

California High-Speed Rail Authority

Bakersfield to Palmdale

Project Section

Final Environmental Impact Report/Environmental Impact Statement

Appendix 3.19-A: Cumulative Project List

May 2021



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.

APPENDIX 3.19-A: CUMULATIVE PROJECT LIST

This appendix provides lists and maps of planned and approved projects and plans in each of the jurisdictions in the study area, including Kern and Los Angeles counties and the cities of Bakersfield, Tehachapi, Lancaster, and Palmdale. Information for each of the jurisdictions can be found in the following tables and maps:

- Kern County: Table 3.19-A-1 and Figure 3.19-A.1 (Sheets 1 through 5)
- City of Bakersfield: Table 3.19-A-2 and Figure 3.19-A.1 (Sheet 1)
- City of Tehachapi: Table 3.19-A-3 and Figure 3.19-A.1 (Sheet 3)
- Los Angeles County: Table 3.19-A-4 and Figure 3.19-A.1 (Sheets 6 and 7)
- City of Lancaster: Table 3.19-A-5 and Figure 3.19-A.1 (Sheet 6)
- City of Palmdale: Table 3.19-A-6 and Figure 3.19-A.1 (Sheet 7)

These lists and maps contain both development and transportation projects. Each project listed below includes a map identification (ID) number, which corresponds to the location of the project as depicted in the corresponding figure.

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Table 3.19-A-1 Planned and Potential Projects and Plans - Kern County

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
Plans					
--	Kern County General Plan ¹	The General Plan is a policy document with planned land use maps and related information that are designed to give long-range guidance to those County officials making decisions affecting the growth and resources of the unincorporated Kern County jurisdiction, excluding the metropolitan Bakersfield planning area.	Adopted 2004 Amended 2009 Planning Horizon 2025	Air Quality, Biological Resources, Noise, Agriculture, Transportation and Traffic ²	Unincorporated areas of Kern County
--	Keene Ranch Specific Plan ³	This specific plan identifies issues that pertain to physical constraints, the provision of public services, and the various land uses such as residential, commercial and resources in the planning area. Specific emphasis is placed on maintaining the rural character of the area and ensuring the safety of residents.	Adopted 1991 Amended 1997 Planning Horizon 2020	Water Resources, Geology and Seismicity, Natural Resources, Noise and Vibration, Aesthetics, Social Development, Service Systems, Energy, Archeology/History, Wildfire Potential, Air Quality, Transportation/Circulation, Vegetation and Wildlife, Human Health	West side of SR 58 , Northwest of Tehachapi
--	Greater Tehachapi Area Specific and Community Plan ⁴	This specific plan designates the proposed distribution, pattern, character, and extent of land uses, including anticipated population density and building intensity, in the Greater Tehachapi Area, a 275 square mile planning area that consists of unincorporated areas surrounding the City of Tehachapi. The Element also identifies goals and policies, along with implementation measures, to achieve these objectives. The emphasis is on preventing sprawl, ensuring the most efficient utilization and provision of public services, and fostering a variety of housing types and densities while preserving the character of individual communities within the Greater Tehachapi Area.	Adopted 2010 Planning Horizon 2030	Aesthetics, Agriculture and Forest Resources, Air Quality, Biological Resources, Greenhouse Gas Emissions, Noise, Wildland Fire Hazards, Noise, Population and Housing, Transportation and Traffic, Utilities and Service Systems	Unincorporated area surround the City of Tehachapi on either side of SR 58

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
--	Cameron Canyon 1986 Specific Plan ⁵	The specific plan designates the general location and distribution of housing, open space, resource land and other private and public land uses, and acts as a guide for future development. No commercial or industrial development is planned for this planning area. However, limited development of commercial and light industrial activities may be allowed in the future.	Adopted 1986 Planning Horizon 2000	NA	Northwest of Mojave, South SR 58
--	Rosamond Specific Plan ⁶	The specific plan provides general goals for the area promoting a balanced, efficient, and functional mix of land uses to protect the economic base of the community. Specific goals, policies, and implementation measures for different types of land uses, such as residential, commercial, industrial, resource, and public facilities, are also provided.	Adopted 1989 Amended 2008 & 2010 Planning Horizon 2010	Water Resources, Natural Resources, Air Quality, Noise and Vibration, Transportation/Circulation, Economic Development, Social Development, Service Systems, Human Health/Risk of Upset	North of Lancaster and South of Mojave, located on either side of SR 14 with a Western border with Willow Springs

Planned and Potential Projects⁷

K-1	The Canyons	Revised Draft EIR. Mixed use development including approximately 1,400 residential units and 65,000 SF of general commercial space.	Environmental Review Pending	Land Use, Transportation ⁸	North side of SR 178, west of Alfred Harrel Highway (4.2 mi.)
K-2	GPA 5, CUP 5, Map 158; GPA 1, CUP 7, Map 159	Maricopa Sun Solar Project	Approved EIR 8/31/11	Aesthetics, Agricultural and Forest Resources, Air Quality, Biological Resources ⁹	West of I-5, East of Taft (18.5 mi.)
K-3	CUP 15, Map 125	Solar facility on eight acres	Approved	NA	Southeast corner of Tejon Highway and Hermosa Road (1.1 mi.)
K-4	GPA 5, CUP 15 (FRV solar)	743 acre solar site	Approved	NA	Panama Lane/Malaga Road (16.7 mi.)
K-5	GPA 5, CUP 15 (FRV Adobe)	160 acre solar site	Approved	NA	David Road/Adobe Road (1.8 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
K-6	CUP 63, Map 142	188-acre solar farm	Approved	NA	Shafter Road between Gosford Road and Ashe Road (12.0 mi.)
K-6	CUP 63, 64; Map 142	234 acre, 25 MW solar system	In progress	NA	South side of Shafter Road, east of Gosford Road (12.0 mi.)
K-6	CUP 63, Map 142	20 MW solar facility on 190 acres	In progress	NA	Shafter Road north of Bear Mountain Road (12.0 mi.)
K-7	GPA 2, Map 162, CUP 6, Map 21 PP12232	FRV Orion Solar Project, 20 MW on 165 acres	EIR Response to Comments 3/14/13	Aesthetics, Agriculture and Forest Resources, Air Quality, Biological Resources ¹⁰	Intersection of Herring Road and S. Edison Road (12.1 mi.)
K-8	BNSF/UPRR Mojave Subdivision Tehachapi Rail Improvement Project	Construct additional railroad track along two of nine single-track segments located on Tehachapi Pass	Notice of Determination 6/17/14	None found ¹¹	UPRR Mile Post 343.27 to 343.64 and 352.07 to 353.08 (0.24 mi.)
K-9	The Grapevine Project	10,748,400 SF mixed commercial, 12,000 residential units	In progress	NA	Tejon Ranch on both sides of I-5 at Grapevine (24.8 mi.)
K-10	Redwood Cluster Solar Project	Draft EIR for 6 Solar Facilities producing 135 MW on 633 combined acres	Approved	NA	West/South & East/South Tower Line Road, just south of SR 58 (0.24 mi.)
K-11	PD 13, Map 124-02	41,000 SF of retail and a drive through pharmacy	In progress	NA	South of Brundage, east of Oswell Ave. (0.86 mi.)
K-12	Predevelopment Review	Car Wash and 19,800 SF of general retail	In progress	NA	Northeast corner of SR 58 and Fairfax Rd (0.57 mi.)
Planned and Potential Transportation Projects					
K-13	SR 58 ¹²	Widen four lanes to six lanes	Planned	NA	SR-99 to Cottonwood Road (2.2 mi.)
K-14	SR 184 ¹³	Widen to four lanes	Planned	NA	SR-58 to SR-178 (0.0 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
K-15	California High-Speed Rail, Fresno to Bakersfield Project Section ¹⁴	High-speed train from Fresno to Bakersfield, including train stations in each of these cities and other necessary supporting facilities and infrastructure.	In Progress	Noise and Vibration; Socioeconomics, Communities, and Environmental Justice; Station Planning, Land Use, and Development; Agricultural Lands; Aesthetics and Visual Resources; Cultural and Paleontological Resources; Cumulative Impacts	Meets with northern terminus of the Bakersfield to Palmdale Project Section (0.0 mi.)

Sources: ¹ County of Kern 2009

² County of Kern 2004

³ County of Kern 1997

⁴ County of Kern 2010a

⁵ County of Kern 1986

⁶ County of Kern 2010b

⁷ Murphy 2016

⁹ County of Kern 2010c

¹⁰ County of Kern 2012a

¹¹ County of Kern 2012b

¹² Caltrans 2014

¹³ Caltrans 2013

¹⁴ Authority and FRA 2014

NA = not applicable or not available

EIR = Environmental Impact Report

mi = mile(s)

