



March 1, 2019

## CITY OF MERCED BNSF QUIET ZONE FEASIBILITY STUDY FOR EIGHT CROSSINGS



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## EXECUTIVE SUMMARY

The purpose of City of Merced BNSF rail Quiet Zone Feasibility study is to explore the potential for implementation of a quiet Zone on BNSF Railway corridor for eight crossings within the city of Merced. This study provides for and identifies the most cost-effective Quiet Zone improvements for the City of Merced.

Based on the Diagnostic meeting exhibits were provided and are attached to this report

The following recommendation was made after diagnostic meeting with the following agencies representatives:

- California Public Utilities Commission (CPUC)
- BNSF Railway – Track owner
- AMTRAK – Operator
- City of Merced
- Caltrans – Highway 59
- Federal Railroad Administration (FRA)



## Crossing Information and recommendation:

DRAFT



**Glen Avenue:**



**Glen Avenue - Rail**

DOT # 028667R, CPUC # 002 - 1055.10

Track Speed 79 MPH

Number of trains: Freight 46, AMTRAK 14

Other railroad operator: AMTRAK

Two Tracks

FRA Reported Accidents - None



**Glen Avenue - Traffic**

Posted Speed Limit: 30 MPH

ADT 2016: 6,288

One lane each direction

Closest intersection Control: All Way Stop Sign

Proposed Safety Improvements:

- Installation of Raised Median Island / Barrier
- Update of signing, Striping and Legends
- Update of ADA requirements for sidewalk

DRAFT

## **K Street**



## **K Street – Rail**

DOT # 028670Y

CPUC # 002-1056.00

Track Speed: 79 MPH

Number of trains: Freight 46, AMTRAK 14

Other railroad operator: AMTRAK, and Station close by  
Two Tracks

FRA Reported Accidents – Two Property Damage





### **K Street – Traffic**

Posted Speed limit: 25 MPH

ADT 2016: 1,233

One lane each direction

Proposed Safety Improvements:

- Installation of Raised Median Island / Barrier
- Update of signing, Striping and Legends
- Update of ADA requirements for sidewalk

DRAFT

## **Canal Street**



## **Canal Street- Rail**

DOT # 028671F  
CPUC # 002-1056.10  
Track Speed: 79 MPH  
Number of trains: Freight 46, AMTRAK 14  
Other railroad operator: AMTRAK  
Two Tracks  
FRA Reported Accidents - None





### **Canal Street – Traffic**

Posted Speed limit: 30 MPH

ADT 2016: 1,713

One lane each direction

Proposed Safety Improvements:

- Installation of Raised Median Island / Barrier
- Update of signing, Striping and Legends
- Update of ADA requirements for sidewalk

## **M Street**



### **M Street – Rail**

DOT # 028672M

CPUC # 002-1056.20

Track Speed: 79 MPH

Number of trains: Freight 46, AMTRAK 14

Other railroad operator: AMTRAK

Two Tracks

FRA Reported Accidents - None



### **M Street – Traffic**

Posted Speed limit: 35 MPH

ADT 2016: 17,075

Two lanes each direction and Bike lane

Proposed Safety Improvements:

- Installation of Raised Median Island / Barrier
- Update of signing, Striping and Legends
- Update of ADA requirements for sidewalk



## R Street



### R Street – Rail

DOT # 028673U

CPUC # 002-1056.70

Track Speed: 79 MPH

Number of trains: Freight 46, AMTRAK 14

Other railroad operator: AMTRAK

Two Tracks

FRA Reported Accidents – One Fatality, Six Injury and two Property  
Damage



### **R Street – Traffic**

Posted Speed limit: 35 MPH

ADT 2017: 18,444

Two lanes each direction

Proposed Safety Improvements:

- Installation of Raised Median Island / Barrier
- Update of signing, Striping and Legends
- Update of ADA requirements for sidewalk

DRAFT



## U Street



## U Street – Rail

DOT # 028674B

CPUC # 002-1057.00

Track Speed: 79 MPH

Number of trains: Freight 46, AMTRAK 14

Other railroad operator: AMTRAK

One Track

FRA Reported Accidents – One Injury and one Property Damage





### **U Street – Traffic**

Posted Speed limit: 25 MPH

ADT 2016: 556

One lane each direction

Proposed Safety Improvements:

- Installation of Raised Median Island / Barrier
- Update of signing, Striping and Legends
- Prohibition of Pedestrian crossing the track due to the slope on eastside of the street
- Comply with ADA requirements on the westside due to the slope easement from the railroad may be required

## **Bear Creek Road**



### **Bear Creek Road – Rail**

DOT # 028675H

CPUC # 002-1057.10

Track Speed: 79 MPH

Number of trains: Freight 46, AMTRAK 14

Other railroad operator: AMTRAK

One Track

FRA Reported Accidents – Three Property Damage



### **Bear Creek Road – Traffic**

Posted Speed limit: 35 MPH

ADT 2016: 2,631

One lane each direction

Proposed Safety Improvements:

- Installation of Raised Median Island / Barrier
- Update of signing, Striping and Legends
- No sidewalks
- Widening the road width within vicinity of the railroad
- Redirect pedestrian and bike trail away from the crossing



### **Snelling HWY**



### **Snelling HWY – Rail**

DOT # 028682T

CPUC # 002-1057.70

Track Speed: 79 MPH

Number of trains: Freight 46, AMTRAK 14

Other railroad operator: AMTRAK

One Track

FRA Reported Accidents – Two Fatality, one property Damage



### **Snelling HWY – Traffic**

Posted Speed limit: 40 MPH

ADT 2016: 21,429

One lane each direction by the track

Proposed Safety Improvements:

- Installation of Raised Median Island / Barrier
- Update of signing, Striping and Legends
- No sidewalk

## **NOISE STUDY:**

A noise study was conducted on December 27, 2018 at following locations:

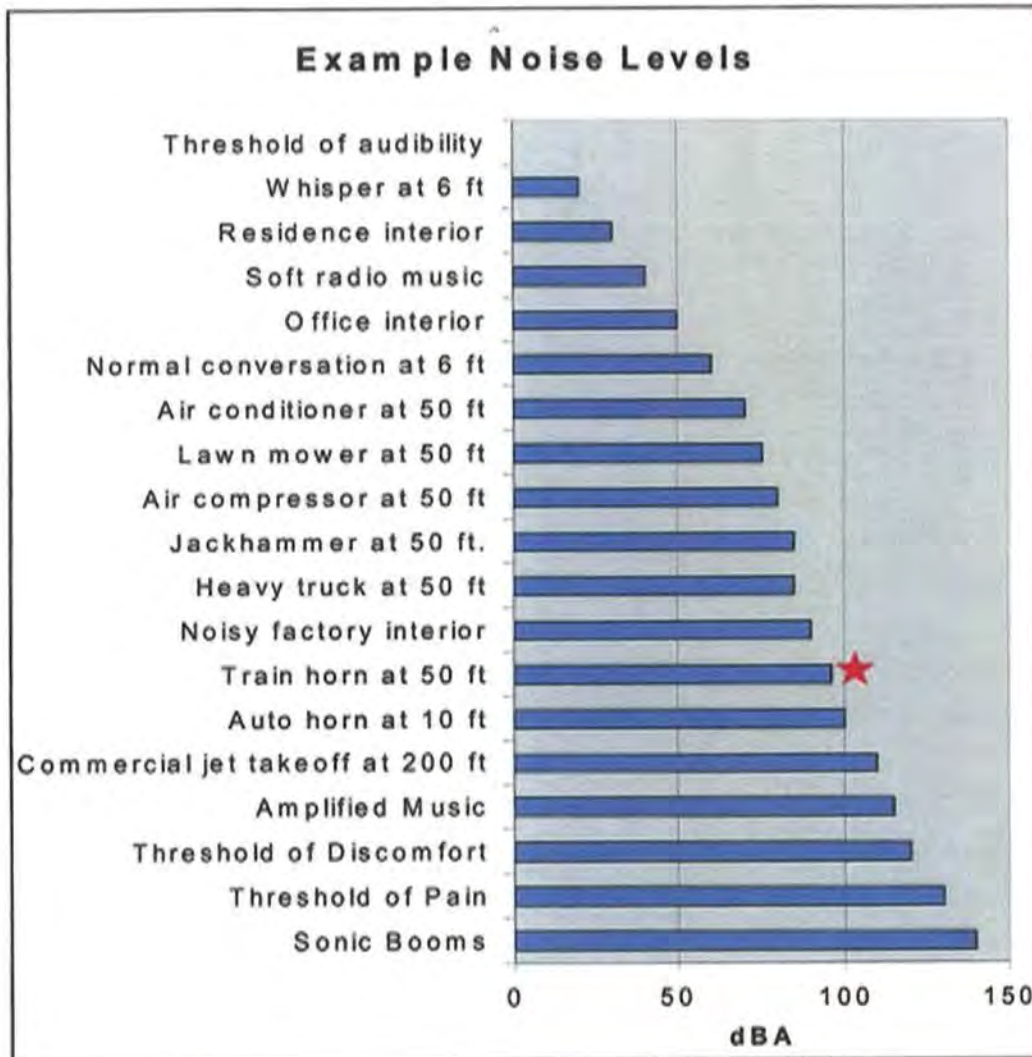
### BNSF Train:

- Q Street approximately 500 feet south of the track @ 9:55 AM 92 dBA
- Q Street approximately 1000 feet south of the track @ 12:26 PM 82 dBA
- P Street approximately 1500 feet south of the track @ 12:07 PM 88 dBA

### AMTRAK Train:

- Glen Avenue north of the track approximately 100 feet @ 9:20 AM @ 98 dBA
- Q Street approximately 1000 feet south of the track @ 12:45 PM 82 dBA





## **PRELIMINARY COST ESTIMATE**

- Flag person: \$1,500.00 - \$2,500.00 per day assuming 150 working days = **\$375,000.00**
- Railroad insurance is required by the railroad when the work is done within the railroad property (contractor to provide)
- Striping Signing per crossing \$2,000.00
- Median Island, sidewalk, tactile \$30,000.00 per crossing
- Traffic Control \$3,000.00 per crossing
- Mobilization \$4,000.00 per crossing
- Clearing grubbing \$3,000.00 per crossing
- Contingency 25 percent of total cost
- Encroachment permit cost- BNSF
- C & M agreement with the railroad - BNSF

**Estimated preliminary cost per crossing: \$175,000.00 to  
\$400,000.00**



## **SUPPLEMENTARY SAFETY MEASURES - QUIET ZONE (SSM):**

### FRA Quiet Zone SSM CODES

- 1- Temporary Closure of a Public Highway-Rail Grade Crossing
- 2- Permanent Closure of a Public Highway-Rail Grade Crossing
- 3- Grade Separation of a Public Highway-Rail Grade Crossing
- 4- Four-Quadrant Gates Upgrade from Two Quadrant gates, No Vehicle Presence Detection
- 5- Four-Quadrant Gates Upgrade from Two Quadrant Gates, with medians and no Vehicle Presence Detection
- 6- Four-Quadrant Gates Upgrade from Two Quadrant Gates, with Vehicle Presence Detection
- 7- Four-Quadrant Gates Upgrade from Two Quadrant Gates, with medians and Vehicle Presence Detection
- 8- Four-Quadrant Gates New Installation, No Vehicle Presence Detection
- 9- Four-Quadrant Gates New Installation with medians and no Vehicle Presence Detection
- 10- Four-Quadrant Gates New Installation with Vehicle Presence Detection
- 11- Four-Quadrant Gates New Installation with medians and Vehicle Presence Detection
- 12- Mountable medians with Reflective Traffic Channelization Devices





### **13- Non-Traversable Curb Medians with or without Channelization Devices**

#### **14- One-Way Streets with Gates**

### **SSM 13 WAS RECOMMENDED FOR THE CITY OF MERCED**

The installation of Raised Median Island is the most cost-effective construction to establish Quiet Zone and will eliminate railroad equipment and other costly installation.

RRM design team recommends that the City consider securing the entire railroad corridor with sound wall/ barrier/fencing to eliminate pedestrian crossing over the track and eliminate transient / homeless population utilizing the railroad property.



## FRA CALCULATION UTILIZING SSM 13 ATTACHMENTS

DRAFT

## **City of Merced Quiet Zone BNSF Railroad – eight crossings**

- Nationwide Significant Risk Threshold (NSRT) **14723.00**
- Risk index With Horn (RIWH) **52908.93**
- **\*\*Quiet Zone Risk index (QZRI) 46020.72 or 42200.75**

**\*\*Qualifies for Quiet Zone\*\***



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Change Scenario: BNSF-2\_53494

[Continue](#)[Create New Zone](#)[Manage Existing Zones](#)[Log Off](#)**Step by Step Instructions:**

**Step 1:** To specify New Warning Device (For Pre-Rule Quiet Zone Only) and/or SSM, click the [MODIFY](#) Button

**Step 2:** Select proposed warning device or SSM. Then click the [UPDATE](#) button. To generate a spreadsheet of the values on this page, click on [ASM](#) button—This spreadsheet can then be used for ASM calculations.

**Step 3:** Repeat Step (2) until the [SELECT](#) button is shown at the bottom right side of this page. Note that the [SELECT](#) button is shown **ONLY** when the Quiet Zone Risk Index falls below the NSRT or the Risk Index with Horn.

**Step 4:** To save the scenario and continue, click the [SELECT](#) button

Crossing	Street	Traffic	Warning Device	Pre-SSM	SSM	Risk	
028667R	GLEN AV	6288	Gates	0	0	60,876.42	<a href="#">MODIFY</a>
028670Y	K st	1233	Gates	0	0	95,498.24	<a href="#">MODIFY</a>
028671F	CANAL ST	1713	Gates	0	0	38,199.79	<a href="#">MODIFY</a>
028672M	M ST	17075	Gates	0	0	71,847.14	<a href="#">MODIFY</a>
028673U	R ST	18444	Gates	0	0	170,694.00	<a href="#">MODIFY</a>
028674B	U STREET	556	Gates	0	0	89,151.53	<a href="#">MODIFY</a>
028675H	BEAR CREEK RD	2631	Gates	0	0	112,927.19	<a href="#">MODIFY</a>
028682T	SNELLING HWY	21429	Gates	0	0	66,822.51	<a href="#">MODIFY</a>

\* Only Public At Grade Crossings are listed.

