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 22, 2019, and executed by the Federal Railroad Administration and the State of California.
### GENERAL

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### REFINED SR14

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<td>TT-D1055-S14</td>
<td>ALIGNMENT &quot;REFINED SR14&quot; - PLAN AND PROFILE - STA 2122+00.00 TO STA 2147+00.00</td>
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<td>ALIGNMENT &quot;REFINED SR14&quot; - PLAN AND PROFILE - STA 2076+00.00 TO STA 2097+00.00</td>
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<td>ALIGNMENT &quot;REFINED SR14&quot; - PLAN AND PROFILE - STA 2065+00.00 TO STA 2076+00.00</td>
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**Burbank Station Tracks (Refined SR14)**

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**TYPICAL SECTIONS**

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**California High-Speed Rail Project**

**Index of Drawings - 3 of 3**

**TT-B0003**

**Palmdale to Burbank**

**Alignment "Refined SR14/E1/E2"**

**General**

04/30/2021

ALAMILLA

DESIGNED BY

HIGH-SPEED RAIL AUTHORITY

CALIFORNIA
GENERAL NOTES

1. RAIL PROFILE IS DESIGNED AS CENTERLINE AT THE TOP OF THE 10% DRAIN.
2. MINIMUM VERTICAL CLEARANCE REQUIREMENTS TO TRENCHES AND DITCHES ARE NOT KNOWN. FURTHER CONSULTATION WITH THE WATERCOURSE OWNER WILL BE REQUIRED TO DETERMINE NECESSARY CLEARANCES.
3. THE FOLLOWING ARE RAILWAY DESIGN STANDARDS AND GUIDELINES:
   A. CALTRANS HIGHWAY DESIGN MANUAL (2006)
   B. AASHTO ROADSIDE DESIGN GUIDE (2006)
   C. APPLICABLE LOCAL DESIGN STANDARDS AND GUIDELINES (I.E., CITY OF LOS ANGELES)
   D. FOR RAILWAY PROPOSED SECTIONS, SEE RAILWAY PLANS.
   E. FINAL SLOPES TO BE DEFINED AT A LATER STAGE, WHEN THE GEOTECHNICAL STUDY IS AVAILABLE.

6. STRUCTURE DIMENSIONS ARE INDICATIVE.

7. STA 294+82.67 (SPE cute) is the northern limit of the Palmdale-Burbank Environmental Document. North of this point refer to Bakersfield-Palmdale Environmental Document. Design features between 264+00.00 and STA 294+82.67 (SPRUCE CT) shown for reference only.

LEGEND

PLAN

PROFILE

SECTION NUMBER

DRAWING NUMBER

SCALE

SHEET NO.

CONTRACT NO.

HP CONTINUED

S CONTINUED

CALIFORNIA HIGH-SPEED RAIL PROJECT

Palmdale to Burbank Alignment "Defined SR14/ET/133"

GENERAL ABBREVIATIONS AND LEGEND
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
HIGH SPEED RAIL PLANS
KEY MAP 2 OF 2

REV DESCRIPTION
04/30/2021

HSR ALIGNMENT "E1"
HSR ALIGNMENT "E2"
HANSEN DAM SPREADING GROUNDS

REFINED SR14 CENTRAL SUBSECTION
BURBANK SUBSECTION

MATCH LINE - TT-0000-S14
MATCH LINE - TT-0042-S14
MATCH LINE - TT-0047-S14
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
PLAN AND PROFILE
STA 365+00.00 TO STA 390+00.00

PLAN

PROFILE

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SCALE

TT-D1005-S14 AS SHOWN

R. RODRIGUEZ
04/30/2021

IN CHARGE NOT FOR CHECKED

ALAMILLA

PEPD RECORD SET CONSTRUCTION

HIGH-SPEED RAIL AUTHORITY
CALIFORNIA

2800
2810
2820
2830
2840
2850
2860
2870
2880
2890
2900
2910
2920
2930
2940
2950
2960
2970
2980
2990
3000