MW = megawatt

SF = square foot

SR = State Route

Table 3.19-A-2 Planned and Potential Projects and Plans – City of Bakersfield

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
Plans					
--	Metropolitan Bakersfield General Plan ¹	The general plan provides long range guidance to those making decisions affecting the future character of the Metropolitan Bakersfield planning area, including “urban” Bakersfield, it’s designated sphere of influence, contiguous properties located in unincorporated Kern County. It represents the official statement of the community’s physical development as well as its economic, social and environmental goals.	Adopted 2002 Amended 2016 Planning Horizon 2020	Transportation, Noise, Air Quality, Land Use ²	City of Bakersfield
Planned Tract and Parcel Maps³					
B-1	T6459	11.18 acre and 57 lot standard tract map.	Active	NA	North of Niles Street between Park Drive and Valencia Drive (1.1 mi.)
B-2	T6510	4.89 acre and 16 lot standard tract map	Active	NA	North of Niles Street between Park Drive and Valencia Drive (1.0 mi.)
B-3	T6591	9.59 acre and 3 lot standard tract map	Active	NA	South side of Bernard St. (1.6 mi.)
B-4	T6657	2.52 acre and 10 lot standard tract map	Active	NA	Northeast corner of 3 rd St. and V St. (3.1 mi.)
B-5	T6872	51.9 acres and 152 lot standard tract map	Active	NA	South side of College Ave. between Valencia Dr. and Park Dr. (1.0 mi.)
B-6	T7135	6.61 acres and 4 unit condominium tract map	Active	NA	North Side of Kentucky Street between Baker St. and King St.(2.4 mi.)
B-7	T6297	Phased standard tract map with 47.17 acres and 172 lots remaining of a total of 81.1 acres and 316 lots	Active	NA	North of Redbank Rd. between S. Oswell St. and S. Sterling St. (0.74 mi.)
B-8	P11246	18.58 acre and 14 parcel standard parcel map	Active	NA	Southeast corner of S. Oswell Street and CA-58 (0.16 mi.)
B-9	P11613	16.16 acre and 2 parcel standard parcel map	Active	NA	Northeast corner of Union Ave. and California Ave. (2.7 mi.)
B-10	P11548	10.04 acre and 9 parcel standard parcel map	Active	NA	South side of Texas St. between Mt. Vernon Ave. and Quantico Ave. (0.74 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
B-11	PP11334R	610 acre and 4 parcel standard parcel map	Active	NA	Between Vineland Rd. and Edison Rd. and Jaunt Ave and Pioneer Dr. (0.95 mi.)
Planned and Potential Projects³					
B-12	12-0058	20,707 SF retail building	Approved	NA	401 Union Ave. (3.0 mi.)
B-13	12-0199	9,600 SF Office and Warehouse building	Approved	NA	4041 E Brundage Ln. (0.51 mi.)
B-14	12-0241	4,532 SF Nursery Building	Approved	NA	4317 E. Brundage Ln. (0.31 mi.)
B-15	12-0186	6,288 SF warehouse addition	Approved	NA	501 E 21 St. (2.7 mi.)
B-16	12-0386	3,600 SF Warehouse and 400 SF office	Approved	NA	340 Inyo St. (2.8 mi.)
B-17	13-0066	50 unit apartment complex with clubhouse and 10,000 SF storage	Approved	NA	1006 Baker St. (2.5 mi.)
B-18	13-0071	10,080 SF office building	Approved	NA	1100 Sumner St. (2.1 mi.)
B-19	13-0178	3,200 SF of warehouse and office space	Approved	NA	4201 E. Brundage Ln. (0.40 mi.)
B-20	13-0309	2,400 SF warehouse addition	Approved	NA	222 Kentucky St. (2.9 mi.)
B-21	13-0194	9,640 SF industrial building	Approved	NA	907 E. 21 st St. (2.3 mi.)
B-22	13-0404	805 SF addition to an existing 875 SF building	Approved	NA	329 E. California Ave.(2.8 mi.)
B-23	14-0042	102 foot tall stealth wireless communications facility	Approved	NA	1022 Wallace St. (2.9 mi.)
B-24	14-0065	296 seat banquet hall	Approved	NA	603 Brown St. (1.7 mi.)
B-25	14-0321	1,818 SF Duplex	Approved	NA	1500 Pacific St. (1.8 mi.)
B-26	14-0430	1,920 SF duplex unit	Approved	NA	318 South Owens St. (2.3 mi.)
B-27	14-0426	1,920 SF duplex unit	Approved	NA	1415 E. 9 th St. (2.0 mi.)
B-28	14-0431	1,920 SF duplex unit	Approved	NA	1422 E. 9 th St. (2.0 mi.)
B-29	14-0474	5,000 SF grocery store	Approved	NA	900 Dr. Martin Luther King Blvd. (2.0 mi.)
B-30	15-0343	1,222 SF duplex unit	Approved	NA	408 S. Brown St. (1.9 mi.)
B-31	15-0495	1,920 SF duplex unit	Approved	NA	1505 Ralston St. (2.0 mi.)
B-32	15-0496	1,920 SF duplex unit	Approved	NA	1517 Ralston St. (2.0 mi.)
B-33	15-0497	1,920 SF duplex unit	Approved	NA	1504 Murdock St. (2.0 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
Planned and Potential Transportation Projects					
B-34	24th Street Improvements ⁴	Realign and widen 24th Street by adding two lanes in each direction. Widen the interchange of 24th Street with SR 99 and widen Oak Street/24th Street intersection	Approved June 2016	Relocations, Visual/Aesthetics, Cultural Resources, Paleontological Resources, Noise, Biological Resources, Cumulative Impacts (Relocations, Visual/Aesthetic, Historical, noise and wildlife) ⁵	24th Street from west of C Street to east of M Street (3.6 mi.)
B-35	Hageman Flyover ⁴	Extend and expand Hageman Road to four lanes and build a bridge over both the San Joaquin Valley Railroad and State Route 99, widen bridge over Airport Drive and modify ramps, add bike path crossing SR 99	Design Phase	NA	Hageman Road from Knudsen Drive to Golden State Avenue (2.3 mi.)
B-36	State Route 99 Auxiliary Lane/Rosedale Highway Off-ramp Improvements ⁴	Construction of auxiliary lane on southbound SR 99 and off ramp widening from one to two lanes and from two to four lanes at the Rosedale Highway.	Construction Underway	NA	SR99 from Gilmore Avenue to Rosedale Highway (2.6 mi.)
B-37	Truxton Avenue/Oak Street Intersection Operational Improvements Project ⁴	Project will widen Truxton Avenue to three lanes in each direction and improve the Oak Street intersection and the modify the curve at Westwind Drive intersection	Design Phase	NA	Truxton Avenue from just west of SR 99 overcrossing to east of Elm Street (2.1 mi.)
B-38	Street Improvements at Oak Street and California Avenue, Right Turn Lane ⁶	This project will construct a right turn lane from northbound Oak Street to eastbound California Ave.	2019-2020	NA	California Avenue and Oak Street (2.3 mi.)
B-39	Street Improvements at Truxtun and H Street, Right Turn Lane ⁶	The installation of a new right turn lane for northbound traffic at the intersection of Truxtun Ave and H Street will alleviate traffic congestion and provide a safe and practical method of turning while thru traffic is stopped.	2018-2019	NA	Truxtun Ave and H Street (1.3 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
B-40	Street Improvements at California Ave and H Street, Right Turn Lane ⁶	Addition of right turn lane will provide safer and more reliable travel conditions for through traffic and traffic turning right. This project will increase connectivity and help alleviate traffic congestion by increasing the capacity at the intersection.	2018-2019	NA	California Avenue and H Street (1.4 mi.)
B-41	Street Improvement at Fairfax Road/College Avenue ⁶	Widening of College Ave and construction of street improvements to alleviate flooding and erosion of soil occurring on the north side of College Ave.	2016-2017	NA	College Avenue and Fairfax Road (1.4 mi.)
B-42	Street Improvements at Calloway Drive from Lake Superior Drive to Norris Road ⁶	This project will widen Calloway Drive from Lake Superior Drive to Norris Road to full width with curb and gutter, also widen Norris Road to full width with curb and gutter to 282' east of Calloway.	Carryover	NA	Norris and Calloway Drive (4.4 mi.)

Sources: ¹ City of Bakersfield and County of Kern 2016

² Authority and FRA 2016b

³ Ortiz 2016

⁴ City of Bakersfield 2016b

⁵ City of Bakersfield 2016c

⁶ Siguenza 2016

NA = not applicable or not available

mi. = mile(s)

SF = square feet

SR = State Route

Table 3.19-A-3 Planned and Potential Projects and Plans – City of Tehachapi

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
Plans					
--	City of Tehachapi General Plan ¹	The Tehachapi General Plan sets forth goals, strategies, policies, objectives, and actions to achieve the community's vision. The General Plan defines strategies for economic development, sustainability, transportation, land use, housing, and community design.	Adopted 2013 Planning Horizon 2035	Agricultural Resources, Air Quality and Climate Change, Biological Resources ²	City of Tehachapi
Planned and Potential Projects					
T-1	Tract No. 6554 ³	95 dwelling unit subdivision on 17.6 acres	Approved; map extended	NA	North and adjacent to Valley Blvd, west and adjacent to Dennison Rd, and north of Tehachapi High School (0.65 mi.)
T-2	Tehachapi Hospital ³	65,000 SF hospital campus	Completion expected Jan. 2017	NA	North of and contiguous to existing City limits line at the terminus of Voyager Dr, north of Parcel Map 9423 H (0.00 mi.)
T-3	Mill St. Retail Center ³	3,000 SF fast food restaurant	Entitled	NA	Northeast corner of Mill St and Industrial Pkwy (0.65 mi.)
T-4	Aspen Street Architects ³	66,000 SF medical office	Conceptualized and not submitted	NA	Located in Capital Hills, north and adjacent to Athens St, east of Voyager, west of Challenger (0.09 mi.)
T-5	Pilot Flying J ³	14,788 SF truck stop and restaurant	In process	NA	Southwest corner of the intersection of Tehachapi Blvd. and Steuber Rd. (0.03 mi.)
T-6	Hampton Inn ³	51,232 SF hotel with three stories and 85 guest rooms	In permitting	NA	North and adjacent to Capital Hills Parkway, east of Challenger Drive (0.25 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
T-7	Oak Tree Village ³	210 acre senior housing development. Includes skilled nursing facility, active adult housing, and small scale commercial/retail	Specific plan with EIR underway	NA	North of Hwy 58 and east of Capital Hills area (0.23 mi.)
T-8	Motel 6 ³	60,000 SF hotel with three stories and 60+ guest rooms	Conceptualized , not submitted	NA	North and adjacent to Capital Hills Parkway, east of Challenger Drive (0.24 mi.)
T-9	Tract Map No. 6497 ⁴	60 dwelling unit subdivision on 60 acres	Approved; map extended	NA	North of Highland Road, south of Tehachapi High School, and west of Dennison Road (1.0 mi.)
T-10	Tract Map No. 6714 ⁴	75 dwelling unit subdivision on 24.24 acres	Approved; map extended	NA	North and adjacent to Pinon Street, south of Cherry Lane, east of Tucker Road (2.4 mi.)
T-11	Walmart ⁴	165,000 SF retail development	In permitting	Transportation and Traffic ⁵	South of Tehachapi Boulevard/ Red Apple Avenue, east and adjacent to Tucker Road (2.0 mi.)
T-12	Red Apple Pavilion ⁴	120,456 SF commercial development with a convenience store and a restaurant	Performing environmental review	NA	Located at the southwest corner of Tehachapi Boulevard/ Red Apple Avenue and Tucker Road (2.0 mi.)
Planned and Potential Transportation Projects					
T-13	Transit Center ⁴	69,947 SF transit center with 120 parking spaces	Performing NEPA review	NA	Tehachapi Boulevard between Mill Street and Pauley Street (1.2 mi.)

