

California High-Speed Rail Authority

Palmdale to Burbank Project Section

Draft Environmental Impact Report/
Environmental Impact Statement

Appendix 4.0-A Resources to be Analyzed
in Section 4(f) and Section 6(f)

August 2022



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)(i) EIS/EIR

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

4(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 S144	S144A	E1	E1A	E2	E2A	Potential Aff. Resource?	Reason why recreation area/wildlife refuges is once a section 4(f) Resource	4(f) Resource?	Approximate Size (Acres Or Length, Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline	Prospective/Potential Use	Notes
Palmdale Subsection																	
Dr. Robert C. St. Clair Parkway (including Demonstration Garden)	Park	Park	City of Palmdale	X	X	X	X	X	X	Yes	N/A	No	8 acres; Demonstration Garden is 0.34 acres within the Parkway (not additive)	Approximately 1-mile-long cement path parallel to Sierra Highway between Avenue 2 & Avenue 8, Palmdale	Nearest HSR Improvements: 0 ft. Distance from Centerline: 315 ft.	Permanent Use (4(f) minimum) - All Built Alternatives	Three pedestrian overcrossings would connect the Palmdale Station on the west side of the rail corridor to Dr. Robert C. St. Clair Parkway on the east side of the rail corridor. One additional overcrossing would directly connect to the proposed Station Entry Plaza on the east side of Sierra Highway. Footings and track-down structures (with stairs and elevators) for the four overcrossings would be the only permanent HSR facilities in the parkway (permanent impact area is approximately 12,800 square feet).
Central Subsection																	
Palmdale Hills Trail (Proposed Extension)	Trail	Trail	Los Angeles 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 (4(f) minimum) S144 - realignment from tunnel portal E1/E2 - at-grade crossing	S144 would tunnel under the proposed trail but may require trail realignment. E1/E2 would cross trail at-grade and would require permanent acquisition of a portion of the trail and possible remaining. Trail access would be maintained through realignment. Source of proposed trail information: LA County Department of Parks and Recreation adopted 2007 trail map.
Acton Community Trail (Proposed Extension)	Trail	Trail	Los Angeles County Department of Parks and Recreation	X	X	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 (4(f) minimum) - E1/E2 traction power facilities	E1 and E2 would not parallel (at-grade and retained cut) in 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 trail 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 it reaches Solidad Road, and then veers east to the ANF.	Nearest HSR Improvements/Distance from Centerline: 0 ft.	Permanent Use (4(f) minimum) - All built alternatives	The S144 Alternative 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 S144/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 trail map.
Vaquero Loop Trail (Proposed Extension)	Trail	Trail	Los Angeles County Department of Parks and Recreation	X	X	X	X	X	X	Yes	N/A	No	2-mile route	Runs in a north-south direction, along red Rowley Mine Road in Acton.	Nearest HSR Improvements/Distance from Centerline: 0 ft.	Permanent Use (4(f) minimum) - All built alternatives	The S144 Alternative 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 trail map.
Pacific Crest Trail (PCT)	Trail	National Trail	Various Public and Private lands	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 (4(f) minimum) - S144 only	The S144 Alternative would be on viaducts where it would intersect a section of the existing PCT. S144 Alternative would require the permanent acquisition of approximately 0.7 mile of the current alignment of the PCT trail. 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 S144 Alternative. If the S144 Alternative is selected, the trail realignment would be operational prior to the commencement of construction. E1 and E2 alignments would tunnel underneath the PCT where the PCT travels through the ANF/SGMNM. No use from E1 or E2 alternatives.
Santa Clara River Trail (Proposed Extension)	Trail	Trail	Various public and private lands including Los Angeles County land	X	X	X	X	X	X	Yes	N/A	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.	Permanent Use (4(f) minimum) - S144 only	The construction of this S144 Alternative's elevated viaduct over the Santa Clara River would require permanent acquisition of an approximately 200-foot segment of the proposed trail, and construction of overhead electrical utility lines would require the permanent acquisition of an approximately 160-foot segment of the proposed trail. Although ownership of this land would change, the trail would remain open and available to the public, and the overall connectivity of the trail both locally and across its entire length would remain as it was before the construction of the S144 Alternative. Source of proposed trail information: LA County Department of Parks and Recreation adopted 2007 trail map.
Angels National Forest/San Gabriel Mountains National	National Forest	Trails, Campgrounds,	United States Department of Agriculture Forest	X	X	X	X	X	X	Yes	N/A	No	70,000 acres	Between Antelope, San Fernando, and San	Nearest HSR Improvements/Distance from Centerline: 0 ft.	No Use. 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 Wilderness. The RSA does not include any land with the	Proposed add 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). Individual recreation areas within ANF/SGMNM: The Wildlife View Station (1483 Little Topanga Canyon Rd) is a 160-acre private animal sanctuary within ANF. As a privately operated sanctuary on private land (including), it is not a Section 4(f) resource. The Magic Mountain Wilderness is a Section 4(f) resource within ANF/SGMNM. The S144 Alternative alignment 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. Jive Oak Campground is a Section 4(f) resource within ANF/SGMNM. The campground is 192 ft. west of the proposed S144 centerline. The S144 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. The North Fork Saddle Picnic Area is a Section 4(f) resource within ANF/SGMNM. The picnic area is approximately 62 ft. from the E2 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.