[Click](#) for [Supplementary Safety Measures \[SSM\]](#)

[Click](#) for ASM spreadsheet: [ASM](#) \* **Note:** The use of ASMs requires an application to and approval from the FRA.

Summary	
<b>Proposed Quiet Zone:</b>	BNSF-2
<b>Type:</b>	New 24-hour QZ
<b>Scenario:</b>	BNSF-2_53494
<b>Estimated Total Cost:</b>	\$0.00
<b>Nationwide Significant Risk Threshold:</b>	14723 .00
<b>Risk Index with Horns:</b>	52908.93
<b>Quiet Zone Risk Index:</b>	88252.1

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Create New Zone

Manage Existing Zones

Log Off

**Step by Step Instructions:**

**Step 1:** To specify New Warning Device (For Pre-Rule Quiet Zone Only) and/or SSM, click the [MODIFY](#) Button

**Step 2:** Select proposed warning device or SSM. Then click the [UPDATE](#) button. To generate a spreadsheet of the values on this page, click on [ASM](#) button—This spreadsheet can then be used for ASM calculations.

**Step 3:** Repeat Step (2) until the [SELECT](#) button is shown at the bottom right side of this page. Note that the [SELECT](#) button is shown ONLY when the Quiet Zone Risk Index falls below the NSRT or the Risk Index with Horn.

**Step 4:** To save the scenario and continue, click the [SELECT](#) button

Crossing	Street	Traffic	Warning Device	Pre-SSM	SSM	Risk	
028670Y	K st	1233	Gates	0	0	95,498.24	<a href="#">MODIFY</a>
028671F	CANAL ST	1713	Gates	0	13	7,639.96	<a href="#">MODIFY</a>
028672M	M ST	17075	Gates	0	13	14,369.43	<a href="#">MODIFY</a>
028673U	R ST	18444	Gates	0	13	34,138.80	<a href="#">MODIFY</a>
028674B	U STREET	556	Gates	0	0	89,151.53	<a href="#">MODIFY</a>
028675H	BEAR CREEK RD	2631	Gates	0	13	22,585.44	<a href="#">MODIFY</a>
028682T	SNELLING HWY	21429	Gates	0	13	13,364.50	<a href="#">MODIFY</a>
028667R	GLEN AV	6283	Gates	0	0	60,858.06	<a href="#">MODIFY</a>

\* Only Public At Grade Crossings are listed.

**ALERT:** Quiet Zone qualifies because QZRI is less than Risk Index with Horns.

[Click](#) for [Supplementary Safety Measures \[SSM\]](#)

[Click](#) for ASM spreadsheet: [ASM](#) \* Note: The use of ASMs requires an application to and approval from the FRA.

Summary	
<b>Proposed Quiet Zone:</b>	Merced-BNSF
<b>Type:</b>	New 24-hour QZ
<b>Scenario:</b>	Merced-BNS_54031
<b>Estimated Total Cost:</b>	\$75,000.00
<b>Nationwide Significant Risk Threshold:</b>	14723 .00
<b>Risk Index with Horns:</b>	52907.56
<b>Quiet Zone Risk Index:</b>	42200.75
<a href="#">Select</a>	

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Change Scenario: MERCED-BNS\_53796

Continue

Create New Zone

Manage Existing Zones

Log Off

**Step by Step Instructions:**

**Step 1:** To specify New Warning Device (For Pre-Rule Quiet Zone Only) and/or SSM, click the **MODIFY** Button

**Step 2:** Select proposed warning device or SSM. Then click the **UPDATE** button. To generate a spreadsheet of the values on this page, click on **ASM** button—This spreadsheet can then be used for ASM calculations.

**Step 3:** Repeat Step (2) until the **SELECT** button is shown at the bottom right side of this page. Note that the **SELECT** button is shown **ONLY** when the Quiet Zone Risk Index falls below the NSRT or the Risk Index with Horn.

**Step 4:** To save the scenario and continue, click the **SELECT** button

Crossing	Street	Traffic	Warning Device	Pre-SSM	SSM	Risk	
028667R	GLEN AV	6283	Gates	0	0	60,858.06	MODIFY
028670Y	K st	1233	Gates	0	0	95,498.24	MODIFY
028671F	CANAL ST	1713	Gates	0	0	38,199.79	MODIFY
028672M	M ST	17075	Gates	0	13	14,369.43	MODIFY
028673U	R ST	18444	Gates	0	13	34,138.80	MODIFY
028674B	U STREET	556	Gates	0	0	89,151.53	MODIFY
028675H	BEAR CREEK RD	2631	Gates	0	13	22,585.44	MODIFY
028682T	SNELLING HWY	21429	Gates	0	13	13,364.50	MODIFY

\* Only Public At Grade Crossings are listed.

**ALERT: Quiet Zone qualifies because QZRI is less than Risk Index with Horns.**

Click for Supplementary Safety Measures [SSM]

Click for ASM spreadsheet: **ASM** \* Note: The use of ASMs requires an application to and approval from the FRA.

Summary	
<b>Proposed Quiet Zone:</b>	Merced-BNSF
<b>Type:</b>	New 24-hour QZ
<b>Scenario:</b>	MERCED-BNS_53796
<b>Estimated Total Cost:</b>	\$60,000.00
<b>Nationwide Significant Risk Threshold:</b>	14723 .00
<b>Risk Index with Horns:</b>	52907.56
<b>Quiet Zone Risk Index:</b>	46020.72
Select	





## CROSSINGS ACCIDENT HISTORY

### FRA reported Accidents

- Glen Avenue – No Accident
- K Street
- Canal Street – No Accident
- M Street - No Accident
- R Street
- U Street
- Bear Creek Road
- Snelling Highway

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>Amtrak (National Railroad Passenger Corporation) [ATK]</b>				1a. Alphabetic Code <b>ATK</b>		1b. Railroad Accident/Incident No. <b>129975</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No.	
4. U.S. DOT Grade Crossing ID No. <b>028670Y</b>				5. Date of Accident/Incident month   day   year <b>0   9   2   1   2013</b>		6. Time of Accident/Incident 1:41 AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision <b>STOCKTON</b>		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>		12. Highway Name or No. <b>"K" STREET</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>					
Highway User Involved				Rail Equipment Involved			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code A				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) A. Train pulling- RCL B. Train pushing- RCL C. Train standing- RCL D. EMU Locomotive(s) E. DMU Locomotive(s) Code 1			
14. Vehicle Speed (est. mph at impact) <b>25</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>4</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing 4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>3</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>80</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>2</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>1</b>			
24. Type of Equipment 1. Freight Train 2. Passenger Train-Pulling (single entry) 3. Commuter Train-Pulling 4. Work Train 5. Single Car 6. Cut of cars 7. Yard/Switching 8. Light loco(s) 9. Maint./inspect. car A. Spec. MoW Equip. B. Passenger Train-Pushing C. Commuter Train-Pushing D. EMU E. DMU Code 2				25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>SINGLE MAIN TRACK</b>	
27. FRA Track Class (1-9,X) <b>4</b>		28. Number of Locomotive Units <b>1</b>		29. Number of Cars <b>5</b>		30. Consist Speed (Recorded speed if available) R. Recorded E. Estimated <b>70 mph E</b>	
32. Type of Crossing 1. Gates 2. Cantilever FLS 3. Standard FLS 4. Wig wags 5. Hwy. traffic signals 6. Audible 7. Crossbucks 8. Stop signs 9. Watchman 10. Flagged by crew 11. Other (specify) 12. None Code(s) <b>01 03 06 07</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code <b>A</b>	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>				36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>2</b>	
38. Highway User's Age 1. Male 2. Female Code		39. Highway User's Gender 1. Male 2. Female Code		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>1</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>1</b>		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 2. Standing railroad equipment 3. Passing Train 4. Topography 5. Vegetation 6. Highway Vehicles 7. Other (specify) 8. Not Obstructed Code <b>8</b>					
Casualties to: Killed Injured		44. Driver was 1. Killed 2. Injured 3. Uninjured <b>3</b>		45. Was Driver in the Vehicle? 1. Yes 2. No Code <b>1</b>			
46. Highway-Rail Crossing Users <b>0 0</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$1,000</b>		48. Total Number of Vehicle Occupants (including driver) <b>1</b>			
49. Railroad Employees <b>0 0</b>		50. Total Number of People on Train (include passengers and train crew) <b>183</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>			
52. Passengers on Train <b>0 0</b>							
53a. Special Study Block Video Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		53b. Special Study Block					
54. Narrative Description (Be specific, and continue on separate sheet if necessary) TRAIN 713 OPERATING WITH LOCOMOTIVE E/66 AND 5 CARS STRUCK AN OCCUPIED VEHICLE AT MP 1056.04, K STREET CROSSING. THE DRIVER OF THE VEHICLE DROVE AWAY FROM THE SCENE.							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report...." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).



DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>BNSF Railway Company [BNSF]</b>				1a. Alphabetic Code <b>BNSF</b>		1b. Railroad Accident/Incident No. <b>NC1098200</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No. <b>NC1098200</b>	
4. U.S. DOT Grade Crossing ID No. <b>028670Y</b>				5. Date of Accident/Incident month   day   year <b>1   0   9   1998</b>		6. Time of Accident/Incident <b>2:10</b> AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city)			12. Highway Name or No. <b>"K" STREET</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>				
Highway User Involved				Rail Equipment Involved			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code A				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) A. Train pulling- RCL B. Train pushing- RCL C. Train standing- RCL D. EMU Locomotive(s) E. DMU Locomotive(s) Code 1			
14. Vehicle Speed (est. mph at impact) <b>0</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>1</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing 4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>2</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>59</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>4</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>1</b>			
24. Type of Equipment 1. Freight Train 2. Passenger Train-Pulling 3. Commuter Train-Pulling 4. Work Train 5. Single Car 6. Cut of cars 7. Yard/Switching 8. Light loco(s) 9. Maint./inspect. car 10. Spec. MoW Equip. 11. Passenger Train-Pushing 12. Commuter Train-Pushing D. EMU E. DMU Code <b>1</b>				25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>MAIN</b>	
27. FRA Track Class (1-9,X) <b>4</b>		28. Number of Locomotive Units <b>3</b>		29. Number of Cars <b>51</b>		30. Consist Speed (Recorded speed if available) R. Recorded <b>60</b> mph E. Estimated Code <b>E</b>	
32. Type of Crossing Warning 1. Gates 2. Cantilever FLS 3. Standard FLS 4. Wig wags 5. Hwy. traffic signals 6. Audible 7. Crossbucks 8. Stop signs 9. Watchman 10. Flagged by crew 11. Other (specify) 12. None Code(s) <b>01</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand, Mud, Dirt, Oil, Gravel F. Water (Standing, Moving) Code	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>				36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>3</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>3</b>	
38. Highway User's Age 1. Male 2. Female Code		39. Highway User's Gender 1. Male 2. Female Code		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>4</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>3</b>		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 2. Standing railroad equipment 3. Passing Train 4. Topography 5. Vegetation 6. Highway Vehicles 7. Other (specify) 8. Not Obstructed Code <b>8</b>		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>2</b>			
46. Highway-Rail Crossing Users 0 0		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$200</b>		48. Total Number of Vehicle Occupants (including driver) <b>0</b>			
49. Railroad Employees 0 0		50. Total Number of People on Train (include passengers and train crew) <b>3</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>			
52. Passengers on Train 0 0							
53a. Special Study Block Video Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input type="checkbox"/> No				53b. Special Study Block			
54. Narrative Description (Be specific, and continue on separate sheet if necessary)							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report...." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).



DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>Amtrak (National Railroad Passenger Corporation) [ATK]</b>				1a. Alphabetic Code <b>ATK</b>		1b. Railroad Accident/Incident No. <b>152267</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No. <b>CA0318202</b>	
4. U.S. DOT Grade Crossing ID No. <b>028673U</b>				5. Date of Accident/Incident month: <b>0</b>   day: <b>3</b>   year: <b>2018</b>		6. Time of Accident/Incident <b>8:45</b> AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision <b>STOCKTON</b>		9. County <b>MERCED</b>		10. State Code Abbr. <b>CA</b>   Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>			12. Highway Name or No. <b>R STREET</b>			Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>	
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>A</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) Code <b>2</b>			
14. Vehicle Speed (est. mph at impact) <b>25</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>4</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing Code <b>3</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>		20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20c. State here the name and quantity of the hazardous material released, if any			
21. Temperature (specify if minus) <b>52</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>2</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>2</b>			
24. Type of Equipment 1. Freight Train 2. Passenger Train-Pulling 3. Commuter Train-Pulling 4. Work Train (single entry) Code <b>B</b>		25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>SINGLE MAIN</b>			
27. FRA Track Class (1-9,X) <b>5</b>		28. Number of Locomotive Units <b>1</b>		29. Number of Cars <b>5</b>		30. Consist Speed (Recorded speed if available) R. Recorded <b>58</b> mph E. Estimated <b>E</b>	
31. Time Table Direction 1. North 2. South 3. East 4. West Code <b>3</b>		32. Type of Crossing 1. Gates 2. Cantilever FLS 3. Standard FLS 4. Wig wags 5. Hwy. traffic signals 6. Audible 7. Crossbucks 8. Stop signs 9. Watchman 10. Flagged by crew 11. Other (specify) 12. None Code(s) <b>01 02 06</b>		33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code <b>A</b>	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>		36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>2</b>			
38. Highway User's Gender 1. Male 2. Female Code <b>1</b>		39. Highway User's Age <b>41</b>		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>1</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>1</b>		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 2. Standing railroad equipment 3. Passing Train 4. Topography 5. Vegetation 6. Highway Vehicles 7. Other (specify) 8. Not Obscured Code <b>8</b>		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>2</b>			
45. Was Driver in the Vehicle? 1. Yes 2. No Code <b>1</b>		46. Highway-Rail Crossing Users Killed <b>0</b> Injured <b>2</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$10,398</b>		48. Total Number of Vehicle Occupants (including driver) <b>2</b>	
49. Railroad Employees <b>0</b>		50. Total Number of People on Train (include passengers and train crew) <b>110</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>1</b>			
52. Passengers on Train <b>0</b>		53a. Special Study Block Video Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		53b. Special Study Block			
54. Narrative Description (Be specific; and continue on separate sheet if necessary) <b>TRAIN 702 OPERATING WITH CAMERA-EQUIPPED CAB CAR 6963 IN THE LEAD. 4 CARS AND LOCOMOTIVE E/2004 IN PUSH MODE, STRUCK AN OCCUPIED AUTOMOBILE AT MP 1056.67, R STREET CROSSING.</b>							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report..." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>BNSF Railway Company [BNSF]</b>				1a. Alphabetic Code <b>BNSF</b>		1b. Railroad Accident/Incident No. <b>CA0312202</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No. <b>CA0312202</b>	
4. U.S. DOT Grade Crossing ID No. <b>028673U</b>				5. Date of Accident/Incident month: <b>0</b>   day: <b>3</b>   year: <b>2012</b>		6. Time of Accident/Incident <b>6:15</b> AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision <b>STOCKTON</b>		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b>   Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>		12. Highway Name or No. <b>R STREET</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>					
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) <b>J</b> Code <b>J</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) A. Train pulling- RCL B. Train pushing- RCL C. Train standing- RCL D. EMU Locomotive(s) E. DMU Locomotive(s) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>50</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>2</b>		18. Position of Car Unit in Train <b>63</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing 4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>3</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>2</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>2</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>48</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>4</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>1</b>			
24. Type of Equipment 1. Freight Train 2. Passenger Train-Pulling 3. Commuter Train-Pulling 4. Work Train 5. Single Car 6. Cut of cars 7. Yard/Switching 8. Light loco(s) 9. Maint./inspect. car A. Spec. MoW Equip. B. Passenger Train-Pushing C. Commuter Train-Pushing D. EMU E. DMU Code <b>1</b>				25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>SINGLE MAIN</b>	
27. FRA Track Class (1-9,X) <b>4</b>		28. Number of Locomotive Units <b>6</b>		29. Number of Cars <b>77</b>		30. Consist Speed (Recorded speed if available) R. Recorded <b>54</b> mph E. Estimated Code <b>R</b>	
32. Type of Crossing 1. Gates 2. Cantilever FLS 3. Standard FLS 4. Wig wags 5. Hwy. traffic signals 6. Audible 7. Crossbucks 8. Stop signs 9. Watchman 10. Flagged by crew 11. Other (specify) 12. None Code(s) <b>01 02</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code <b>A</b>	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>				36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>1</b>	
38. Highway User's Age 1. Male 2. Female Code <b>1</b>		39. Highway User's Gender 1. Male 2. Female Code <b>1</b>		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>7</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>1</b>		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 2. Standing railroad equipment 3. Passing Train 4. Topography 5. Vegetation 6. Highway Vehicles 7. Other (specify) 8. Not Obscured Code <b>8</b>					
Casualties to: <b>Killed 1 Injured 0</b>		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>1</b>		45. Was Driver in the Vehicle? 1. Yes 2. No Code <b>1</b>			
46. Highway-Rail Crossing Users <b>1 0</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$2,000</b>		48. Total Number of Vehicle Occupants (including driver) <b>1</b>			
49. Railroad Employees <b>0 0</b>		50. Total Number of People on Train (include passengers and train crew) <b>3</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>			
52. Passengers on Train <b>0 0</b>							
53a. Special Study Block Video Taken? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		53b. Special Study Block					
54. Narrative Description (Be specific, and continue on separate sheet if necessary)							
55. Typed Name and Title				56. Signature		57. Date	



DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>BNSF Railway Company [BNSF]</b>				1a. Alphabetic Code <b>BNSF</b>		1b. Railroad Accident/Incident No. <b>CA1208200</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No. <b>CA1208200</b>	
4. U.S. DOT Grade Crossing ID No. <b>028673U</b>				5. Date of Accident/Incident month: <b>1</b> day: <b>2</b> year: <b>2008</b>		6. Time of Accident/Incident <b>10:01</b> AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>			12. Highway Name or No. <b>"R" STREET</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>				
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>A</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>0</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>1</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing 4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>2</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>2</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>41</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>4</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>2</b>			
24. Type of Equipment (single entry) 1. Freight Train 2. Passenger Train-Pulling 3. Commuter Train-Pulling 4. Work Train 5. Single Car 6. Cut of cars 7. Yard/Switching 8. Light loco(s) 9. Maint./inspect. car A. Spec. MoW Equip. B. Passenger Train-Pushing C. Commuter Train-Pushing D. EMU E. DMU Code <b>1</b>				25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>MAIN</b>	
27. FRA Track Class (1-9,X) <b>5</b>		28. Number of Locomotive Units <b>8</b>		29. Number of Cars <b>48</b>		30. Consist Speed (Recorded speed if available) R. Recorded E. Estimated <b>50 mph</b> Code <b>E</b>	
32. Type of Crossing Warning 1. Gates 2. Cantilever FLS 3. Standard FLS 4. Wig wags 5. Hwy. traffic signals 6. Audible 7. Crossbucks 8. Stop signs 9. Watchman 10. Flagged by crew 11. Other (specify) 12. None Code(s) <b>01 03</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>				36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>2</b>	
38. Highway User's Age 1. Male 2. Female Code <b>1</b>		39. Highway User's Gender 1. Male 2. Female Code <b>1</b>		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>4</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>2</b>				43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 2. Standing railroad equipment 3. Passing Train 4. Topography 5. Vegetation 6. Highway Vehicles 7. Other (specify) 8. Not Obstructed Code <b>8</b>			
Casualties to:		Killed		Injured		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>3</b>	
46. Highway-Rail Crossing Users		<b>0</b>		<b>0</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$5,000</b>	
49. Railroad Employees		<b>0</b>		<b>0</b>		48. Total Number of Vehicle Occupants (including driver) <b>0</b>	
52. Passengers on Train		<b>0</b>		<b>0</b>		50. Total Number of People on Train (include passengers and train crew) <b>2</b>	
53a. Special Study Block Video Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input type="checkbox"/> No				53b. Special Study Block			
54. Narrative Description (Be specific, and continue on separate sheet if necessary) AGE OF DRIVER UNKNOWN							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report..." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).



DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>Amtrak (National Railroad Passenger Corporation) [ATK]</b>				1a. Alphabetic Code <b>ATK</b>		1b. Railroad Accident/Incident No. <b>092438</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No. <b>XXX</b>	
4. U.S. DOT Grade Crossing ID No. <b>028673U</b>				5. Date of Accident/Incident month   day   year <b>0   5   1   7   2004</b>		6. Time of Accident/Incident <b>10:24</b> AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>			12. Highway Name or No. <b>FAU947: "R" STREET</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>				
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>M</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>15</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>2</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing Code <b>3</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>		20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20c. State here the name and quantity of the hazardous material released, if any			
21. Temperature (specify if minus) <b>75</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>2</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>1</b>			
24. Type of Equipment 1. Freight Train 2. Passenger Train-Pulling 3. Commuter Train-Pulling 4. Work Train (single entry)		25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>MAIN TRACK</b>		27. FRA Track Class (1-9,X) <b>4</b>	
28. Number of Locomotive Units <b>1</b>		29. Number of Cars <b>4</b>		30. Consist Speed (Recorded speed if available) R. Recorded E. Estimated <b>60 mph</b> Code <b>E</b>		31. Time Table Direction 1. North 2. South 3. East 4. West Code <b>3</b>	
32. Type of Crossing Warning 1. Gates 2. Cantilever FLS 3. Standard FLS 4. Wig wags 5. Hwy. traffic signals 6. Audible 7. Crossbucks 8. Stop signs 9. Watchman 10. Flagged by crew 11. Other (specify) 12. None Code(s) <b>01 03</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>3</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>		36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>3</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>3</b>			
38. Highway User's Age <b>41</b>		39. Highway User's Gender 1. Male 2. Female Code <b>2</b>		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>1</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>2</b>		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 2. Standing railroad equipment 3. Passing Train 4. Topography 5. Vegetation 6. Highway Vehicles 7. Other (specify) 8. Not Obstructed Code <b>8</b>					
44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>2</b>		45. Was Driver in the Vehicle? 1. Yes 2. No Code <b>1</b>					
46. Highway-Rail Crossing Users Killed <b>0</b> Injured <b>1</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$600</b>		48. Total Number of Vehicle Occupants (including driver) <b>1</b>			
49. Railroad Employees <b>0</b>		50. Total Number of People on Train (include passengers and train crew) <b>153</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>			
52. Passengers on Train <b>0</b>		53a. Special Study Block Video Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input type="checkbox"/> No					
53b. Special Study Block		54. Narrative Description (Be specific, and continue on separate sheet if necessary) <b>TRAIN NO. 712 OPERATING WITH LOCOMOTIVE 193 AND 4 CARS STRUCK A PEDESTRIAN ON A BICYCLE AT MP1056.68, R STREET CROSSING.</b>					
55. Typed Name and Title				56. Signature		57. Date	

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>BNSF Railway Company [BNSF]</b>				1a. Alphabetic Code <b>BNSF</b>		1b. Railroad Accident/Incident No. <b>NC0204202</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No. <b>NC0204202</b>	
4. U.S. DOT Grade Crossing ID No. <b>028673U</b>				5. Date of Accident/Incident month: 0   2   day: 2   4   year: 2004		6. Time of Accident/Incident 3:18 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision		9. County <b>MERCED</b>		10. State Abbr: <b>CA</b> Code: <b>06</b>	
11. City (if in a city) <b>MERCED</b>			12. Highway Name or No. <b>R STREET</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>				
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>A</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) A. Train pulling- RCL B. Train pushing- RCL C. Train standing- RCL D. EMU Locomotive(s) E. DMU Locomotive(s) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>10</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>4</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing 4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>3</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>45</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>4</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>2</b>			
24. Type of Equipment 1. Freight Train 5. Single Car 9. Maint./inspect. car D. EMU Consist 2. Passenger Train-Pulling 6. Cut of cars A. Spec. MoW Equip. E. DMU (single entry) 3. Commuter Train-Pulling 7. Yard/Switching B. Passenger Train-Pushing 4. Work Train 8. Light loco(s) C. Commuter Train-Pushing Code <b>1</b>				25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>SINGLE MAIN</b>	
27. FRA Track Class (1-9,X) <b>5</b>		28. Number of Locomotive Units <b>1</b>		29. Number of Cars <b>36</b>		30. Consist Speed (Recorded speed if available) R. Recorded <b>39</b> mph E. Estimated Code <b>R</b>	
32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew Warning 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>01 02</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>				36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>3</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>1</b>	
38. Highway User's Age <b>15</b>		39. Highway User's Gender 1. Male 2. Female Code <b>2</b>		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>1</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>2</b>				43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify) 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obscured Code <b>8</b>			
Casualties to:		Killed		Injured		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>2</b>	
46. Highway-Rail Crossing Users <b>1</b>				47. Highway Vehicle Property Damage (est. dollar damage) <b>\$2,000</b>		48. Total Number of Vehicle Occupants (including driver) <b>1</b>	
49. Railroad Employees				50. Total Number of People on Train (include passengers and train crew) <b>4</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>	
52. Passengers on Train							
53a. Special Study Block Video Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input type="checkbox"/> No				53b. Special Study Block			
54. Narrative Description (Be specific, and continue on separate sheet if necessary)							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report..." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>BNSF Railway Company [BNSF]</b>				1a. Alphabetic Code <b>BNSF</b>		1b. Railroad Accident/Incident No. <b>NC0802201</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No. <b>NC0802201</b>	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No. <b>NC0802201</b>	
4. U.S. DOT Grade Crossing ID No. <b>028673U</b>				5. Date of Accident/Incident month   day   year <b>0   8   2   3   2002</b>		6. Time of Accident/Incident 6:00 AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>			12. Highway Name or No. <b>"R" ST</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>				
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>K</b>				17. Equipment 1. Train (units pulling) 5. Car(s) (standing) A. Train pulling- RCL 2. Train (units pushing) 6. Light loco(s) (moving) B. Train pushing- RCL 3. Train (standing) 7. Light loco(s) (standing) C. Train standing- RCL 8. Other (specify) E. DMU Locomotive(s) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact)		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>4</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 4. Trapped on crossing by traffic 2. Stopped on Crossing 5. Blocked on crossing by gates 3. Moving over crossing Code <b>3</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>87</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>2</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>1</b>			
24. Type of Equipment 1. Freight Train 5. Single Car 9. Maint./inspect. car D. EMU Consist 2. Passenger Train-Pulling 6. Cut of cars A. Spec. MoW Equip. E. DMU (single entry) 3. Commuter Train-Pulling 7. Yard/Switching B. Passenger Train-Pushing 4. Work Train 8. Light loco(s) C. Commuter Train-Pushing Code <b>1</b>				25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>MAIN</b>	
27. FRA Track Class (1-9,X) <b>5</b>		28. Number of Locomotive Units <b>3</b>		29. Number of Cars <b>57</b>		30. Consist Speed (Recorded speed if available) R. Recorded <b>59</b> mph E. Estimated <b>E</b>	
32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew Warning 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>01 03</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>				36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>3</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>1</b>	
38. Highway User's Age <b>15</b>		39. Highway User's Gender 1. Male 2. Female Code <b>2</b>		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code		41. Highway User 1. Went around the gate 5. Other (specify) 2. Stopped and then proceeded 6. Went around/thru temporary barricade (if yes, see instructions) 3. Did not stop 7. Went thru the gate 4. Stopped on crossing 8. Suicide/Attempted suicide Code	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code				43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify) 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obstructed Code <b>8</b>			
Casualties to:		Killed		Injured		44. Driver was 1. Killed 2. Injured 3. Uninjured	
46. Highway-Rail Crossing Users <b>0</b>		<b>1</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$0</b>		48. Total Number of Vehicle Occupants (including driver) <b>1</b>	
49. Railroad Employees <b>0</b>		<b>0</b>		50. Total Number of People on Train (include passengers and train crew) <b>3</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>	
52. Passengers on Train <b>0</b>		<b>0</b>					
53a. Special Study Block Video Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input type="checkbox"/> No				53b. Special Study Block			
54. Narrative Description (Be specific, and continue on separate sheet if necessary)							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report...." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).



DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>Atchison, Topeka &amp; Santa Fe Railway Company [ATSF]</b>				1a. Alphabetic Code <b>ATSF</b>		1b. Railroad Accident/Incident No. <b>120695200</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>Atchison, Topeka &amp; Santa Fe Railway Company [ATSF]</b>				3a. Alphabetic Code <b>ATSF</b>		3b. Railroad Accident/Incident No. <b>120695200</b>	
4. U.S. DOT Grade Crossing ID No. <b>028673U</b>				5. Date of Accident/Incident month: <b>0</b> day: <b>6</b> year: <b>01</b> <b>1995</b>		6. Time of Accident/Incident <b>5:10</b> AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision <b>MERCED</b>		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>			12. Highway Name or No. <b>'R' STREET</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>				
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>A</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) A. Train pulling- RCL B. Train pushing- RCL C. Train standing- RCL D. EMU Locomotive(s) E. DMU Locomotive(s) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>20</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>4</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing 4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>3</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>82</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>2</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>2</b>			
24. Type of Equipment 1. Freight Train 5. Single Car 9. Maint./inspect. car D. EMU Consist 2. Passenger Train-Pulling 6. Cut of cars A. Spec. MoW Equip. E. DMU (single entry) 3. Commuter Train-Pulling 7. Yard/Switching B. Passenger Train-Pushing 4. Work Train 8. Light loco(s) C. Commuter Train-Pushing Code <b>1</b>				25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>SINGLE MAIN TRACK</b>	
27. FRA Track Class (1-9,X) <b>5</b>		28. Number of Locomotive Units <b>1</b>		29. Number of Cars <b>1</b>		30. Consist Speed (Recorded speed if available) R. Recorded E. Estimated <b>30 mph</b> Code <b>E</b>	
32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew Warning 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>01</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>			36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>3</b>		
38. Highway User's Age 1. Male 2. Female Code		39. Highway User's Gender 1. Male 2. Female Code		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>1</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>2</b>		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify) 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obscured Code <b>8</b>					
Casualties to: Killed Injured		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>3</b>		45. Was Driver in the Vehicle? 1. Yes 2. No Code <b>1</b>			
46. Highway-Rail Crossing Users 0 1		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$1,000</b>		48. Total Number of Vehicle Occupants (including driver) <b>2</b>			
49. Railroad Employees 0 0		50. Total Number of People on Train (include passengers and train crew)		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>			
52. Passengers on Train 0 0							
53a. Special Study Block Video Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input type="checkbox"/> No				53b. Special Study Block			
54. Narrative Description (Be specific, and continue on separate sheet if necessary)							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report..." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>Atchison, Topeka &amp; Santa Fe Railway Company [ATSF]</b>				1a. Alphabetic Code <b>ATSF</b>		1b. Railroad Accident/Incident No. <b>21035422</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry)				3a. Alphabetic Code		3b. Railroad Accident/Incident No.	
4. U.S. DOT Grade Crossing ID No. <b>028673U</b>				5. Date of Accident/Incident month: <b>0</b>   day: <b>3</b>   year: <b>1975</b>		6. Time of Accident/Incident <b>3:46</b> AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>			12. Highway Name or No. <b>R STREET</b>			Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>	
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>A</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>25</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>1</b>		18. Position of Car Unit in Train <b>40</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing 4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>3</b>				19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>2</b>			
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>40</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>4</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>1</b>			
24. Type of Equipment 1. Freight Train 2. Passenger Train-Pulling 3. Commuter Train-Pulling 4. Work Train 5. Single Car 6. Cut of cars 7. Yard/Switching 8. Light loco(s) 9. Maint./inspect. car A. Spec. MoW Equip. B. Passenger Train-Pushing C. Commuter Train-Pushing D. EMU E. DMU Code <b>1</b>		25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>MAIN LINE</b>			
27. FRA Track Class (1-9,X) <b>3</b>		28. Number of Locomotive Units <b>3</b>		29. Number of Cars <b>85</b>		30. Consist Speed (Recorded speed if available) R. Recorded <b>30 mph</b> E. Estimated Code <b>R</b>	
31. Time Table Direction 1. North 3. East 2. South 4. West Code <b>3</b>		32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>01 03</b>		33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>		36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>1</b>			
38. Highway User's Age 1. Male 2. Female Code		39. Highway User's Gender 1. Male 2. Female Code		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>1</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>2</b>		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify) 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obscured Code <b>8</b>		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>3</b>			
45. Was Driver in the Vehicle? 1. Yes 2. No Code <b>1</b>		46. Highway-Rail Crossing Users Killed <b>0</b> Injured <b>0</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$800</b>		48. Total Number of Vehicle Occupants (including driver) <b>1</b>	
49. Railroad Employees <b>0</b>		50. Total Number of People on Train (include passengers and train crew) <b>0</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>			
52. Passengers on Train <b>0</b>		53a. Special Study Block Video Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input type="checkbox"/> No		53b. Special Study Block			
54. Narrative Description (Be specific, and continue on separate sheet if necessary)							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report..." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).



DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>Amtrak (National Railroad Passenger Corporation) [ATK]</b>				1a. Alphabetic Code <b>ATK</b>		1b. Railroad Accident/Incident No. <b>146521</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No. <b>CA0217203</b>	
4. U.S. DOT Grade Crossing ID No. <b>028674B</b>				5. Date of Accident/Incident month: 0   2   day: 2   7   year: 2017		6. Time of Accident/Incident 11:26 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision <b>STOCKTON</b>		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>		12. Highway Name or No. <b>"I" STREET</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>					
Highway User Involved				Rail Equipment Involved			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>E</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>25</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>3</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing 4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>3</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>55</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>2</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>1</b>			
24. Type of Equipment 1. Freight Train 5. Single Car 9. Maint./inspect. car D. EMU Consist 2. Passenger Train-Pulling 6. Cut of cars A. Spec. MoW Equip. E. DMU (single entry) 3. Commuter Train-Pulling 7. Yard/Switching B. Passenger Train-Pushing 4. Work Train 8. Light loco(s) C. Commuter Train-Pushing Code <b>2</b>				25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>SINGLE MAIN</b>	
27. FRA Track Class (1-9,X) <b>4</b>		28. Number of Locomotive Units <b>1</b>		29. Number of Cars <b>6</b>		30. Consist Speed (Recorded speed if available) R. Recorded E. Estimated <b>69 mph</b> Code <b>E</b>	
32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew Warning 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>01 03 06 07</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code <b>A</b>	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>				36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>2</b>	
38. Highway User's Age <b>42</b>		39. Highway User's Gender 1. Male 2. Female Code <b>2</b>		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>5</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>2</b>		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify) 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obscured Code <b>8</b>					
Casualties to:		Killed		Injured		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>2</b>	
46. Highway-Rail Crossing Users <b>0</b>		<b>1</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$20,000</b>		48. Total Number of Vehicle Occupants (including driver) <b>2</b>	
49. Railroad Employees <b>0</b>		<b>0</b>		50. Total Number of People on Train (include passengers and train crew) <b>65</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>	
52. Passengers on Train <b>0</b>		<b>0</b>					
53a. Special Study Block Video Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				53b. Special Study Block			
54. Narrative Description (Be specific, and continue on separate sheet if necessary) TRAIN 713 OPERATING WITH LOCOMOTIVE E/C2012 AND 6 CARS STRUCK AN OCCUPIED VEHICLE AT MP 1056.97, "I" STREET CROSSING.							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report..." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).



DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>BNSF Railway Company [BNSF]</b>				1a. Alphabetic Code <b>BNSF</b>		1b. Railroad Accident/Incident No. <b>CA1011207</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance <i>(single entry)</i> <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No. <b>CA1011207</b>	
4. U.S. DOT Grade Crossing ID No. <b>028674B</b>				5. Date of Accident/Incident month   day   year <b>1   0   2   2   2011</b>		6. Time of Accident/Incident 4:20 AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision <b>STOCKTON</b>		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City <i>(if in a city)</i> <b>MERCED</b>				12. Highway Name or No. <b>"I" STREET</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>			
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other <i>(specify)</i> Code <b>M</b>				17. Equipment 1. Train <i>(units pulling)</i> 5. Car(s) <i>(standing)</i> 2. Train <i>(units pushing)</i> 6. Light loco(s) <i>(moving)</i> 3. Train <i>(standing)</i> 7. Light loco(s) <i>(standing)</i> 8. Other <i>(specify)</i> Code <b>1</b>			
14. Vehicle Speed <i>(est. mph at impact)</i> <b>1</b>		15. Direction <i>(geographical)</i> 1. North 2. South 3. East 4. West Code <b>2</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 4. Trapped on crossing by traffic 2. Stopped on Crossing 5. Blocked on crossing by gates 3. Moving over crossing Code <b>3</b>		19. Circumstance Code 1. Rail equipment struck highway user 2. Rail equipment struck by highway user <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>2</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature <i>(specify if minus)</i> <b>85</b> °F		22. Visibility <i>(single entry)</i> 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>2</b>		23. Weather <i>(single entry)</i> 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>1</b>			
24. Type of Equipment 1. Freight Train 5. Single Car 9. Maint./inspect. car D. EMU Consist 2. Passenger Train-Pulling 6. Cut of cars A. Spec. MoW Equip. E. DMU <i>(single entry)</i> 3. Commuter Train-Pulling 7. Yard/Switching B. Passenger Train-Pushing Code 4. Work Train 8. Light loco(s) C. Commuter Train-Pushing <b>1</b>				25. Track Type Used by Rail Equipment Involved Code 1. Main 2. Yard 3. Siding 4. Industry <b>1</b>		26. Track Number or Name <b>SINGLE MAIN TRK</b>	
27. FRA Track Class (1-9,X) <b>5</b>		28. Number of Locomotive Units <b>6</b>		29. Number of Cars <b>106</b>		30. Consist Speed <i>(Recorded speed if available)</i> R. Recorded <b>27 mph</b> E. Estimated	
32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew Warning 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other <i>(specify)</i> 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>01 03</b>				33. Signaled Crossing Warning <i>(See reverse side for instructions and codes)</i> Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code <b>A</b>	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>				36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>2</b>	
38. Highway User's Age 1. Male 2. Female Code <b>1</b>		39. Highway User's Gender 1. Male 2. Female Code <b>1</b>		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other <i>(specify)</i> 6. Went around/thru temporary barricade <i>(if yes, see instructions)</i> 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>1</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>2</b>		43. View of Track Obscured by <i>(primary obstruction)</i> 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other <i>(specify)</i> 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obstructed Code <b>8</b>					
Casualties to: Killed Injured		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>3</b>		45. Was Driver in the Vehicle? 1. Yes 2. No Code <b>1</b>			
46. Highway-Rail Crossing Users 0 0		47. Highway Vehicle Property Damage <i>(est. dollar damage)</i> \$100		48. Total Number of Vehicle Occupants <i>(including driver)</i> 1			
49. Railroad Employees 0 0		50. Total Number of People on Train <i>(include passengers and train crew)</i> 4		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>			
52. Passengers on Train 0 0							
53a. Special Study Block Video Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		53b. Special Study Block					
54. Narrative Description <i>(Be specific, and continue on separate sheet if necessary)</i> DRIVER AGE UNKNOWN, 13; M= BICYCLE							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report...." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>BNSF Railway Company [BNSF]</b>				1a. Alphabetic Code <b>BNSF</b>		1b. Railroad Accident/Incident No. <b>CA0816205</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>BNSF Railway Company [BNSF]</b>				3a. Alphabetic Code <b>BNSF</b>		3b. Railroad Accident/Incident No. <b>CA0816205</b>	
4. U.S. DOT Grade Crossing ID No. <b>028675H</b>				5. Date of Accident/Incident month   day   year <b>0   8   1   7   2016</b>		6. Time of Accident/Incident 2:14 AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision <b>STOCKTON</b>		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>		12. Highway Name or No. <b>BEAR CREEK RD</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>					
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>A</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>8</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>1</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing Code <b>3</b>		4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>3</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>			
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>2</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>98</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>2</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Steel 6. Snow Code <b>1</b>			
24. Type of Equipment 1. Freight Train 2. Passenger Train-Pulling 3. Commuter Train-Pulling 4. Work Train (single entry)		5. Single Car 6. Cut of cars 7. Yard/Switching 8. Light loco(s) Code <b>1</b>		9. Maint./inspect. car A. Spec. MoW Equip. B. Passenger Train-Pushing C. Commuter Train-Pushing Code <b>1</b>		25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>	
26. Track Number or Name <b>SINGLE MAIN</b>		30. Consist Speed (Recorded speed if available) R. Recorded E. Estimated <b>59 mph</b>		31. Time Table Direction 1. North 3. East 2. South 4. West Code <b>4</b>		32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>01 03</b>	
27. FRA Track Class (1-9,X) <b>5</b>		28. Number of Locomotive Units <b>4</b>		29. Number of Cars <b>25</b>		33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>	
34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code <b>A</b>		35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>		36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>1</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>2</b>	
38. Highway User's Age <b>47</b>		39. Highway User's Gender 1. Male 2. Female Code <b>1</b>		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>1</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>2</b>		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 2. Standing railroad equipment 3. Passing Train 4. Topography 5. Vegetation 6. Highway Vehicles 7. Other (specify) 8. Not Obscured Code <b>8</b>		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>3</b>		45. Was Driver in the Vehicle? 1. Yes 2. No Code <b>1</b>	
46. Highway-Rail Crossing Users Killed <b>0</b> Injured <b>0</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$2,000</b>		48. Total Number of Vehicle Occupants (including driver) <b>1</b>		49. Railroad Employees <b>0</b>	
50. Passengers on Train <b>0</b>		51. Total Number of People on Train (include passengers and train crew) <b>2</b>		52. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>		53a. Special Study Block Video Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
54. Narrative Description (Be specific, and continue on separate sheet if necessary)							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report..." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).



DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>Atchison, Topeka &amp; Santa Fe Railway Company [ATSF]</b>				1a. Alphabetic Code <b>ATSF</b>		1b. Railroad Accident/Incident No. <b>321181207</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>Atchison, Topeka &amp; Santa Fe Railway Company [ATSF]</b>				3a. Alphabetic Code <b>ATSF</b>		3b. Railroad Accident/Incident No. <b>321181207</b>	
4. U.S. DOT Grade Crossing ID No. <b>028675H</b>				5. Date of Accident/Incident month   day   year <b>1   1   2   7   1981</b>		6. Time of Accident/Incident 5:50 AM <input type="checkbox"/> PM <input checked="" type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>		12. Highway Name or No. <b>BEAR CREEK RD</b> Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>					
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>B</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) A. Train pulling- RCL B. Train pushing- RCL C. Train standing- RCL D. EMU Locomotive(s) E. DMU Locomotive(s) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>0</b>		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>4</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing 4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>2</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>46</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>4</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>3</b>			
24. Type of Equipment 1. Freight Train 5. Single Car 9. Maint./inspect. car D. EMU Consist 2. Passenger Train-Pulling 6. Cut of cars A. Spec. MoW Equip. E. DMU (single entry) 3. Commuter Train-Pulling 7. Yard/Switching B. Passenger Train-Pushing 4. Work Train 8. Light loco(s) C. Commuter Train-Pushing Code <b>1</b>				25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>SINGLE MAIN LINE</b>	
27. FRA Track Class (1-9,X) <b>3</b>		28. Number of Locomotive Units <b>3</b>		29. Number of Cars <b>39</b>		30. Consist Speed (Recorded speed if available) R. Recorded E. Estimated <b>30 mph   E</b>	
32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew Warning 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>01   03</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>				36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>3</b>	
38. Highway User's Age 1. Male 2. Female Code		39. Highway User's Gender 1. Male 2. Female Code		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went under the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>4</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>2</b>				43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify) 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obscured Code <b>8</b>			
Casualties to:		Killed		Injured		44. Driver was 1. Killed 2. Injured 3. Uninjured <b>3</b>	
46. Highway-Rail Crossing Users <b>0</b>		<b>0</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$1,000</b>		45. Was Driver in the Vehicle? 1. Yes 2. No Code <b>2</b>	
49. Railroad Employees <b>0</b>		<b>0</b>		50. Total Number of People on Train (include passengers and train crew)		48. Total Number of Vehicle Occupants (including driver) <b>0</b>	
52. Passengers on Train <b>0</b>		<b>0</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>			
53a. Special Study Block Video Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input type="checkbox"/> No				53b. Special Study Block			
54. Narrative Description (Be specific, and continue on separate sheet if necessary)							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report..." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).



DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

HIGHWAY-RAIL GRADE CROSSING  
ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

1. Name of Reporting Railroad <b>Atchison, Topeka &amp; Santa Fe Railway Company [ATSF]</b>				1a. Alphabetic Code <b>ATSF</b>		1b. Railroad Accident/Incident No. <b>43115412</b>	
2. Name of Other Railroad or Other Entity Filing for Equipment Involved in Train Accident/Incident				2a. Alphabetic Code		2b. Railroad Accident/Incident No.	
3. Name of Railroad or Other Entity Responsible for Track Maintenance (single entry) <b>Atchison, Topeka &amp; Santa Fe Railway Company [ATSF]</b>				3a. Alphabetic Code <b>ATSF</b>		3b. Railroad Accident/Incident No. <b>43115412</b>	
4. U.S. DOT Grade Crossing ID No. <b>028675H</b>				5. Date of Accident/Incident month: 1   1   day: 1   4   year: 1975		6. Time of Accident/Incident 1:30 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	
7. Nearest Railroad Station <b>MERCED</b>		8. Subdivision		9. County <b>MERCED</b>		10. State Abbr. <b>CA</b> Code <b>06</b>	
11. City (if in a city) <b>MERCED</b>			12. Highway Name or No. <b>BRIDGE 2-1057.13 NEA</b>				Public <input checked="" type="checkbox"/> Private <input type="checkbox"/>
<b>Highway User Involved</b>				<b>Rail Equipment Involved</b>			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>A</b>				17. Equipment 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing) 4. Car(s) (moving) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing) 8. Other (specify) A. Train pulling- RCL B. Train pushing- RCL C. Train standing- RCL D. EMU Locomotive(s) E. DMU Locomotive(s) Code <b>1</b>			
14. Vehicle Speed (est. mph at impact)		15. Direction (geographical) 1. North 2. South 3. East 4. West Code <b>4</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled or stuck on crossing 2. Stopped on Crossing 3. Moving over crossing 4. Trapped on crossing by traffic 5. Blocked on crossing by gates Code <b>2</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>				20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code			
20c. State here the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>29</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>4</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>1</b>			
24. Type of Equipment 1. Freight Train 5. Single Car 9. Maint./inspect. car D. EMU Consist 2. Passenger Train-Pulling 6. Cut of cars A. Spec. MoW Equip. E. DMU (single entry) 3. Commuter Train-Pulling 7. Yard/Switching B. Passenger Train-Pushing 4. Work Train 5. Light loco(s) C. Commuter Train-Pushing Code <b>1</b>				25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>SINGLE MAIN LINE</b>	
27. FRA Track Class (1-9,X) <b>3</b>		28. Number of Locomotive Units <b>3</b>		29. Number of Cars <b>111</b>		30. Consist Speed (Recorded speed if available) R. Recorded <b>30</b> mph E. Estimated Code <b>R</b>	
32. Type of Crossing 1. Gates 4. Wtg wags 7. Crossbucks 10. Flagged by crew Warning 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>03</b>				33. Signaled Crossing Warning (See reverse side for instructions and codes) Code <b>1</b>		34. Roadway Conditions A. Dry B. Wet C. Snow/Slush D. Ice E. Sand/Mud/Dirt/Oil/Gravel F. Water (Standing, Moving) Code	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>				36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>3</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>3</b>	
38. Highway User's Age 1. Male 2. Female Code		39. Highway User's Gender 1. Male 2. Female Code		40. Highway User Went Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code <b>2</b>		41. Highway User 1. Went around the gate 2. Stopped and then proceeded 3. Did not stop 4. Stopped on crossing 5. Other (specify) 6. Went around/thru temporary barricade (if yes, see instructions) 7. Went thru the gate 8. Suicide/Attempted suicide Code <b>4</b>	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code <b>2</b>		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify) 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obscured Code <b>8</b>					
Casualties to:		Killed		Injured		44. Driver was 1. Killed 2. Injured 3. Uninjured Code <b>3</b>	
46. Highway-Rail Crossing Users <b>0</b>		<b>0</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$1,000</b>		48. Total Number of Vehicle Occupants (including driver) <b>0</b>	
49. Railroad Employees <b>0</b>		<b>0</b>		50. Total Number of People on Train (include passengers and train crew)		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>	
52. Passengers on Train <b>0</b>		<b>0</b>					
53a. Special Study Block Video Taken? <input type="checkbox"/> Yes <input type="checkbox"/> No Video Used? <input type="checkbox"/> Yes <input type="checkbox"/> No				53b. Special Study Block			
54. Narrative Description (Be specific, and continue on separate sheet if necessary)							
55. Typed Name and Title				56. Signature		57. Date	

NOTE: This report is part of the reporting railroad's accident report pursuant to the accident reports statute and, as such shall not "be admitted as evidence or used for any purpose in any suit or action for damages growing out of any matter mentioned in said report..." 49 U.S.C. 20903. See 49 C.F.R. 225.7 (b).

## HIGHWAY-RAIL GRADE CROSSING

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

## ACCIDENT/INCIDENT REPORT

OMB Approval No. 2130-0500

Name Of				Alphabetic Code		RR Accident/Incident No.	
1. Reporting Railroad <b>BNSF Railway Company [BNSF]</b>				1a. <b>BNSF</b>		1b. <b>NC0903200</b>	
2. Other Railroad Involved in Train Accident/Incident				2a.		2b.	
3. Railroad Responsible for Track Maintenance <b>BNSF Railway Company [BNSF]</b>				3a. <b>BNSF</b>		3b. <b>NC0903200</b>	
4. U.S. DOT-AAR Grade Crossing ID No. <b>028682T</b>				5. Date of Accident/Incident <b>09/12/03</b>		6. Time of Accident/Incident <b>12:08 PM</b>	
7. Nearest Railroad Station <b>MERCED</b>		8. Division <b>NORTHERN CALIF</b>		9. County <b>MERCED</b>		10. State Abbr. <b>06</b> Code <b>CA</b>	
11. City (if in a city)		12. Highway Name or No. <b>SNELLING HWY</b>		<input checked="" type="checkbox"/> Public <input type="checkbox"/> Private			
Highway User Involved				Rail Equipment Involved			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle Code A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) <b>B</b>				17. Equipment 4. Car(s) (moving) 8. Other (specify) Code 1. Train (units pulling) 5. Car(s) (standing) A. Train pulling- RCL 2. Train (units pushing) 6. Light loco(s) (moving) B. Train pushing- RCL 3. Train (standing) 7. Light loco(s) (standing) C. Train standing- RCL <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>10</b>		15. Direction (geographical) Code 1. North 2. South 3. East 4. West <b>1</b>		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled on crossing 3. Moving over crossing Code 2. Stopped on Crossing 4. Trapped <b>3</b>		19. Circumstance 1. Rail equipment struck highway user Code 2. Rail equipment struck by highway user <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? Code 1. Highway User 2. Rail Equipment 3. Both 4. Neither <b>2</b>		20b. Was there a hazardous materials release by Code 1. Highway User 2. Rail Equipment 3. Both 4. Neither <b>4</b>					
20c. State the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>90</b> °F		22. Visibility (single entry) Code 1. Dawn 2. Day 3. Dusk 4. Dark <b>2</b>		23. Weather (single entry) Code 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow <b>1</b>			
24. Type of Equipment Consist 1. Freight train 4. Work train 7. Yard/Switching (single entry) 2. Passenger train 5. Single car 8. Light loco(s) Code 3. Commuter train 6. Cut of cars 9. Main./inspect. car <b>1</b>		25. Track Type Used by Rail Equipment Involved Code 1. Main 2. Yard 3. Siding 4. Industry <b>1</b>		26. Track Number or Name <b>SINGLE MAIN</b>			
27. FRA Track Class <b>5</b>		28. Number of Locomotive Units <b>3</b>		29. Number of Cars <b>48</b>		30. Consist Speed (Recorded if available) Code R. Recorded <b>65</b> mph <b>E</b> E. Estimated	
31. Time Table Direction Code 1. North 2. South 3. East 4. West <b>4</b>		32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) Warning 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>01</b> <b>03</b>		33. Signaled Crossing Warning <b>Allgd. warn &gt; 60 sec (2);</b>		34. Whistle Ban Code 1. Yes 2. No 3. Unknown <b>2</b>	
35. Location of Warning Code 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach <b>1</b>		36. Crossing Warning Interconnected with Highway Signals Code 1. Yes 2. No 3. Unknown		37. Crossing Illuminated by Street Lights or Special Lights Code 1. Yes 2. No 3. Unknown <b>2</b>			
38. Driver's Age <b>35</b>		39. Driver's Gender Code 1. Male 2. Female <b>2</b>		40. Driver Drove Behind or in Front of Train and Struck or was Struck by Second Train Code 1. Yes 2. No 3. Unknown <b>2</b>		41. Driver Code 1. Drove around or thru the gate 4. Stopped on crossing 2. Stopped and then proceeded 5. Other (specify) 3. Did not stop <b>1</b>	
42. Driver Passed Standing Highway Vehicle Code 1. Yes 2. No 3. Unknown <b>1</b>		43. View of Track Obscured by (primary obstruction) Code 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify) 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obstructed <b>6</b>					
Casualties to:		Killed		Injured		44. Driver was Code 1. Killed 2. Injured 3. Uninjured <b>1</b>	
45. Was Driver in the Vehicle? Code 1. Yes 2. No <b>1</b>		46. Highway-Rail Crossing Users <b>1</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$30,000</b>		48. Total Number of Highway-Rail Crossing Users (include driver) <b>1</b>	
49. Railroad Employees		50. Total Number of People on Train (include passengers and crew) <b>2</b>		51. Is a Rail Equipment Accident / Incident Report Being Filed Code 1. Yes 2. No <b>2</b>			
52. Passengers on Train		53a. Special Study Block		53b. Special Study Block			
54. Narrative Description							
55. Typed Name and Title		56. Signature				57. Date	



## HIGHWAY-RAIL GRADE CROSSING

## DEPARTMENT OF TRANSPORTATION

## ACCIDENT/INCIDENT REPORT

FEDERAL RAILROAD ADMINISTRATION (FRA)