Sources: ¹ City of Tehachapi 2012b

² City of Tehachapi 2012a

³ Schlosser 2016

⁴ Hawkes 2016

NA = not applicable or not available

EIR = Environmental Impact Report

mi. = mile(s)

SF = square foot

SR = State Route

Table 3.19-A-4 Planned and Potential Projects and Plans – County of Los Angeles

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
Plans					
--	Los Angeles County General Plan ¹	The Los Angeles County General Plan provides the policy framework and establishes the long range vision for how and where the unincorporated areas will grow, and establishes goals, policies, and programs to foster healthy, livable, and sustainable communities.	Adopted 2015 Planning Horizon 2035	Agriculture and Forestry Resources, Air Quality, Biological Resources, Cultural Resources, Greenhouse Gas Emissions, Mineral Resources, Transportation and Traffic, Utilities and Service Systems ²	Los Angeles County
Planned and Potential Projects³					
LA-1	Antelope Valley Solar Ranch	242 MW solar photovoltaic generation facility	Approved	NA	SR 138 and 170 th Street West (11.2 mi.)
LA-2	TR 50736	154 acre Tentative Tract Map	Inactive	NA	Northeast corner of 35 th Street West and West Avenue B (0.20 mi.)
Planned and Potential Transportation Projects					
LA-3	Metro Links ⁴	Expansion and improvement to existing transit center in the City of Palmdale	Planned	Undetermined at this time	Clock Tower Plaza Drive East and Transportation Center Drive
LA-4	High Desert Corridor ⁴	Construct new 4-6 lane facility with bike lane	Approved 2015, waiting funding	NA	Link from Palmdale to Apple Valley, from SR-14 in Los Angeles County to SR-18 in San Bernardino County (0.79 mi.)
LA-5	Northwest 138 Corridor Improvement Plan ⁵	Alt 1: modify into 4 lane expressway and 6 lane freeway limit access to intersections Alt 2: modify into 4 lane expressway and 6 lane freeway limited access restrictions Alt 3: Transportation Systems Management with no additional capacity.	Planned	Farmlands	SR 138 from I-5 to SR 14 (0.0 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
LA-6	California High-Speed Rail, Palmdale to Burbank Project Section ¹⁴	High-speed train from Palmdale to Burbank, including train stations in each of these cities and other necessary supporting facilities and infrastructure.	Planned	Undetermined at this time	Meets with southern terminus of the Bakersfield to Palmdale Project Section (0.0 mi.)

Sources: ¹ Los Angeles County 2015a

² Los Angeles County 2015b

³ Los Angeles County 2016 and Fung 2016

⁴ Caltrans 2016b

⁵ Caltrans 2015 and 2016a

NA = not applicable or not available

mi. = mile(s)

SF = square foot

Table 3.19-A-5 Planned and Potential Projects and Plans – City of Lancaster

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
Plans					
--	General Plan 2030 – City of Lancaster ¹	General Plan identifies the types of development that will be allowed, and the general pattern of future development. The Plan contains goals, objectives, policies and specific actions that provide the framework for achieving the community's long-term vision.	Adopted 2009	NA ²	City of Lancaster
--	Downtown Lancaster Specific Plan ³	The Downtown Lancaster Specific Plan (DLSP) provides area-specific land use regulations and development guidelines for seven districts within the 140 acre Downtown. Development of the DLSP would allow for a mix of land uses including retail, office, residential and civic uses within the seven districts. The DLSP would allow a maximum of 924,848 SF of retail service uses, 973,956 SF of office/civic/public spaces and 3,526 dwelling units (single- and multiple-family) in the Downtown.	Adopted 2008	Air Quality ⁴	City of Lancaster

Map	Project	Description	Status/Timing	Potential significant unavoidable	Location (Distance)
--	Fox Field Industrial Corridor Specific Plan ⁵	The specific plan provides planning and development regulations as well as goals and objectives that guide the development of the planning area, which surrounds the Fox Field Airport. The planning concept is to create a landscaped, high quality campus environment that would accommodate a variety of clean businesses, including manufacturing, light industrial, professional, administrative, high technology, and research uses. A large portion of the site is proposed to be covered by surface parking, although site intensification of underutilized parking lots is encouraged through specific plan amendments in the future.	Adopted 1996	NA	Northwest of Lancaster, West of SR 14
--	Lancaster Business Park Phase III Specific Plan ⁶	The specific plan provides the City of Lancaster with a comprehensive set of plans, regulations, conditions and programs for guiding the orderly development of the Lancaster Business Park Phase III. This development, will include a variety of manufacturing, research and development, professional, and limited commercial uses. These uses will be integrated within a unified framework of planned vehicular circulation, landscaping, pedestrian walkways and common open space. The plan implements the applicable provisions and elements of the City's General Plan.	Adopted 1991	NA	North of Palmdale and East of SR 14, North of Air Force Plant 42
Planned and Potential Projects⁷					
L-1	SP 07-01	Amargosa Creek Specific Plan	Partially graded	Transportation and Circulation, Air Quality, Noise ⁸	Northeast corner of 10 th St. West and Avenue L (0.53 mi.)
L-2	CUP 07-06	19,028 SF commercial retail center with gas station and convenience store	Partially constructed	NA	Southwest corner of 10 th St. West and Avenue H (0.02 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
L-3	SPR 05-01	3.26 gross acre commercial center	Partially constructed	NA	Northwest corner of 10 th St. and Avenue M (0.52 mi.)
L-4	SPR 14-03	28,878 SF Department of Motor Vehicles facility	Grading underway	NA	Northeast corner of 8 th St West and Avenue L-6 (0.41 mi.)
L-5	SPR 15-03	Automotive recycling yard including 5,58- SF pf vendor shops, 9,600 SF of warehouse space, and a 12,000 SF car crusher	Grading underway	NA	Northwest corner of Division St. and Avenue H (0.01 mi.)
L-6	SPR 15-04	9,960 SF storage building	Approved	NA	204 East Avenue L-8 (0.07 mi.)
L-7	SPR 15-05	1,124 SF contractors office with 796 storage building	Approved	NA	42461 6 th St. (0.40 mi.)
L-8	DR 15-89	20,081 SF office addition	Approved	NA	West of 10 th St. between L-10 and L-12 (0.64 mi.)
L-9	Tract No. 47895	10 acre single family residence subdivision	24 of 39 homes built	NA	Northwest corner of Avenue K-12 and Challenger Way (0.30 mi.)
L-10	Tract No. 54199	14.7 acre single family residence subdivision	20 of 55 homes built	NA	Northeast corner of Avenue H-8 and 5 th St. East (0.55 mi.)
L-11	Tract No. 54406	4.9 acre single family residence subdivision	12 of 21 homes built	NA	West of 5 th St. East and north of Avenue K (0.30 mi.)
L-12	Tract No. 62873	2.5 acre single family residence subdivision	Approved	NA	Northeast corner of 7 th St. and Avenue K (0.64 mi.)
L-13	Tract No. 64392	23.5 acre single family residence subdivision	Approved	NA	Southeast corner of Challenger Way and Avenue H-12 (1.1 mi.)
L-14	Tract No. 68547	1.61 acre single family residence subdivision	Approved	NA	South of Avenue J and east of 8 th St. East (0.92 mi.)
L-15	Tract No. 70861	6.23 acre single family and multifamily residence subdivision	Approved	NA	South of Avenue I from Beech St. to Elm St. (0.0 mi.)
L-16	Whit Carter Park Expansion	Expansion of park from 27 acres to 62 acres	Planned	NA	Sierra Highway and Beech Avenue (0.05 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
Planned and Potential Transportation Projects					
L-17	15BW008 ⁹	Construction of bicycle and pedestrian improvements, and removal of vehicular traffic lanes. Improvements would create a complete street on 10th Street West and connect to the Downtown	Planned	NA	10 th Street West between West Avenue H and West Lancaster Blvd (0.00 mi.)
L-18	15BR004 ⁹	Improve northbound off-ramp to improve additional stacking, improvements to avenue K and 15th Street West	Planned	NA	Avenue K and SR 14 (0.42 mi.)
L-19	15BR005 ⁹	Widen overpass to multiple lanes in each direction and other improvements	Planned	NA	Avenue M and SR 14 (0.59 mi.)
L-20	15BR006 ⁹	Widen overpass to multiple lanes in each direction, local street widening, and other improvements	Planned	NA	Avenue G and SR 14 (1.5 mi.)
L-21	15BR007 ⁹	New ramps at J, possible closure of ramps at J-8 and 20th W, possible C-D road	Planned	NA	Avenue J and SR 14 (1.9 mi.)
L-22	15BR008 ⁹	Interchange improvements	Planned	NA	Avenue L and SR 14 (1.2 mi.)
L-23	15ST026 ⁹	Gap closure	Planned	NA	Avenue M and 10 th Street West (1.1 mi.)
L-24	15ST050 ⁹	Road widening and intersection improvements	Planned	NA	Avenue J and 17 th Street East (1.5 mi.)
L-25	15ST053 ⁹	Road widening and street improvements	Planned	NA	Avenue I and Challenger Way (1.4 mi.)
L-26	15ST057 ⁹	Road widening	Planned	NA	Trevor Avenue from Avenue H south 1000 feet (0.26 mi.)
L-27	15ST058 ⁹	Construction of new streets	Planned	NA	Medical Main Street – Antelope Valley Hospital (1.3 mi.)
L-28	15ST060 ⁹	Install additional travel lane, bike lane, and bus turnout.	Planned	NA	Avenue J and 20 th Street West (2.3 mi.)
L-29	12ST032 ¹⁰	Street rehabilitation; addition of sidewalks and landscaping (from West Lancaster Boulevard to 600 feet north of West Avenue J)	Planned	NA	20 th Street West between West Lancaster Boulevard and West Avenue J (1.7 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
L-30	15ST055 ¹⁰	5th Street East Corridor improvements	Planned	NA	5th Street East from 550 feet south of East Kettering Street to Curve Circle (0.70 mi.)

