, or access effects would occur at this recreational facility. Given the above, the operation of the project would not result in changes in the character of Courson Park. The project would not substantially impair the resource's protected activities, features or attributes.  This resource was included in the B-P ED. The B-P ED determined that Courson Park would not experience a permanent use or temporary occupancy, and also would not experience a constructive use based on the distance between the resource and the project improvements and the presence of intervening land uses. Therefore, it was excluded from further consideration in this EIR/EIS as it is not within the RSA for this project section.

Resource Name	Resource Type	Description	Owner(s)	Refined SR14	SR14A	E1	E1A	E2	E2A	Potential 4(f) Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	6(f) Resource?	Approximate Size (Acres) Or Length (Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes	
<b>Central Subsection</b>																		
Tejon Equestrian Park	Park, Trail	Park, Trail	City of Palmdale	X			X			X	Yes	N/A	No	19 acres	East of the Sierra Highway and south of Barrel Springs Road	Nearest HSR Improvements: 100 feet. The SR14A, E1A, and E2A Build Alternatives would be at grade near the southern and western limits of Tejon Equestrian Park.  Distance from Centerline: 310 feet	No use	No part of Tejon Equestrian Park would be included in the permanent or temporary impact areas for project construction activities. No temporary construction easements would be required from this park. No permanent acquisition of property from this park would occur.  Although implementation of the SR14A, E1A, and E2A Build Alternatives would not physically affect the park, users would be able to see a train passing and would experience heightened noise levels when a train passes through the area. However, a quiet setting is not a prerequisite for resource operations because of the existing noise setting and features of the resource. The facilities closest to the SR14A, E1A, and E2A Build Alternative alignments would be the parking lot and arena, both of which do not require a quiet setting to operate. The Sierra Highway currently passes less than 1,000 feet from the park, creating an existing noisy environment. While the alignments would be visible to the west (where the Sierra Highway is already visible), park users would still have expansive views to the north, east, and south virtually unobstructed. The overall viewshed setting would not be substantially altered. Operational noise would not inhibit the use of this resource by the community.
Lake Palmdale	Lake	Fishing, boating	Palmdale Water District	X		X		X			No	No			Nearest HSR Improvements: Road improvements 180 ft. to the west  Distance from Centerline: 480 ft.	N/A	Not a resource; this area is not open to the public for recreation. Private membership is required.	
Una Lake	Lake	Aquatic recreation facilities	Private	X	X	X	X	X	X		No	No			Nearest HSR Improvements/Distance from Centerline: 0 ft.	N/A	Not a resource; Una Lake is privately owned and enclosed by fencing.	
Darrell Readmond Trail (Proposed Extension)	Trail	Trail	Los Angeles County Department of Parks and Recreation	X	X						Yes	No	22 miles	Runs along Escondido Canyon Road in the vicinity of the SR14 Alternative Alignment	Nearest HSR Improvements: 0ft  Distance from Centerline: 0 ft.	No use	No part of the proposed Darrell Readmond Trail extension would be included in the temporary impact area for the SR14 Alignment Alternative. No temporary construction easements would be required from this facility. The utility easement would not affect surface improvements along Escondido Canyon Road. No permanent acquisition of property from the proposed Darrell Readmond Trail extension would occur.  The subsurface utility easement in Escondido Canyon Road would not affect the existing character of the area where the proposed Darrell Readmond Trail extension would be located. No changes in access to the trail would occur. The project would not substantially impair the resource's protected activities, features or attributes.  Source of proposed trail information: LA County Department of Parks and Recreation adopted 2007 trails map.	
Playgrounds at Vasquez High School	School playground	Sport court, field	Acton-Agua Dulce Unified School District	X	X						Yes	No	N/A	33630 Red Rover Mine Road, Acton	Nearest HSR Improvements: Road improvements 700 feet north, utility easement within Escondido Canyon Road  Distance from Centerline: 1,550 feet (Refined SR14) 230 feet (SR14A) (bored tunnel)	No use	No part of Vasquez High School would be included in the temporary impact area for the SR14 Alignment Alternative. No temporary construction easements would be required from this facility. The utility easement would not affect surface improvements along Escondido Canyon Road. No permanent acquisition of property from the high school would occur.  The subsurface utility easement in Escondido Canyon Road would not affect the existing character of the Vasquez High School outdoor play areas. No changes in permanent access to the high school would occur. Construction of railway viaduct over Escondido Canyon Road would alter views from the high school. However, this segment of the proposed trail extension is adjacent to the SR-14 corridors, as well as low density commercial and residential land uses. Due to the existing setting in the vicinity of the proposed viaduct, implementation of the SR14 Alignment Alternative would not result in changes in the character of school's outdoor play areas.  The project would not substantially impair the resource's protected activities, features or attributes.	
Play grounds at High Desert Middle School	School playground	Sport court, field	Acton-Agua Dulce Unified School District	X	X						Yes	No	14 acres	3620 Antelope Woods Road, Acton	Nearest HSR Improvements: Road improvements 630 feet west  Distance from Centerline: 0 feet (bored tunnel)	No use	No part of High Desert Middle School would be included in the temporary impact areas for the Refined SR14 and SR14A Build Alternatives. No temporary construction easements would be required from this facility. No permanent acquisition of property from the high school would occur. Access to the resource would be uninterrupted.  Because of the distance from the school, and intervening freeway corridor, the access roadway improvements to Clanfield Street would not affect the existing character of the High Desert Middle School outdoor play areas or result in visual, noise, or air quality impacts. No changes in permanent access to the high school would occur. The closest HSR railway alignment would be a bored tunneled segment approximately 0.5 mile north of the school (Refined SR14) and a bored tunneled segment underground at the southern edge of the school (SR14A), which would not result in changes in the character of school's outdoor play areas. The Palmdale to Burbank Project Section would not substantially impair the resource's protected activities, features, or attributes, or result in constructive use.	
Acton Wash Wildlife Sanctuary	Wildlife Refuge	Wildlife Refuge	Los Angeles County Parks and Recreation Department			X	X	X	X		Yes	No	75 acres	Soledad Canyon Road and Gillespie Avenue Acton, CA 93510	Nearest HSR Improvements: Utility easement within Crown Valley Road would border the sanctuary (approximately 10 feet away).  Distance from Centerline: Bored tunnel outside of resource boundary. No surface improvements.	No use	No part of the Acton Wash Wildlife Sanctuary would be included in the temporary impact area for the Build Alternatives. No temporary construction easements would be required from this facility. No permanent acquisition of property from the wildlife sanctuary would occur. Access to the resource would be uninterrupted.  The E2 and E2A Build Alternatives would include a utility easement within Aliso Canyon Road that would follow the eastern border of the Acton Wildlife Sanctuary. The utility easement along Aliso Canyon Road would have no associated physical improvements and would not otherwise present operational-period impacts that would change the character of the Acton Wash Wildlife Sanctuary, such as visual or noise impacts. The Palmdale to Burbank Project Section would not substantially impair the resource's protected activities, features, or attributes, or result in constructive use.	
Vasquez Rocks Natural Area Park	Park	Trails, scenic rock outcroppings	Los Angeles County Department of Parks and Recreation	X	X						Yes	No	932 acres	10700 West Escondido Canyon Road, Agua Dulce	Nearest HSR Improvements: The Refined SR14 and SR14A Build Alternative alignments approximately 900 feet from the park on the opposite side of SR 14.  Distance from Centerline: 1,000 feet	No use	No part of Vasquez Rocks Natural Area Park would be included in the temporary impact areas for the Refined SR14 and SR14A Build Alternatives. No temporary construction easements would be required from this park. No permanent acquisition of property from Vasquez Rocks Natural Area Park would occur. Access to the resource would be uninterrupted during construction.  The utility easement along Agua Dulce Canyon Road would have no associated physical improvements and would not present operational-period impacts that would change the character of the Vasquez Rocks Natural Area Park, such as visual or noise impacts. Vehicular and pedestrian access to the park would be maintained from all existing access points. The closest physical HSR improvements to the Vasquez Rocks Natural Area Park would be 1,000 feet south. Because of the distance between the park and the HSR improvements, and the intervening SR 14 corridor, the operation of the Refined SR14 and SR14A Build Alternatives would not affect the existing character of the park. The Palmdale to Burbank Project Section would not substantially impair the resource's protected activities, features, or attributes, or result in constructive use.	
Santa Clara River Trail (Proposed Extension)	Trail	Trail	Various public and private lands including Los Angeles County land	X	X						Yes	No	N/A	Generally follows the Santa Clara River, near the Antelope Valley Freeway southeast of Forest Park	Nearest HSR Improvements/Distance from Centerline: 0 ft.	No use	The Refined SR14 and SR14A Build Alternatives would cross Soledad Canyon Road and the Santa Clara River Trail (Proposed Extension). As shown on the Los Angeles County Bikeway Map, the proposed extension would be a Class III Bike Route, which is a signed bike route that cyclists share with motor vehicles. While Class III Bike Routes can offer multi-use functions, their primary function is transportation related. Therefore, the proposed extension would not be considered a Section 4(f) resource. The Palmdale to Burbank Project Section would not substantially impair the resource's protected activities, features, or attributes, or result in constructive use.	
Rio Dulce Ranch/Open Space	Open Space	Open Space	Santa Clarita Watershed Recreation and Conservation Authority	X	X						No	No	1,016 acres	South of Agua Dulce along Agua Dulce Canyon Road	Nearest HSR Improvements/Distance from Centerline: 0 ft.	N/A	Not a resource; although access to the open space is not restricted, there are no recreational amenities on the properties or access routes to/from the resources from public rights-of-way.	

