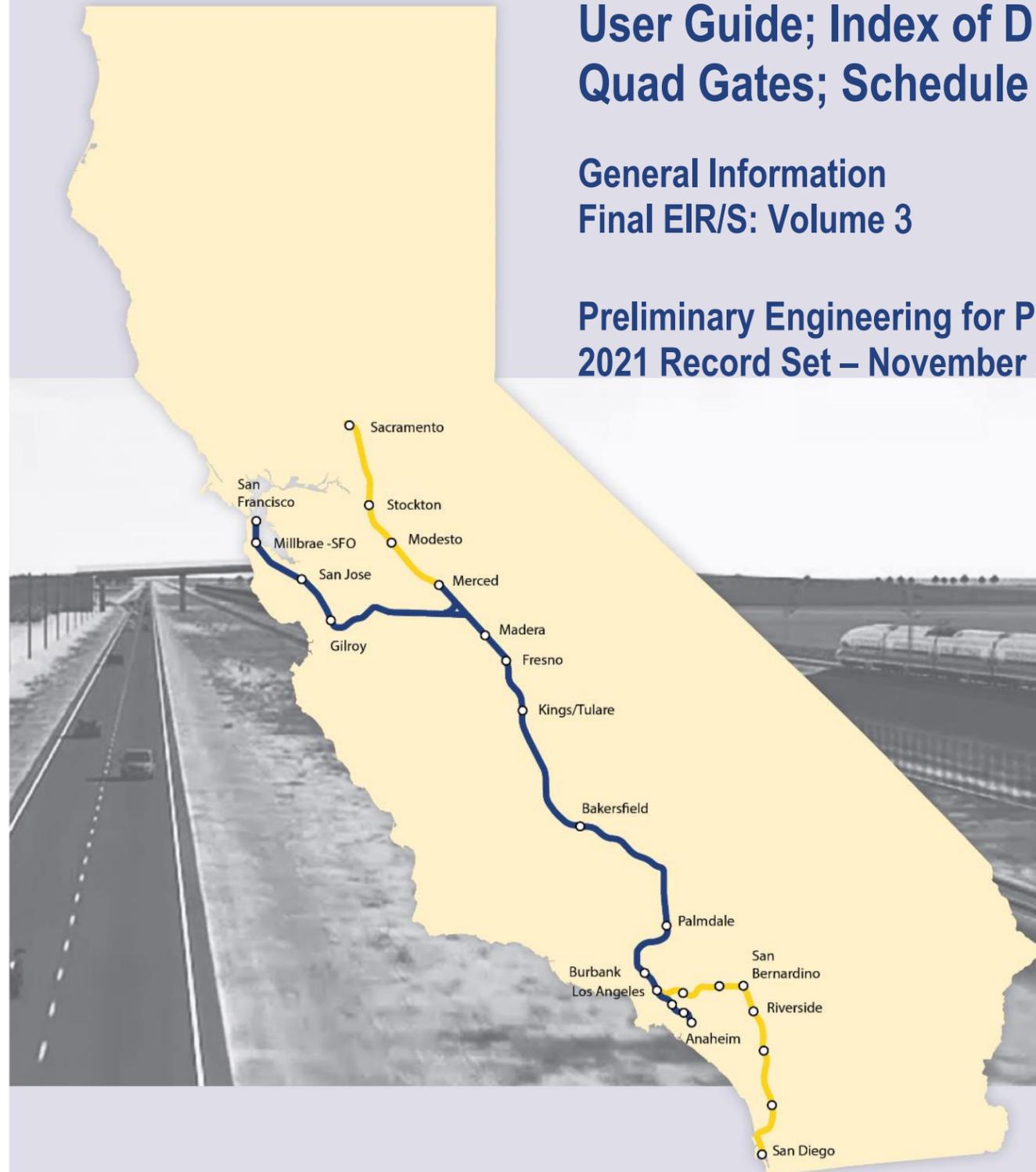


San Francisco to San Jose Project Section

User Guide; Index of Drawings; General Notes; Abbreviations; Schedule of Quad Gates; Schedule of Track Shifts, Station Equations; Key Maps

General Information
Final EIR/S: Volume 3

Preliminary Engineering for Project Definition
2021 Record Set – November 2021



**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 1 OF 30**

Volume III User Guide

Volume III of the Environmental Impact Report/Environmental Impact Statement (EIR/EIS) provides engineering drawings, figures, and tables for Alternatives A and B for the San Francisco to San Jose Project Section. It presents preliminary design information showing alignment, primary features, anticipated right-of-way requirements and temporary construction easement details in support of the proposed high-speed rail project.