Sources: ¹ City of Lancaster 2009a

² City of Lancaster 2009b

³ City of Lancaster 2008a

⁴ City of Lancaster 2008b

⁵ City of Lancaster 1996

⁶ City of Lancaster 1991

⁷ Ng 2016

⁸ City of Lancaster 2007

⁹ City of Lancaster 2016

¹⁰ Diaz 2016

NA = not applicable or not available

mi. = mile(s)

SF = square foot

SR = State Route

Table 3.19-A-6 Planned and Potential Projects and Plans – City of Palmdale

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
Plans					
--	City of Palmdale General Plan ¹	The General Plan serves as a foundation in guiding land use based on goals and policies related to land use, transportation routes, population growth and distribution, development, and other related physical, social, and economic development factors. The General Plan established a clear set of development rules for citizens, developers, decision makers, neighboring cities and counties, and provides the community with an opportunity to participate in the planning and decision making process.	Adopted 1993 Planning Horizon Long Term	Air Quality and Global Climate Change, Biological Resources and Wetlands, Hydrology and Water Resources, Parks, Recreation, and Open Space, (loss of open space), Geology, Soils, Seismicity, and Paleontological Resources (earthquake hazards), Population and Housing, Transportation and Traffic ²	City of Palmdale
--	City of Palmdale General Plan Housing Element Update ³	Establishes new high density residential areas and increases the permitted density within Neighborhood Zone C of the Palmdale Transit Village Specific Plan from 25-40 dwelling units per acre to 30-40 dwelling units per acre.	Adopted 2012	Air Quality and Global Climate Change; Hydrology and Water Resources; Noise and Vibration; Public Utilities and Energy; Transportation ⁴	City of Palmdale
--	Palmdale Transit-Oriented Development (TOD) Overlay Zone Land Use Framework Plan ³	Framework to guide future development in the area surrounding the Palmdale Transportation Center and future Palmdale Multimodal Station; envisions a vibrant urban core and walkable mixed-use neighborhoods.	Notice of Determination filed January 2018	Air Quality; Greenhouse Gas Emissions; Noise ⁵	Centered around the Palmdale Transportation Center; generally located between Rancho Vista Boulevard (Avenue P) and Palmdale Boulevard (SR 138) and between SR 14 and 10th Street East ⁶
--	Palmdale Transit Village Specific Plan ⁷	Proposes a range of 110-acre Transit Oriented Development adjacent to Downtown Palmdale.	Adopted 2007	Air Quality and Global Climate Change; Cultural Resources; Socioeconomics and Communities; Station Planning, Land Use, and Development; Public Utilities and Energy; Transportation ⁸	Bounded by Technology Boulevard to the north, Avenue Q-3 to the south, Sierra Highway to the east, and 3rd Street East to the west

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
--	Recycled Water Facilities Plan ⁹	Proposes implementation of the 2014 Recycled Water Facilities Plan, which includes construction and operation of distribution pipelines and laterals and pumping facilities.	MND filed 2014	NA	City of Palmdale
--	Palmdale Multi-Modal High Speed Rail Station Area Plan Project ¹⁰	Station area plan for the planned HSR multimodal station near downtown Palmdale.	Planned	TBD	Between Rancho Vista Boulevard and Avenue R and between SR-14 and 15th Street East
Planned and Potential Projects					
--	Water System Master Plan ¹¹	Construction of water system improvements throughout the Palmdale Water District service area in order to meet potable water system current and future needs.	Approved November 2018	Noise ²⁷	City of Palmdale
--	Palmdale Regional Groundwater Recharge and Recovery Project ³	Development of a groundwater banking, storage, and extraction program, using a combination of raw imported State Water Project (SWP) water and locally produced recycled water delivered to a new recharge basin located on undeveloped land in northeast Palmdale.	Scheduled to begin construction in May 2017	NA ¹²	Northeastern, undeveloped portion of the City of Palmdale and surrounding unincorporated Los Angeles County and City of Lancaster. North of SR-138, east of SR-14, south of Edwards Air Force Base, and west of the community of Lake Los Angeles
P-1	Grading Project (Site Plan Review 16-003) ³	Placement of approximately 3,000,000 cubic yards of clean soil consistent with the approved Grading Permit conditions on the property currently owned by "Three Arklin LLC" over 15 years.	Notice Of Determination filed (MND)12/8/16; 2016-2031	None ¹³	Directly south of City Ranch Road and approximately 1 mile west of Tierra Subida Avenue (2.3 mi.)
P-2	Antelope Valley Landfill Expansion ³	Enlargement of the landfill area by joining the two existing landfills into one contiguous landfill.	Final EIR published 2011; approvals in progress	Cumulative Impacts (Aesthetics and Visual Quality; Air Quality and Global Climate Change; Transportation) ^{14,15}	Directly west of SR-14 and north of the Anaverde Creek (Anaverde Valley), at the existing terminus of City Ranch Road, west of Tierra Subida Avenue (2 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
P-3	Guidance Charter School (CUP 16-011) ³	New charter school that will serve middle school and high school students and will include a library, gym, multi-purpose room, administration building, locker rooms, basketball/volleyball courts, classrooms, installation of paved parking areas, track, soccer and football facility, baseball field, and access roads and utilities (natural gas, water sewer, electric, telephones).	MND Adopted September 2016	NA ¹⁶	30 acres; south of Avenue R and west of 40th Street East (9.7 mi.)
P-4	SPR15-004 ¹⁷	Proposed assisted living facility within a 57,935 square foot building.	Proposed MND Circulated 3/18/2016	NA	12th Place East and East Avenue Q-2 (1.1 mi.)
P-5	SPR 15-008	Solar Facility on the Lockheed Martin Campus	Approved	NA	1011 Lockheed Way (0.36 mi.)
P-6	CUP14-030	Development of an approximately 400 SF wireless telecommunications facility.	Approved	NA	39110 3 rd Street East (1.0 mi.)
Planned and Potential Transportation Projects⁴					
P-7	SR-138/Avenue N Interchange Project (Project ID: LA0G898) ¹⁹	Ramp, signal, intersection, and freeway mainline improvements at SR-14/Avenue N on- and off-ramp locations, SR-14/Avenue N bridge structure, Avenue N between SR-14 and 10th Street West, and SR-14 near Avenue N on- and off-ramp approaches.	2016/2017, 2017/2018, 2018/2019	NA	SR-14 and Avenue N interchange (2.1 mi.)
P-8	Railroad Grade Separation of Rancho Vista Boulevard, Phase 2 (Project ID: LAF1104B) (P-8 on B-P list) ²⁰	Construction of a railroad grade separation of Rancho Vista Boulevard at both Sierra Highway and the double-track at-grade crossing of the Southern California Regional Rail Authority (SCRRA) Metrolink and Union Pacific Railroad (UPRR) tracks.	2016/2017	NA ²¹	Rancho Vista Boulevard from Fairway Drive to 10th Street East and Sierra Highway from north of East Avenue O-8 to Avenue P-8 (0.0 mi.)
P-9	SR-14 Carpool Lanes ²²	Addition of carpool lanes to SR-14 from Avenue P-8 to Avenue L.	Completion in 2027	NA	Avenue P-8 to Avenue L (2.8 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
P-10	Rancho Vista Boulevard Widening Gap Closure Project (Project ID: LAF7121) ²²	Widening of two segments of Rancho Vista Boulevard, between 23rd Street West and 15th Street West and between Arnie Quinones Park and West Avenue N, to accommodate three continuous lanes without gaps or bottlenecks, 10-foot sidewalks, and 5-foot Class III bike routes in each direction.	2016/2017, 2017/2018, 2018/2019	NA ²¹	Rancho Vista Boulevard between 23rd Street West and 15th Street West (1.3 mi.) and between Arnie Quinones Park and West Avenue N (4.4 mi.)
P-11	SR-138 (SR-14) Northbound Off-Ramp onto Rancho Vista Boulevard/Avenue P Improvement Project (Project ID: LA0G897) ²²	Improvements to the traffic signal and roadway at the SR-138 (SR-14) northbound off-ramp at Rancho Vista Boulevard Avenue P. Improvements to southbound Rancho Vista Boulevard/Avenue P on-ramp SR-138 (SR-14). Improvements to SR-138 at Technology Drive bridge structure. Widening of southbound SR-138 (SR-14) beginning south on Rancho Vista Boulevard/Avenue P and exiting to Palmdale Boulevard. Additional mainline lane improvements between Rancho Vista Boulevard/Avenue P and Palmdale Boulevard.	Completion in 2018	NA ²³	Rancho Vista Boulevard and Avenue P to Palmdale Boulevard (0.5 mi.)
P-12	SR-138 (SR-14), 10th Street West Widening/ Interchange Project (Project ID: LA0G895) ²²	Widening of both sides of 10th Street West between Rancho Vista Boulevard/Avenue P and West Avenue O-8; improvements to 10th Street West (on- and off-ramps), and upgrades and/or modifications to three traffic signals at the following locations: 10th Street West at Rancho Vista Boulevard/Avenue P, the Antelope Valley Mall, and SR-138 (SR-14) southbound off-ramp.	Completion in 2017/2018	NA ²⁴	10th Street West between Rancho Vista Boulevard and West Avenue O-8 (0.6 mi.)
P-13	Palmdale Boulevard (SR-138 /47th Street) Street Improvements (Project ID: LA0G951) ²⁰	Installation of a traffic signal at 15th Street East and new curb/gutter/sidewalk between 11th Street East and 22nd Street East and on 47th Street from Avenue R-8 and Avenue S.	NA	NA	Palmdale Boulevard from 11th Street East to 22nd Street East (0.1 mi.); 47th Street from Avenue R-8 to Avenue S (3.3 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
P-14	Palmdale Boulevard Off-Ramp Widening Project (Project ID: LA0G896) ²⁰	Addition of two left- and one right-turn lanes onto Palmdale Boulevard; widening of northbound SR-14 for auxiliary lane; modifications to northbound loop on-ramp for right turn pocket; modifications to two ramp intersections to stop left-turn movement to merge freely onto Palmdale Boulevard; addition of eastbound right-turn lane from Palmdale Boulevard to Division Street; modifications to Palmdale Boulevard for double left turns from ramps; modifications to Palmdale Boulevard for three westbound through lanes through southbound ramp intersection; modifications to southbound off ramp allowing widening from Avenue Q - Palmdale Boulevard.	2018/2019	NA	Palmdale Boulevard through southbound SR-14 ramp intersection (0.3 mi.)
P-15	SR-138 (5th Street East to 10th Street East) Improvements Project ²⁵	Widening of SR-138 (Palmdale Boulevard) between 5th Street East and 10th Street East in downtown Palmdale from two lanes to three lanes in each direction; widening of Sierra Highway from two lanes to three lanes in each direction between Avenue R and a point 500 feet south of Avenue Q.	Construction to begin in early 2019, completion in 2020	NA	SR-138/Palmdale Boulevard between 5th Street East and 10th Street East (0.0 mi.); Sierra Highway between Avenue R and 500 feet south of Avenue Q (0.0 mi.)
P-16	Avenue R Safety Improvement Project ²²	Improvements to Avenue R including a continuous 6-foot-wide dedicated bike lane with buffer lane; closing sidewalk gaps; providing pedestrian crossings; creating a two-way left-turn lane in the midblock; and adding traffic-calming devices and ADA-compliant ramps in the vicinity of Tumbleweed Elementary School. Improvements would also include restriping lanes and existing crossings while matching the proposed road configuration to the existing roadway configuration at both the eastern and western ends and at local intersections.	Planned	NA ²⁵	Avenue R from west of Sierra Highway to 0.1 mile east of 25th Street East (0.0 mi.)
P-17	Tierra Subida Widening from Avenue S to Rayburn Road (Project ID: LA0D145B) ²²	Widening of Tierra Subida from two to four lanes and addition of traffic signals, streetlights, raised medians, drainage improvements and pedestrian improvements.	2016/2017, 2017/2018	NA ³	Tierra Subida from Avenue S to Rayburn Road (0.6 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
P-18	SR-138 Widening Project from Avenue T to SR-18 (Project ID: LA0D451) ²²	Widening of SR-138 from two to four through lanes with a median turn lane from Avenue T to SR-18.	2016/2017	Cumulative Impacts (Cultural Resources, Noise and Vibration) ²⁶	SR-138 from Avenue T to SR-18 (4.0 mi.)
P-19	Avenue M/ STR-023	Street widening south side only, part of Measure R handled by the City of Lancaster	Planned	NA	Avenue M from SR-14 to Sierra Highway (0.0 mi.)
P-20	Avenue N Widening/STR-028	Street widening and improvements	Planned	NA	Avenue N from 10 th West to Sierra Highway (0.0 mi.)
P-21	SR 14 Ave N Overcrossing/STR-105	Widen SR-14 bridge from 2 to 4 lanes, widening of SR-14 off-ramps	Planned	NA	Interchange at Avenue N and SR-14 (0.80 mi.)
P-22	Rancho Vista Blvd Grade Separation Project/STR-075	A six-lane underpass of Rancho Vista Blvd at intersection with railroad tracks and access ramps to Sierra Highway	Planned	NA	Rancho Vista Blvd and Sierra Highway (0.35 mi.)
P-23	5 th Street East/STR-007	Street widening improvements	Planned; Funding 2020-2026	NA	5 th Street East from Palmdale Boulevard to Avenue S (1.9 mi.)
P-24	10 th Street East/STR-008	Street widening improvements	Planned; Funding 2019-2026	NA	10 th Street East from Rancho Vista Blvd to Avenue Q (0.69 mi.)
P-25	10 th Street East/STR-009	Street widening improvements	Planned; Funding 2019-2026	NA	10 th Street East from Avenue R to Avenue S (2.5 mi.)
P-26	10 th Street East/STR-010	Street widening improvements	Planned; Funding 2019-2026	NA	10 th Street East from Avenue M to Avenue O-8 (0.59 mi.)
P-27	Division Street Improvements/STR-066-67	Street widening improvements	Planned; Funding 2018-2026	NA	Division Street from Palmdale Boulevard to Avenue R (0.95 mi.)
P-28	Palmdale Boulevard/STR-070	Street widening and improvements	Planned; Funding 2019-2026	NA	Palmdale Boulevard from 10 th Street West to SR-14 (1.8 mi.)

