California High-Speed Rail Authority

Palmdale to Burbank Project Section

PEPD RECORD SET ADDENDUM SR14A / E1A / E2A

Roadway and Grade Separation Plans

February 2021

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being or have been carried out by the State of California pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated July 23, 2019, and executed by the Federal Railroad Administration and the State of California.
### General

**DRAWING NO.**  | **DRAWING DESCRIPTION**  
---|---  
CV-B0001 | ROADWAYS AND GRADE SEPARATIONS - ABBREVIATIONS  
CV-B0002 | ROADWAYS AND GRADE SEPARATIONS - KEY MAP  
CV-B0003 | ROADWAYS AND GRADE SEPARATIONS - AVENUE E  
CV-B0004 | ROADWAYS AND GRADE SEPARATIONS - AVENUE N  
CV-B0005 | ROADWAYS AND GRADE SEPARATIONS - APRIL  
CV-B0006 | ROADWAYS AND GRADE SEPARATIONS - MAY  

### SR14A

**DRAWING NO.**  | **DRAWING DESCRIPTION**  
---|---  
CV-H0001-E1A | ROADWAY PLANS, PROFILES AND TYPICAL SECTIONS  
CV-Y1001-E1A | ACCESS ROAD PLANS, PROFILES AND TYPICAL SECTIONS  
CV-Y1002-E1A | ACCESS ROAD PLANS, PROFILES AND TYPICAL SECTIONS  
CV-Y1003-E1A | ACCESS ROAD PLANS, PROFILES AND TYPICAL SECTIONS  
CV-Y1004-E1A | ACCESS ROAD PLANS, PROFILES AND TYPICAL SECTIONS  
CV-Y1005-E1A | ACCESS ROAD PLANS, PROFILES AND TYPICAL SECTIONS  
CV-Y1006-E1A | ACCESS ROAD PLANS, PROFILES AND TYPICAL SECTIONS  
CV-Y1007-E1A | ACCESS ROAD PLANS, PROFILES AND TYPICAL SECTIONS  
CV-Y1008-E1A | ACCESS ROAD PLANS, PROFILES AND TYPICAL SECTIONS  
CV-Y1009-E1A | ACCESS ROAD PLANS, PROFILES AND TYPICAL SECTIONS  

### Roads, Profiles and Sections

**DRAWING NO.**  | **DRAWING DESCRIPTION**  
---|---  
CV-T1001-14A | GRADE SEPARATION PROFILE - SIERRA HIGHWAY (1/2)  
CV-T1002-14A | GRADE SEPARATION PROFILE - AVENUES (2/2)  
CV-T1003-14A | GRADE SEPARATION PROFILE - AVENUES (1/2)  
CV-T1004-14A | GRADE SEPARATION PROFILE - SIERRA HIGHWAY (2/2)  
CV-T1005-14A | GRADE SEPARATION PROFILE - FORRESTON DRIVE (1/2)  
CV-T1006-14A | GRADE SEPARATION PROFILE - FORRESTON DRIVE (2/2)  
CV-T3001-14A | GRADE SEPARATION PROFILE - EAST AVENUE R11  
CV-T3002-14A | GRADE SEPARATION PROFILE - EAST 10TH STREET (2/2)  
CV-T3003-14A | ROADWAY TYPICAL SECTIONS - WATER TREATMENT PLANT ACCESS ROADS DELAWARE RD & VALLEY FORGE RD  
CV-T3004-14A | ROADWAY TYPICAL SECTIONS - WATER TREATMENT PLANT ACCESS ROADS DELAWARE RD & VALLEY FORGE RD  
CV-T4001-14A | GRADE SEPARATION PLAN - AVENUES (1/2)  
CV-T4002-14A | GRADE SEPARATION PLAN - AVENUES (2/2)  
CV-T4003-14A | GRADE SEPARATION PLAN - AVENUES (2/2)  
CV-T4004-14A | GRADE SEPARATION PLAN - SIERRA HIGHWAY (2/2)  
CV-Y1001-EA | ACCESS ROAD PROFILE - PORTAL 1  
CV-Y1002-EA | ACCESS ROAD PROFILE - PORTAL 2  
CV-Y1003-EA | ACCESS ROAD PROFILE - PORTAL 3  
CV-Y1004-EA | ACCESS ROAD PROFILE - PORTAL 4 (1/3)  
CV-Y1005-EA | ACCESS ROAD PROFILE - PORTAL 4 (2/3)  
CV-Y1006-EA | ACCESS ROAD PROFILE - PORTAL 4 (3/3)  
CV-Y1007-EA | ACCESS ROAD PROFILE - PORTAL 5  
CV-Y1008-EA | ACCESS ROAD PROFILE - PORTAL 6  
CV-Y1009-EA | ACCESS ROAD PROFILE - PORTAL 9  
CV-Y4001-EA | ACCESS ROAD PLAN - PORTAL 1  
CV-Y4002-EA | ACCESS ROAD PLAN - INTERMEDIATE WINDOW  
CV-Y4003-EA | ACCESS ROAD PLAN - PORTAL 2  
CV-Y4004-EA | ACCESS ROAD PLAN - PORTAL 3  
CV-Y4005-EA | ACCESS ROAD PLAN - PORTAL 3  
CV-Y4006-EA | ACCESS ROAD PLAN - PORTAL 4 (1/3)  
CV-Y4007-EA | ACCESS ROAD PLAN - PORTAL 4 (2/3)  
CV-Y4008-EA | ACCESS ROAD PLAN - PORTAL 4 (3/3)  
CV-Y4009-EA | ACCESS ROAD PLAN - PORTAL 9  