Resource Name	Resource Type	Description	Owner(s)	Refined SR14	SR14A	E1	E1A	E2	E2A	Potential 4(f) Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	6(f) Resource?	Approximate Size (Acres) Or Length (Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
U.S. Department of Interior, Bureau of Land Management (BLM) Holdings	Open Space	Open Space	BLM	X	X					No	Although access to these parcels is not restricted, there are no recreational amenities on the properties or access routes to/from the resources from public rights-of-way. This site is also not officially designated as a wildlife or wildflower refuge and does not function primarily as a refuge. Given this, these resources are not considered recreational resources. Therefore, these resources are not subject to Section 4(f) requirements and will not be discussed further in the Section 4(f) ED section.	No	N/A	0 ft.	Nearest HSR Improvements/Distance from Centerline: 0 ft.	N/A	Not a resource; although access to the open space is not restricted, there are no recreational amenities on the properties or access routes to/from the resources from public rights-of-way. This site is also not officially designated as a wildlife or wildflower refuge and does not function primarily as a refuge.
Agua Dulce Canyon Parkland	Open Space	Open Space	Los Angeles County	X	X					No	There are no recorded recreational amenities within the Agua Dulce Canyon Parkland, nor is it officially designated as a wildlife or wildflower refuge. Therefore, this resource is not subject to Section 4(f) requirements and will not be discussed further in the Section 4(f) ED section.	No	N/A	South of the City of Agua Dulce	Nearest HSR Improvements/Distance from Centerline: 0 ft.	N/A	Not a resource; there are no recorded recreational amenities within the Agua Dulce Canyon Parkland.
Veterans Memorial Community Regional Park	Park	Park	Los Angeles County Department of Parks and Recreation	X	X	X	X			Yes	N/A	No	97 acres	13000 Sayre Street Sylmar, CA 91342	Nearest HSR Improvements: Utility easement 600 ft. south. Distance from Centerline: Bored tunnel outside of park boundary. No surface improvements.	No use	No part of Veterans Memorial Community Regional Park would be included in the temporary impact areas for the Refined SR14 and SR14A Build Alternatives. No temporary construction easements would be required from this park. No permanent acquisition of property from Veterans Memorial Community Regional Park would occur. Access to the resource would be uninterrupted.  The utility easement along Hubbard Street would have no associated physical improvements and would not present operational-period impacts that would change the character of the Veterans Memorial Community Regional Park, such as visual or noise impacts. Vehicular and pedestrian access to the park would be maintained from all existing access points. Neither the Refined SR14 nor the SR14A Build Alternatives would include surface improvements within 1,000 feet of the park, and the closest railway alignment would be bored tunnel. The operation of the Refined SR14 or SR14A Build Alternatives would not affect the existing character of the Veterans Memorial Community Regional Park. The project would not substantially impair the resource's protected activities, features or attributes.
El Cariso Community Regional Park	Park	Park	Los Angeles County Department of Parks and Recreation	X	X	X	X			Yes	N/A	No	80 acres	13100 Eldridge Avenue, Sylmar	Nearest HSR Improvements: Utility easement 600 feet to the southeast. Distance from Centerline: Bored tunnel outside of resource boundary. No surface improvements.	No use	No part of El Cariso Community Regional Park would be included in the temporary impact areas for the Refined SR14 and SR14A Build Alternatives. No temporary construction easements would be required from this park. No permanent acquisition of property from El Cariso Community Regional Park would occur. Access to the resource would be uninterrupted.  The utility easement along Hubbard Street would have no associated physical improvements and would not present operational-period impacts that would change the character of the El Cariso Community Regional Park such as visual or noise impacts. Vehicular and pedestrian access to the park would be maintained from all existing access points. Neither the Refined SR14 nor the SR14A Build Alternatives would include surface improvements within 1,000 feet of the park, and the closest railway alignment would be bored tunnel. The operation of the Refined SR14 and SR14A Build Alternatives would not affect the existing character of the El Cariso Community Regional Park. The project would not substantially impair the resource's protected activities, features or attributes.
Pacoima Wash Proposed Urban Greenway	Park	Wash	Los Angeles County Department of Public Works	X	X	X	X			Yes	N/A	No	68 acres	Approximately 3 miles north of Sylmar, north of the city of San Fernando. The proposed Pacoima Wash Urban Greenway would extend from the Pacoima Wash through the San Fernando Valley, and would primarily function as an urban linkage, and a recreational corridor between cities within the San Fernando Valley.	Nearest HSR Improvements: 2,500 feet Distance from Centerline: Bored tunnel outside of resource boundary. No surface improvements.	No use	No part of the Pacoima Wash Proposed Urban Greenway extension would be included in the temporary impact areas for the Refined SR14, SR14A, E1, and E1A Build Alternatives. No temporary construction easements would be required from this park. No permanent acquisition of property from the Pacoima Wash Proposed Urban Greenway extension would occur. Access to the resource would be uninterrupted.  The bored tunnel alignments closest to the Pacoima Wash Proposed Urban Greenway extension would have no associated physical improvements and would not present operational-period impacts that would change the character of the proposed trail, such as visual or noise impacts. New overhead utility lines would be installed south of the proposed greenway. The project would not substantially impair the resource's protected activities, features or attributes.
Play grounds at Hillery T. Broadous Elementary School	School playground	Sport court, field	Los Angeles Unified School District	X	X	X	X			Yes	N/A	No	N/A	12561 Fillmore Street, Pacoima	Nearest HSR Improvements/ Distance from Centerline: Bored tunnel	No use	No part of Hillery T. Broadous Elementary School would be included in the temporary impact areas for the SR14 and E1 Alignment Alternatives. No temporary construction easements would be required from this school. No permanent acquisition of property from Hillery T. Broadous Elementary School would occur.  The bored tunnel alignments that would pass under the Hillery T. Broadous Elementary School would have no associated physical improvements, and would not present potential operational-period impacts that would change the character of the school. The project would not substantially impair the resource's protected activities, features or attributes.
HHH (Hubert H. Humphrey) Memorial Recreation Center and Pool	Park	Recreational Center	City of Los Angeles Department of Parks and Recreation	X	X	X	X			Yes	N/A	No	10 acres	12560 Fillmore Street, Pacoima	Nearest HSR Improvements/ Distance from Centerline: Bored tunnel	No use	No part of HHH Memorial Recreation Center and Pool would be included in the temporary impact areas for the SR14 and E1 Alignment Alternatives. No temporary construction easements would be required from this school. No permanent acquisition of property from HHH Memorial Recreation Center and Pool would occur.  The bored tunnel alignments that would pass under the HHH Memorial Recreation Center and Pool would have no associated physical improvements, and would not present potential operational-period impacts that would change the character of the park. The tunnels would be approximately 200-280 feet below the surface of a portion of the park property. The project would not substantially impair the resource's protected activities, features or attributes.
Play grounds at Charles Maclay Middle School	School playground	Sport court, field	Los Angeles Unified School District	X	X	X	X			Yes	N/A	No	14 acres	12540 Pierce Street Pacoima	Nearest HSR Improvements/Distance from Centerline: 0 ft. (bored tunnel)	No use	No part of Charles Maclay Middle School would be included in the temporary impact area for the SR14 and E1 Alignment Alternatives. No temporary construction easements would be required from this school. No permanent acquisition of property from the Charles Maclay Middle School would occur.  The bored tunnel alignments would travel under Charles Maclay Middle School would have no associated physical improvements, and would not present potential operational-period impacts that would change the character of the school. The tunnel would have a typical depth of approximately 200-280 feet where it crosses the school property. The project would not substantially impair the resource's protected activities, features or attributes.
Roger Jessup Park	Park	Park	City of Los Angeles Department of Parks and Recreation	X	X	X	X			Yes	N/A	No	9 acres	12408 Osborne Street, Pacoima	Nearest HSR Improvements/Distance from Centerline: 0 ft. (bored tunnel)	No use	No part of Roger W. Jessup Park would be included in the temporary impact area for the SR14 and E1 Alignment Alternatives. No temporary construction easements would be required from this park. No permanent acquisition of property from Roger W. Jessup Park would occur.  The bored tunnel alignments would travel under Roger W. Jessup Park would have no associated physical improvements, and would not present potential operational-period impacts that would change the character of the park. The tunnel would have a typical depth of approximately 200-280 feet where it crosses Roger W. Jessup Park. The project would not substantially impair the resource's protected activities, features or attributes.
Play grounds at Stonehurst Avenue Elementary School	School playground	Sport court, field	Los Angeles Unified School District					X	X	Yes	N/A	No	N/A	9851 Stonehurst Avenue, Sun Valley	Nearest HSR Improvements/Distance from Centerline: 0 ft. (bored tunnel)	No use	No part of Stonehurst Avenue Elementary School would be included in the temporary impact areas for the E2 Alignment Alternatives. No temporary construction easements would be required from this school. No permanent acquisition of property from Stonehurst Avenue Elementary School would occur.  The E2 Alignment Alternatives include a bored tunnel alignment that would pass under Stonehurst Avenue Elementary School approximately 280 feet below ground surface. The tunneled railway would have no associated surface improvements, and would not present potential operational-period impacts that would change the character of the school. The project would not substantially impair the resource's protected activities, features or attributes.
Tujunga Ponds Wildlife Sanctuary	Park/Wildlife Refuge	Park/Wildlife Refuge	Los Angeles County Department of Parks and Recreation					X	X	Yes	N/A	No	13 acres	210 Freeway and Wentworth Street, Tujunga	Nearest HSR Improvements/Distance from Centerline: 4,200 ft. (outside of RSA, but may be sensitive to noise and vibration, thus included per V5 methodology)	No use	No part of the Tujunga Ponds Wildlife Sanctuary would be included in the temporary impact area for the E2 Alignment Alternatives. No temporary construction easements would be required from this area. No permanent acquisition of property from the wildlife sanctuary would occur.  The closest physical HSR improvements to the Tujunga Ponds Wildlife Sanctuary would be the elevated viaduct 0.8-mile west. Because of the relative distance between the wildlife sanctuary and the HSR improvements, the operation of the E2 Alignment Alternatives would not affect the existing character of the wildlife sanctuary. The project would not substantially impair the resource's protected activities, features or attributes.

