

## APPENDIX 3.11-B: SAFETY AND SECURITY DATA

## APPENDIX 3.11-B: SAFETY AND SECURITY DATA

**Table 1 Number of Train Accidents and Incidents with Casualties and Property Damages by County, 2011–2015**

County	Accidents			Casualties	
	Total	Type of Accident		Total Fatalities	Total Nonfatal Conditions
		Fatal	Nonfatal		
Merced County	63	24	39	24	28
Madera County	29	9	20	9	24

Source: FRA, 2016a, 2016b, 2016c  
Data are for January 2011 through December 2015.

**Table 2 Types and Causes of Train Accidents by County, 2011-2015**

County	Type of Accident				Cause of Accident				
	Collision <sup>1</sup>	Derailment	Highway Railroad Crossing	Other <sup>2</sup>	Track	Signal	Human Error	Motive Power/ Equipment	Miscellaneous <sup>3</sup>
Merced County	0	1	24	38	0	0	16	0	47
Madera County	0	0	7	22	0	0	6	0	23

Source: FRA, 2016a, 2016b, 2016c  
Data are for January 2011 through December 2015.  
<sup>1</sup> Collision accidents include head-on, rear-end, side, raking, broken-train, or heavy-rail collisions.  
<sup>2</sup> Other accidents include trespassing incidents and activities such as getting on or off equipment, doing maintenance work, throwing switches, setting handbrakes, stumbling and tripping.  
<sup>3</sup> Miscellaneous causes of accidents include all accidents described under other.

**Table 3 At-Grade Crossing Accidents in the Region, 2008–2016**

Cross Street	Railroad	Location	Number of Accidents		Number of Casualties	
			Total	Property Damage Only	Killed	Injured
<b>Merced County</b>						
Private	BNSF	Unincorporated Merced County	2	0	1	1
Buhach Road	BNSF	Unincorporated Merced County	1	0	1	0
R Street	BNSF	City of Merced	2	1	1	0
Bellevue Avenue	BNSF	Unincorporated Merced County	3	2	0	1
Shaffer Road	BNSF	Unincorporated Merced County	3	2	0	3
Private	BNSF	Unincorporated Merced County	3	3	0	0
Winton Way	BNSF	City of Winton	3	0	1	8
Arboleda Drive	BNSF	Unincorporated Merced County	1	1	0	0
Franklin Road	BNSF	Unincorporated Merced County	1	1	0	0

Cross Street	Railroad	Location	Number of Accidents		Number of Casualties	
			Total	Property Damage Only	Killed	Injured
Olive Avenue	BNSF	Unincorporated Merced County	2	1	1	1
U Street	BNSF	City of Merced	1	1	0	0
Plainsburg Road	BNSF	City of Planada	1	1	0	0
El Capitan Way	BNSF	Unincorporated Merced County	3	2	1	0
Private	BNSF	Unincorporated Merced County	2	1	1	1
K Street	BNSF	City of Merced	1	1	0	0
Santa Fe Avenue	BNSF	Unincorporated Merced County	2	2	0	0
Main Street	UPRR	City of Livingston	1	0	1	0
O Street	UPRR	City of Merced	1	0	1	0
S.P. Avenue	UPRR	City of Merced	1	1	0	0
Martin Luther King W.	UPRR	City of Merced	1	1	0	0
Private	UPRR	City of Los Banos	1	1	0	0
Shaffer Road	UPRR	City of Atwater	2	2	0	0
Sandy Mush Road	UPRR	Unincorporated Merced County	1	1	0	0
Vista Road	UPRR	City of Merced	2	2	0	0
3rd Avenue	CFNR	City of Gustine	1	1	0	0
Hunt Road	CFNR	City of Gustine	1	1	0	0
<b>Madera County</b>						
Avenue 12	BNSF	Unincorporated Madera County	4	0	2	6
Avenue 9	BNSF	Unincorporated Madera County	1	0	0	1
Avenue 20 1/2	BNSF	Unincorporated Madera County	3	0	2	2
Avenue 15	BNSF	Unincorporated Madera County	1	0	0	1
Avenue 15 1/2	BNSF	Unincorporated Madera County	1	0	0	1
Private Crossing	BNSF	Unincorporated Madera County	1	0	0	2
Private	BNSF	Unincorporated Madera County	1	1	0	0
Road 28 1/2	BNSF	Unincorporated Madera County	1	0	1	0
Cleveland Ave.	UPRR	City of Madera	2	2	0	0
King Street	UPRR	City of Chowchilla	1	0	0	1
<b>Regional Totals</b>			<b>59</b>	<b>32</b>	<b>14</b>	<b>29</b>

Source: FRA, 2016c

Data are for January 2008 through April 2016.

None of the accidents listed above occurred within 0.5 mile of the Central Valley Wye alternatives' centerlines.