OMB Approval No. 2130-0500

Name Of				Alphabetic Code		RR Accident/Incident No.	
1. Reporting Railroad <b>Atchison, Topeka &amp; Santa Fe Railway Company</b>				1a. <b>ATSF</b>		1b. <b>121294202</b>	
2. Other Railroad Involved in Train Accident/Incident				2a.		2b.	
3. Railroad Responsible for Track Maintenance <b>Atchison, Topeka &amp; Santa Fe Railway Company</b>				3a. <b>ATSF</b>		3b. <b>121294202</b>	
4. U.S. DOT-AAR Grade Crossing ID No. <b>028682T</b>				5. Date of Accident/Incident <b>12/13/94</b>		6. Time of Accident/Incident <b>12:12 AM</b>	
7. Nearest Railroad Station <b>MERCED</b>		8. Division		9. County <b>MERCED</b>		10. State Abbr. <b>06</b> Code <b>CA</b>	
11. City (if in a city) <b>MERCED</b>		12. Highway Name or No. <b>SNELLING HIGHWAY</b> <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private					
Highway User Involved				Rail Equipment Involved			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) Code <b>K</b>				17. Equipment 1. Train (units pulling) 4. Car(s) (moving) 8. Other (specify) 2. Train (units pushing) 5. Car(s) (standing) A. Train pulling- RCL 3. Train (standing) 6. Light loco(s) (moving) B. Train pushing- RCL 7. Light loco(s) (standing) C. Train standing- RCL Code <b>1</b>			
14. Vehicle Speed (est. mph at impact)		15. Direction (geographical) 1. North 2. South 3. East 4. West Code		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled on crossing 3. Moving over crossing 2. Stopped on Crossing 4. Trapped Code <b>3</b>		19. Circumstance 1. Rail equipment struck highway user 2. Rail equipment struck by highway user Code <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code <b>4</b>		20b. Was there a hazardous materials release by 1. Highway User 2. Rail Equipment 3. Both 4. Neither Code					
20c. State the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>50</b> °F		22. Visibility (single entry) 1. Dawn 2. Day 3. Dusk 4. Dark Code <b>4</b>		23. Weather (single entry) 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow Code <b>2</b>			
24. Type of Equipment Consist 1. Freight train 4. Work train 7. Yard/Switching (single entry) 2. Passenger train 5. Single car 8. Light loco(s) 3. Commuter train 6. Cut of cars 9. Main/inspect. car Code <b>1</b>		25. Track Type Used by Rail Equipment Involved 1. Main 2. Yard 3. Siding 4. Industry Code <b>1</b>		26. Track Number or Name <b>SINGLE MAIN TRACK</b>			
27. FRA Track Class <b>5</b>		28. Number of Locomotive Units <b>2</b>		29. Number of Cars <b>19</b>		30. Consist Speed (Recorded if available) R. Recorded <b>50</b> mph E. Estimated <b>E</b>	
31. Time Table Direction 1. North 2. South 3. East 4. West Code <b>3</b>		32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) Warning 3. Standard FLS 6. Audible 9. Watchman 12. None Code(s) <b>03</b>		33. Signaled Crossing Warning <b>20 sec warn min (1);</b>		34. Whistle Ban 1. Yes 2. No 3. Unknown Code	
35. Location of Warning 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach Code <b>1</b>		36. Crossing Warning Interconnected with Highway Signals 1. Yes 2. No 3. Unknown Code <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights 1. Yes 2. No 3. Unknown Code <b>3</b>			
38. Driver's Age		39. Driver's Gender 1. Male 2. Female Code		40. Driver Drove Behind or in Front of Train and Struck or was Struck by Second Train 1. Yes 2. No 3. Unknown Code		41. Driver 1. Drove around or thru the gate 4. Stopped on crossing 2. Stopped and then proceeded 5. Other (specify) 3. Did not stop Code	
42. Driver Passed Standing Highway Vehicle 1. Yes 2. No 3. Unknown Code		43. View of Track Obscured by (primary obstruction) 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify) 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obstructed Code <b>8</b>					
Casualties to:		Killed		Injured		44. Driver was 1. Killed 2. Injured 3. Uninjured Code	
46. Highway-Rail Crossing Users <b>1</b>		<b>0</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$0</b>		48. Total Number of Highway-Rail Crossing Users (include driver) <b>0</b>	
49. Railroad Employees <b>0</b>		<b>0</b>		50. Total Number of People on Train (include passengers and crew)		51. Is a Rail Equipment Accident / Incident Report Being Filed 1. Yes 2. No Code <b>2</b>	
52. Passengers on Train <b>0</b>		<b>0</b>					
53a. Special Study Block				53b. Special Study Block			
54. Narrative Description							
55. Typed Name and Title				56. Signature			
				57. Date			



## HIGHWAY-RAIL GRADE CROSSING

## DEPARTMENT OF TRANSPORTATION

## ACCIDENT/INCIDENT REPORT

FEDERAL RAILROAD ADMINISTRATION (FRA)

OMB Approval No. 2130-0500

Name Of				Alphabetic Code		RR Accident/Incident No.	
1. Reporting Railroad <b>Atchison, Topeka &amp; Santa Fe Railway Company</b>				1a. <b>ATSF</b>		1b. <b>32039201</b>	
2. Other Railroad Involved in Train Accident/Incident				2a.		2b.	
3. Railroad Responsible for Track Maintenance <b>Atchison, Topeka &amp; Santa Fe Railway Company</b>				3a. <b>ATSF</b>		3b. <b>32039201</b>	
4. U.S. DOT-AAR Grade Crossing ID No. <b>028682T</b>				5. Date of Accident/Incident <b>03/03/79</b>		6. Time of Accident/Incident <b>01:20 AM</b>	
7. Nearest Railroad Station <b>MERCED</b>		8. Division		9. County <b>MERCED</b>		10. State Code Abbr. <b>06</b> <b>CA</b>	
11. City (if in a city) <b>MERCED</b>		12. Highway Name or No. <b>SNELLING HIGHWAY</b> <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private					
Highway User Involved				Rail Equipment Involved			
13. Type C. Truck-trailer F. Bus J. Other Motor Vehicle Code A. Auto D. Pick-up truck G. School Bus K. Pedestrian B. Truck E. Van H. Motorcycle M. Other (specify) <b>H</b>				17. Equipment 4. Car(s) (moving) 8. Other (specify) Code 1. Train (units pulling) 5. Car(s) (standing) A. Train pulling- RCL 2. Train (units pushing) 6. Light loco(s) (moving) B. Train pushing- RCL 3. Train (standing) 7. Light loco(s) (standing) C. Train standing- RCL <b>1</b>			
14. Vehicle Speed (est. mph at impact) <b>0</b>		15. Direction (geographical) Code 1. North 2. South 3. East 4. West		18. Position of Car Unit in Train <b>1</b>			
16. Position 1. Stalled on crossing 3. Moving over crossing Code 2. Stopped on Crossing 4. Trapped <b>2</b>		19. Circumstance 1. Rail equipment struck highway user Code 2. Rail equipment struck by highway user <b>1</b>					
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials? Code 1. Highway User 2. Rail Equipment 3. Both 4. Neither <b>4</b>		20b. Was there a hazardous materials release by Code 1. Highway User 2. Rail Equipment 3. Both 4. Neither					
20c. State the name and quantity of the hazardous material released, if any							
21. Temperature (specify if minus) <b>52</b> °F		22. Visibility (single entry) Code 1. Dawn 2. Day 3. Dusk 4. Dark <b>4</b>		23. Weather (single entry) Code 1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow <b>1</b>			
24. Type of Equipment A. Spec. MoW Equip Consist 1. Freight train 4. Work train 7. Yard/Switching (single entry) 2. Passenger train 5. Single car 8. Light loco(s) Code 3. Commuter train 6. Cut of cars 9. Main/inspect. car <b>1</b>		25. Track Type Used by Rail Equipment Involved Code 1. Main 2. Yard 3. Siding 4. Industry <b>1</b>		26. Track Number or Name <b>SINGLE MAIN LINE</b>			
27. FRA Track Class <b>3</b>		28. Number of Locomotive Units <b>3</b>		29. Number of Cars <b>58</b>		30. Consist Speed (Recorded if available) Code R. Recorded <b>35</b> mph <b>E</b>	
31. Time Table Direction Code 1. North 2. South 3. East 4. West <b>4</b>		32. Type of Crossing 1. Gates 4. Wig wags 7. Crossbucks 10. Flagged by crew 2. Cantilever FLS 5. Hwy. traffic signals 8. Stop signs 11. Other (specify) Warning 3. Standard FLS 6. Audible 9. Watchman 12. None		33. Signaled Crossing Warning <b>20 sec warn min (1);</b>		34. Whistle Ban Code 1. Yes 2. No 3. Unknown	
35. Location of Warning Code 1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach <b>1</b>		36. Crossing Warning Interconnected with Highway Signals Code 1. Yes 2. No 3. Unknown <b>2</b>		37. Crossing Illuminated by Street Lights or Special Lights Code 1. Yes 2. No 3. Unknown <b>3</b>			
38. Driver's Age		39. Driver's Gender Code 1. Male 2. Female		40. Driver Drove Behind or in Front of Train and Struck or was Struck by Second Train Code 1. Yes 2. No 3. Unknown <b>2</b>		41. Driver Code 1. Drove around or thru the gate 4. Stopped on crossing 2. Stopped and then proceeded 5. Other (specify) 3. Did not stop <b>4</b>	
42. Driver Passed Standing Highway Vehicle Code 1. Yes 2. No 3. Unknown <b>2</b>		43. View of Track Obscured by (primary obstruction) Code 1. Permanent Structure 3. Passing Train 5. Vegetation 7. Other (specify) 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obstructed <b>8</b>					
Casualties to:		Killed		Injured		44. Driver was Code 1. Killed 2. Injured 3. Uninjured <b>3</b>	
46. Highway-Rail Crossing Users <b>0</b>		<b>0</b>		47. Highway Vehicle Property Damage (est. dollar damage) <b>\$4,000</b>		48. Total Number of Highway-Rail Crossing Users (include driver) <b>1</b>	
49. Railroad Employees <b>0</b>		<b>0</b>		50. Total Number of People on Train (include passengers and crew)		51. Is a Rail Equipment Accident / Incident Report Being Filed Code 1. Yes 2. No <b>2</b>	
52. Passengers on Train <b>0</b>		<b>0</b>					
53a. Special Study Block				53b. Special Study Block			
54. Narrative Description							
55. Typed Name and Title				56. Signature		57. Date	

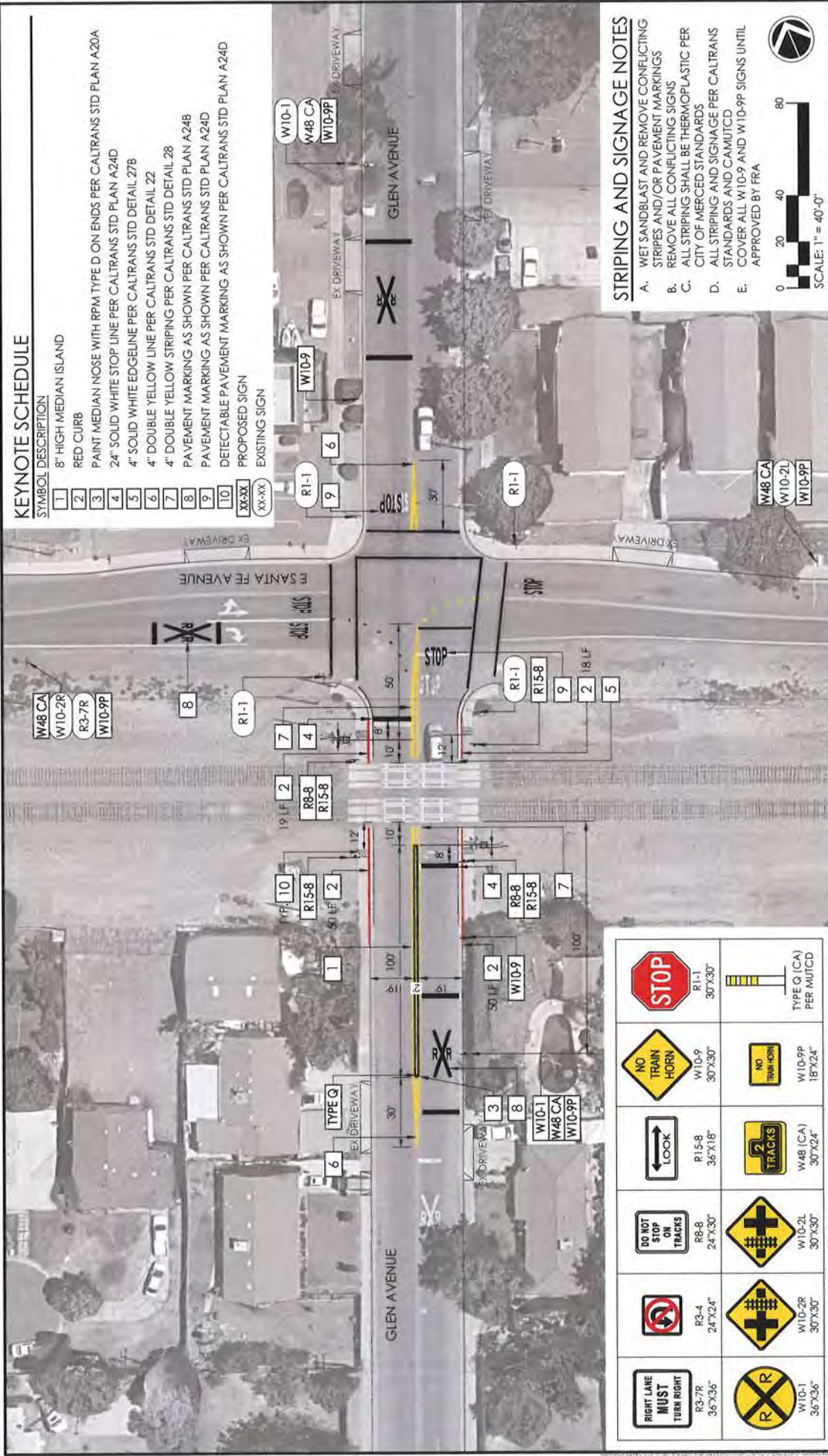
## CROSSINGS EXHIBITS

- Glen Avenue (2 exhibits)
- K Street
- Canal Street
- M Street
- R Street
- U Street
- Bear Creek Road
- Snelling Highway