### Index of Drawings

**DRAWING NO.**  | **DRAWING DESCRIPTION**  
---|---  
CV-R1001-14A | ROADWAY PROFILE - WATER TREATMENT PLANT ACCESS ROADS DELAWARE RD & VALLEY FORGE RD  
CV-R1002-14A | ROADWAY PROFILE - EAST AVENUE R11  
CV-R1003-14A | ROADWAY  
CV-R1004-14A | ROADWAY  
CV-R4001-14A | ROADWAY PLAN - WATER TREATMENT PLANT ACCESS ROADS DELAWARE RD & VALLEY FORGE RD  
CV-R4002-14A | ROADWAY PLAN - WATER TREATMENT PLANT ACCESS ROADS DELAWARE RD & VALLEY FORGE RD  

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**California High-Speed Rail Project**

**Alignment** "SR14A/E1A/E2A"  
**Roadways and Grade Separations**

**INDEX OF DRAWINGS**

**DRAWING NO.**  | **DRAWING DESCRIPTION**  
---|---  
CV-B0001 | ROADWAYS AND GRADE SEPARATIONS - KEY MAP  
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CV-B0004 | ROADWAYS AND GRADE SEPARATIONS - AVENUE N  
CV-B0005 | ROADWAYS AND GRADE SEPARATIONS - APRIL  
CV-B0006 | ROADWAYS AND GRADE SEPARATIONS - MAY  

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**Pepl Record Set**

**CALIFORNIA HIGH-SPEED RAIL AUTHORITY**

**CALIFORNIA HIGH-SPEED RAIL PROJECT**

**PALMDALE TO BURBANK**

**ALIGNMENT "SR14A/E1A/E2A"**

**ROADWAYS AND GRADE SEPARATIONS**

---

**DRAWN BY**

R. RODRIGUEZ  
A. RE LANO  
A. CAMACHO  

**CHARGE**

02/26/2021
EAST 10TH ST

STA 10+76075 TO STA 12+68066
SECONDARY ARTERIAL
PER CITY OF PALMDALE GENERAL PLAN

EAST 10TH ST

STA 12+68066 TO STA 22+71037
SECONDARY ARTERIAL
PER CITY OF PALMDALE GENERAL PLAN

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT 'SR14A'
ROADWAY TYPICAL SECTIONS
EAST 10TH STREET (1/2)
WATER TREATMENT PLANT ACCESS ROAD 2
STA 10+00 TO STA 12+68.24

