

California High-Speed Rail Authority

# *Fresno to Bakersfield* *Section*

Draft Supplemental  
Environmental Impact  
Report/Environmental  
Impact Statement

Appendix 2-B  
Railroad Crossings

November 2017



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## TABLE OF CONTENTS

APPENDIX 2-B: RAILROAD CROSSINGS .....	2-B-1
2-B-1 Definitions .....	2-B-1

### Tables

Table 2-B-1 Proposed F-B LGA Crossings of Railroads .....	2-B-2
Table 2-B-2 Proposed Public Crossings of F-B LGA.....	2-B-3
Table 2-B-3 Railroad Crossings within F-B LGA Footprint .....	2-B-5

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## APPENDIX 2-B: RAILROAD CROSSINGS

This Appendix 2-B provides information about railroad and roadway crossings within the footprint of the F-B LGA. Provided below are tables containing acronyms and term definitions used in this Appendix that are shown in Table 2-B-1, Table 2-B-2, and Table 2-B-3. Table 2-B-1 describes the area where the F-B LGA would cross existing railroads. Table 2-B-2 provides the proposed public roadway crossings associated with the F-B LGA. Table 2-B-3 provides railroad crossings within the F-B LGA footprint. Information regarding railroad and roadway crossings for the May 2014 Project can be found in the Fresno to Bakersfield Section Final EIR/EIS Appendix 2-B (pages 2-B-1 through 2-B-30).

### 2-B-1 Definitions

Term	Description
F-B LGA	Locally Generated Alternative
BNSF	BNSF Railway
SJVR	San Joaquin Valley Railroad
UPRR	Union Pacific Railroad

Existing RRX Grade	F-B LGA	Road Realign	RRX Change	Prop. RRX Grade
G = Grade Crossing	HSR At	None	No Change	RR At
A = Road Above Track	HSR Below	Minor	Close	RR Below
B = Road Below Track	HSR Above	Major	Changes	RR Above

All proposed crossings include the following:

F-B LGA Alignment	Proposed grade of F-B LGA track alignment/corridor
HSR At	HSR track on the surface (on embankment, at-grade, ground level)
HSR Above	HSR track on the surface (above grade, retained fill, rail bridge, aerial structure, etc.)
Road Alignment	Proposed roadway realignment or construction in the vicinity of the at-grade crossing
None	No significant roadway realignment or construction
Minor	Minor reconstruction of local roadways
Major	Major reconstruction of local roadways

Where the F-B LGA alignment is within 1,000 feet of an existing highway-railroad crossing the following information is included:

Existing RRX Grade	Existing grade of highway-railroad crossing
G	Currently roadway crosses the railroad at-grade.
A	Currently roadway is above the railroad.
B	Currently roadway is below the railroad.
RRX Change	Proposed physical change to the highway-railroad crossing
No Change	Railroad crossing and immediate vicinity will NOT be physically affected
Close	Railroad crossing will be eliminated
Changes	Railroad crossing will remain with physical modification, including the addition of RR or HSR track at an existing railroad grade separation
RRX Grade	Proposed grade of the highway-railroad crossing
RRX At	Railroad tracks at same level as roadway
RRX Below	Railroad tracks below roadway
RRX Above	Railroad tracks above roadway

**Table 2-B-1 Proposed F-B LGA Crossings of Railroads**

No.	HSR Station	RR	Approx. RR MP	Prop HSR Grade	Prop. HSR Xing RR	City	County
1	5998+00	BNSF Yard tracks in Shafter	905.1	Proposed to remove and relocate tracks	Proposed to remove and relocate tracks	Shafter	Kern
2	6004+50	BNSF Spur	904.8	Above	Over RR	Shafter	Kern
3	6664+00	UPRR Industry Spur	307.21	Above	Over RR	Bakersfield	Kern
4	6768+00	SJVR	111.4	Above	Over RR	Bakersfield	Kern
5	6997+00	BNSF	885.4	Above	Over RR	Bakersfield	Kern
6	7015+50	UPRR Wye	313.8	Above	Over RR	Bakersfield	Kern
7	7020+50	UPRR Wye	313.9	Above	Over RR	Bakersfield	Kern