Resource Name	Resource Type	Description	Owner(s)	Refined SR14	SR14A	E1	E1A	E2	E2A	Potential 4(f) Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	6(f) Resource?	Approximate Size (Acres) Or Length (Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
Stonehurst Park and Recreation Center	Park	Park	City of Los Angeles Department of Parks and Recreation					X	X	Yes	N/A	No	45 acres	9901 Dronfield Avenue, Sun Valley	Nearest HSR Improvements: 50 ft. Distance from Centerline: 900 ft. (bored tunnel)	No use	No part of Stonehurst Park would be included in the temporary impact areas for the E2 Alignment Alternatives. No temporary construction easements would be required from this park. No permanent acquisition of property from Stonehurst Park would occur.  The bored tunnel alignments that would pass more than 1,000 feet from Stonehurst Park would have no associated physical improvements, and would not present potential operational-period impacts that would change the character of the park. The CalMat Mine disposal site is immediately adjacent to the park to the south and east. Construction spoils would be disposed of at the mine site adjacent to this resource. Given the current conditions of the mine, the temporary duration of the activity, and the lack of permanent impacts to the features and attributes which define this resource, a constructive use is not anticipated. The permanent improvements associated with the adjacent intermediate window option (E2-W2) on the CalMat Mine site would consist of relatively small structures consistent with the surrounding urban environment, and would not affect the park operations. The project would not substantially impair the resource's protected activities, features or attributes.
Sun Valley Recreation Center and Pool	Park	Rec Center and Pool	City of Los Angeles Department of Parks and Recreation	X	X	X	X			Yes	N/A	No	17 acres	8123 Vineland Avenue, Sun Valley	Nearest HSR Improvements/Distance from Centerline: 280 ft.	No use	No part of Sun Valley Pool/Sun Valley Park and Recreation Center would be included in the temporary impact areas for the SR14 and E1 Alignment Alternatives. No temporary construction easements would be required from this park. No permanent acquisition of property from Sun Valley Pool/Sun Valley Park and Recreation Center would occur.  The tunnel alignments that would travel under San Fernando Road would have no associated physical improvements, and would not present potential operational-period impacts that would change the character of Sun Valley Pool/Sun Valley Park and Recreation Center. The permanent roadway improvements at the intersection of Cantara Street and Vineland Avenue would be consistent with the surrounding urban environment, and would not affect the park operations. The project would not substantially impair the resource's protected activities, features or attributes.
Play ground at Roscoe Elementary School	School playground	Sport court	Los Angeles Unified School District	X	X	X	X			Yes	N/A	No	N/A	10765 Strathern Street, Sun Valley	Nearest HSR Improvements: +/- 20 ft. Distance from Centerline: 90 ft.	No use	No part of Roscoe Elementary School would be included in the temporary impact areas for the SR14 and E1 Alignment Alternatives. No temporary construction easements would be required from this school. No permanent acquisition of property from Roscoe Elementary School would occur. Access to the resource would be uninterrupted.  The tunnel alignments that would travel under San Fernando Road would have no associated physical improvements, and would not present potential operational-period impacts that would change the character of Roscoe Elementary School. The permanent roadway improvements would be consistent with the surrounding urban environment, and would not affect the school operations. The project would not substantially impair the resource's protected activities, features or attributes.
<b>Burbank Subsection</b>																	
Play grounds at Glenwood Elementary School	School playground	Sport court, field	Los Angeles Unified School District	X	X	X	X	X	X	Yes	N/A	No	7 acres	8001 Ledge Avenue, Sun Valley	Nearest HSR Improvements/Distance from Centerline: 0 ft. (tunnel)	No use	No part of Glenwood Elementary School would be included in the temporary impact areas for the SR14 and E1 Alignment Alternatives. No temporary construction easements would be required from this school. No permanent acquisition of property from Glenwood Elementary School would occur.  The tunnel alignments that would travel under San Fernando Road would have no associated physical improvements, and would not present potential operational-period impacts that would change the character of Glenwood Elementary School. The project would not substantially impair the resource's protected activities, features or attributes.
Robert E. Lundigan Park	Park	Park	City of Burbank	X	X	X	X	X	X	Yes	N/A	No	1 acre	2701 Thornton Avenue, Burbank	Nearest HSR Improvements: 850 ft. Distance from Centerline: 1,000 ft.	No use	No part of Robert E. Lundigan Park would be included in the temporary impact area for the Burbank Station options (all alignment alternatives). No temporary construction easements would be required from this park. No permanent acquisition of property from Robert E. Lundigan Park would occur.  The closest physical HSR improvements to the park would be 850 to 1,100 feet from Robert E. Lundigan Park, depending on the selected Burbank Station option. Because of the relative distance between the park and the HSR improvements, the intervening urban land uses, and the proximity of the Bob Hope Airport, operation of the Burbank Station (Options A or B) would not affect the existing character of Robert E. Lundigan Park. The project would not substantially impair the resource's protected activities, features or attributes.
San Fernando Road Bike Path (Proposed)	Bike Path	Proposed Class I Bike Path	City of Burbank	X	X	X	X	X	X	No	This planned bike path would be an off-street bike path for public use, and would be considered part of the transportation network. When complete the bikeway will help extend the County's network of regional Class I bike paths and connect directly to the Downtown Burbank Metrolink Station. The project is primarily funded by a grant from the Los Angeles County Metropolitan Transportation Authority (Metro). The proposed connectivity of the bike path does not demonstrate recreational characteristics or use as a recreational resource as defined under Section 4(f), consistent with FHWA's 2012 Policy Paper, Question 15a. Therefore, the bike path is not designated or functioning as a recreation resource and would not be subject to Section 4(f) requirements and thus will not be discussed further in the Section 4(f) ED section.	No	3 miles	Along San Fernando Boulevard, Victory Place, Lake Street, and the Burbank Western Flood Control Channel near the Downtown Metrolink Station in the City of Burbank	Nearest HSR Improvements/Distance from Centerline: +/- 20 ft.	N/A	Not a resource; this planned bike path would be an off-street bike path for public use, and would be considered part of the transportation network.