365+00
370+00
375+00
380+00
385+00
390+00

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00 0 20 40 20

00 0 20 40 20
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14" PLAN AND PROFILE
STA 740+00.00 TO STA 765+00.00

DRAWING NO. TT-D1013-S14
CONTRACT NO. HSR14-42
SCALE AS SHOWN

REVISIONS

04/30/2021

R. RODRIGUEZ

IN CHARGE NOT FOR DRAWN BY CHECKED

ALAMILLA

PROFILE:

"REFINED SR14" TRACK PROFILE

"REFINED SR14" TUNNEL 01

"REFINED SR14" TUNNEL 01

MATCH LINE (TT-D1013-S14)

MATCH LINE (TT-D1013-S14)
PLAN

PROFILE

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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14"
PLAN AND PROFILE
STA 2172+00.00 TO STA 2197+00.00
Burbank Airport Alignment "Refined SR14" Plan and Profile
STA 2197+00.00 TO STA 2224+76.26

Contract No. HSR14-42
Drawing No. TT-D1058-S14
Scale As Shown

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DESIGNED BY
J. C. Alamilla

DRAWN BY

CHECKED BY
R. Rodriguez

DATE
04/20/2021

Contract No.
HSR14-42

Sheet No.
TT-D1058-S14
PLAN

CURVE DATA

<table>
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PROFILE

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
PLAN AND PROFILE
STA 1040+00.00 TO STA 1090+00.00

E1 TUNNEL DZ
E1 TRACK PROFILE
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
PLAN AND PROFILE
STA 1480+00.00 TO STA 1540+00.00

PLAN

PROFILE

CURVE DATA

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ANGELES NATIONAL FOREST
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
PLAN AND PROFILE
STA 1540+00.00 TO STA 1590+00.00

ANGELES NATIONAL FOREST

PROFILE

MATCH LINE (TT-D035-E1)

MATCH LINE (TT-D032-E1)

MATCH LINE (TT-D033-E1)

MATCH LINE (TT-D034-E1)

"E1" TUNNEL 02

"E1" TRACK PROFILE

"E1" TUNNEL 02

CALIFORNIA HIGH-SPEED RAIL PROJECT
HSR14-42
CONTRACT NO.

DESIGNED BY
J.C. ALIPILLA
P.O. BOX 500
L.A. 60250

PREF RECORD SET
REVIEW

REVIEWED BY
M. HERNANDEZ
P.O. BOX 500
L.A. 60250

DATE

4/30/2021

SNER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

SHOWN

PLAN AND PROFILE

DATE

REV

AS SHOWN

SHEET

DATE

REV

AS SHOWN

SHEET

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "E1"
PLAN AND PROFILE
STA 1540+00.00 TO STA 1590+00.00

ANGELES NATIONAL FOREST

PROFILE

MATCH LINE (TT-D035-E1)

MATCH LINE (TT-D032-E1)

MATCH LINE (TT-D033-E1)

MATCH LINE (TT-D034-E1)

"E1" TUNNEL 02

"E1" TRACK PROFILE

"E1" TUNNEL 02

CALIFORNIA HIGH-SPEED RAIL PROJECT
HSR14-42
CONTRACT NO.

DESIGNED BY
J.C. ALIPILLA
P.O. BOX 500
L.A. 60250

PREF RECORD SET
REVIEW

REVIEWED BY
M. HERNANDEZ
P.O. BOX 500
L.A. 60250

DATE

4/30/2021

SNER

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

SHOWN

PLAN AND PROFILE

DATE

REV

AS SHOWN

SHEET

DATE

REV

AS SHOWN

SHEET
## Plan and Profile

**Alignment "E1"**

### Curve Data

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**Stationary Points**

- STA 1958+00.00 to STA 1968+00.00

**Notes:**

- Match Line TT-D1044-E1
- Match Line TT-D1044-E1
- Match Line TT-D1044-E1
- Match Line TT-D1044-E1