**Table 2-B-2 Proposed Public Crossings of F-B LGA**

No.	Approx. F-B LGA Station	Road Xing F-B LGA	Road Realign	Road Network/ Flow Changes	Prop. F-B LGA Grade	Prop. F-B LGA Xing Road	City	County
1	5883+40	Poplar Ave	Major	Minor	At	Below	Shafter	Kern
2	5883+00	Madera Ave	Minor	None	At	Above	Shafter	Kern
3	5921+00	Fresno Ave	None	None	Above	Above	Shafter	Kern
4	5954+50	Tulare Ave	Major	Minor	Above	Above	Shafter	Kern
5	5957+00	Shafter Ave	None	Closed	At	Above	Shafter	Kern
6	5858+25	Tulare Ave	None	Closed	At	Above	Shafter	Kern
7	5976+45	Central Ave	Minor	None	Above	Above	Shafter	Kern
8	5994+00	Mannel Ave	Minor	None	Above	Above	Shafter	Kern
9	5995+50	E Lerdo Hwy	Minor	None	Above	Above	Shafter	Kern
10	6030+80	Beech Ave	Major	Minor	At	Above	Shafter	Kern
11	6033+80	Los Angeles Ave	None	Closed	At	Above	Shafter	Kern
12	6065+20	Gold's Ave	None	Closed	At	Above	Shafter	Kern
13	6075+65	Riverside St	Major	Minor	At	Above	Shafter	Kern
14	6097+00	Cherry Ave	None	None	At	Above	Shafter	Kern
15	6129+60	Orange Ave	None	Closed	At	Above	Unincorp	Kern
16	6155+08	Mendota St	None	Closed	At	Above	Unincorp	Kern
17	6212+35	Driver Rd	None	None	Above	Above	Unincorp	Kern
18	6265+40	Zachary Ave	None	None	Above	Above	Unincorp	Kern
19	6370+85	Zerker Rd	None	None	Above	Above	Unincorp	Kern
20	6483+06	Verdugo Ln	None	None	Above	Above	Unincorp	Kern
21	6595+00	7th Standard Rd	Major	Major	Above	Below	Unincorp	Kern
22	6653+30	Fruitvale Ave	None	None	Above	Above	Unincorp	Kern
23	6671+57	Snow Rd	None	None	Above	Above	Bakersfield	Kern
24	6714+55	Knudsen Dr	None	None	Above	Above	Bakersfield	Kern
25	6718+30	SR 99	None	None	Above	Above	Bakersfield	Kern
26	6736+00	State Rd	Minor	Minor	Above	Above	Bakersfield	Kern
27	6740+50	SR 99 On/Off Ramps	None	None	Above	Above	Bakersfield	Kern
28	6743+20	Olive Drive	None	None	Above	Above	Bakersfield	Kern
29	6748+55	State Rd	None	None	Above	Above	Bakersfield	Kern
30	6782+00	State Rd	Minor	None	Above	Above	Bakersfield	Kern
31	6795+30	Airport Dr	None	None	Above	Above	Bakersfield	Kern
32	6798+10	SR 99 NB On Ramp	None	None	Above	Above	Bakersfield	Kern

No.	Approx. F-B LGA Station	Road Xing F-B LGA	Road Realign	Road Network/Flow Changes	Prop. F-B LGA Grade	Prop. F-B LGA Xing Road	City	County
33	6801+20	SR 99 NB Off Ramp	None	None	Above	Above	Bakersfield	Kern
34	6877+84	32nd St	Major	Minor	Above	Above	Bakersfield	Kern
35	6880+45	Chester Ave	None	None	Above	Above	Bakersfield	Kern
36	6889+30	30th St	None	None	Above	Above	Bakersfield	Kern
37	6893+72	M Street	None	None	Above	Above	Bakersfield	Kern
38	6902+25	O St	None	None	Above	Above	Bakersfield	Kern
39	6910+50	Q St	None	None	Above	Above	Bakersfield	Kern
40	6915+58	SR 178	None	None	Above	Above	Bakersfield	Kern
41	6928+00	24th St	None	Closed	Above	Above	Bakersfield	Kern
42	6935+57	Sumner St	None	None	Above	Above	Bakersfield	Kern
43	6937+55	Union Ave	None	None	Above	Above	Bakersfield	Kern
44	6941+24	Sumner St	None	None	Above	Above	Bakersfield	Kern
45	6968+46	Baker St	None	None	Above	Above	Bakersfield	Kern
46	6978+20	Beale Ave	None	None	Above	Above	Bakersfield	Kern
47	6997+10	Miller St	None	Closed	Above	Above	Bakersfield	Kern
48	7002+00	Haley St	None	Closed	Above	Above	Bakersfield	Kern
49	7019+18	Truxtun Ave	None	None	Above	Above	Bakersfield	Kern
50	7026+82	Ogden St	None	None	Above	Above	Bakersfield	Kern
51	7038+53	Chamberlain Ave	None	None	Above	Above	Bakersfield	Kern
52	7047+14	Mt. Vernon Ave	None	None	Above	Above	Bakersfield	Kern
53	7054+50	Exchange St	None	None	Above	Above	Bakersfield	Kern
54	7061+20	Webster St	None	None	Above	Above	Bakersfield	Kern