Map ID	Project Name/Number	Description	Status/Timing	Potential significant unavoidable impacts	Location (Distance)
P-29	Rayburn Road/STR-082	Street widening and improvements	Planned; Funding 2018-2019	NA	Rayburn Road from Tierra Subida Avenue to Division Street (2.4 mi.)
P-30	Sierra Highway Widening/STR-083	Widening to 6 lanes	Planned; Funding 2019-2026	NA	Sierra Highway from Avenue R-8 to Avenue S (2.5 mi.)
P-31	Technology Drive Widening/STR-087	Street widening and improvements	Planned; Funding 2019-2026	NA	Technology Drive from SR-14 to 3 rd Street East (0.89 mi.)
P-32	State Route 138/STR-101	Widen to three lanes in each direction and improvements	Planned; Funding 2016-2018	NA	SR-138 from 5 th East to 10 th East (1.9 mi.)

Sources: ¹ City of Palmdale 1993a

² City of Palmdale 1993b

³ CEQAnet 2017

⁴ City of Palmdale 2012

⁵ City of Palmdale 2017

⁶ Dyett & Bhatia 2015

⁷ City of Palmdale 2007a

⁸ City of Palmdale 2007b

⁹ City of Palmdale 2014

¹⁰ City of Palmdale 2017b

¹¹ City of Palmdale 2016e

¹² City of Palmdale 2016b

¹³ City of Palmdale 2016c

¹⁴ City of Palmdale 2010

¹⁵ City of Palmdale 2011

¹⁶ City of Palmdale 2016d

¹⁷ City of Palmdale 2016a

¹⁸ Behen 2016

¹⁹ SCAG 2016a

²⁰ SCAG 2016b

²¹ Builders Notebook 2017

²² City of Palmdale 2016f

²³ City of Palmdale 2013

²⁴ Caltrans 2017b

²⁵ Caltrans 2016a

²⁶ Caltrans 2000

²⁷ Palmdale Water District 2018

NA = not applicable or not available

EIR = Environmental Impact Report

mi. = mile(s)

SR = State Route

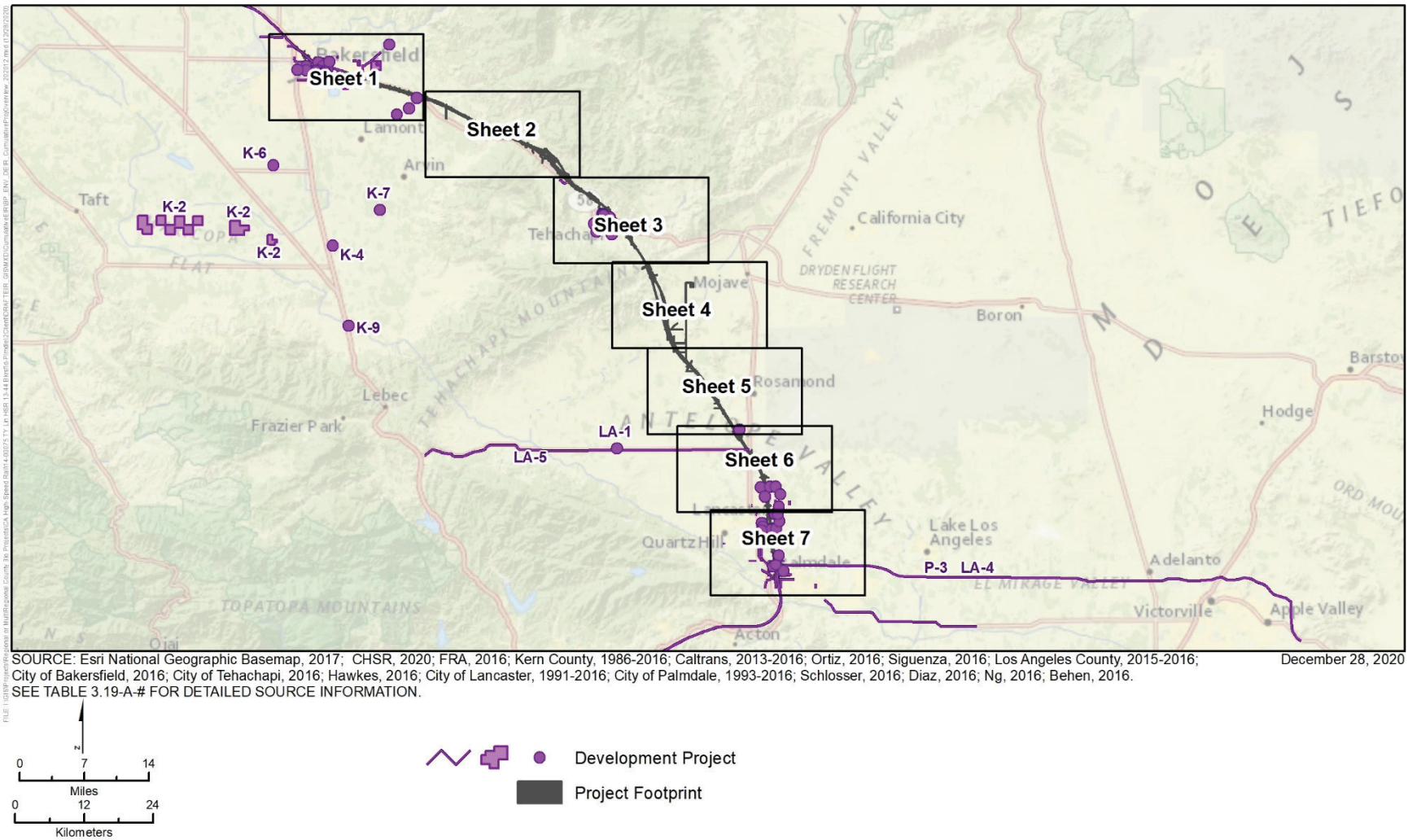
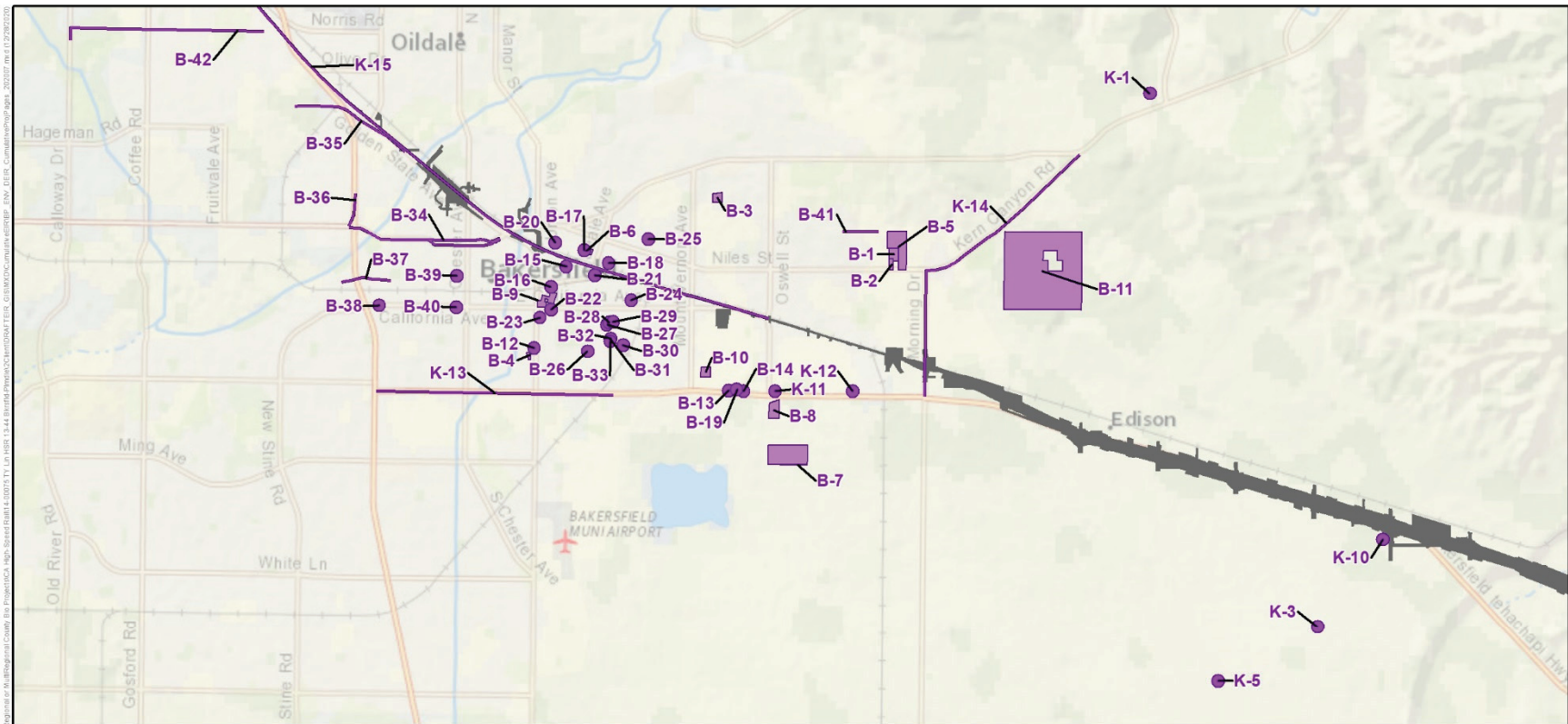
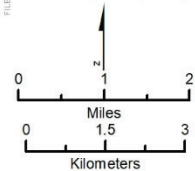