DELAWARE RD
STA 10+00 TO STA 11+66.71

WATER TREATMENT PLANT ACCESS ROAD 1
STA 10+00 TO STA 11+66.71

VALLEY FORGE RD
11438.62 TO 15433.61
ROADWAY TYPICAL SECTIONS

SIERRA HIGHWAY
PER CITY OF PALMDALE GENERAL PLAN

SIERRA HIGHWAY
STA 705+22.61 to 707+98.97
PER CITY OF PALMDALE GENERAL PLAN

SIERRA HIGHWAY
STA 707+98.97 to 712+07.54
PER CITY OF PALMDALE GENERAL PLAN

SIERRA HIGHWAY
STA 712+07.54 to 714+93.09
PER CITY OF PALMDALE GENERAL PLAN

SIERRA HIGHWAY
STA 720+69.08 to 723+76.85
PER CITY OF PALMDALE GENERAL PLAN

NOT FOR CONSTRUCTION

ADDITION: "A1A/ RAIL"
ROADWAY TYPICAL SECTIONS
SIERRA HIGHWAY

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "A1A/ RAIL"
ROADWAY TYPICAL SECTIONS
SIERRA HIGHWAY

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

DESIGNED BY:
PEPD RECORD SET
DRAWN BY:
CAMACHO
CHECKED BY:
RODRIGUEZ
IN CHARGE:
RELANO

REV DATE BY CHK APP DESCRIPTION

02/26/2021

ADDENDUM
SR14A/ E1A/ E2A

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

04/01/21
**CURVE DATA**

<table>
<thead>
<tr>
<th>R</th>
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<tr>
<td>100'</td>
<td>41° 28'05.51&quot;</td>
<td>43.99'</td>
<td>82.85'</td>
<td>ARP2-2 (ACCESS RD PORTAL 2-2)</td>
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<td>200'</td>
<td>41° 59'32.24&quot;</td>
<td>76.76'</td>
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<td>56.42'</td>
<td>109.99'</td>
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<td>150'</td>
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<td>100.20'</td>
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**LINE DATA**

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<td>N 27° 24'25.66&quot; W 44.71'</td>
<td>ARP2-2 (ACCESS RD PORTAL 2-2)</td>
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<td>N 14° 35'06.74&quot; E 77.64'</td>
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<td>N 16° 55'12.88&quot; W 77.94'</td>
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<td>N 27°51'27.34&quot; W 32.10'</td>
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<td>N 50°28'22.73&quot; E 61.66'</td>
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<tr>
<td>N 5° 56'25.94&quot; W 58.08'</td>
<td>ARP2-2 (ACCESS RD PORTAL 2-2)</td>
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### CURVE DATA

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<th>L</th>
<th>ALIGNMENT</th>
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<tbody>
<tr>
<td>3</td>
<td>1000'</td>
<td>10,0920.62'</td>
<td>88.86'</td>
<td>117.25' &quot;ARP4&quot; (ACCESS ROAD PORTAL 4)</td>
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### LINE DATA

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<td>N 52°05'10.99&quot; E</td>
<td>396.29'</td>
<td>&quot;ARP4&quot; (ACCESS ROAD PORTAL 4)</td>
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<td>N 41°55'50.37&quot; E</td>
<td>1795.74'</td>
<td>&quot;ARP4&quot; (ACCESS ROAD PORTAL 4)</td>
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**Revisions:**

- REV DATE BY CHK APP DESCRIPTION
- 02/26/2021

**Design:**

- CONTRACT NO.
- HSR14-42

**Drawing No.:**

- CV-Y4007-14A

**Scale:**

- AS SHOWN

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**California High-Speed Rail Project**

**Palmdale to Burbank**

**Alignment "SR14A"**

**Access Road Plan Portal 4 (2/3)**
### CURVE DATA

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<td>1</td>
<td>500'</td>
<td>25°00'26.53&quot;</td>
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<td>1750'</td>
<td>54°08'19.08&quot;</td>
<td>533.34'</td>
<td>&quot;ARP4&quot; (ACCESS ROAD PORTAL 4)</td>
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### LINE DATA

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<td>N 44°57'18.44&quot; E</td>
<td>672.78'</td>
<td>&quot;ARP4&quot; (ACCESS ROAD PORTAL 4)</td>
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<td>N 17°56'51.81&quot; E</td>
<td>73.05'</td>
<td>&quot;ARP4&quot; (ACCESS ROAD PORTAL 4)</td>
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ACCESS ROAD PORTAL 1 "ARP1"

ACCESS ROAD PORTAL 1-1 "ARP1-1"
ACCESS ROAD INTERMEDIATE WINDOW "ARIW"

PROFILE

ACCESS ROAD PROFILE INTERMEDIATE WINDOW

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT SR14A
ACCESS ROAD PROFILE INTERMEDIATE WINDOW

CALIFORNIA HIGH-SPEED RAIL AUTHORITY
ACCESS ROADS SR14A PORTALS

PORTAL 1
STA 0+00.00 TO STA 11+460.79 (ACCESS ROAD 1)
STA 0+00.00 RD STA 5+474.89 (ACCESS ROAD 1-1)

PORTAL 2
STA 0+00.00 TO STA 4+374.00 (ACCESS ROAS 2)
STA 0+00.00 TO STA 12+460.00 (ACCESS ROAD 2-2)

PORTAL 3
STA 0+00.00 TO STA 12+465.61

PORTAL 4
STA 0+00.00 TO STA 5+484.74

INTERMEDIATE WINDOW
STA 0+00.00 TO STA 23+250.10

PORTAL 5
STA 0+00.00 TO 11+375.00
LINE DATA

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<tr>
<td>0° 0' 0&quot;</td>
<td>2494.63'</td>
<td>&quot;SH&quot; (SIERRA HIGHWAY)</td>
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</table>