Resource Name	Resource Type	Description	Owner(s)	Refined SR14	SR14A	E1	E1A	E2	E2A	Potential 4(f) Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	6(f) Resource?	Approximate Size (Acres) Or Length (Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
Maintenance Facility																	
Proposed Avenue L Bike Path	Bike Path	Proposed Class I Bike Path	City of Lancaster	X	X	X	X	X	X	No	This planned bike path would be an off-street bike path for public use, and would be considered part of the transportation network per the Master Plan for Trails and Bikeways, which seeks to provide a robust non-motorized transportation network. The proposed connectivity of the bike path does not demonstrate recreational characteristics or use as a recreational resource as defined under Section 4(f), consistent with FHWA's 2012 Policy Paper, Question 15a. Therefore, the bike path is not designated or functioning as a recreation resource and would not be subject to Section 4(f) requirements and thus will not be discussed further in the Section 4(f) ED section.	No	3.4 miles	Avenue L between Sierra Highway to the west and the multi-purpose path and Lancaster Soccer Center (not in the Resource Study Area) to the east	Nearest HSR Improvements/Distance from Centerline: 200 ft.	N/A	Not a resource; this planned bike path would be an off-street bike path for public use, and would be considered part of the transportation network.
Existing Sierra Highway Bike Path	Bike Path	Class I Bike Path	City of Lancaster and City of Palmdale	X	X	X	X	X	X	No	This existing bike path is an off-street bike path for public use. It is considered to be part of the transportation network per the Master Plan for Trails and Bikeways and due to its location between the Sierra Highway right-of-way and UPRR right-of-way. The connectivity of the bike path does not demonstrate recreational characteristics or use as defined under Section 4(f), consistent with FHWA's 2012 Policy Paper, Question 15a. Therefore, the bike path is not designated or functioning as a recreation resource and would not be subject to Section 4(f) requirements and thus will not be discussed further in the Section 4(f) ED section.	No	7 miles	Extends north-south through the cities of Lancaster and Palmdale adjacent to the Union Pacific Railroad right-of-way.	Nearest HSR Improvements/Distance from Centerline: +/- 10-20 ft. (parallel to bike path)	N/A	Not a resource; this existing bike path is an off-street bike path for public use. It is considered to be part of the transportation network per the Master Plan for Trails and Bikeways.
Proposed Amargosa Creek Bike Pathway	Bike Path	Proposed Class I Bike Path	City of Lancaster and City of Palmdale	X	X	X	X	X	X	No	This planned bike path would be an off-street bike path for public use, and would be considered part of the transportation network per the Master Plan for Trails and Bikeways, which seeks to provide a robust non-motorized transportation network. The proposed connectivity of the bike path does not demonstrate recreational characteristics or use as a recreational resource as defined under Section 4(f), consistent with FHWA's 2012 Policy Paper, Question 15a. Therefore, the bike path is not designated or functioning as a recreation resource and would not be subject to Section 4(f) requirements and thus will not be discussed further in the Section 4(f) ED section.	No	2.2 miles	Extension of the Amargosa Creek Bike Pathway south along the creek from Avenue K-8 to the southern Lancaster city limits	Nearest HSR Improvements/Distance from Centerline: 1,000 ft.	N/A	Not a resource; this planned bike path would be an off-street bike path for public use, and would be considered part of the transportation network.

**California High-Speed Rail Palmdale to Burbank Section**

**Sheet 3 of 8: Parks, Recreation, and Wildlife Resources Previously Examined and outside the revised Project RSA; dismissed from further analysis**

Resource Name	Resource Type	Description	Owner(s)	Refined SR14	SR14A	E1	E1A	E2	E2A	Potential 4(f) Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	6(f) Resource?	Approximate Size (Acres) Or Length (Miles)	Location	Approximate Distance from Alignment Centerline/ Station	Prospective/Potential Use	Notes
<b>Palmdale Subsection</b>																	
American Indian Little League Fields	Park	Baseball field	American Indian Little League	X	X	X	X	X	X	No	N/A - The resource does not fall within the revised RSA.	No	5 acres	39140 Division Street, Palmdale	1329 ft.	N/A	N/A - The resource does not fall within the revised RSA.
<b>Central Subsection</b>																	
Gabrieleño Equestrian Park	Park	Equestrian Park/trail	City of Los Angeles Department of Parks and Recreation					X	X	No	N/A - The resource does not fall within the revised RSA.	No	25 acres	11126 Orcas Avenue, Lake View Terrace	0.5 mile west of the proposed E2 alignment.	No effect/no use	N/A - The resource does not fall within the revised RSA.
Playground at Discovery Charter Preparatory School	School playground	School	Los Angeles Unified School District	X	X	X	X			No	N/A - The resource does not fall within the revised RSA.	No	N/A	12550 Van Nuys Boulevard, Sylmar	560 ft.	No effect/no use	N/A - The resource does not fall within the revised RSA.
Play ground at Sun Valley High School	School playground	School	Los Angeles Unified School District	X	X	X	X			No	N/A - The resource does not fall within the revised RSA.	No	N/A	9171 Telfair Avenue, Sun Valley	1,370 ft. from proposed SR14 and E1 elevated alignments; within 0.5 miles of a proposed traction power facility.	No effect/no use	N/A - The resource does not fall within the revised RSA.
<b>Burbank Subsection</b>																	
De Garmo Park	Park	Park	City of Los Angeles Department of Parks and Recreation	X	X	X	X	X	X	No	N/A - The resource does not fall within the revised RSA.	No	3 acres	De Garmo Park, Sun Valley CA 91352	1584 ft. from Burbank Station	No effect/no use	N/A - The resource does not fall within the revised RSA.

**California High-Speed Rail Palmdale to Burbank Section**

**List of Potential 4(f) Archaeological Resources within the APE**

**Sheet 4 of 8: Archaeological Resources to be analyzed in Section 4(f)/6(f) EIS/EIR**

Resource sizes are approximate.

Resource Name	APE Map Page	Description	Eligible/Potentially Eligible under NRHP Criterion D?	Eligible/Potentially Eligible under Criteria A, B, and/or C? (Section 4(f) Resource)	Status of Eligibility	Refined SR14	SR14A	E1	E1A	E2	E2A	Approximate Distance from Alignment Centerline/Station (ft.)*	Type of 4(f)Use**	HSR Features	Notes
19-000360	3-13	Prehistoric complex lithic scatter	Yes	Listed under Criteria A, C	Listed on NRHP as part of Vasquez Rocks Site Cluster—Criteria A, C, D, 1972	X						Agua Dulce Canyon Road Utility Easement 7,300 ft. from centerline and inside footprint	<u>De Minimis</u>	<b>Temporary:</b> Utility easement in Agua Dulce would cross the resource; portions of the water line can be above ground, avoiding this resource.	PFOE: No Adverse Effect  Is also part of Vasquez Rocks archeo district (big square property); NHPR. There are approximately 25 individual sites within the district. Could have surface and subsurface deposits.  Utilities being placed in roadway right-of-way. Possible that the limits of this resource extend beyond the square boundaries.
19-001859	3-13	Prehistoric rock shelter with rock art and cultural material mixed in large packrat nests	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Potentially eligible under Criteria A, C, pending formal evaluation	Unevaluated—not an exempt archaeological property	X	X					110 ft. from centerline and inside footprint	<u>De Minimis</u>	<b>Temporary:</b> Access Road/Briggs Edison Road; access to the area of this resource would be via existing roadways. No ground disturbance.	PFOE: No Adverse Effect  Rock shelter with rock art. Partially within footprint. Project is proposing access road; When we click on KMZ it says "Enviro access road". There is an existing road; if they use the existing road/or upgrade existing road, not likely to affect.
19-003890	3-13	Prehistoric Vasquez Rocks Archaeological District	Yes	Listed under Criteria A, C	Listed on NRHP—Criteria A, C, D, 1972	X	X					Agua Dulce Canyon Road Utility Easement 5,000 ft. from centerline and inside footprint	<u>De Minimis</u>	<b>Temporary:</b> Utility easement in Agua Dulce would cross the resource; portions of the water line can be above ground, avoiding this resource.	PFOE: No Adverse Effect

\* Per V5 methodology, the RSA for 4(f) evaluation of archeological resources is the APE established in the ASR. Therefore, distances from the proposed HSR improvements and/or centerline may exceed the 1,000 ft. RSA established for evaluation of park and recreation resources.

\*\* Determination of whether an archeological resource is also a Section 4(f) resource requires two criteria be met: 1) eligibility for the NRHP under Criteria A, B, or C, and 2) determination through consultation with SHPO/THPO that the resource warrants preservation in place. This preliminary 4(f) resource screening identifies resources that meet the first criteria. Consultation with SHPO/THPO on preservation in place will be completed by HSR/FRA

**California High-Speed Rail Palmdale to Burbank Section**

**Sheet 5 of 8: Archaeological Resources within the APE dismissed from further analysis**

Resource sizes are approximate.