Figure 3.19-A.1 Cumulative Projects along the Bakersfield to Palmdale Section Alignment (Overview)



SOURCE: Esri National Geographic Basemap, 2017; CHSR, 2020; FRA, 2016; Kern County, 1986-2016; Caltrans, 2013-2016; Ortiz, 2016; Siguenza, 2016; Los Angeles County, 2015-2016; City of Bakersfield, 2016; City of Tehachapi, 2016; Hawkes, 2016; City of Lancaster, 1991-2016; City of Palmdale, 1993-2017; Schlosser, 2016; Diaz, 2016; Ng, 2016; Behen, 2016. SEE TABLE 3.19-A-# FOR DETAILED SOURCE INFORMATION.

December 28, 2020



- Development Project
- Project Footprint



Figure 3.19-A.1 Cumulative Projects along the Bakersfield to Palmdale Section Alignment (Sheet 1)

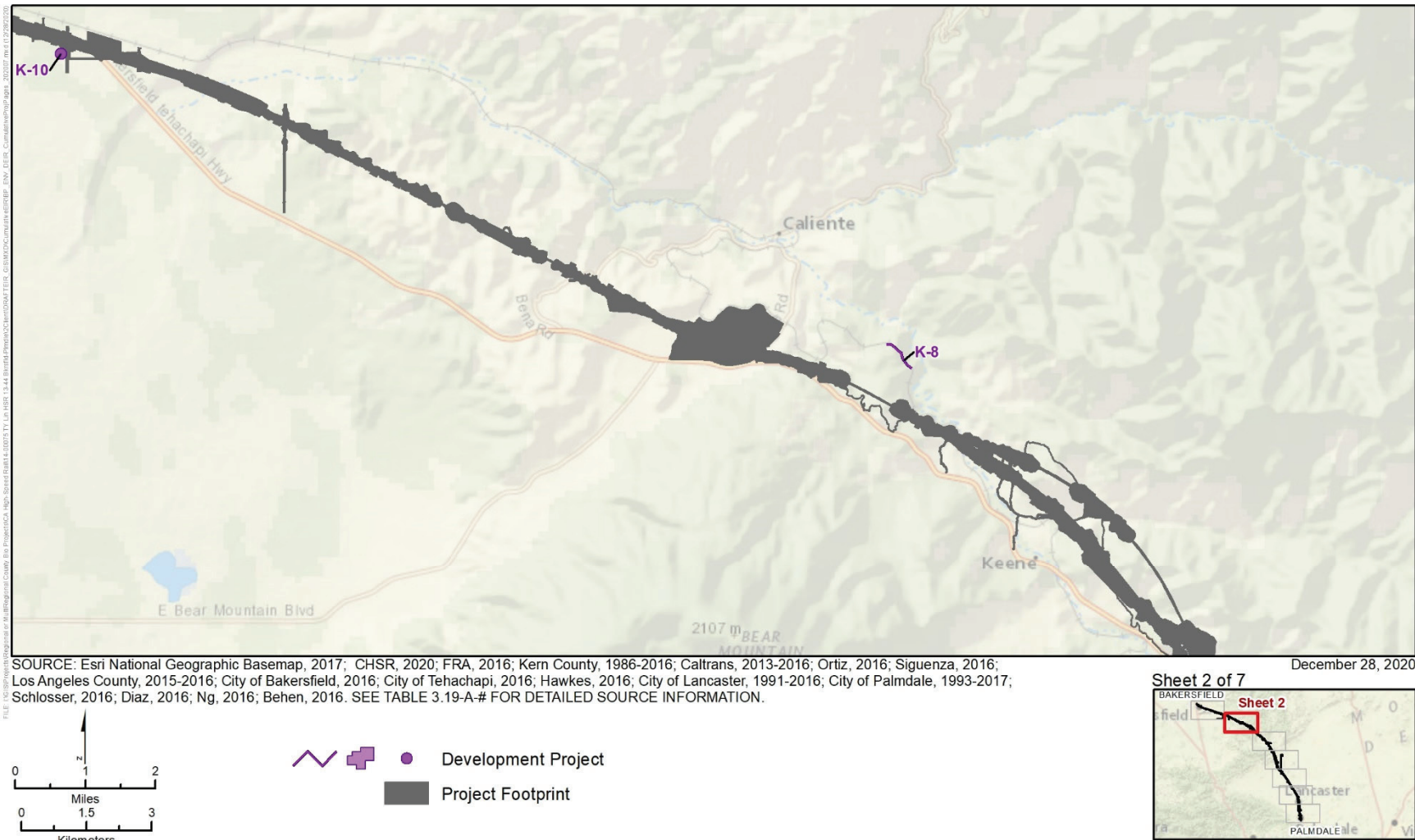
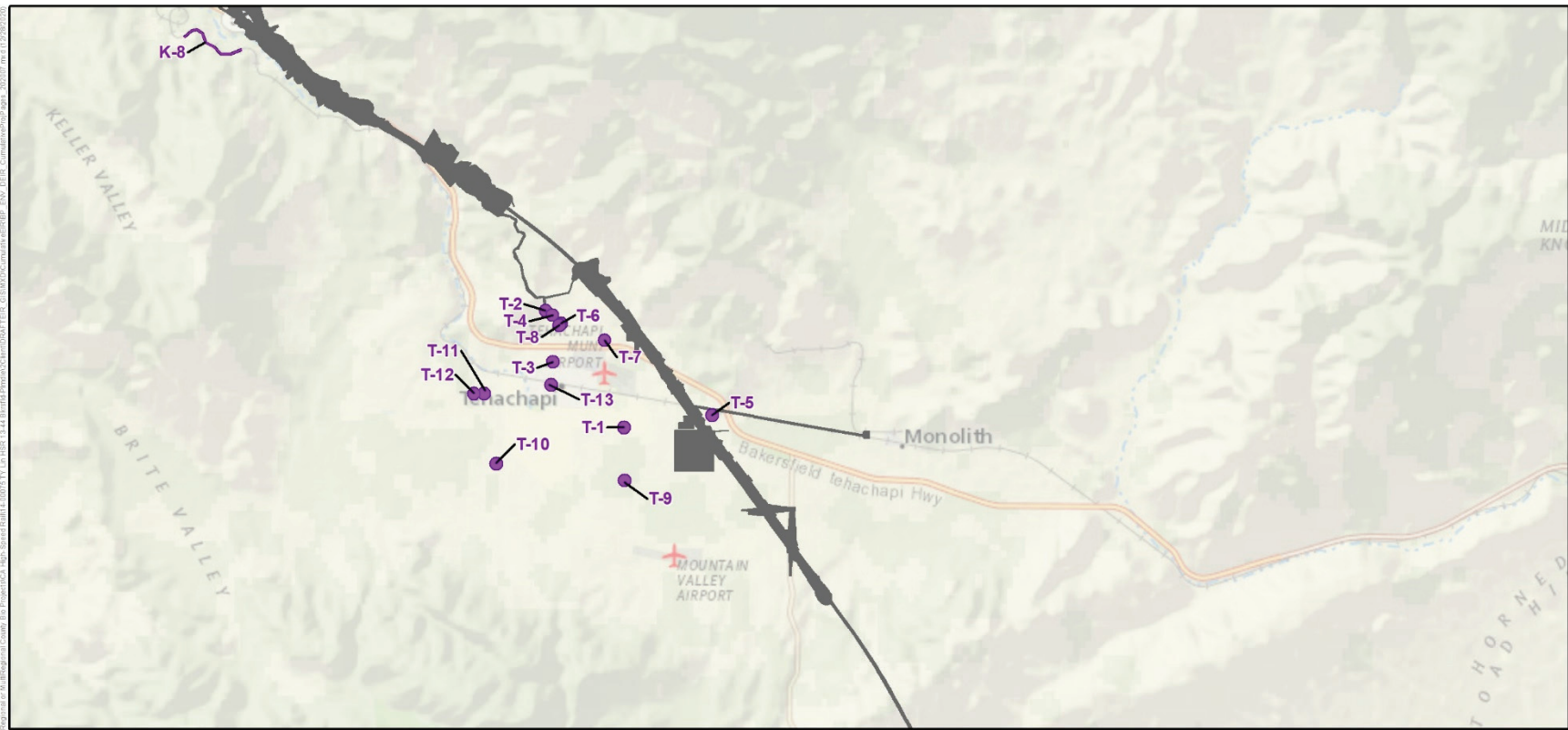