Resource Name	Resource Type	Description	Owner(s)	Refined SB14	SB14A	E1	E1A	E2	E2A	Potential Eff. Resource?	Reason why recreation area is/ isn't, (check if not a Section 4(f) Resource)	4(f) Resource?	Approximate Size (Acres Or Length / Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prosecutive/Potential Use	Notes
Monument, includes Magic Mountain Wilderness		Other recreational resources	Service (USDA Forest Service)									No		Eastern Valley in Los Angeles County	<p>Alt Option E1-A3 would require a 33-acre temporary construction area at the surface, and alt Option E1-A2 would require a 28-acre temporary construction staging area. However, the alt 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.</p> <p>The E2 Alignment Alternative would include a bored tunnel through an approximately 3.5-mile section of the ANF/SGMNM.</p> <p>The proposed E2 Alignment Alternative includes two alt options within ANF/SGMNM. The proposed E2 Alignment includes two alt options within ANF/SGMNM boundary. Alt Option E2-A1 would require a 36-acre temporary construction area at the surface, and alt Option E2-A2 would require a 23-acre temporary construction staging area. However, the alt 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.</p>	<p>Wilderness land use designation. Therefore, there is no potential for a Section 4(f) use. (PREVIOUS CONCLUSION WITH USFS)</p> <p>Dutch Louie Campgrounds a Section 4(f) resource within ANF/SGMNM. The E1 alignment would pass the campsite in a tunnel approximately 352 ft. to the north. No construction/temporary activities are proposed at or on the trail. Therefore, no use is anticipated.</p> <p>Dak Spring Trail is a Section 4(f) resource within ANF/SGMNM. The E2 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 SB14 and E1 alternatives, a utility easement would be created along the roadway approximately 46 ft. from the picnic site. No use is anticipated from utility easements in existing roadway adjacent to the picnic site.</p> <p>Pacifica 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 Improvement/Distance from Centerline: 0 ft.	Permanent Use (see minimums) - E2 only	<p>SB14 and E1 would pass approximately 3,900 feet to the west in a bored tunnel.</p> <p>The E2 Alternative elevated alignment would pass directly through a 0.5-mile portion of the Hansen Dam Open Space area which extends west from Hansen Dam into Big Tangle Wash. The alt alt 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 trestle 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 1/21/18.</p>
Burbank Subsection																	
No use of 4(f) resources is participated in the Burbank Subsection																	
Maintenance Facility																	
No use of 4(f) resources is participated in the Maintenance Facility area.																	

Working Draft List of potential 4(f) and 6(f) Park, Recreation and Wildlife Resources within the Project RSA

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.

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

Please note that resource uses 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	4(f) Resource?	Approximate Size (Acres Or Length (Miles))	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
Palmdale Subsection																	
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 (900 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.E. 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 (Sandiego 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	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 the Source International Charter School, Antelope Valley High School, and Rex Parris High School, September 13, 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 (at 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 the 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. NOTE: The B-P ED Section reviewed did not include this resource.
Hammark 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 06, 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 Hammark 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 06 East would also occur. The Hammark 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 source of noise and vehicle emissions in the area, and would be located in between the Palmdale Station improvements and the Hammark Activity Center. The proposed Palmdale Station entry plaza would be consistent with the commercial land use 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 Hammark 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. 30303(b). A letter from the Authority to the City of Palmdale is included in Appendix [X] of B-P etc. The B-P ED Section determined that no use would occur at the Hammark 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 publicly accessible recreational facilities or play areas. Personal Communication with Guidance Charter School Administration, 12/27/16.
Ponction 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 north Distance from Centerline: 700 ft.	No use	No part of Ponction 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 Ponction 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 Ponction 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 Ponction 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. 30303(b). A letter from the Authority to the City of Palmdale is included in Appendix [X] of B-P ED. The B-P ED Section determined that there would be no effect/no use at Ponction Square.