Resource Name	APE Map Page	Description	NRHP Criterion D	4(f) Resource (Criterion A-C)	Eligibility	Refined SR14	SR14A	E1	E1A	E2	E2A	Approximate Distance from Alignment Centerline/Station (ft.)*	Type of 4(f) Use**	HSR Features	Notes
<b>PFOE: Historic Properties with No Demonstrable Effect from any Alternative</b>															
19-001142	5-12	Prehistoric lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Portion of site in APE unevaluated—not an exempt archaeological property					X	X	1,625 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Subsurface Easement	PFOE: No Effect
19-001892	3-4	Prehistoric lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X						On centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Subsurface Easement	PFOE: No Effect
19-001895	3-4	Prehistoric lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X						On centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Subsurface Easement	PFOE: No Effect
5015500119	4-8 5-8	Prehistoric stone circles and clusters	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	No	Unevaluated; <b>FRA determined ineligible</b>			X	X	X	X	On centerline and inside footprint	<u>Not a 4(f) Resource</u>	Subsurface Easement	PFOE: No Effect
5015500122	4-8 5-8	Prehistoric rock alignment and lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	No	Unevaluated; <b>FRA determined ineligible</b>			X	X	X	X	On centerline and inside footprint	<u>Not a 4(f) Resource</u>	Subsurface Easement	PFOE: No Effect
5015500126	4-10 5-10	Prehistoric rock features	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property			X	X	X	X	On centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Subsurface Easement	PFOE: No Effect
5015500127	4-10 5-10	Prehistoric circular rock feature	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property			X	X	X	X	On centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Subsurface Easement	PFOE: No Effect
19-101402/HSR-PB-001	4-12	Prehistoric: Possible hearth feature	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated			X	X			On centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Subsurface Easement	PFOE: No Effect
19-101403/HSR-PB-002	4-8 5-8	Historic: Rock cairn	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	No	Unevaluated; <b>FRA determined ineligible</b>			X	X	X	X	On centerline and inside footprint	<u>Not a 4(f) Resource</u>	Subsurface Easement	PFOE: No Effect
<b>PFOE: 5.1.1 Physical Destruction of or Damage to All or Part of a Property</b>															
19-000305	3-4 4-5 5-5	Prehistoric habitation site with petroglyph	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X	X	X	X	X	X	On centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Refined SR14/SR14A would tunnel approximately 700 ft. to the west of this site. E1/E1A and E2/E2A would directly transect this site at-grade.	PFOE: Refined SR14/SR14A - No Adverse Effect, E1/E1A/E2/E2A - Adverse Effect
19-000541	3-13	Prehistoric habitation site	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X	X					5,000 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Temporary: Utility Easement	PFOE: No Adverse Effect
19-000591	3-13	Prehistoric complex lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X	X					70 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Temporary: Staging or Construction Area Permanent: Track ROW, Traction Power Facility/Utility Lines	PFOE: No Adverse Effect

Resource Name	APE Map Page	Description	NRHP Criterion D	4(f) Resource (Criterion A-C)	Eligibility	Refined SR14	SR14A	E1	E1A	E2	E2A	Approximate Distance from Alignment Centerline/Station (ft.)*	Type of 4(f) Use**	HSR Features	Notes
19-000595	3-12	Prehistoric midden and lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X						680 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Temporary:</b> Water pipe <b>Permanent:</b> Access Road	PFOE: No Adverse Effect
19-000618	3-12	Prehistoric milling area and complex lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X						220 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Temporary:</b> Utility Easement	PFOE: No Adverse Effect
19-000628	3-12	Prehistoric earthen oven and lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X	X					230 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Temporary:</b> Utility Easement, Staging or Construction Area <b>Permanent:</b> Access Road	PFOE: No Adverse Effect
19-000800	5-15	Remains of 3 historic period German lime kilns—late 19th century (1880s–1890s)	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property					X	X	15,596 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Temporary:</b> Utility easement would cross the resource; portions of the water line can be above ground, avoiding this resource.	PFOE: No Adverse Effect
19-000902	4-8 5-8	Prehistoric habitation site	Determined NRHP-eligible by USFS	No	Considered eligible for NRHP under Criterion D by USFS			X	X	X	X	775 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	Traction Power Facility/Utility Lines, Access Road	PFOE: E1/E1A/E2/E2A - Adverse Effect
19-001410	3-18 4-16	Prehistoric portable ground-stone artifacts likely displaced from original location as decoration around a residence	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X		X	X		X	1,770 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Temporary:</b> Utility Easement <b>Permanent:</b> Traction Power Facility/Utility Lines	PFOE: No Adverse Effect
19-001572	4-8 5-8	Prehistoric rock alignment and lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property			X	X	X	X	4,470 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Permanent:</b> Traction Power Facility/Utility Lines	PFOE: No Adverse Effect
19-001690	4-10 5-10	Prehistoric lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property			X	X	X	X	220 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Temporary:</b> Staging or Construction Area	PFOE: E1/E1A/E2/E2A Adverse Effect
19-001846	3-15	Historic period landfill	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X	X					80 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Temporary:</b> Utility Easement, Access Road, Staging or Construction Area <b>Permanent:</b> Track ROW, Traction Power Facility/Utility Lines, Access Road,	PFOE: Refined SR14/SR14A Adverse Effect
19-001847	3-15	Historic period house foundations, historic debris scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X	X					80 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Permanent:</b> Track ROW	PFOE: No Adverse Effect
19-001855	3-13	Prehistoric lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X						920 ft. from centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Temporary:</b> Utility Easement <b>Permanent:</b> Access Road	PFOE: Refines SR14/SR14A Adverse Effect
19-001860	3-13	Prehistoric rock shelter and lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X	X					On centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Permanent:</b> Track ROW	PFOE: No Adverse Effect
19-001888	3-4 4-5 5-5	Prehistoric lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X	X	X	X	X	X	On centerline and inside footprint	<b>Not a 4(f) Resource</b>	<b>Permanent:</b> Traction Power Facility/Utility Lines, Track ROW	PFOE: Refined SR14/SR14A - No Adverse Effect, E1/E1A/E2/E2A - Adverse Effect

Resource Name	APE Map Page	Description	NRHP Criterion D	4(f) Resource (Criterion A-C)	Eligibility	Refined SR14	SR14A	E1	E1A	E2	E2A	Approximate Distance from Alignment Centerline/Station (ft.)*	Type of 4(f) Use**	HSR Features	Notes
19-001889	4-5 5-5	Prehistoric quarry with midden loci	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property			X		X		20 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Track ROW	PFOE: E1/E1A/E2/E2A Adverse Effect
19-001894	3-4	Prehistoric lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X						230 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Traction Power Facility/Utility Lines	PFOE: No Adverse Effect
19-001904	3-4 4-4 5-4	Prehistoric lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X		X		X		380 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Roadway	PFOE: Adverse Effect (all Alternatives)
19-001988	4-4 5-4	Prehistoric lithic scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property			X		X		41 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Track ROW, Drainage	PFOE: E1/E1A/E2/E2A Adverse Effect
19-002039	3-1 4-1 5-1	Historic period foundations/ structure pads; refuse scatter, well, fence	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X	X	X	X	X	X	0 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: E1: Potential adverse, full take (ground disturbance within the site boundary associated with drainage basin, track ROW) E2: Potential adverse, full take (ground disturbance within the site boundary associated with drainage basin, track ROW) SR14: Potential adverse, full take (ground disturbance within the site boundary associated with drainage basin, track ROW)	PFOE: Adverse Effect (all Alternatives)
19-002474	3-4 4-4 5-4	Historic period household refuse dump 1920s–1930s in ravine	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property	X		X		X		40 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Temporary: Staging or Construction Area Permanent: Track ROW, Roadway	PFOE: Refined SR14/SR14A - No Adverse Effect, E1/E1A/E2/E2A - Adverse Effect
19-003344	4-8 5-8	Historic period mortarless stacked rock remains	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	No	Not Eligible—Determined/SHPO Concurrence			X	X	X	X	3,450 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Traction Power Facility/Utility Lines	PFOE: No Adverse Effect
19-004778/HSR-BR-001	4-8 5-8	Prehistoric: Lithic Scatter	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated			X	X	X	X	560 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Temporary: Staging or Construction Area	PFOE: No Adverse Effect
19-188397	4-16	Historic period structural remains	Assume eligible for NRHP for the purposes of Section 106 (Criterion D)	Unlikely	Unevaluated—not an exempt archaeological property			X	X			1,515 ft. from centerline and inside footprint	<u>Not a 4(f) Resource</u>	Permanent: Traction Power Facility/Utility Lines, Utility Easement	PFOE: No Adverse Effect

\* Per V5 methodology, the RSA for 4(f) evaluation of archeological resources is the APE established in the ASR. Therefore, distances from the proposed HSR improvements and/or centerline may exceed the 1,000 ft. RSA established for evaluation of park and recreation resources.

\*\* Determination of whether an archeological resource is also a Section 4(f) resource requires two criteria be met: 1) eligibility for the NRHP under Criteria A, B, or C, and 2) determination through consultation with SHPO/THPO that the resource warrants preservation in place. This preliminary 4(f) resource screening identifies resources that meet the first criteria. Consultation with SHPO/THPO on preservation in place will be completed by HSR/FRA

California High-Speed Rail Palmdale to Burbank Section

Sheet 6 of 8: Archaeological Resources Ineligible under Section 106 and therefore Dismissed from Further Analysis

Resource sizes are approximate.