**Site Information:**

- California High-Speed Rail Project
- Palmdale to Burbank

**Drawing Information:**

- Drawing No.: TT-D1044-E1
- Sheet No.: S1814-42

**Prepared By:**

- A. Alamilla
- B. Rodriguez
- T. D. Calella

**Checked By:**

- JC Alamillo
- R. Rodriguez
- A. Y. L. Calella

**Date:**

- 04/30/2021

**Revision:**

- 00

**Scale:**

- Not for Construction

**Scale:**

- 1" = 20' - 0"
### Curve Data

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### Plan and Profile

**Alignment "E1"**

**Plan and Profile**

**Califonia High-Speed Rail Project**

**Palmdale to Burbank**

**Milepost**

**Contract No.**

**Scale**

**Rev.**

**Description**

---

**Pepe Rodriguez**

**January 2021**

**AS SHOWN**

---

**DATE**

**DT**

**UP**

---

**DATE**

**DT**

**UP**

---

**DATE**

**DT**

**UP**

---

**DATE**

**DT**

**UP**

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**DATE**

**DT**

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**DATE**

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**DATE**

**DT**

**UP**

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**DATE**

**DT**

**UP**
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### Curve Data Details

- **MPH**: 70
- **R (FT)**: 4900
- **Ea (IN)**: 3
- **Eu (IN)**: 1.0
- **LS (FT)**: 240
- **LC (FT)**: 190.41

---

### Plan and Profile

This diagram represents the alignment of the California High-Speed Rail Project from Palmdale to Burbank, specifically the alignment "E1" plan and profile. The section shown is from STA 2068+00.00 to STA 2093+00.00. The plan details the layout and profile of the railway line, including curves, crossings, and tunnels, ensuring safe and efficient high-speed rail travel.
PLAN

PROFILE

CURVE DATA

<table>
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<tr>
<th>#</th>
<th>MTH</th>
<th>R (FT)</th>
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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGMENT "E2"
PLAN AND PROFILE
STA 1240+00.00 TO STA 1290+00.00

SCALE

CONTRACT NO.
HSR14-42

SHEET NO.
TT-01028-E2

AS SHOWN

CALIFORNIA HIGH-SPEED RAIL AUTHORITY

DESIGNER BY:
J. C. ALAMILLA

DRAWN BY:
R. A. M. ALARCÓN

REVIEWED BY:
R. A. M. ALARCÓN

PLOT NUMBER:
004017

METER:
04/30/2021
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. TRACK, SYSTEMS AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES.
4. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
5. PROTECTIVE BARRIER SUCH AS A BERM OR DIKE SHALL BE INSTALLED AT THE RIGHT-OF-WAY BOUNDARY TO INTERCEPT STORM WATER RUN-OFF FROM ADJACENT PROPERTY.
6. STATIONING ALONG HSR SB TRACK.
SECTION 12

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NOTE:

1. TRACKFORM SHOWN IS INDICATIVE.
2. TRACK, SYSTEMS AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
3. SUPERELEVATION IS NOT SHOWN.
4. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
5. PROTECTIVE BARRIER SUCH AS A BERM OR Dike SHALL BE INSTALLED AT THE HIGHWAY BORDERS TO INTERCEPT STORM WATER RUN OFF FROM ENTERING HIGHWAY FROM ADJACENT ROADS.
6. STATIONING ALONG HSR SB TRACK.
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
   AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 13

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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2" TYPICAL SECTIONS
SECTION 13
SECTION 15

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NOTE:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN. AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN CURVE TABLES.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.
SECTION 16
GENERAL CUT AND FILL SCENARIOS

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NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN, AMOUNT APPLIED CAN BE FOUND IN THE CURVE TABLES.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. ADDITIONAL R/W AND FOOTPRINT HAVE BEEN PROVIDED WITHIN THE SAN ANDREAS FAULT ZONE FOR TRACK REALIGNMENT.
5. STATIONING ALONG HSR NB TRACK.
NOTE:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN, THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN, AMOUNT OF SUPERELEVATION IS SHOWN IN CURVE TABLES.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 18