Resource Name	Resource Type	Description	Owner(s)	Refined SR14	SR14A	E1	E1A	E2	E2a	Potential d/f/f Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	d/f/f Resource?	Approximate Size (Acres Or Length (Miles))	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
Legacy Commons Recreational Center	Park	Recreational Center (available for year), Outdoor areas/park	City of Palmdale	X	X	X	X	X	X	Yes	N/A	No	3 acres	939 East Avenue 09, 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 Recreational 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 Recreational 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 Recreational 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 Recreational 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 effects of the project in the context of this Section 4(f) evaluation, consistent with 49 U.S.C. 3036(i)(3)(B). A letter from the Authority to the City of Palmdale is included in Appendix (I) of B-P ED.
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 and therefore will be included in the P-B Section 4(f) analysis for consistency.
Central Subsection																	
Tajon Equestrian Park			City of Palmdale	X			X			Yes	N/A	No	19 acres	East of the Sierra Highway and south of Barrel Springs Road	Nearest HSR Improvements: 100 ft. to the west Distance from Centerline: 310 ft.	No use	No part of Tajon 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. Users would be able to see HSR passing and would experience heightened noise levels when a train passes through the area. 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 abuts less than 1,000 feet from the park, creating an existing noise environment. Park users would still have expansive views of 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	Lake Palmdale is owned by the Palmdale Water District. Although the lake is owned by a public agency, its use for recreation is restricted and reserved for members of the Palmdale Fish and Feather Club. This resource is not open to the public or publicly accessible. Therefore it is not subject to Section 4(f) requirements and will not be discussed further in the Section 4(f) ED section.	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	Una Lake is privately owned and enclosed by fencing. Therefore, it is not subject to Section 4(f) requirements and will not be discussed further in the Section 4(f) ED section.	No			Nearest HSR Improvements/Distance from Centerline: 0 ft.	N/A	Not a resource; Una Lake is privately owned and enclosed by fencing.
Darrell Redmond Trail (Proposed Extension)	Trail	Trail	Los Angeles County Department of Parks and Recreation	X	X					Yes		No	22 miles	Runs along Esccondido Canyon Road in the vicinity of the SR14 Alternative Alignment	Nearest HSR Improvements: 0 ft. Distance from Centerline: 350 ft.	No use	No part of the proposed Darrell Redmond 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 Esccondido Canyon Road. No permanent acquisition of property from the proposed Darrell Redmond Trail extension would occur. The subsurface utility easement in Esccondido Canyon Road would not affect the existing character of the area where the proposed Darrell Redmond 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 trail map.
Play grounds at Vasquez High School	School playground	Sport court, field	Action Agua Dulce Unified School District	X	X					Yes	N/A	No	N/A	23630 Red Rover Mine Road, Acton	Nearest HSR Improvements: Road improvements 700 ft. north; utility easement within Esccondido Canyon Road 0 ft. Distance from Centerline: 1,550 ft.	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 Esccondido Canyon Road. No permanent acquisition of property from the high school would occur. The subsurface utility easement in Esccondido 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 Esccondido Canyon Road would alter views from the high school. However, this segment of the proposed trail extension is adjacent to the SR 14 corridor, 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	Action Agua Dulce Unified School District	X	X					Yes	N/A	No	14 acres	3620 Antelope Woods Road, Acton	Nearest HSR Improvements: Road improvements 800 ft. north Distance from Centerline: 1,700 ft.	No use	No part of High Desert Middle School would be included in the temporary impact area for the SR14 Alignment Alternative. No temporary construction easements would be required from this facility. No permanent acquisition of property from High school would occur. Because of the relative from the school, and intervening freeway corridor, the access roadway improvements to Charfield Road would not affect the existing character of the High Desert Middle School outdoor play areas. No changes in permanent access to the high school would occur. The closest HSR railway alignment would be a tunnel (cut and cover and bored) segment approximately 0.5 miles north of the school, which 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.