# KEYNOTE SCHEDULE

SYMBOL	DESCRIPTION
1	8" HIGH MEDIAN ISLAND
2	RED CURB
3	PAINT MEDIAN NOSE WITH RPM TYPE D ON ENDS PER CALTRANS STD PLAN A20A
4	24" SOLID WHITE STOP LINE PER CALTRANS STD PLAN A24D
5	4" SOLID WHITE EDGELINE PER CALTRANS STD DETAIL 27B
6	4" DOUBLE YELLOW LINE PER CALTRANS STD DETAIL 22
7	4" DOUBLE YELLOW STRIPING PER CALTRANS STD DETAIL 28
8	PAVEMENT MARKING AS SHOWN PER CALTRANS STD PLAN A24B
9	PAVEMENT MARKING AS SHOWN PER CALTRANS STD PLAN A24D
10	DETECTABLE PAVEMENT MARKING AS SHOWN PER CALTRANS STD PLAN A24D
XX-XX	PROPOSED SIGN
XX-XX	EXISTING SIGN



**STRIPING AND SIGNAGE NOTES**

- A. WET SANDBLAST AND REMOVE CONFLICTING STRIPES AND/OR PAVEMENT MARKINGS
- B. REMOVE ALL CONFLICTING SIGNS
- C. ALL STRIPING SHALL BE THERMOPLASTIC PER CITY OF MERCED STANDARDS
- D. ALL STRIPING AND SIGNAGE PER CALTRANS STANDARDS AND CAMUTICD
- E. COVER ALL W10-9 AND W10-9P SIGNS UNTIL APPROVED BY FRA

SCALE: 1" = 40'-0"

## Merced Railroad Quiet Zone Feasibility Study

CPUC NO. 002-1055.10  
DOT NO. 028667R  
Glen Avenue  
January 21, 2019



irrm design group  
1801 N. 1st Street, Suite 200  
San Jose, CA 95131  
(408) 281-7900

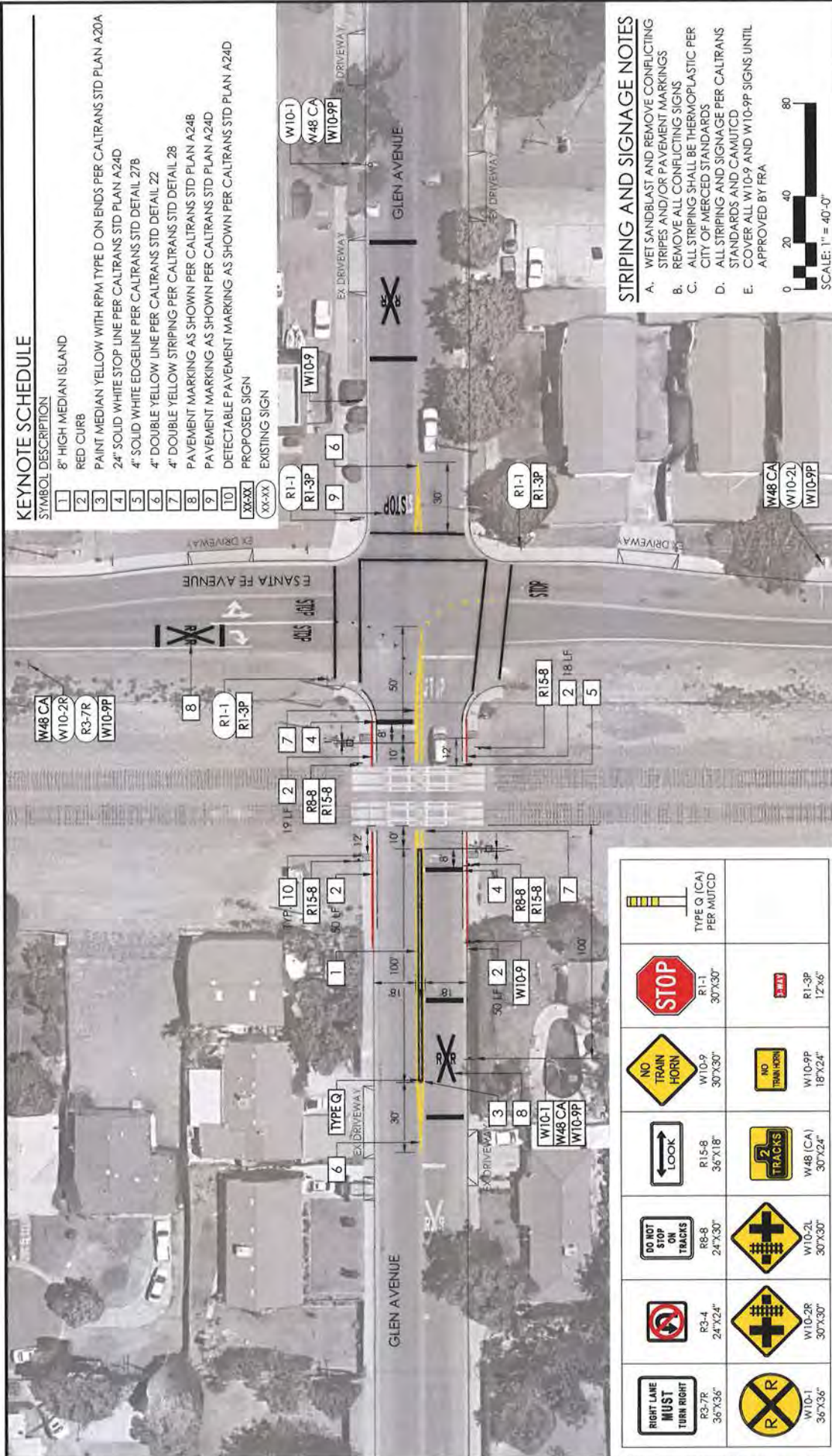


	R3-7R 36"x36"
	R8-8 24"x30"
	R15-8 36"x18"
	W10-9 30"x30"
	R1-1 30"x30"
	W10-1 36"x36"
	W48 (CA) 30"x24"
	W10-2L 30"x30"
	W10-2R 30"x30"
	TYPE Q (CA) PER MUTCD



# KEYNOTE SCHEDULE

SYMBOL	DESCRIPTION
1	8" HIGH MEDIAN ISLAND
2	RED CURB
3	PAINT MEDIAN YELLOW WITH RPM TYPE D ON ENDS PER CALTRANS STD PLAN A20A
4	24" SOLID WHITE STOP LINE PER CALTRANS STD PLAN A24D
5	4" SOLID WHITE EDGELINE PER CALTRANS STD DETAIL 27B
6	4" DOUBLE YELLOW LINE PER CALTRANS STD DETAIL 22
7	4" DOUBLE YELLOW STRIPING PER CALTRANS STD DETAIL 28
8	PAVEMENT MARKING AS SHOWN PER CALTRANS STD PLAN A24B
9	PAVEMENT MARKING AS SHOWN PER CALTRANS STD PLAN A24D
10	DETECTABLE PAVEMENT MARKING AS SHOWN PER CALTRANS STD PLAN A24D
XX-XX	PROPOSED SIGN
XX-XX	EXISTING SIGN



## STRIPING AND SIGNAGE NOTES

- WET SANDBLAST AND REMOVE CONFLICTING STRIPES AND/OR PAVEMENT MARKINGS
- REMOVE ALL CONFLICTING SIGNS
- ALL STRIPING SHALL BE THERMOPLASTIC PER CITY OF MERCED STANDARDS
- ALL STRIPING AND SIGNAGE PER CALTRANS STANDARDS AND CAMUTCD
- COVER ALL W10-9 AND W10-9P SIGNS UNTIL APPROVED BY FRA

0 20 40 80  
SCALE: 1" = 40'-0"

## Merced Railroad Quiet Zone Feasibility Study

CPUC NO. 002-1055.10 (3-Way Stop Version) Glen Avenue  
DOT NO. 028667R

January 21, 2019



irmdesign.com | (949) 361-7950  
52332 Camino Capistrano, Suite 205  
San Juan Capistrano, CA 92675



	R3-7P 36"x36"
	R3-4 24"x24"
	R8-8 24"x30"
	R15-8 36"x18"
	W10-9 30"x30"
	TYPE Q (CA) PER MUTCD
	W10-1 36"x36"
	W10-2L 30"x30"
	W10-9P 18"x24"
	W10-9P 12"x6"

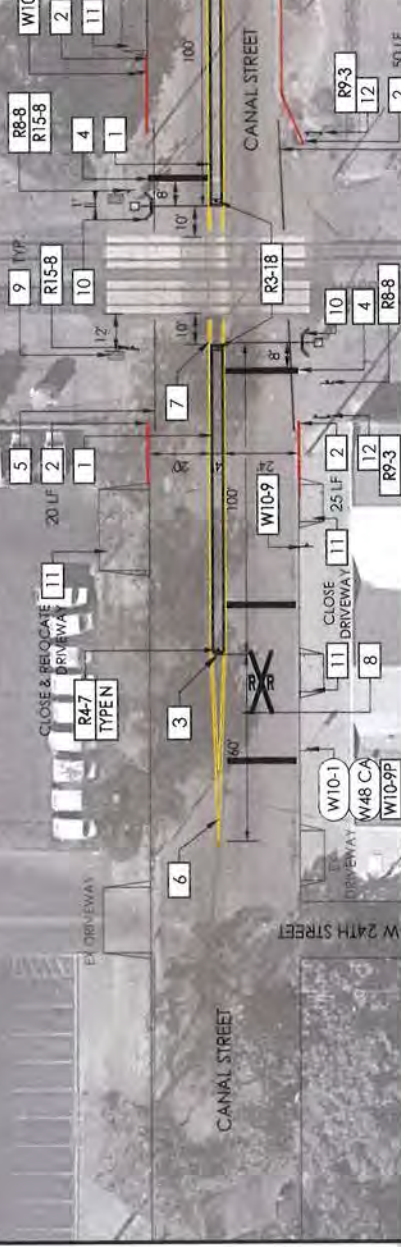






## SYMBOL DESCRIPTION

	PROPOSED SIGN	EXISTING SIGN
XX-XX		



- A. WET SANDBLAST AND REMOVE CONFLICTING STRIPES AND/OR PAVEMENT MARKINGS
- B. REMOVE ALL CONFLICTING SIGNS
- C. ALL STRIPING SHALL BE THERMOPLASTIC PER CITY OF MERCED STANDARDS
- D. ALL STRIPING AND SIGNAGE PER CALTRANS STANDARDS AND CAMUTCD
- E. COVER ALL W10-9 AND W10-9P SIGNS UNTIL APPROVED BY FRA

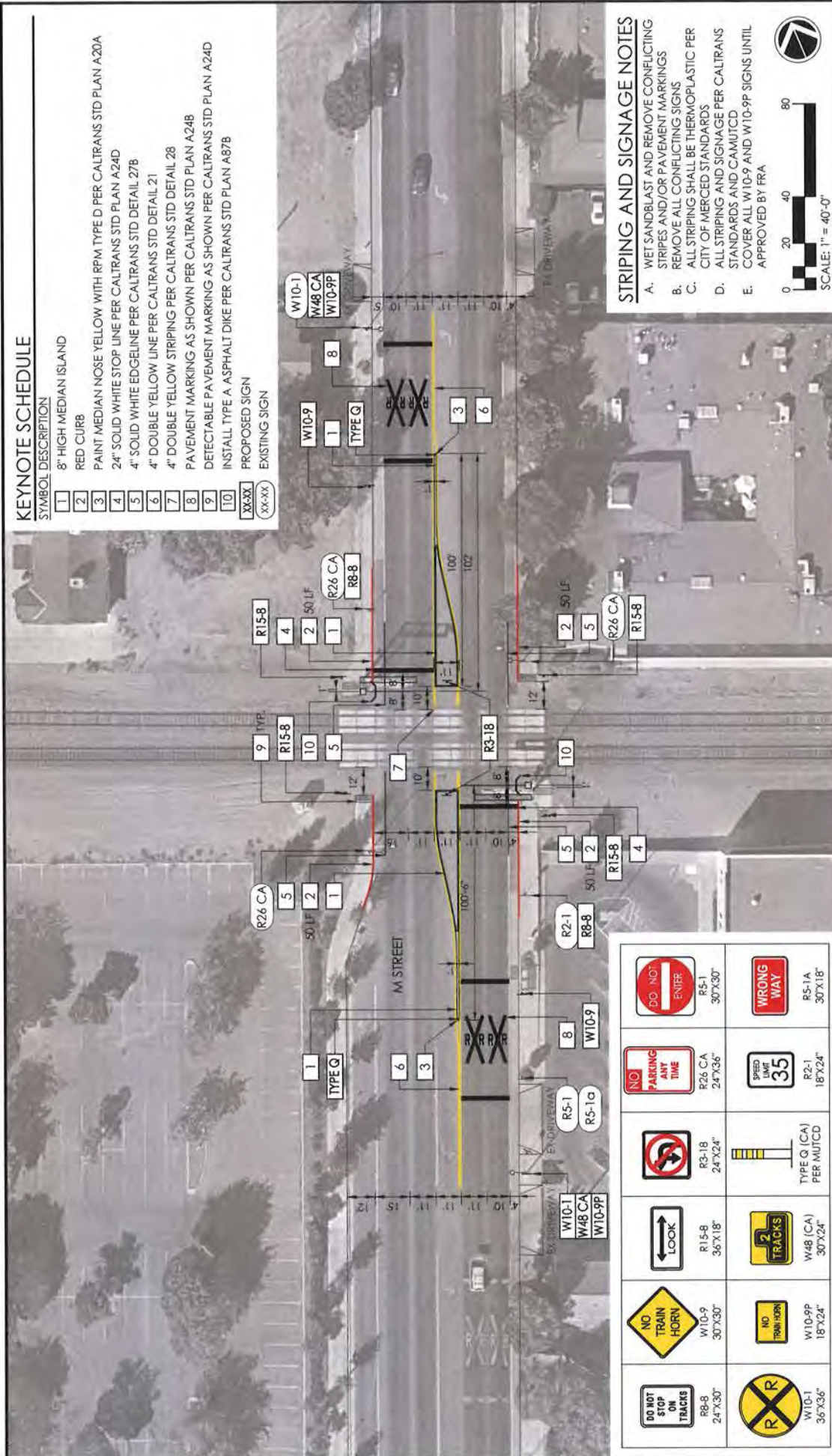


TYPE 1 DETAIL C BARRICADE PER  
CALTRANS STD PLAN ES-7Q



## SYMBOL DESCRIPTION

1	8" HIGH MEDIAN ISLAND
2	RED CURB
3	PAINT MEDIAN NOSE YELLOW WITH RPM TYPE D PER CALTRANS STD PLAN A20A
4	24" SOLID WHITE STOP LINE PER CALTRANS STD PLAN A24D
5	4" SOLID WHITE EDGE LINE PER CALTRANS STD DETAIL 27B
6	4" DOUBLE YELLOW LINE PER CALTRANS STD DETAIL 21
7	4" DOUBLE YELLOW STRIPING PER CALTRANS STD DETAIL 28
8	PAVEMENT MARKING AS SHOWN PER CALTRANS STD PLAN A24B
9	DETECTABLE PAVEMENT MARKING AS SHOWN PER CALTRANS STD PLAN A24D
10	INSTALL TYPE A ASPHALT DIKE PER CALTRANS STD PLAN A87B
xx-xx	PROPOSED SIGN
xx-xx	EXISTING SIGN