UPRR = Union Pacific Railroad

BNSF = BNSF Railway

CFNR = California Northern Railroad Company

**Table 4 Hospitals Providing Emergency Care to the Resource Study Area**

Name	Location
Mercy Medical Center, Merced	333 Mercy Avenue, Merced, CA 95340
Memorial Hospital Los Banos	520 W I Street, Los Banos, CA 93635
Madera Community Hospital	1250 East Almond Avenue, Madera, CA 93637
Children's Hospital Central California	9300 Valley Children's Place, Madera, CA 93638

Source: California Office of Statewide Health Planning & Development, 2016  
CA = California

**Table 5 Critical Facilities and Infrastructure Providing Emergency Services to the Resource Study Area**

Facility Type	Name	Location	Alternative
Highway Patrol	California Highway Patrol Chowchilla River Inspection Facility (464)	8820 S. SR 99 Le Grand, CA 95333	SR 152 (North) to Road 19 Wye
Correctional Facility	Central California Women's Facility	23370 Road 22 Chowchilla, CA	SR 152 (North) to Road 13 Wye SR 152 (North) to Road 19 Wye SR 152 (North) to Road 11 Wye
Fire Department	Madera County Fire Station #3	25950 Avenue 18 1/2 Madera, CA 93637	All Wye Alternatives
Fire Department	Madera County Fire Station #4	13802 Avenue 21 Chowchilla, CA 93610	Avenue 21 to Road 13 Wye
Fire Department	Madera County Fire Station #5	23370 Road 22 Chowchilla, CA	SR 152 (North) to Road 13 Wye SR 152 (North) to Road 19 Wye SR 152 (North) to Road 11 Wye
Fire Department	Madera County Fire Station #2	112 Trinity Street Chowchilla, CA	All Wye Alternatives
Fire Department	Madera City Fire Department	317 N Lake Street, Madera, CA 93638	All Wye Alternatives
Police Department	Chowchilla Police Department	122 Trinity Avenue, Chowchilla, CA 93610	SR 152 (North) to Road 13 Wye SR 152 (North) to Road 19 Wye SR 152 (North) to Road 11 Wye
Fire Department	Chowchilla Volunteer Fire Department	240 N 1st Street, Chowchilla, CA 93610	SR 152 (North) to Road 13 Wye SR 152 (North) to Road 19 Wye SR 152 (North) to Road 11 Wye
Fire Department	Madera County Fire Department	122 Trinity Avenue, Chowchilla, CA 93610	SR 152 (North) to Road 13 Wye SR 152 (North) to Road 19 Wye SR 152 (North) to Road 11 Wye
Fire Department	Merced County Fire Department #83	10537 CA-59, El Nido, CA 95317	SR 152 (North) to Road 13 Wye SR 152 (North) to Road 19 Wye SR 152 (North) to Road 11 Wye

Facility Type	Name	Location	Alternative
Fire Department	Merced County Fire Department #75	8047 Dairy Lane, Dos Palos, CA 93620	Avenue 21 to Road 13 Wye
Fire Department	City of Los Banos Fire Department	1150 W I Street, Los Banos, CA 93635	All Wye Alternatives
Ambulance Service	Riggs Ambulance Service	100 Riggs Avenue, Merced, CA 95341	SR 152 (North) to Road 13 Wye SR 152 (North) to Road 19 Wye SR 152 (North) to Road 11 Wye
Ambulance Service	Sierra Ambulance Service	40755 Winding Way, Oakhurst, CA 93644	SR 152 (North) to Road 13 Wye SR 152 (North) to Road 19 Wye SR 152 (North) to Road 11 Wye
Ambulance Service	Pistoresi Ambulance Service	113 N R Street, Madera, CA 93637	All Wye Alternatives
Ambulance Service (Air)	Mercy Air	20 Macready Drive, Merced, CA 95341	SR 152 (North) to Road 13 Wye SR 152 (North) to Road 19 Wye SR 152 (North) to Road 11 Wye
Ambulance Service (Air)	SkyLife	5526 E Aircorp Way, Fresno, CA 93727	All Wye Alternatives
Fire Department	City of Merced Fire Department	99 East 16th Street Merced, CA 95340	SR 152 (North) to Road 13 Wye SR 152 (North) to Road 19 Wye SR 152 (North) to Road 11 Wye

Source: Madera County Fire Department, 2016; Merced County 2013  
SR = State Route

## References

FRA Federal Railroad Administration

California Office of Statewide Health Planning & Development. 2016. *List of Hospitals in California, USA*. <http://gis.oshpd.ca.gov/atlas/places/list-of-hospitals> (accessed July 12, 2016).

Federal Railroad Administration (FRA). 2016a. *Table 1.11: One Year Accident/Incident Overview by State/Region/County*. Madera County. 2011-2015. Office of Safety Analysis. <http://safetydata.fra.dot.gov/OfficeofSafety/> (accessed December 21, 2016).

—. 2016b. *Table 1.11: One Year Accident/Incident Overview by State/Region*. Merced County. 2011-2015. Office of Safety Analysis. <http://safetydata.fra.dot.gov/OfficeofSafety/> (accessed December 21, 2016).

—. 2016c. *Table 8.01 – [Highway-Rail Crossing Inventory] Query by Location*. Office of Safety Analysis. <http://safetydata.fra.dot.gov/OfficeofSafety/> (accessed July 19, 2016).

Madera County Fire Department. 2016. Website. Fire Prevention and Suppression. [www.madera-county.com/index.php/departments/links-to-departments/141-fire-department](http://www.madera-county.com/index.php/departments/links-to-departments/141-fire-department) (accessed July 15, 2016).

Merced County. 2013. *2030 Merced County General Plan*. Merced, CA. Adopted December 10, 2013.