Resource Name	Resource Type	Description	Owner(s)	Refined SR14	SR14A	E1	E1A	E2	E2A	Potential d/f/r Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	d/f/r Resource?	Approximate Size (Acres) Or Length (Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
Acton Wash Wildlife Sanctuary	Wildlife Refuge	Wildlife Refuge	Los Angeles County Parks and Recreation Department		X	X	X	X	X	Yes	N/A	No	75 acres	Solondad Canyon Road and Gillespie Avenue Acton, CA 93310	Nearest HSR Improvements: +/- 10 ft. Utility easement within Crown Valley Road would border the Sanctuary Distance from Centerline: 3 miles	No use	No part of the Acton Wash Wildlife Sanctuary would be included in the temporary impact area for the HSR Build Alternatives. No temporary construction easements would be required from this facility. No permanent acquisition of property from the wildlife sanctuary would occur. The E2 Alignment Alternative 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 potential operational period impacts that would change the character of the Acton Wash Wildlife Sanctuary. The project would not substantially impair the resource's protected activities, features or attributes.
Vaquez Rocks Natural Area Park	Park	Trails, scenic rock outcroppings	Los Angeles County Department of Parks and Recreation	X	X					Yes	N/A	No	92 acres	10700 West Excondado Canyon Road, Agua Dulce	Nearest HSR Improvements/Distance from Centerline: The SR14 alignment would run parallel to the park, approximately 200 ft. from the park on the opposite (south) side of the SR14 freeway.	No use	No part of Vaquez Rocks Natural Area Park would be included in the temporary impact area for the SR14 Alignment Alternative. No temporary construction easements would be required from this park. No permanent acquisition of property from Vaquez Rocks Natural Area Park would occur. The utility easement along Agua Dulce Canyon Road would have no associated physical improvements, and would not present potential operational period impacts that would change the character of the Vaquez Rocks Natural Area Park. Vehicular and pedestrian access to the park would be maintained from all existing access points. The closest physical HSR improvements to the Vaquez Rocks Natural Area Park would be 1,000 feet south. Because of the relative distance between the park and the HSR improvements, and the intervening SR 14 freeway corridor, the operation of the SR14 Alignment Alternative would not affect the existing character of the park. The project would not substantially impair the resource's protected activities, features or attributes.
Rio Dulce Ranch/Open Space	Open Space	Open Space	Santa Clarita Watershed Recreation and Conservation Authority	X	X					No	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. 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	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.
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. 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.
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. 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.
Rim of the Valley Trail (Proposed Extension)	Trail	Trail	US Department of the Interior National Park Service	X	X	X	X	X	X	Yes	N/A	No	80 miles are existing. The proposed extension would incorporate additional 220 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 ANZ, Sim Valley, and Santa Monica Mountains.	Nearest HSR Improvements/Distance from Centerline: 0 ft.	No use	All three alignments would cross under the proposed trail extension in tunnels, and would not include permanent surface improvements within 1,000 feet of the proposed Rim of the Valley Trail extension. SR14 Alternative includes two add options that would require a temporary construction staging area at the surface that conflict with proposed Rim of the Valley Trail extension. E2 Alignment Alternative would include add Option E2-A2, with a 23-acre temporary construction staging area that would conflict the future trail. Construction associated with the SR14 and E2 alternatives would temporarily result in increased noise and dust at the proposed Rim of the Valley Trail extension that could inhibit the use of the trail. However, construction period (CMR) are included as part of the project to reduce and avoid impacts related to dust and noise. The measures developed as part of the construction plans would ensure that temporary increases in dust, noise, and vibration are reduced to a level that would allow the trail extension to continue to operate. Rim of the Valley Trail users would have unobstructed views of the construction activities. However, these impacts would be temporary and disturbed areas would be rehabilitated after completion of construction. The SR14 and E2 Alignment Alternatives would include bored tunnel railways that cross the proposed Rim of the Valley Trail extension. The tunnels would have a typical depth of approximately 240-200 feet when it crosses the proposed trail. Operation of the SR14 and E2 Alignment Alternative tunnel beneath proposed Rim of the Valley Trail extension would not result in operational impacts such as noise or vibration. No permanent surface improvements would occur in this area. Given the above, the operation of the SR14 and E2 Alignment Alternatives would not result in a change in the character of the proposed Rim of the Valley Trail extension. The project would not substantially impair the resource's protected activities, features or attributes. 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
Veterans Memorial Community Regional Park	Park	Park	Los Angeles County Department of Public Works	X	X	X	X			Yes	N/A	No	97 acres	13000 Sycare Street Sylmar, CA 91342	Nearest HSR Improvements: Utility easement 600 ft. South Distance from Centerline: 3,361 ft.	No use	No part of Veterans Memorial Community Regional Park would be included in the temporary impact area for the SR14 Alignment Alternative. No temporary construction easements would be required from this park. No permanent acquisition of property from Veterans Memorial Community Regional Park would occur. The utility easement along Hubbard Street would have no associated physical improvements, and would not present potential operational period impacts that would change the character of the Veterans Memorial Community Regional Park. Vehicular and pedestrian access to the park would be maintained from all existing access points. The SR14 Alignment Alternative would not include surface improvements within 1,000 feet of the park, and the closest railway alignment would be bored tunnel. The operation of the SR14 Alignment Alternative 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 Golf Course/Regional Park	Park	Golf course	Los Angeles County Department of Parks and Recreation	X	X	X	X			Yes	N/A	No	80 acres	13300 Eldridge Avenue, Sylmar	Nearest HSR Improvements: Utility easement 600 ft. Southeast Distance from Centerline: 1,584 ft.	No use	No part of El Cariso Regional Park and Golf Course would be included in the temporary impact area for the SR14 Alignment Alternative. No temporary construction easements would be required from this park. No permanent acquisition of property from El Cariso Regional Park and Golf Course would occur. The utility easement along Hubbard Street would have no associated physical improvements, and would not present potential operational period impacts that would change the character of the El Cariso Regional Park and Golf Course. Vehicular and pedestrian access to the park would be maintained from all existing access points. The SR14 Alignment Alternative would not include surface improvements within 1,000 feet of the park, and the closest railway alignment would be bored tunnel. The operation of the SR14 Alignment Alternative would not affect the existing character of the El Cariso Regional Park and Golf Course. 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 Off-Road Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	4(f) Resource?	Approximate Size (Acres) Or Length (Miles)	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
Pacoma Wash Proposed Urban Greenway	Park	Wash	Los Angeles County Department of Public Works	X	X	X	X			Yes	N/A	No	18 acres	Approximately 3 miles north of Sylmar, north of the city of San Fernando. The proposed Pacoma Wash Urban Greenway would extend from the Pacoma 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: 0 ft. Distance from Centerline: 930 ft.	No use	No part of proposed Pacoma Wash Proposed Urban Greenway extension 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 the proposed Pacoma Wash Proposed Urban Greenway extension would occur. The bored tunnel alignments closest to the proposed Pacoma Wash Proposed Urban Greenway extension would have no associated physical improvements, and would not present potential operational-period impacts that would change the character of the proposed trail. The project would not substantially impair the resource's protected activities, features or attributes.
Play grounds at Hilary 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 Filmore Street, Pacoma	Nearest HSR Improvements/Distance from Centerline: 0 ft. (tunnel)	No use	No part of Hilary 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 Hilary T. Broadous Elementary School would occur. The bored tunnel alignments that would pass under the Hilary 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	12360 Filmore Street, Pacoma	Nearest HSR Improvements/Distance from Centerline: 0 ft. (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 tunnel 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 Macley Middle School	School playground	Sport court, field	Los Angeles Unified School District	X	X	X	X			Yes	N/A	No	14 acres	12340 Peirce Street Pacoma	Nearest HSR Improvements/Distance from Centerline: 0 ft. (tunnel)	No use	No part of Charles Macley 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 Macley Middle School would occur. The bored tunnel alignments would travel under Charles Macley 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.
Rager 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, Pacoma	Nearest HSR Improvements/Distance from Centerline: 0 ft. (tunnel)	No use	No part of Rager 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 Rager W. Jessup Park would occur. The bored tunnel alignments would travel under Rager 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 Rager 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. (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 Alternative includes a bored tunnel alignment that would pass under Stonehurst Avenue Elementary School approximately 280 feet below ground surface. The tunnel 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.
Tujunga Ponds Wildlife Sanctuary	Park/Wildlife Refuge	Park/Wildlife Refuge	City of Los Angeles Department of Parks and Recreation				X		X	Yes	N/A	No	13 acres	210 Freeway and Westworth Street, Tujunga	Nearest HSR Improvements/Distance from Centerline: 4,200 ft. (outside of HRA, but may be sensitive to noise and vibration, this 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 Alternative. 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.
Stonehurst Park and Recreation Center	Park	Park	City of Los Angeles Department of Parks and Recreation				X		X	Yes	N/A	No	45 acres	9921 Dorrfield Avenue, Sun Valley	Nearest HSR Improvements: 50 ft. Distance from Centerline: 900 ft. (tunnel)	No use	No part of Stonehurst Park would be included in the temporary impact areas for the E2 Alignment Alternative. 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 Calstar 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 Calstar 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 Strathorn Street, Sun Valley	Nearest HSR Improvements: +/- 20 ft. Distance from Centerline: 50 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. 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.
Barbank Subsection																	
Play grounds at Glenwood Elementary School	School playground	Sport court, field	Los Angeles Unified School District	X	X	X	X		X	Yes	N/A	No	7 acres	8001 Ludje 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.