**Table 2-B-3 Railroad Crossings within F-B LGA Footprint**

No.	Approx. F-B LGA Station	RR Xing DOT #	RR	Approx. RR MP	Road Xing RR	Road-Cross Street	Exist RR Xing Type	If Exist At-Grade	Prop. RR Xing Type	Road Realign	Road Network/Flow Changes	Prop. F-B LGA Grade	Prop. F-B LGA Xing Road	Prop. RR Xing Improvement	City and County
1	5883+40	028394Y	BNSF	907.19	Poplar Ave	SR 43	At-Grade	Close	Road Above	Major	Minor	At	Below	Remove At-Grade, Construct Overhead	Shafter/Kern
2	5921+00	028393S	BNSF	906.53	Fresno Ave	SR 43	At-Grade	Close	Road Below	None	None	Above	Above	Remove At-Grade, Construct Underpass	Shafter/Kern
3	5957+00	028392K	BNSF	905.79	Shafter Ave	SR 43	At-Grade	Close	Road Below	Major	Minor	Above	Above	Remove Xing	Shafter/Kern
4	5976+45	028391D	BNSF	905.46	Central Ave	SR 43	At-Grade	Close	Road Below	None	None	Above	Above	Remove At-Grade, Construct Underpass	Shafter/Kern
5	5995+50	028390W	BNSF	905.12	Lerdo Hwy	SR 43	At-Grade	Close	Road Below	None	None	Above	Above	Remove At-Grade, Construct Underpass	Shafter/Kern
6	6033+80	028386G	BNSF	904.41	Los Angeles Ave	SR 43	At-Grade	Close	Road Below	Minor	Minor	At	Above	Remove Xing	Shafter/Kern
7	6075+65	028385A	BNSF	903.71	Riverside St	SR 43	At-Grade	Close	Road Above	Major	Minor	At	Above	Remove At-Grade, Construct Overhead	Shafter/Kern
8	6097+00	028384T	BNSF	903.02	Cherry Ave	SR 43	At-Grade	Remain	At-Grade	None	None	At	Above	Reconstruct At-Grade.	Shafter/Kern
9	6595+00	921215S	UP	306.01	7th Standard Rd	Coffee Rd.	Overhead	Remain	Road Above	Major	Minor	Above	Below	Reconstruct Overhead	Bakersfield/Kern

No.	Approx. F-B LGA Station	RR Xing DOT #	RR	Approx. RR MP	Road Xing RR	Road-Cross Street	Exist RR Xing Type	If Exist At-Grade	Prop. RR Xing Type	Road Realign	Road Network/Flow Changes	Prop. F-B LGA Grade	Prop. F-B LGA Xing Road	Prop. RR Xing Improvement	City and County
10	6997+00	028280L	BNSF	885.39	Sumner/ Miller St	-	At-Grade	Remain	At-Grade	None	Minor	Above	Above	No Change	Bakersfield/ Kern
11	7015+50	750949U	SJVR	313.81	Edison Hwy	-	At-Grade	Remain	At-Grade	None	None	Above	Above	No Change	Bakersfield/ Kern
12	7020+50	750951V	SJVR	314.14	Edison Hwy	-	At-Grade	Remain	At-Grade	None	None	Above	Above	No Change	Bakersfield/ Kern