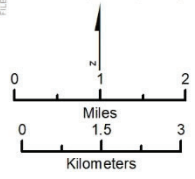
Figure 3.19-A.1 Cumulative Projects along the Bakersfield to Palmdale Section Alignment (Sheet 2)



December 28, 2020

SOURCE: Esri National Geographic Basemap, 2017; CHSR, 2020; FRA, 2016; Kern County, 1986-2016; Caltrans, 2013-2016; Ortiz, 2016; Siguenza, 2016; Los Angeles County, 2015-2016; City of Bakersfield, 2016; City of Tehachapi, 2016; Hawkes, 2016; City of Lancaster, 1991-2016; City of Palmdale, 1993-2017; Schlosser, 2016; Diaz, 2016; Ng, 2016; Behen, 2016. SEE TABLE 3.19-A.# FOR DETAILED SOURCE INFORMATION.

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- Development Project
- Development Project
- Development Project
- Project Footprint



Figure 3.19-A.1 Cumulative Projects along the Bakersfield to Palmdale Section Alignment (Sheet 3)

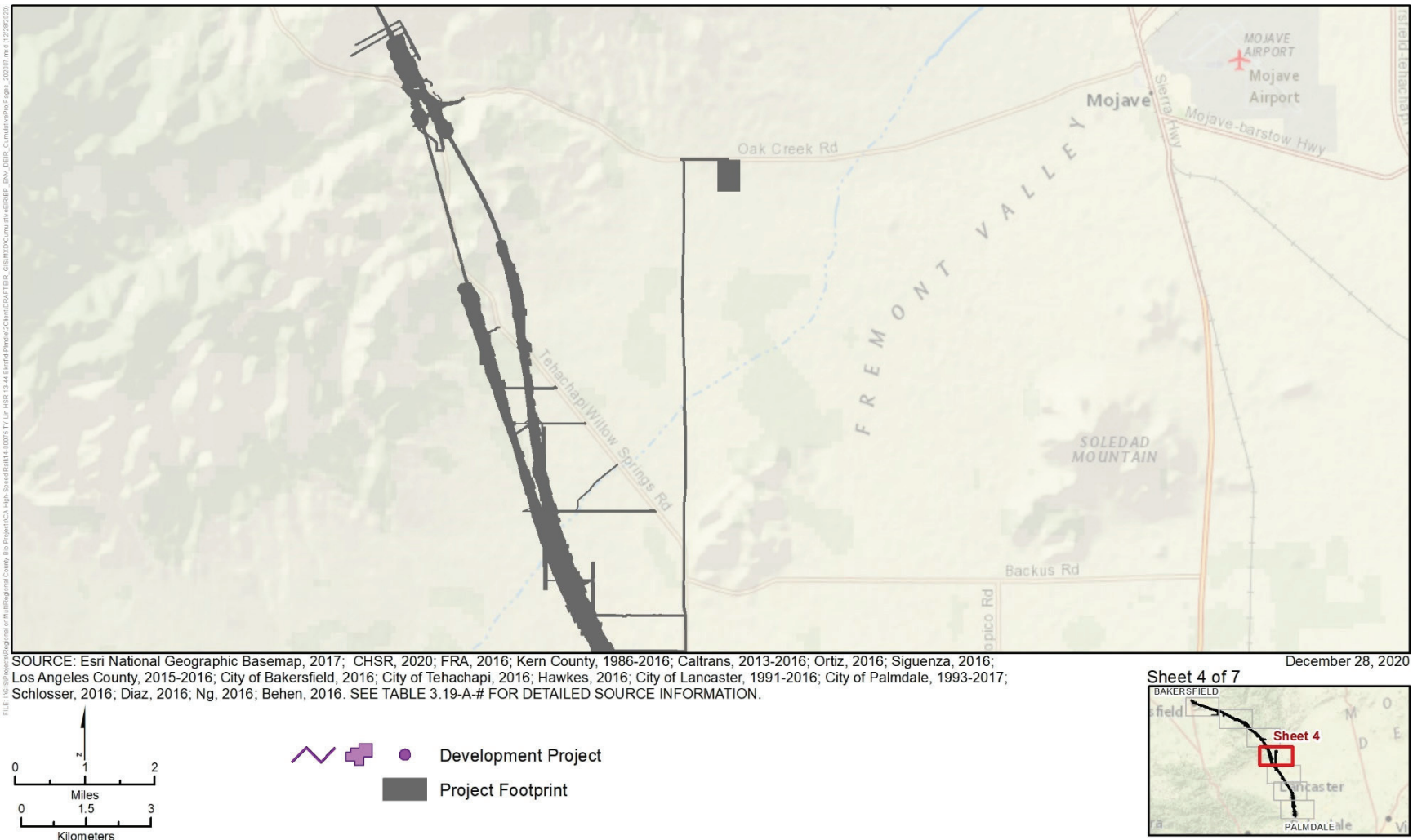
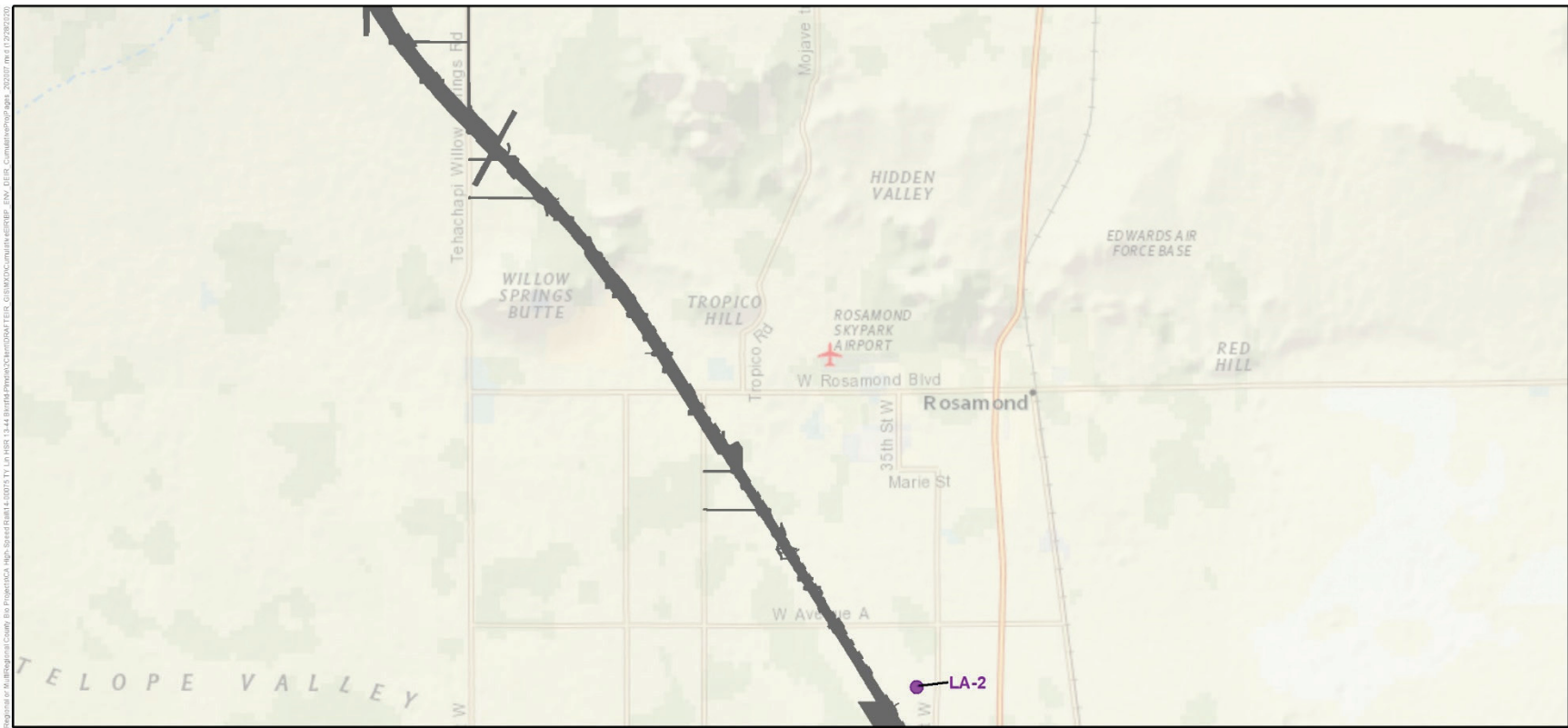
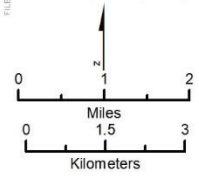


Figure 3.19-A.1 Cumulative Projects along the Bakersfield to Palmdale Section Alignment (Sheet 4)



SOURCE: Esri National Geographic Basemap, 2017; CHSR, 2020; FRA, 2016; Kern County, 1986-2016; Caltrans, 2013-2016; Ortiz, 2016; Siguenza, 2016; Los Angeles County, 2015-2016; City of Bakersfield, 2016; City of Tehachapi, 2016; Hawkes, 2016; City of Lancaster, 1991-2016; City of Palmdale, 1993-2017; Schlosser, 2016; Diaz, 2016; Ng, 2016; Behen, 2016. SEE TABLE 3.19-A-# FOR DETAILED SOURCE INFORMATION.