Resource Name	Resource Type	Description	Owner(s)	Refined SRA	SRA	E1	E2	E3	E4	E5	Potential of a Resource?	Reason why recreation area/wildlife refuge is not a Section 4(f) Resource	4(f) Resource?	Approximate Size (Acres or Length (Miles))	Location	Approximate Distance from HSR Improvements and Alignment Centerline/Station	Prospective/Potential Use	Notes
Robert E. Lundigan Park	Park	Park	City of Burbank	X	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	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 library 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 (MTA). 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 FHWV'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	1 mile	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: ~1-20 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.
Maintenance Facility																		
Proposed Avenue L Bike Path	Bike Path	Proposed Class I Bike Path	City of Lancaster	X	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 FHWV'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	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 FHWV'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: ~1-10-20 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	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 FHWV'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 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
Palmdale Subsection																	
44																	
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.
Central Subsection																	
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.
Burbank Subsection																	
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>	Temporary: 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>	Temporary: 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>	Temporary: 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
PFOE: Historic Properties with No Demonstrable Effect from any Alternative															
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; FRA determined ineligible			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; FRA determined ineligible			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; FRA determined ineligible			X	X	X	X	On centerline and inside footprint	<u>Not a 4(f) Resource</u>	Subsurface Easement	PFOE: No Effect
PFOE: 5.1.1 Physical Destruction of or Damage to All or Part of a Property															
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: SR14 would tunnel approximately 700 ft. to the west of this site. E1 and E2 would directly transect this site at-grade.	PFOE: SR14 - No Adverse Effect, E1/E2 - 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