Resource Name	APE Map Page	Description	NRHP Criterion D	4(f) Resource (Criterion A-C)	Eligibility	Refined SR14	SR14A	E1	E1A	E2	E2A	Approximate Distance from Alignment Centerline/Station (ft.)*	Type of 4(f)Use**	HSR Features
<b>Palmdale Subsection</b>														
19-003189	3-2 4-2 5-2	Historic period refuse scatter	No	No	Exempt from evaluation—isolated refuse dumps and scatters over 50 years old that lack specific associations	X	X	X	X	X	X	323 ft. from centerline and inside footprint	N/A	Drainage Basin, Track ROW, Roadway
19-003190	3-2 4-2 5-2	Historic period refuse scatter	No	No	Exempt from evaluation—isolated refuse dumps and scatters over 50 years old that lack specific associations	X	X	X	X	X	X	On centerline and inside footprint	N/A	Track ROW, Roadway
19-004693	3-2 4-2 5-2	Historic period refuse deposit	No	No	Exempt from evaluation—isolated historic period find consisting of fewer than three items per 1,076 square ft.	X	X	X	X	X	X	98 ft. from centerline and inside footprint	N/A	ROW
19-003186	3-2 4-2 5-2	Historic period refuse scatter	No	No	Exempt from evaluation—isolated refuse dumps and scatters over 50 years old that lack specific associations	X	X	X	X	X	X	500 ft. from centerline and inside footprint	N/A	Drainage Basin
19-003185	3-2 4-2 5-2	Historic period refuse scatter	No	No	Exempt from evaluation—isolated refuse dumps and scatters over 50 years old that lack specific associations	X	X	X	X	X	X	On centerline and inside footprint	N/A	Track ROW, Roadway
19-002913	3-2 4-2 5-3	Historic period foundations and driveway	No	No	Exempt from evaluation—foundations and mapped locations of structures more than 50 years old with no known associations and no potential for subsurface deposits	X	X	X	X	X	X	On centerline and inside footprint	N/A	Track ROW, Roadway
19-004194	3-3 5-3	Historic period foundation and refuse scatter	No	No	Not Eligible—destroyed; resources are no longer present, as later surveys could not locate any resources	X	X	X	X	X	X	1340 ft. from centerline and inside footprint	N/A	Roadway
<b>Central Subsection</b>														
19-003815	3-4	Historic period refuse deposit	No	No	Exempt from evaluation—isolated refuse dumps and scatters over 50 years old that lack specific associations	X				X		256 ft. from centerline and inside SR14/E2 footprint	N/A	Track ROW, Roadway
19-002371	3-4 4-4 5-4	Historic period refuse deposit	No	No	Exempt from evaluation—isolated refuse dumps and scatters over 50 years old that lack specific associations	X		X		X		On centerline and inside footprint	N/A	Track ROW, Roadway
19-001906	3-4	Historic period refuse deposit	No	No	Exempt from evaluation—isolated refuse dumps and scatters over 50 years old that lack specific associations	X						126 ft. from centerline and inside footprint	N/A	Track ROW, Roadway, Traction Power Facility/Utility Lines, Tunnel Portal
19-100861	3-4 4-4 5-4	Isolate—prehistoric primary felsite flake	No	No	Exempt from evaluation—isolated prehistoric find consisting of fewer than three items per 1,076 square ft.	X		X		X		300 ft. from centerline and inside footprint	N/A	Roadway

Resource Name	APE Map Page	Description	NRHP Criterion D	4(f) Resource (Criterion A-C)	Eligibility	Refined SR14	SR14A	E1	E1A	E2	E2A	Approximate Distance from Alignment Centerline/Station (ft.)*	Type of 4(f)Use**	HSR Features
19-100869	3-4 4-4 5-4	Remains of drill rig	No	No	Exempt from evaluation—isolated historic period find consisting of fewer than three items per 1,076 square ft.	X		X		X		580 ft. from centerline and inside footprint	N/A	Roadway
19-100859	3-4	Isolate—prehistoric secondary quartz flake	No	No	Exempt from evaluation—isolated prehistoric find consisting of fewer than three items per 1,076 square ft.	X						On centerline and inside footprint	N/A	Subsurface Easement
19-100858	3-4	Isolate—prehistoric bifacially flaked felsite chopper	No	No	Exempt from evaluation—isolated prehistoric find consisting of fewer than three items per 1,076 square ft.	X						370 ft. from centerline and inside footprint	N/A	Traction Power Facility/Utility Lines
19-100840	3-4 4-5 5-5	Isolate—prehistoric chert flake	No	No	Exempt from evaluation—isolated prehistoric find consisting of fewer than three items per 1,076 square ft.	X		X		X		On centerline and inside footprint	N/A	Track ROW, Roadway
19-003536	3-4 4-5 5-5	Historic period refuse deposit	No	No	Not Eligible—Determined/SHPO Concurrence	X		X		X		260 ft. from centerline and inside footprint	N/A	Traction Power Facility/Utility Lines, Roadway
19-002907	3-4 4-5 5-5	Historic period refuse scatter	No	No	Not Eligible—Determined/SHPO Concurrence	X		X		X		On centerline and inside footprint	N/A	Track ROW, Roadway
19-002549	3-4 4-5 5-5	Historic period refuse scatter	No	No	Not Eligible—Determined/SHPO Concurrence	X		X		X		275 ft. from centerline and inside footprint	N/A	Roadway, Traction Power Facility/Utility Lines
19-100575	3-4 4-5 5-5	Historic period isolate—glass bottle base	No	No	Exempt from evaluation—isolated historic period find consisting of fewer than three items per 1,076 square ft.	X		X		X		230 ft. from centerline and inside footprint	N/A	Traction Power Facility/Utility Lines
19-100576	3-4 4-5 5-5	Historic period isolate—glass insulator	No	No	Exempt from evaluation—isolated historic period find consisting of fewer than three items per 1,076 square ft.	X		X		X		210 ft. from centerline and inside footprint	N/A	Traction Power Facility/Utility Lines
19-002908	3-4 4-5 5-5	Historic period refuse scatter	No	No	Not Eligible—Determined/SHPO Concurrence	X		X		X		146 ft. from centerline and inside footprint	N/A	Traction Power Facility/Utility Lines
19-100857	4-5 5-5	Isolate—prehistoric secondary felsite flake	No	No	Exempt from evaluation—isolated prehistoric find consisting of fewer than three items per 1,076 square ft.			X		X		282 ft. from centerline and inside footprint	N/A	Drainage Basin
19-002561	4-6 5-6	Historic period refuse scatter	No	No	Not Eligible—Determined/SHPO Concurrence			X		X		On centerline and inside footprint	N/A	Track ROW
19-003116	4-6 5-6	Historic period refuse scatter	No	No	Not Eligible—Determined/SHPO Concurrence			X		X		113 ft. from centerline and inside footprint	N/A	Drainage Basin
19-003938	3-5 4-6 5-6	Historic period refuse scatter	No	No	Exempt from evaluation—isolated refuse dumps and scatters over 50 years old that lack specific associations	X		X		X		On centerline and inside footprint	N/A	Track ROW, Traction Power Facility/Utility Lines



Resource Name	APE Map Page	Description	NRHP Criterion D	4(f) Resource (Criterion A-C)	Eligibility	Refined SR14	SR14A	E1	E1A	E2	E2A	Approximate Distance from Alignment Centerline/Station (ft.)*	Type of 4(f)Use**	HSR Features
19-002415	4-7 5-7	Prehistoric midden site	No	No	Not Eligible--destroyed			X		X		6,103 ft. from centerline and inside footprint	N/A	Utility Easement
19-101404/HSR-PB-004	4-7 5-7	Prehistoric: Isolated basalt flake	No	No	Not eligible per Section 106 PA			X		X		425 ft. from centerline and inside footprint	N/A	Drainage Basin
19-101401/HSR-BR-002	4-8 5-8	Prehistoric: Isolated flake	No	No	Not eligible per Section 106 PA			X		X		130 ft. from centerline and inside footprint	N/A	Staging or Construction Area, Tunnel Portal, Track ROW
19-100624	3-12	Isolate--prehistoric bifacial handstone and handstone fragment	No	No	Exempt from evaluation--isolated prehistoric find consisting of fewer than three items per 1,076 square ft.	X						3,000 ft. from centerline and inside footprint	N/A	Utility Easement
19-101405/ISO-ICF-TE-001	3-12	Prehistoric: Cryptocrystalline primary flake tool	No	No	Not eligible per Section 106 PA	X						110 ft. from centerline and inside footprint	N/A	Access Road, Track ROW, Traction Power Facility/Utility Lines
19-101224	3-14	Isolate--prehistoric rhyolite cobble core	No	No	Exempt from evaluation--isolated prehistoric find consisting of fewer than three items per 1,076 square ft.	X						260 ft. from centerline and inside footprint	N/A	Staging or Construction Area
19-004479/HSR-BR-003	4-8 5-8	Historic: foundations with associated refuse	Unlikely	Unlikely	Unevaluated; FRA determined ineligible			X		X		700 ft. from centerline and inside footprint	N/A	Staging or Construction Area
19-002138	5-15	Historic period Black Wonder Mill Site	No	No	Not Eligible--Determined/SHPO Concurrence					X		16,070 ft. from centerline and inside footprint	N/A	Traction Power Facility/Utility Lines, Utility Easement
19-004693	3-1 4-1 5-1	Historic period refuse deposit	No	No	Not eligible per Section 106 PA	X		X		X		1,280 ft. from centerline and inside footprint	N/A	E1: full take (ground disturbance within the site boundary associated with drainage basin, track ROW) E2: full take (ground disturbance within the site boundary associated with drainage basin, track ROW) SR14: full take (ground disturbance within the site boundary associated with drainage basin, track ROW)
19-004694	3-2 4-2 5-2	Historic period refuse scatter	No	No	Exempt from evaluation--isolated refuse dumps and scatters over 50 years old that lack specific associations	X		X		X		190 ft. from centerline and inside footprint	N/A	ROW/Permanent surface acquisition
5015500239	3-15	Historic period Lang Station Nike Missile Site	No	No	Previously determined not eligible for the NRHP, with concurrence by the State Historic Preservation Officer (SHPO)	X							N/A	