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DRAINAGE DITCH (TYP)
DRAINAGE (TYP)
WALKWAY AND CABLE DUCT (TYP)
WALKWAY AND CABLE DUCT (TYP)

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2" TYPICAL SECTIONS
SECTION 18
### NOTE:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

### SECTION 19

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**CALIFORNIA HIGH-SPEED RAIL PROJECT**

**PALMDALE TO BURBANK**

ALIGNMENT "REFINED SR14/E1/E2" TYPICAL SECTIONS

**SECTION 19**
SECTION 20

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NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. THE AMOUNT OF SUPERELEVATION IS SHOWN IN THE CURVE TABLES.
4. STATIONING ALONG HSR SB TRACK.
### NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. FOR DETAIL DIMENSIONS AND VARIATIONS IN TUNNEL SECTIONS, SEE TUNNEL PLANS.
5. STATIONING ALONG HSR SB TRACK.

#### SECTION 21

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**CALIFORNIA HIGH-SPEED RAIL PROJECT**
**PALMDALE TO BURBANK**
**ALIGNMENT "REFINED SR14/E1/E2"**
**TYPICAL SECTIONS**
**SECTION 21**
NOTE:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN, SUPERELEVATION IS SHOWN IN THE CURVE TABLES.
3. STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 22

<table>
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<th>E1</th>
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<tbody>
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<td>STA 738+10 to STA 745+51</td>
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15.50 MILES

FG ALISO CANYON ROAD

CALEIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 22

DESIGNED BY
JC ALAMILLA

DRAWN BY
JC ALAMILLA

IN CHARGE
A. RELARO

DATE
04/30/2021
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 23

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<td></td>
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<td>STA 1674+50 TO STA 1677+50</td>
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DESIGNED BY
JC ALAMILLA

DRAWN BY
JC ALAMILLA

PEPD RECORD SET
04/30/2021

NOT FOR CONSTRUCTION
CALIFORNIA HIGH-SPEED RAIL AUTHORITY
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 23

SCALE NOT TO SCALE
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR DETAIL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. FOR DETAIL DIMENSIONS AND VARIATIONS IN TUNNEL SECTIONS, SEE TUNNEL PLANS.
5. STATIONING ALONG HSR SB TRACK DESIGNED BY

SECTION 24

TWIN SEM TUNNELS - BIFURCATION

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CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 24
### Section 25

**Single Sem Tunnel (from 40.00' to 16.50' Centers)**

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<thead>
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**Note:**
1. Track form shown is indicative.
2. Super-elevation is not shown. The amount of applied super-elevation is shown in the curve tables.
3. For structural dimensions, see structure typical sections.
4. For detail dimensions and variations in tunnel sections, see tunnel plans.
5. Stationing along misalignment track.

---

**CALIFORNIA HIGH-SPEED RAIL PROJECT**

**PALMDALE TO BURBANK**

**ALIGNMENT "REFINED SR14/E1/E2"**

**TYPICAL SECTIONS**

**SECTION 25**
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. FOR DETAIL DIMENSIONS AND VARIATIONS IN TUNNEL SECTIONS, SEE TUNNEL PLANS.
5. STATIONING ALONG HSR SB TRACK.

SECTION 25A

<table>
<thead>
<tr>
<th>E1</th>
<th>E2</th>
<th>REFINED SR14</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STA 1843+79 TO STA 1899+90</td>
<td></td>
</tr>
</tbody>
</table>
**NOTE:**
1. TRACK FORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES.
4. STATIONING ALONG HSR NB TRACK.