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
19-000591	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
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	<u>Not a 4(f) Resource</u>	Temporary: Water pipe Permanent: 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	<u>Not a 4(f) Resource</u>	Temporary: 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	<u>Not a 4(f) Resource</u>	Temporary: Utility Easement, Staging or Construction Area Permanent: 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	<u>Not a 4(f) Resource</u>	Temporary: 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	<u>Not a 4(f) Resource</u>	Traction Power Facility/Utility Lines, Access Road	PFOE: E1/E2 - 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	<u>Not a 4(f) Resource</u>	Temporary: Utility Easement Permanent: 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	<u>Not a 4(f) Resource</u>	Permanent: 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	<u>Not a 4(f) Resource</u>	Temporary: Staging or Construction Area	PFOE: E1/E2 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	<u>Not a 4(f) Resource</u>	Temporary: Utility Easement, Access Road, Staging or Construction Area Permanent: Track ROW, Traction Power Facility/Utility Lines, Access Road,	PFOE: SR14 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	<u>Not a 4(f) Resource</u>	Permanent: 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	<u>Not a 4(f) Resource</u>	Temporary: Utility Easement Permanent: Access Road	PFOE: SR14 Adverse Effect

Resource Name	APE Map Page	Description	NRHP Criterion D	4(f) Resource (Criterion C)	Eligibility	Refined SR14	SR14A	E1	E1A	E2	E2A	Approximate Distance from Alignment Centerline/Station (ft.)*	Type of 4(f) Use**	HSR Features	Notes
19-001860	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	<u>Not a 4(f) Resource</u>	Permanent: 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	<u>Not a 4(f) Resource</u>	Permanent: Traction Power Facility/Utility Lines, Track ROW	PFOE: SR14 - No Adverse Effect, E1/E2 - Adverse Effect
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/E2 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/E2 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: SR14 - No Adverse Effect, E1/E2 - 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

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
19-004778/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	Notes
Palmdale Subsection															
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	
Central Subsection															
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	
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	

Resource Name	AFE 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
19-100858	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	
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	

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
19-101224	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. 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 7 of 8: Historic Properties within the APE to be analyzed in Section 4(f)(6)(f) EIS/ER