December 28, 2020



- Development Project
- Project Footprint

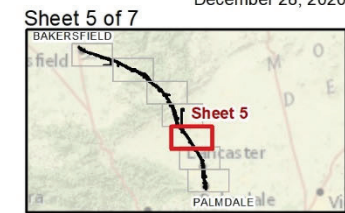


Figure 3.19-A.1 Cumulative Projects along the Bakersfield to Palmdale Section Alignment (Sheet 5)

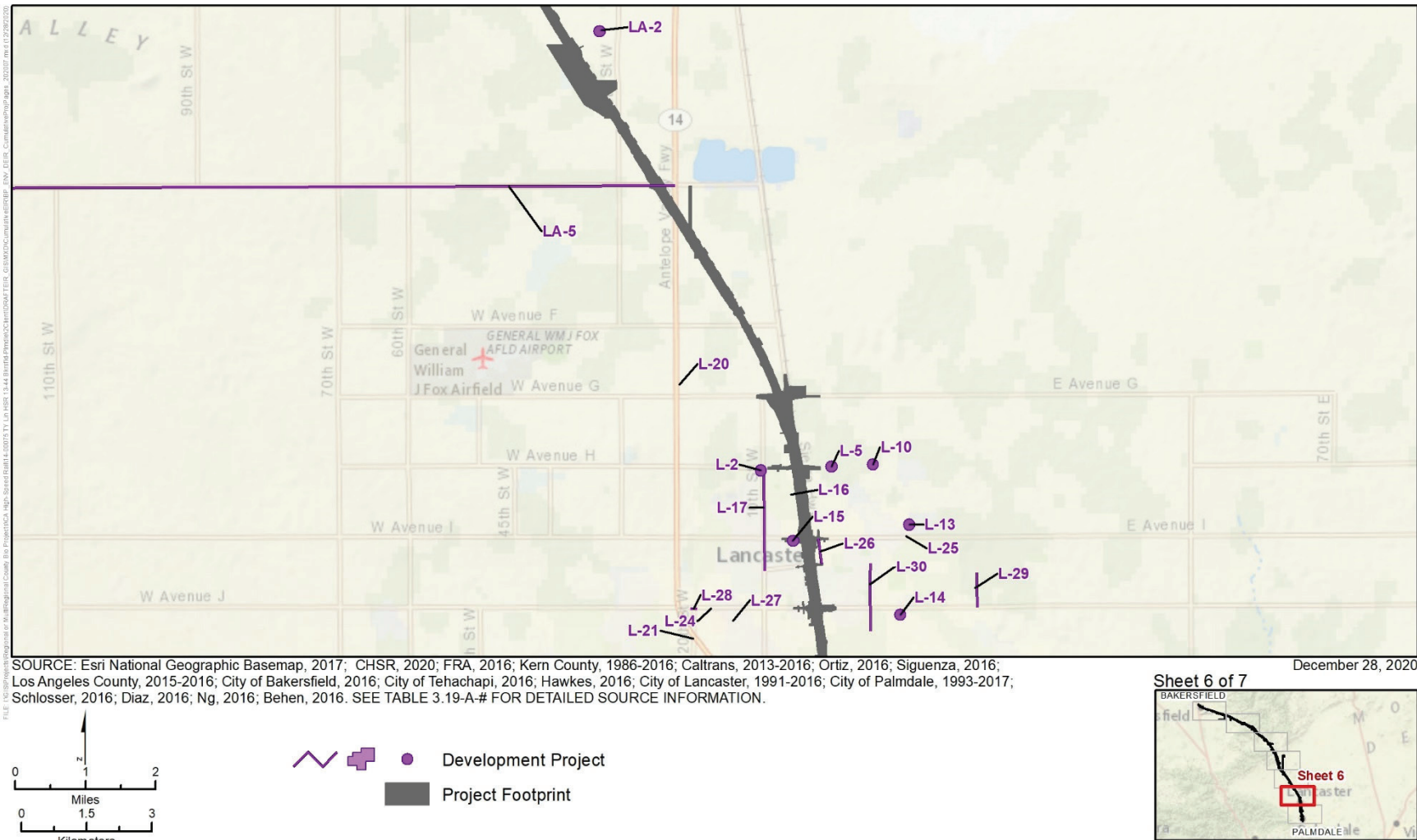
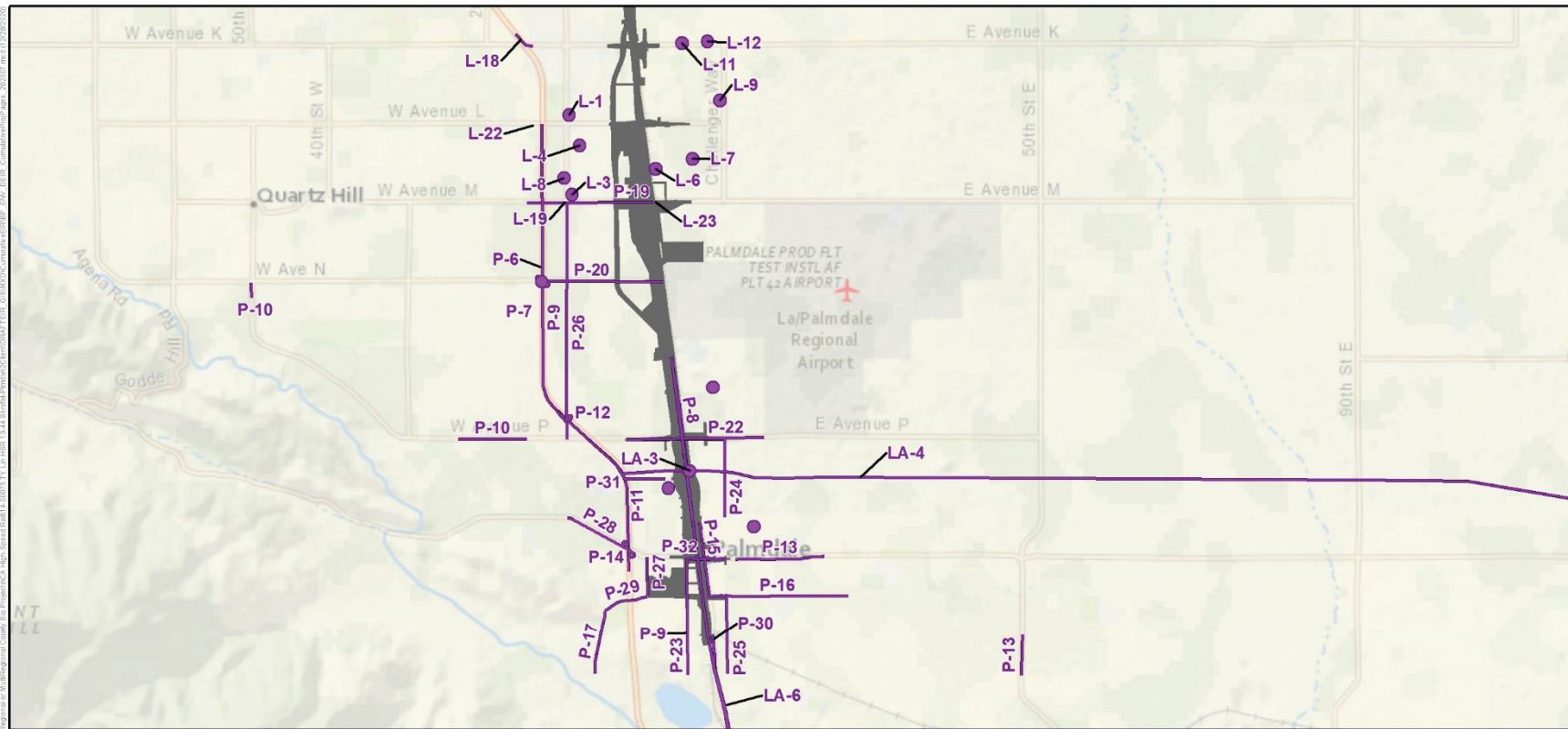
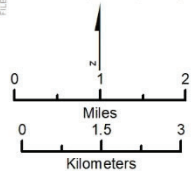


Figure 3.19-A.1 Cumulative Projects along the Bakersfield to Palmdale Section Alignment (Sheet 6)



SOURCE: Esri National Geographic Basemap, 2017; CHSR, 2020; FRA, 2016; Kern County, 1986-2016; Caltrans, 2013-2016; Ortiz, 2016; Siguenza, 2016; Los Angeles County, 2015-2016; City of Bakersfield, 2016; City of Tehachapi, 2016; Hawkes, 2016; City of Lancaster, 1991-2016; City of Palmdale, 1993-2017; Schlosser, 2016; Diaz, 2016; Ng, 2016; Behen, 2016. SEE TABLE 3.19-A-# FOR DETAILED SOURCE INFORMATION.

December 28, 2020



- Development Project
- Project Footprint

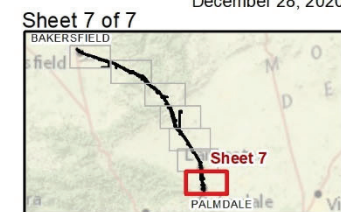


Figure 3.19-A.1 Cumulative Projects along the Bakersfield to Palmdale Section Alignment (Sheet 7)

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