**DESIGNED BY**
JC ALAMILLA

**DRAWN BY**
JC ALAMILLA

**DATE**
04/30/2021

**REVISION DATE**

**CHECK**

**APPROVAL**

**DESCRIPTION**

**SECTION 27**

**REFINED SR14**

**STA 2132+94 TO STA 2147+05**

**STA 1929+96 TO STA 1944+06**

**STA 2240+36 TO STA 2254+48**

**CALIFORNIA HIGH-SPEED RAIL PROJECT**

**PALMDALE TO BURBANK**

**PEP D RECORD SET**

**NOT FOR CONSTRUCTION**

**CALIFORNIA HIGH-SPEED RAIL AUTHORITY**
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG MIX 30 TRACK.

SECTION 28

<table>
<thead>
<tr>
<th>E1</th>
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<th>Refined SR14</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>STA 375+57 TO STA 376+41</td>
</tr>
</tbody>
</table>
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
   THE AMOUNT OF SUPERELEVATION IS SHOWN IN THE CURVE TABLES.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURAL TYPICAL SECTIONS.
4. STATIONING ALONG MER BE TRACK.

SECTION 30

<table>
<thead>
<tr>
<th>E1</th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>STA 1297+70 TO STA 1308+70</td>
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</tbody>
</table>

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 30
**NOTE:**

1. TRACKFORM ShOWN IS ILLUSTRATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR RAIL.

### SECTION 31

<table>
<thead>
<tr>
<th></th>
<th>E1</th>
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</thead>
<tbody>
<tr>
<td>STA</td>
<td>1891+48 TO 1917+18</td>
<td></td>
<td>STA 1996+70 TO STA 2026+00</td>
</tr>
</tbody>
</table>

**REV DATE BY CHK APP DESCRIPTION**

**DATE**

**DESIGN BY**

**DRAWN BY**

**CHARGE**

**NOT FOR CONSTRUCTION**

**CALIFORNIA HIGH-SPEED RAIL PROJECT**

**PALMDALE TO BURBANK**

**ALIGNMENT "REFINED SR14/E1/E2"**

**TYPICAL SECTIONS**

**SECTION 31**

**CALIFORNIA HIGH-SPEED RAIL AUTHORITY**
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURAL TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 33

<table>
<thead>
<tr>
<th>E1</th>
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<th>REFINED SR14</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1946+10 TO STA 1949+00</td>
<td>.</td>
<td>STA 2053+50 TO STA 2056+42</td>
</tr>
</tbody>
</table>

NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURAL TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.
NOTE:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURAL TYPICAL SECTIONS.
4. STATIONING ALONG NEAR SE TRACK.

SECTION 34

<table>
<thead>
<tr>
<th>STA 1960+10 TO STA 1980+19</th>
<th>STA 2087+42 TO STA 2092+07</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1986+29 TO STA 2006+76</td>
<td>STA 2093+17 TO STA 2114+18</td>
</tr>
</tbody>
</table>
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 36

<table>
<thead>
<tr>
<th>E1</th>
<th>E2</th>
<th>Refined Sr14</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1926+58 to STA 1927+58</td>
<td>STA 1926+58 to STA 1927+58</td>
<td>STA 1926+58 to STA 1927+58</td>
</tr>
</tbody>
</table>

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 36
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. SUPERELEVATION IS SHOWN IN THE CURVE TABLES.
4. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
5. STATIONING ALONG HSR SB TRACK.

SECTION 36A

<table>
<thead>
<tr>
<th>B1</th>
<th>R1</th>
<th>R2</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2006+76 TO STA 2007+86</td>
<td>-</td>
<td>STA 2114+18 TO STA 2115+28</td>
</tr>
</tbody>
</table>

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 36A
### Section 37

<table>
<thead>
<tr>
<th>E1</th>
<th>E2</th>
<th>Refined SR14</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2013+90 TO STA 2035+68</td>
<td>-</td>
<td>STA 2121+32 TO STA 2143+10</td>
</tr>
</tbody>
</table>

**Note:**
1. Track form shown is indicative.
2. Super elevation is not shown. Super elevation as shown in the same table.
3. For structural dimensions see structural typical sections.
4. Stationing along HSR SB track.

**NOTE:**

- **Track Form Shown:** Indicative. Super elevation not shown. Amount of applied super elevation shown in the curve tables.
- **Stationing:** Along HSR SB track.