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

Resource Name	Map ID	APR Map Page	City/Community	Year Built	Eligibility (Listed or Eligible for NR, or National Landmark)	NBHD/Census 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
Palmdale Subsection																		
There are no 4(f) built historic resources within the RSA of the Palmdale Subsection. References: P-B HASR, B-P HASR																		
Central Subsection																		
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 Littlerock Creek Reservoir to Lake Palmdale (10 miles). Some areas have been altered and put into underground pipes.	Nearest HSR Improvement/Distance from Centerline: 0 ft. (All Built Alternatives)	<p>Permanent use - De Minimis/No Adverse Effect (E1 and E2) E1 and E2: 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 affect this resource. [PFCE needs to be updated]</p> <p>SR14 - No use/No Effect: No action would be taken during construction or operation that would cause damage or destruction to this historic property. The proposed SR14 alignment is to the west of the ditch. The SR14 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 Littlerock Irrigation Districts.
East Branch of the California Aqueduct	3421	37, 39, 40, 41	City of Palmdale	1866-1973	Eligible	A/1 and C/3	X	X	X	X	X	X	Yes	Segment within APR measures 2.55 miles	Channel	Nearest HSR Improvement/Distance from Centerline: 0 ft. (SR14 - tunnel, E1/E2 - at grade)	<p>Permanent use - De Minimis/No Adverse Effect (All Alternatives) The E1 and E2 alignments would cross this resource on an at grade alignment, requiring an approximately 1,800-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. [PFCE needs to be updated - Placeholder for conditional no adverse effect language]</p> <p>The SR14 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. [PFCE needs to be updated - Placeholder for no adverse effect language]</p>	Eligible for its association with a comprehensively planned and publicly sanctioned water conveyance project and for its complex design necessary to redistribute water throughout the state.
Bum Ranch	2947	123, 132	Acton	1891-1933	Appears Eligible	A/1 and C/3			X	X	X	X	Yes	160 acres	11890 Alton Canyon Road	Nearest HSR Improvement/Distance from Centerline: 0 ft. (E1 and E2 alignment would cross the resource on a viaduct)	<p>No Use/Indirect Adverse Effect (E1 and E2) With implementation of the E1 and E2 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 and E2 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 and E2 Alternatives would not permanently acquire land from the Bum Ranch; therefore, neither alternative would result in a permanent use of this historical property. Similarly, neither alternative would require temporary physical occupation of the Bum Ranch, so there would be no temporary occupancy.</p> <p>SR14 - No use/No Effect: There would be no use of the resource by the SR14 Alternative.</p>	Preliminary determination of a use/indirect adverse effect has been reached based on detailed discussions with HSR and ICF. See FHWA Policy Paper question 76. Eligible for listing in the NHP and the CRHR at the local level of significance as a California 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 1934.
LADWP Valley Generating Station	1113	262, 263, 265, 266	Los Angeles	1953-1957	Appears Eligible	A/1	X	X	X	X			Yes	149 acres	11801 Sheldon Street	Nearest HSR Improvement: 0 ft. (SR14 - viaduct, track right of way, utility, E1 - viaduct, traction power, track right of way, utility) Distance from Centerline: 0 ft. (SR14 and E1)	<p>Permanent use - De Minimis/No Adverse Effect (SR14 and E1) With implementation of the SR14 and E1 Alternatives, a portion of the existing parking lot and a small portion of the gravel pit would be used for a traction power substation or supply station and associated communication tower. Additionally, creation of a new access road on the eastern side of the site would require removal of the entrance sign and gatehouse. Of these components that would be removed, two are contributing features to the resource: NHP eligibility: the entrance sign and gatehouse. The parking lot and gravel pit are non-contributing features. The SR14 and E1 Alternatives would require permanent conversion of part of this resource to a transportation-related facility. Aerial and historic photos show that the gravel pit had an amorphous shape since it was originally created, and that it is much larger than it was during the period of significance. The removal of a small percentage of this non-contributing feature would not diminish the historic property in a manner that would affect the integrity of the overall property. [PFCE needs to be updated - Placeholder for analysis on entrance sign and gatehouse].</p> <p>Based on the finding that while a permanent acquisition of part of the resource would occur, there would be no adverse effect with implementation of the SR14 and E1 Alternatives, the Section 4(f) use of the LADWP Valley Generating Station would be de minimis.</p> <p>E2 - No use/No Effect</p>	The LADWP Valley Generating Station, located along Sheldon Street, was one of the largest steam plants in the nation and represented a shift away from hydro-generated electricity. Eligible for its association with program of energy production by the LADWP.

Resource Name	Map ID	APE Map Page	City/Community	Year Built	Eligibility (Listed or Eligible for NR, or National Landmark)	NBCH/CRS Criteria	Refined SHAK	SHAA	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
Burbank Subsection																		
There are no 4(f) built historic resources within the Burbank Subsection. References: P & HSR, B-LA HASR																		
Maintenance Facility																		
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	All Historic Resource	Approximate Size (Acres)	Location	Approximate Distance from HSR Improvements and Alignment, Centerline/Station ¹	Potential Section 4(f) Use?	Notes
Central Subsection																		
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	SR 14: 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	SR 14: 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.
Acton Community Presbyterian Church	2563	110	Acton	1924	7	7			X	X			7	15 acres	12142 Crown Valley Road	Nearest HSR Improvements: +/- 10 ft. - Utility easement adjacent to the property along Crown Valley Road Distance from Centerline: 500 ft.	No effect/no use	Utility easement within the existing roadway not likely to affect the church. Temporary construction expected to be minimal. No constructive use.
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. (SR14 - tunnel, E1/E2 - 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	11823 Crown Valley Road	Nearest HSR Improvements: 100 ft. from E2 utility easement	No effect/no use	E1 and E2: 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.
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.	No effect/no use	E1 and E2: There will be no direct effects to the Blum Ranch Farmhouse. Unlike the Blum Ranch, the farmhouse will not be physically destroyed, damaged, altered or removed as the result of the E1 or E2 alternatives. The Palmdale to Burbank Project Section Aesthetics and Visual Quality Technical Report (2017) noted that despite the large scale of the project components, the overall change to visual quality along Aliso Canyon Road would be neutral. The house itself is surrounded by tall, mature trees, which block views from and towards the proposed tunnel location.
Angeles National Forest and San Gabriel Mountains National Monument	1077	[Multiple]	N/A	1892	Not Eligible per draft HASR - Found ineligible for the National Register of Historic Places, California Register of Historical Resources, or local designation through survey evaluation	N/A	X	X	X	X	X	X	No	700,000 acres	Between Antelope, San Fernando, and San Gabriel Valleys in Los Angeles County	Distance from Centerline: 0 ft. - The SR14 alignment would tunnel through an approximately 12-mile section of the monument and would include permanent right-of-way and land acquisitions, while the E1 and E2 alignments would tunnel through 21.7-mile and 16.6-mile sections of the monument, respectively, and would require smaller right-of-way acquisitions.	N/A - Not a historic 4(f) resource. See Parks and Recreation sheet for details of potential use of this resource under Section 4(f)	The ANF is registered as California Historical Landmark #717. For purposes of Section 4(f), historic resources are defined as historic resources that are either listed on the NR or eligible for listing. Or, in the case of National Landmarks, historic resources should be evaluated under Section 4(f) in essentially the same manner as NR listed or eligible resources (FHWA Section 4(f) policy paper). The ANF is not listed or eligible for the NR, and is not a National Landmark, per the HSR Palmdale to Burbank Project Section draft HASR.
Long Nike Missile Site	Pending Revised APE Maps	3-15	N/A	Cold War era - approx. 1955	Determined not eligible as part of USACE consultation with SHPO prior to turning over the sites to the ANF for Forest Service management in 1987	N/A	X	X					No		Within the ANF, along the northwest border of the Forest where the SR14 Alternative alignment would tunnel through the ANF.	Distance from Centerline: 0 ft. - The SR14 alignment would tunnel through the site and would include permanent right-of-way and land acquisitions	N/A - Not a historic 4(f) resource.	The Long Nike Missile site was determined not eligible for the NRHP with SHPO concurrence on 6/22/1987. Remnant buildings were present as of 1987 but have since been demolished.