SCALE AS SHOWN

DRAWN BY A.CAMACHO
CHECKED BY R. RODRíGUEZ

DATE 02/26/2021

ADDENDUM SR14A/E1A/E2A
NOT FOR CONSTRUCTION

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
GRADE SEPARATION PLAN
SIERRA HIGHWAY (2/2)
ALIGNMENT "E1A/E2A"
GRADE SEPARATION PLAN
FORESTON DRIVE (1/2)

CONTRACT NO.
HSR14-42

DRAWING NO.
CV-T4005-EA

SCALE
AS SHOWN

LINE DATA

BEARING DISTANCE ALIGNMENT
1 N 90°00'00.00" E 1356.168' "FD" (FORESTON DRIVE)
2 N 21°58'54.94" E 368.53' "FD" (FORESTON DRIVE)
3 N 90°00'00.00" E 95.546' "FD" (FORESTON DRIVE)
4 N 64°20'14.18" E 303.893' "FD" (FORESTON DRIVE)

CURVE DATA

BEARING DISTANCE ALIGNMENT
CD 275' 68°01'05.06" 185.553' 326.463' "FD" (FORESTON DRIVE)
G 1 20' 68°01'05.06" 80.97' 142.46' "FD" (FORESTON DRIVE)
250' 25° 39'45.81" 56.943' 111.975' "FD" (FORESTON DRIVE)

NOT FOR CONSTRUCTION

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
GRADE SEPARATION PLAN
FORESTON DRIVE (1/2)
FORESTON DRIVE "FD" LINE
PROFILE

AS SHOWN

REV
CY
11/24/2014

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
CROSS SEPARATION PROFILE
FORESTON DRIVE (12/21)

SHEET NO. 11-1006-EA
CV-T1006-EA

SCALE 1" = 100' HORIZ:
VERT:

CONSTRUCTION
FORESTON DRIVE FD LINE

11/24/2014

DRAWN BY
SSD=234.00'
L=300'
SR14A/E1A/E2A

CONSTRUCTION

HORIZ: 1"=100'
VERT:

DRAWN BY
SSD=4281.42'
A_$ _1
L{)
SIERRA HIGHWAY
STA 705+22.61 to 707+98.97
PER CITY OF PALMDALE GENERAL PLAN

SIERRA HIGHWAY
STA 707+98.97 to 712+07.54
PER CITY OF PALMDALE GENERAL PLAN

SIERRA HIGHWAY
STA 712+07.54 to 714+93.09 (BEG BRIDGE)
STA 720+69.08 (END BRIDGE) TO 723+76.85
PER CITY OF PALMDALE GENERAL PLAN

SIERRA HIGHWAY
STA 723+76.85 to 736+89.22
PER CITY OF PALMDALE GENERAL PLAN

PERM (12%)
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<td>89°05'18.08&quot; W</td>
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<td>28°56'35.04&quot; W</td>
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<td>25°04'23.57&quot; E</td>
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<td>4</td>
<td>31°08'16.19&quot; E</td>
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<tr>
<td>5</td>
<td>58°51'33.48&quot; E</td>
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**LINE DATA**

- **BEARING**: The angle in degrees, minutes, and seconds indicating the direction of the line.
- **DISTANCE**: The length of the line in feet.
- **ALIGNMENT**: The name of the alignment where the line is located.

**CURVE DATA**

- **R**: The radius of the curve in feet.
- **δ**: The angle of the curve in degrees, minutes, and seconds.
- **L**: The length of the curve in feet.
- **ALIGNMENT**: The name of the alignment where the curve is located.

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**Diagram Description**

- The diagram shows the alignment "E1A/E2A" accessed road plan portal 2 of the California High-Speed Rail Project from Palmdale to Burbank.
- The alignment is marked with various curves and distances, indicating the layout of the access road.
- The diagram includes annotations for points, bearings, and distances, providing a clear representation of the project's site plan.
ACCESS ROAD PORTAL 1 "AR1"

PROFILE

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1A/E2A"
ACCESS ROAD PROFILE
PORTAL 1

CHECKED BY
F. DEJESUS
A. RODRIGUEZ
02/26/2021
ACCESS ROADS E1A/E2A PORTALS

PORTAL 1
STA 0+00.00 TO STA 17+25.14 (ACCESS ROAD PORTAL 1)

PORTAL 2
STA 0+00.00 TO STA 29+99.75 (ACCESS ROAD PORTAL 2)