\* Per V5 methodology, the RSA for 4(f) evaluation of archeological resources is the APE established in the ASR. Therefore, distances from the proposed HSR improvements and/or centerline may exceed the 1,000 ft.

\*\* Determination of whether an archeological resource is also a Section 4(f) resource requires two criteria be met: 1) eligibility for the NRHP under Criteria A, B, or C, and 2) determination through consultation with SHPO/THPO that the resource warrants preservation in place. This preliminary 4(f) resource screening identifies resources that meet the first criteria. Consultation with SHPO/THPO on preservation in place will be completed by HSR/FRA

**California High-Speed Rail Palmdale to Burbank Section**

**Sheet 7 of 8: Historic Properties within the APE to be analyzed in Section 4(f)(6)(f) EIS/EIR**

Resource sizes are approximate. Within each subsection, resources are organized north to south.

Resource Name	Map ID	APE Map Page	City/Community	Year Built	Eligibility (Listed or Eligible for NR, or National Landmark)	NRHP/CRHR Criteria	Refined SR14	SR14A	E1	E1A	E2	E2A	4(f) Historic Resource	Approximate Size (Acres)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station*	Potential Section 4(f) Use?	Notes
<b>Palmdale Subsection</b>																		
There are no 4(f) built historic resources within the RSA of the Palmdale Subsection. References: P-B HASR, B-P HASR																		
<b>Central Subsection</b>																		
Palmdale Ditch (CA-LAN-1534H)	3480	35, 37, 38, 40	City of Palmdale	1895-1896	Eligible	A/1	X	X	X	X	X	X	Yes		Earthen ditch/channel ranging from 5 ft. to 40 ft., water course in the bottom 2 ft. Transports water from Littlelock Creek Reservoir to Lake Palmdale (10 miles). Some areas have been altered and put into underground pipes.	Nearest HSR Improvements/Distance from Centerline: 0 ft. (All Build Alternatives)	<p><b>Permanent use - De Minimis/No Adverse Effect (E1/E1A and E2/E2A)</b> E1/E1A and E2/E2A: The ditch could be severed at East Barrel Springs Road. The road would be lowered/depressed to pass below the at-grade tracks proposed at this location. However, in this location the Ditch has previously been altered and is currently in a culvert, and does not convey historic significance in this area. Therefore, the HSR project would not adversely effect this resource.</p> <p><b>Refined SR14/SR14A - No use/No Effect:</b> No action would be taken during construction or operation that would cause damage or destruction to this historic property. The proposed Refined SR14/SR14A alignment is to the west of the ditch. The Refined SR14/SR14A alignment would be in a tunnel and would not change the character of the property's use or of physical features within the setting that contribute to its significance.</p>	Eligible for its association with the development of irrigated farming in the south Antelope Valley area, and the development of the Palmdale and Littlelock Irrigation Districts.
East Branch of the California Aqueduct	3421	37, 39, 40, 41	City of Palmdale	1966-1973	Eligible	A/1 and C/3	X	X	X	X	X	X	Yes	Segment within APE measures 2.55 miles	Channel	Nearest HSR Improvements/Distance from Centerline: 0 ft. (SR14 - tunnel, E1/E2 - at-grade)	<p><b>Permanent use - De Minimis/No Adverse Effect (All Alternatives)</b> The E1/E1A and E2/E2A alignments would cross this resource on an at-grade alignment, requiring an approximately 1,900-foot-long section of the aboveground aqueduct to be converted to one or more underground pipes. As a result, the existing historic features of this section of the aqueduct would be removed. These include the unreinforced concrete channel, concrete lining, alignment curvature, and associated access roads. Water would still be able to flow through the aqueduct, but would flow through this area underground.</p> <p>The Refined SR14/SR14A Alternative would approach this resource from the north on an at-grade alignment, but would transition from at-grade to a bored tunnel 400 feet north of the aqueduct. Topographical changes and the need to construct a tunnel portal to allow the transition from at-grade to tunnel necessitate the relocation of approximately 1,500 feet of the original alignment of the aqueduct. As a result, the existing historic features of the aqueduct in this area would be removed, including the unreinforced concrete channel, concrete lining, alignment curvature, and associated access roads. Water would still be able to flow through the aqueduct, but would do so in a new, relocated canal or in one or more pipes, neither of which would follow the historic alignment in this location. The Authority has concluded that there would be no adverse effect with implementation of the Refined SR14, SR14A, E1, E1A, E2, and E2A Build Alternatives.</p>	Eligible for its association with a comprehensively planned and publically sanctioned water conveyance project and for its complex design necessary to redistribute water throughout the state.
Blum Ranch	2947	123, 132	Acton	1891-1924	Appears Eligible	A/1 and C/3			X	X	X	X	Yes	160 acres	31880 Aliso Canyon Road	Nearest HSR Improvements/Distance from Centerline: 0 ft. (E1 and E2 alignment would cross the resource on a viaduct)	<p><b>No Use/Indirect Adverse Effect (E1/E1A and E2/E2A)</b> With implementation of the E1/E1A and E2/E2A Alternatives, the HSR alignment would be visible from this historic property. The rail viaduct structure would be approximately 1,000 feet south of the historic property. Given the distance of the HSR alignment from the historic property and the fact that the integrity of the contributing structures or key agricultural features would not be diminished, the attributes and features that qualify this historic property for protection under Section 4(f) would not be diminished by views of the E1/E1A and E2/E2A Alternatives from this historic property. Therefore, the views of the HSR elevated rail structure from this historic property would not constitute a use under Section 4(f). The E1/E1A and E2/E2A Alternatives would not permanently acquire land from the Blum Ranch; therefore, neither alternative would result in a permanent use of this historical property. Similarly, neither alternative would require temporary physical occupation of the Blum Ranch, so there would be no temporary occupancy.</p> <p><b>Refined SR14/SR14A - No use/No Effect:</b> There would be no use of the resource by the SR14 Alternative.</p>	Preliminary determination of no use/indirect adverse effect has been reached based on detailed discussions with HSR and ICF. See FHWA Policy Paper question 7B.  Eligible for listing in the NRHP and the CRHR at the local level of significance as a contiguous historic district and as a rural historic landscape under Criterion A/1 for its association with the early settlement and development of agriculture in northern Los Angeles County, as well as under Criterion C/3 for the vernacular designs of its buildings, circulation networks, and water conveyance features that date to the farmstead's period of significance—1891 to circa 1924.
Blum Ranch Farmhouse	3768	132	Acton	1916	Appears Eligible	C/3			X	X	X	X	Yes		31880 Aliso Canyon Road	Nearest HSR Improvements: 300 ft. from utility easement  Distance from Centerline: 2,200 ft.	<p><b>Refined SR14/SR14A - No use/No Effect:</b> There would be no use of the resource by the SR14 Alternative.</p> <p><b>Permanent use - De Minimis/No Adverse Effect (E1/E1A and E2/E2A Alternatives)</b></p>	E1 and E2: The E1, E1A, E2, and E2A Build Alternatives would not permanently acquire land from the Blum Ranch Farmhouse; therefore, none of the Build Alternatives would result in a permanent use of this historical property. Similarly, none of the Build Alternatives would require temporary physical occupation of the Blum Ranch Farmhouse, so there would be no temporary occupancy.  The Authority has concluded that there would be no use and no constructive use of the resource by the Refined SR14 and SR14A Build Alternatives because the Blum Ranch Farmhouse is outside of their respective RSAs.
<b>Burbank Subsection</b>																		
There are no 4(f) built historic resources within the Burbank Subsection. References: P-B HASR, B-LA HASR																		
<b>Maintenance Facility</b>																		
There are no 4(f) built historic resources within the RSA of the Maintenance Facility area.																		