**Section 37**

<table>
<thead>
<tr>
<th>STA 2013+90 TO STA 2035+68</th>
<th>-</th>
<th>STA 2121+32 TO STA 2143+10</th>
</tr>
</thead>
</table>

**Figure:**

- **San Fernando Level:**
- **Prop:**
- **Tunnel:**
- **AF Fence:**
- **EMERGENCY WALKWAY:**
- **DRAINAGE (TYP):**
- **PROTECTION, TYP:**

**Drawing Information:**

- **Designed by:** JC Alamilla
- **Drawn by:** JC Alamilla
- **In Charge:** A. Relaro

**Date:** 04/30/2021

**Project:** California High-Speed Rail Project

**Alignment:** "Refined SR14/E1/E2" Typical Sections

**Sheet:** Section 37

**Scale:** Not to scale

**PEPD RECORD SET:** REV 08

**NOT FOR CONSTRUCTION:**
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN; THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLE.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURAL TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 38

<table>
<thead>
<tr>
<th>E1</th>
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<th>REFINED SR14</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2035+68 TO STA 2052+58</td>
<td>-</td>
<td>STA 2143+10 TO STA 2160+00</td>
</tr>
</tbody>
</table>

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2" TYPICAL SECTIONS
SECTION 38
NOTE:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURAL TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 39

<table>
<thead>
<tr>
<th></th>
<th>E1</th>
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<th>REFINED SR14</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STA 2007+86 TO STA 2011+50</td>
<td>-</td>
<td>STA 2115+28 TO STA 2118+92</td>
</tr>
</tbody>
</table>

DESIGNED BY JC ALAMILLA
DRAWN BY JC ALAMILLA
CHECKED BY R. RODRIGUEZ
IN CHARGE A. RELARO

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 40

<table>
<thead>
<tr>
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<th>Refined SR14</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA</td>
<td>STA 2052+56 to 2111+48</td>
<td>STA 2160+60 to 2119+10</td>
<td></td>
</tr>
</tbody>
</table>

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 40
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG MIR 60 TRACK.

SECTION 41

<table>
<thead>
<tr>
<th></th>
<th>E1</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>STA 2111+68 TO STA 2123+76</td>
<td>-</td>
<td>STA 2219+10 TO STA 2231+18</td>
</tr>
</tbody>
</table>
NOTE:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR 50 TRACK.

SECTION 42

E1          E2          Refined SR14
STA 2123+76 TO STA 2132+00

STA 2231+18 TO STA 2239+42

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 42
NOTE:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 43

<table>
<thead>
<tr>
<th>E1</th>
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<th>REFINED SR14</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2132+00 TO STA 2132+94</td>
<td>STA 1929+20 TO STA 1929+96</td>
<td>STA 2020+42 TO STA 2020+96</td>
</tr>
</tbody>
</table>

DESIGNED BY
JC ALAMILLA

DRAWN BY
JC ALAMILLA

IN CHARGE
A. RELARO

DATE
04/30/2021

SNER CALIFORNIA
HIGH-SPEED RAIL AUTHORITY
CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 43

NOTE:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE TABLES.
4. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
5. STATIONING ALONG HSR SB TRACK.

SECTION 44

<table>
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<tr>
<th></th>
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<th>REFINED SR14</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>STA 1900+30 TO STA 1903+70</td>
</tr>
</tbody>
</table>

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 44
NOTE:
1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN.
3. FOR STRUCTURAL DIMENSIONS SEE STRUCTURE TYPICAL SECTIONS.
4. STATIONING ALONG HSR SB TRACK.

SECTION 45

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<tr>
<th>E1</th>
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<th>REFINED SR14</th>
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</thead>
<tbody>
<tr>
<td>STA 1909+50 TO STA 1929+20</td>
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</tbody>
</table>

CALIFORNIA HIGH-SPEED RAIL PROJECT
PALMDALE TO BURBANK
ALIGNMENT "REFINED SR14/E1/E2"
TYPICAL SECTIONS
SECTION 45