Resource Name	Map ID	APE Map Page	City/Community	Year Built	Eligibility Listed or Eligible for NR, or National Landmark	NHP/CHR Criteria	Refined SR14	SR14A	E1	E1A	E2	E2A	(H) Historic Resource	Approximate Size (Acres)	Location	Approximate Distance from HSR Improvements and Alignment, Centerline/Station*	Potential Section 4(f) Use?	Notes
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 and E2 Alternatives	No effect/no use	E1 and E2: Generally, the construction and operation activities for the E1 and E2 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	SR14: 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.
San Fernando Rd	1846	282, 285, 288, 291, 292, 294, 296, 297, 298, 300, 301, 302, 304, 306, 307, 309, 311, 312, 313	Los Angeles	1924	?	?	X	X	X	X	X	X	No		San Fernando Road from Trumail to Lincoln	Distance from Centerline: 0 ft. (SR14 and E1 - at grade along roadway, E2 tunnel)	No effect/no use	The study area includes four segments of San Fernando Road, from Sierra Highway to the road's terminus at North Main Street. There were several evaluations of San Fernando Road in 2006, 2011, and 2013, and DPR forms were prepared which presumed eligibility. However, San Fernando Road is not considered a potential 4(f) resource in this analysis because: • The DPR form does not show any federal agency or SHPO concurrence that it was previously determined eligible • Much of the surrounding development occurred after the period of significance
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 and SR 14: 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 and SR 14: The proposed tunnel would pass more than 200 feet below this historic property. Therefore, there is no potential for visual, atmospheric, or audible effects.
Key Burger	154	279	Los Angeles	1961	?	?	X	X	X	X			?		10971 Glenoaks Boulevard	Nearest HSR Improvements/Distance from Centerline: 0 ft. (tunnel)	No effect/no use	1960s drive-in/walk-up food stand. Boundary includes the building, the sign and the parking lot immediately surrounding the stand. Tunneled alignment is not likely to affect the property.
Residence	1504	287	Los Angeles	Circa 1922	Appears Eligible	C/3				X	X		Yes		10004 Chybour Avenue	Nearest HSR Improvements/Distance from Centerline: 0 ft. (tunnel)	No effect/no use	E2: 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 SR14 and E1 Alternatives	No effect/no use	E1 and SR 14: 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.
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 and E2: 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 and E2: 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.

Resource Name	Map ID	APE Map Page	City/Community	Year Built	Eligibility Listed or Eligible for NR or National Landmark	NRHP/CHNR Criteria	Defined, SB14	SB14A	E1	E1A	E2	E2A	SHR Historic Resource	Approximate Size (Acres)	Location	Approximate Distance from HSR Improvements and Alignment, Centerline/Station*	Potential Section 4(f) Use?	Notes
Monte Cristo Wagon Road System (including Monte Cristo Mining District Road, Aliso Creek Wagon Road, Forest Road 4132 – Aliso Acrazte 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 and E2: 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 and E2 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.

KEY:
 Removed from PFOE
 Added to PFOE

* 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.

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