\* Per V5 methodology, the RSA for 4(f) evaluation of historic resources is the APE established in the HASR. Therefore, distances from the proposed HSR improvements and/or centerline may exceed the 1,000 ft. RSA established for evaluation of park and recreation resources.

**California High-Speed Rail Palmdale to Burbank Section**

**Sheet 8 of 8: Historic Properties within the APE dismissed from further analysis**

Resource sizes are approximate.

Resource Name	Map ID	APE Map Page	City/Community	Year Built	Eligibility (Listed or Eligible for NR, or National Landmark)	NRHP/CRHR Criteria	Refined SR14	SR14A	E1	E1A	E2	E2A	4(f) Historic Resource	Approximate Size (Acres)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station*	Potential Section 4(f) Use?	Notes
<b>Central Subsection</b>																		
Ranger's Residence/Kreig-Toney Residence	2118	74	Agua Dulce	1933	Appears Eligible	A/1	X	X					Yes		10700 Escondido Canyon Road	Nearest HSR Improvements: 150 ft. from utility easement	No effect/no use	Refined SR 14/SR14A: The proposed temporary (and potentially permanent) utility easements at this location would occur within the road right-of-way. There is no potential that the construction or operation of these utility lines will have direct or indirect effects on this historic property.
Mellen Ranch	2278	77	Acton	1896	Appears Eligible	A/1 and C/3	X	X					Yes		8144 Escondido Canyon Road	Nearest HSR Improvements: +/- 10 ft. - Utility easement adjacent to the property to the north Distance from Centerline: 1,800 ft. (tunnel)	No effect/no use	Refined SR 14/SR14A: The proposed temporary (and potentially permanent) utility easements at this location would occur within the road right-of-way. There is no potential that the construction or operation of these utility lines will have direct or indirect effects on this historic property.
Big Creek Hydroelectric System Historic District - Vincent Transmission Lines (contributing structure)	N/A	N/A	City of Palmdale	1927	Listed on NR	A/1 and C/3	X	X	X	X	X	X	Yes		Crosses the Palmdale to Burbank Project Section approximately 3 miles south of Lake Palmdale	Nearest HSR Improvements/Distance from Centerline: 0 ft. (Refined SR14/SR14A - tunnel, E1/E1A/E2/E2A - at grade)	No effect/no use	The Vincent Transmission Line is a contributor to the NRHP-listed Big Creek Hydroelectric System Historic District. The period of significance is from 1925-1927.
R.E. Nickel House	2546	110	Acton	1895	Appears Eligible	B/2 and C/3			X	X	X	X	Yes	.51 acres	31823 Crown Valley Road	Nearest HSR Improvements: 100 ft. from E2/E2A utility easement	No effect/no use	E1/E1A and E2/E2A: The proposed temporary (and potentially permanent) utility easements at this location would occur within the road right-of-way. There is no potential that the construction or operation of these utility lines will have direct or indirect effects on this historic property.
LADWP Boulder Transmission Line 3	2500	147, 154, 124	N/A - resource is multi-state	1939-1940	Appears Eligible	A/1 and C/3			X	X	X	X	Yes	1400 feet	N/A - resource is multi-state	Distance from Centerline: 3600 ft. from proposed tunneled alignment of E1/E1A and E2/E2A Alternatives	No effect/no use	E1/E1A and E2/E2A: Generally, the construction and operation activities for the E1/E1A and E2/E2A alternatives will occur at least .75 mile from the segments of this historic property within the project APE. There is a possibility that the traction power facility line for the portal at Aliso Canyon Road could be tied in to this line; however, if that occurs, it would not have the potential to affect the integrity of this historic property as it will continue to retain those CDFs that support its association with a historic context.
Los Pinetos Nike Missile Site	152	219, 226	N/A	1955-1956	Appears Eligible	A/1 and C/3	X	X					Yes		Forest Road 3N 17	Distance from Centerline: 1,800 ft. (tunnel)	No effect/no use	Refined SR 14/SR14A: This alternative includes subsurface tunnel that passes more than 1,400 feet from the historic property. Therefore, there is no potential for visual, atmospheric or audible effects.
Residence	1338	274	Los Angeles	1946 and 1949	Appears Eligible	C/3					X	X	Yes		11192 Osborne Street	Nearest HSR Improvements: 68 ft. from utility easement	No effect/no use	E1/E1A and Refined SR 14/SR14A: the proposed temporary (and potentially permanent) utility easements at this location would occur within the road right-of-way. There is no potential that the construction or operation of these utility lines will have direct or indirect effects on this historic property.
Shelter Isle Mobile Estates Office	190	279	Los Angeles	1961	Appears Eligible	C/3	X	X	X	X			Yes		10965 Glenoaks Boulevard	Nearest HSR Improvements/Distance from Centerline: 0 ft. (tunnel)	No effect/no use	E1/E1A and Refined SR 14/SR14A: The proposed tunnel would pass more than 200 feet below this historic property. Therefore, there is no potential for visual, atmospheric, or audible effects.
Residence	1504	287	Los Angeles	Circa 1922	Appears Eligible	C/3					X	X	Yes		10004 Clybourn Avenue	Nearest HSR Improvements/Distance from Centerline: 0 ft. (tunnel)	No effect/no use	E2/E2A: The proposed tunnel would pass approximately 45 feet below this historic property. As the alternative travels below the surface in a tunnel, there is no potential for visual, atmospheric or audible effects.
Pink Motel and Cadillac Jack's	1044	291, 292	Los Angeles	1946 and 1949	Appears Eligible	A/1 and C/3	X	X	X	X			Yes		9457 - 9475 San Fernando Rd	Distance from Centerline: 300 ft. from proposed elevated alignment of Refined SR 14/SR14A and E1/E1A Alternatives	No effect/no use	E1/E1A and Refined SR 14/SR14A: There are no direct effects to this historic property. It will not be destroyed, damaged, or removed from its historic location. This property is located in KVP 11.3, as identified in the Palmdale to Burbank Project Section Aesthetics and Visual Quality Technical Report (2017); the project scale in this location was found to be consistent with the existing visual character. Therefore, changes in visual quality are not expected to diminish the integrity of this historic property.

Resource Name	Map ID	APE Map Page	City/Community	Year Built	Eligibility (Listed or Eligible for NR, or National Landmark)	NRHP/CRHR Criteria	Refined SR14	SR14A	E1	E1A	E2	E2A	4(f) Historic Resource	Approximate Size (Acres)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station*	Potential Section 4(f) Use?	Notes
Eagle and Last Chance Mine Road	2593	152, 159, 165	Within Angeles National Forest	Circa 1880s	Appears Eligible	A/1; B/2; C/3			X	X	X	X	Yes		[no street address]	Nearest HSR Improvements/Distance from Centerline: 0 ft.	No effect/no use	E1/E1A and E2/E2A: A proposed construction staging area would be placed just east of the historic property and a portion of the road used as a truck route. Per the project engineers the road will not be widened, realigned, relocated or destroyed; asphalt may be laid depending on the condition of the road. Use of this material would not diminish the integrity of important aspects of location and association of this historic linear feature. In addition, temporary (and potentially permanent) utility easements at this location could occur within the road right-of-way. If necessary to avoid damaging the road bed, these utilities could be placed on top of the road. There is no potential that the construction or operation of these utility lines will have direct or indirect effects on this historic property.
1890s Acton Ford Road	2920	138, 147	Within Angeles National Forest	Circa 1890s	Appears Eligible	A/1			X	X	X	X	Yes		[no street address]	Nearest HSR Improvements/Distance from Centerline: 0 ft.	No effect/no use	E1/E1A and E2/E2A: This historic linear feature intersects with Aliso Canyon Road south of the tunnel portal. The installation of an overhead traction power system on Aliso Canyon Road on the west side of the road is proposed. Aliso Canyon Road right-of-way could also be widened near the intersection with the 1890s Acton Ford Road. This action has the potential to remove a sliver of the Acton Ford Road. The integrity of setting, association, location and feeling of the historic linear feature overall would not be diminished by either project component; therefore, no effect is anticipated.
Monte Cristo Wagon Road System (including Monte Cristo Mining District Road, Aliso Creek Wagon Road, Forest Road 4N32 – Aliso Arrastre Cutoff)	2990/3000/ 3002	138, 147, 154, 165	Within Angeles National Forest	1893	Appears Eligible	A/1			X	X	X	X	Yes		[no street address]	Nearest HSR Improvements/Distance from Centerline: approx. 5-10 ft.	No effect/no use	E1/E1A and E2/E2A: This historic linear feature intersects with Aliso Canyon Road south of the tunnel portal. At this location, the road has previously been bisected by Aliso Canyon Road. Under the E1/E1A and E2/E2A alternatives, proposed installation of an overhead traction power system on Aliso Canyon Road on the west side of the road would not have direct effects on this historic property. The integrity of setting, association, location and feeling of the historic linear feature overall would not be diminished; therefore, no effect is anticipated.

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