- A. WET SANDBLAST AND REMOVE CONFLICTING STRIPES AND/OR PAVEMENT MARKINGS
- B. REMOVE ALL CONFLICTING SIGNS
- C. ALL STRIPING SHALL BE THERMOPLASTIC PER CITY OF MERCED STANDARDS
- D. ALL STRIPING AND SIGNAGE PER CALTRANS STANDARDS AND CAMUTCD
- E. COVER ALL W10-9 AND W10-9P SIGNS UNTIL APPROVED BY TRA



CPUC NO.	002-1056.20
DOT NO.	028672M
M Street	



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- 32332 Camino Capistrano, Ste 205  
San Juan Capistrano, CA 92675





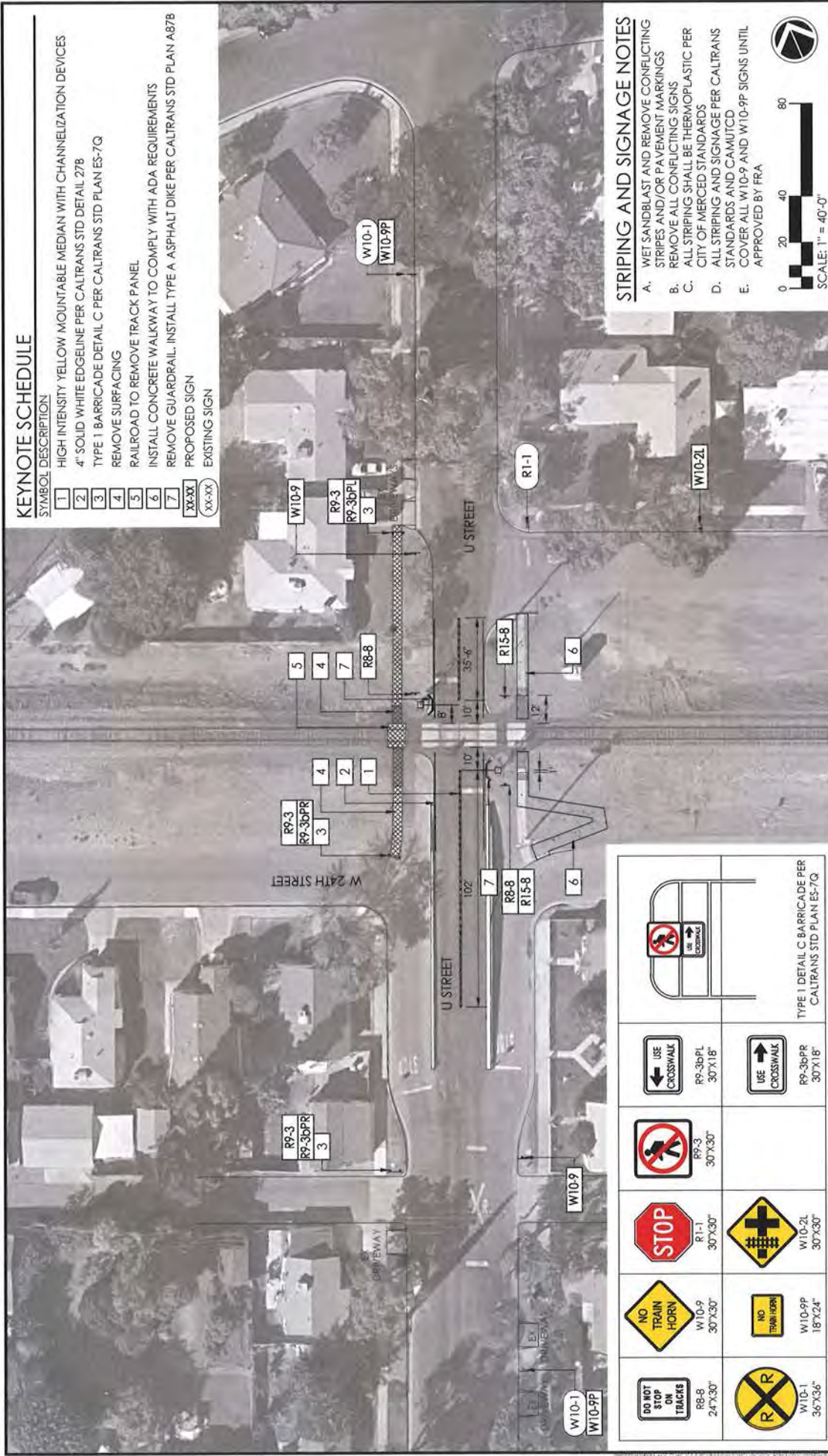




# KEYNOTE SCHEDULE

## SYMBOL DESCRIPTION

- 1 HIGH INTENSITY YELLOW MOUNTABLE MEDIAN WITH CHANNELIZATION DEVICES
- 2 4" SOLID WHITE EDGE LINE PER CALTRANS STD DETAIL 27B
- 3 TYPE 1 BARRICADE DETAIL C PER CALTRANS STD PLAN ES-7Q
- 4 REMOVE SURFACING
- 5 RAILROAD TO REMOVE TRACK PANEL
- 6 INSTALL CONCRETE WALKWAY TO COMPLY WITH ADA REQUIREMENTS
- 7 REMOVE GUARDRAIL. INSTALL TYPE A ASPHALT DIKE PER CALTRANS STD PLAN A87B
- XX-XX PROPOSED SIGN
- XX-XX EXISTING SIGN



## STRIPING AND SIGNAGE NOTES

- A. WET SANDBLAST AND REMOVE CONFLICTING STRIPES AND/OR PAVEMENT MARKINGS
- B. REMOVE ALL CONFLICTING SIGNS
- C. ALL STRIPING SHALL BE THERMOPLASTIC PER CITY OF MERCED STANDARDS
- D. ALL STRIPING AND SIGNAGE PER CALTRANS STANDARDS AND CAMUTCD
- E. COVER ALL W10-9 AND W10-9P SIGNS UNTIL APPROVED BY FRA



## Merced Railroad Quiet Zone Feasibility Study

CPUC NO. 002-1057.00  
DOT NO. 0286748

U Street  
January 21, 2019



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22322 Camino Capistrano, Ste 205  
San Juan Capistrano, CA 92675



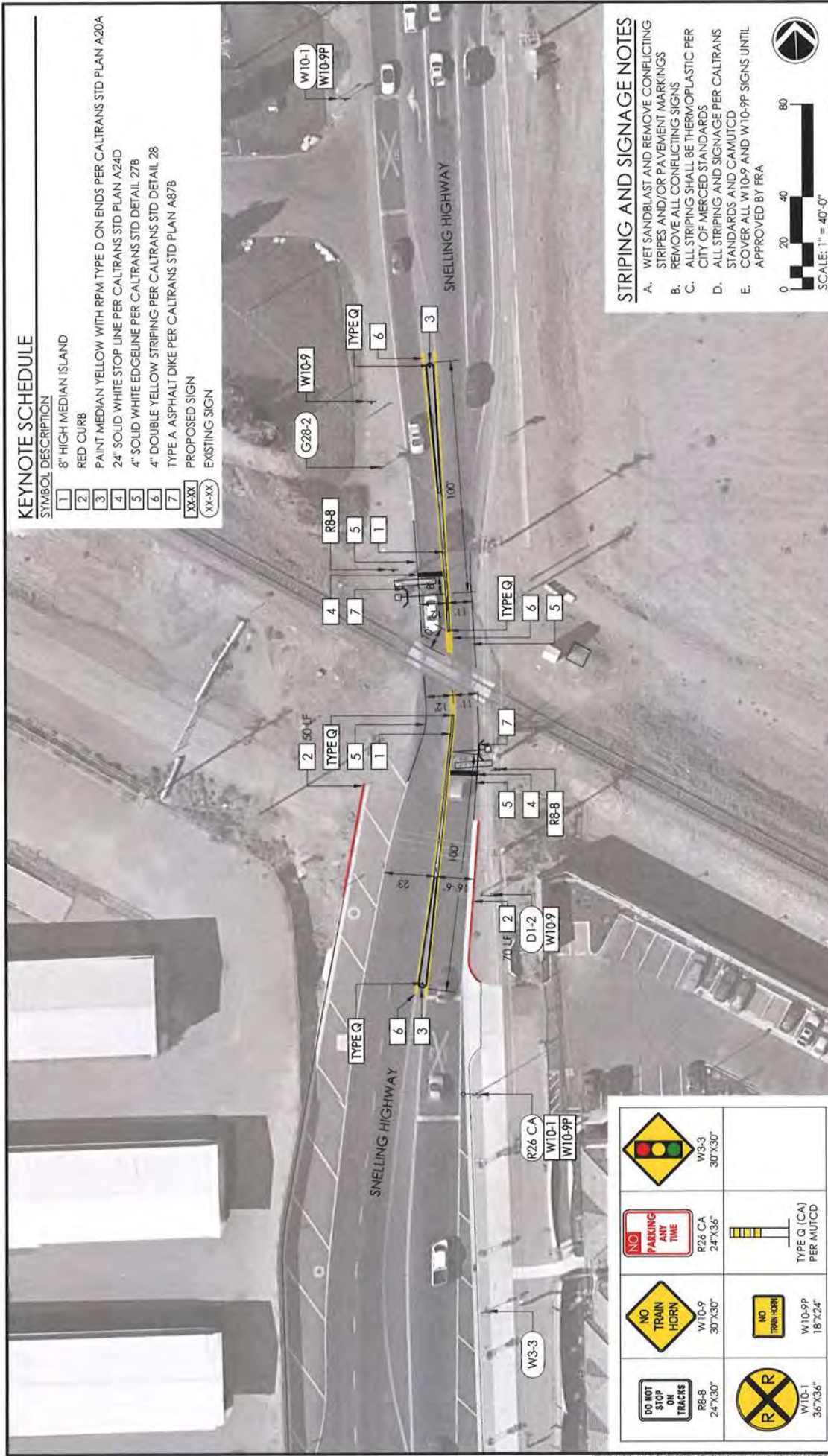






# KEYNOTE SCHEDULE

SYMBOL	DESCRIPTION
1	8" HIGH MEDIAN ISLAND
2	RED CURB
3	PAINT MEDIAN YELLOW WITH RPM TYPE D ON ENDS PER CALTRANS STD PLAN A20A
4	24" SOLID WHITE STOP LINE PER CALTRANS STD PLAN A24D
5	4" SOLID WHITE EDGELINE PER CALTRANS STD DETAIL 27B
6	4" DOUBLE YELLOW STRIPING PER CALTRANS STD DETAIL 28
7	TYPE A ASPHALT DIKE PER CALTRANS STD PLAN A87B
XX-XX	PROPOSED SIGN
xx-xx	EXISTING SIGN



## STRIPING AND SIGNAGE NOTES

- WET SANDBLAST AND REMOVE CONFLICTING STRIPES AND/OR PAVEMENT MARKINGS
- REMOVE ALL CONFLICTING SIGNS
- ALL STRIPING SHALL BE THERMOPLASTIC PER CITY OF MERCED STANDARDS
- ALL STRIPING AND SIGNAGE PER CALTRANS STANDARDS AND CAMUTCD
- COVER ALL W10-9 AND W10-9P SIGNS UNTIL APPROVED BY FRA



## Merced Railroad Quiet Zone Feasibility Study

CPUC NO. 002-1057.70  
DOT NO. 028682T

January 21, 2019



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32332 Camino Capistrano, Ste 205  
San Juan Capistrano, CA 92675



DO NOT STOP ON TRACKS R8-8 24'x30"	NO TRAIN HORN W10-9 30'x30"	NO PARKING ANY TIME R24-CA 24'x36"	W3-3 30'x30"
R26-CA W10-1 W10-9P	W10-9 30'x30"	TYPE Q (CA) PER MUTCD	W10-9P 18'x24"



## STEPS TO ESTABLISH QUIET ZONE

- Prepare construction drawings for construction per diagnostic meeting
- Finalize and obtain approval for GO 88 B
- Prepare notice of intent (NOI) to FRA (60 days) at the beginning of the construction
- After 60 days respond to all comments regarding NOI
- Near end of the construction (60 days) submit Notice of Establishment (NOE) and provide a date for implementation
- Conduct final walk-thru with CPUC and UPRR and submit form G
- DONE!