Volume III is a part of the EIR/EIS document: it delineates the extents of the work proposed in the EIR/EIS. It also provides a useful tool for stakeholders who want to understand potential property, visual, and circulation impacts of the two project alternatives.

Organization of Volume III

Volume III has been split into several books for readability and navigation. Each book begins with an index of drawings included in that book, and an associated key map. The General Information Book has the full index of drawings while each Project Alternative Book only includes the index for that book.

General Information Book

The Volume III General Information Book provides the index of drawings, the key maps, and several general elements including general notes, abbreviations, systems, and quad gate applications (at-grade crossings where traffic lanes in both directions are protected by safety gates). It provides information that is common to the two alternatives.

Project Alternative Books

In addition to the General Information Book, detailed Volume III books are available for both project alternatives.

Contents of Project Alternative Books

The following information is included in the Project Alternative Books:

- Composite Plan, Profile, and Cross Sections:** Engineering drawings of the corridor and detailed plans that show the rail design and effects on adjacent rights-of-way and properties.
- Stations:** Illustrations of the planned stations, showing tracks, station platforms, parking lots, transit facilities, and station design elements. Includes tables describing each station program.
- Structures:** Plan and section drawings of underpasses, overpasses, viaducts, and tunnels.
- Roadway:** Plan drawings showing where streets and roads are closed, added, redirected, or extended.
- Light Maintenance Facility:** Drawings that illustrate the design of the planned light maintenance facility (LMF).
- Track Guideway and Horizontal Alignment Data Table:** Design information about track guideway curves and geometry, train design speeds, superelevations, and track stationing.

List of Project Alternative Books

Each set of Project Alternative Books is labeled based on the project alternative number, as listed below:

Alternative A Books

4th & King, San Francisco, to W. Alma Ave, San Jose

- A1 Composite Plans, Profile, and Cross Sections
- A2 Composite Plans, Profile, and Cross Sections
- A3 Stations
- A4 Structures, Roadway, Light Maintenance Facility, Alignment Data Table

Alternative B Books

4th & King, San Francisco, to Scott Boulevard, Santa Clara

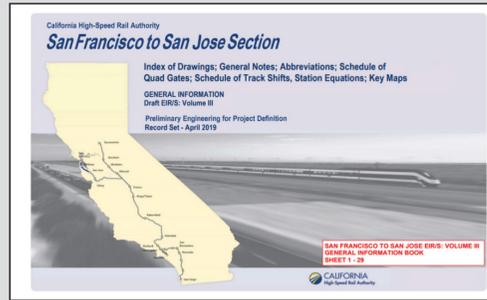
- B1 Composite Plan, Profile, and Cross Sections
- B2 Composite Plan, Profile, and Cross Sections
- B3 Stations, Structure and Roadway
- B4 Light Maintenance Facility, Track Guideway and Alignment Data Table

Scott Boulevard, Santa Clara, to W. Alma Ave, San Jose, Viaduct to I-880 Option

- B5 Composite Plan, Stations, Structures, Roadway, Alignment Data Table

Scott Boulevard, Santa Clara, to W. Alma Ave, San Jose, Viaduct to Scott Boulevard Option

- B6 Composite Plan, Stations, Structures, Roadway, Alignment Data Table



How to Find a Property in Volume III

You can use Volume III to identify impacts that project alternatives may have on specific areas. This information is contained in the drawings in Volume III books A1 and A2 for Alternative A and B1, B2, B5, and B6 for Alternative B. The composite plans include technical drawings to illustrate high-speed rail's design and its footprint (the footprint refers to the land used for the rail line, station construction, electric equipment, facilities, access roads, and other rail amenities).

The Key Maps

The Key Maps orient users to identify specific drawings along the corridor. Key Maps for both project alternatives are shown in the Volume III General Information Book on the sheets immediately following the Index.

To find a property adjacent to a high-speed rail alignment alternative:

1 Check the Key Maps

The Key Maps illustrate the drawing numbers for all of the detailed engineering drawings. They are shown on three separate sheets and depict the full project section from north to south.

2 Look for the City and Cross Streets

On the Key Maps, find the city name and cross streets or other landmarks to help you locate the part of the map where you want to take a closer look.

3 Find the Drawing Number

Each narrow rectangle represents the boundary of an engineering drawing and is labeled with a unique drawing number.

For example, if you want to look near Ralston Avenue in Belmont, you'll find it is shown on the map in the narrow rectangle labeled TT-D0113. TT-D0113 is the technical drawing for this area.

4 Locate the Book Number

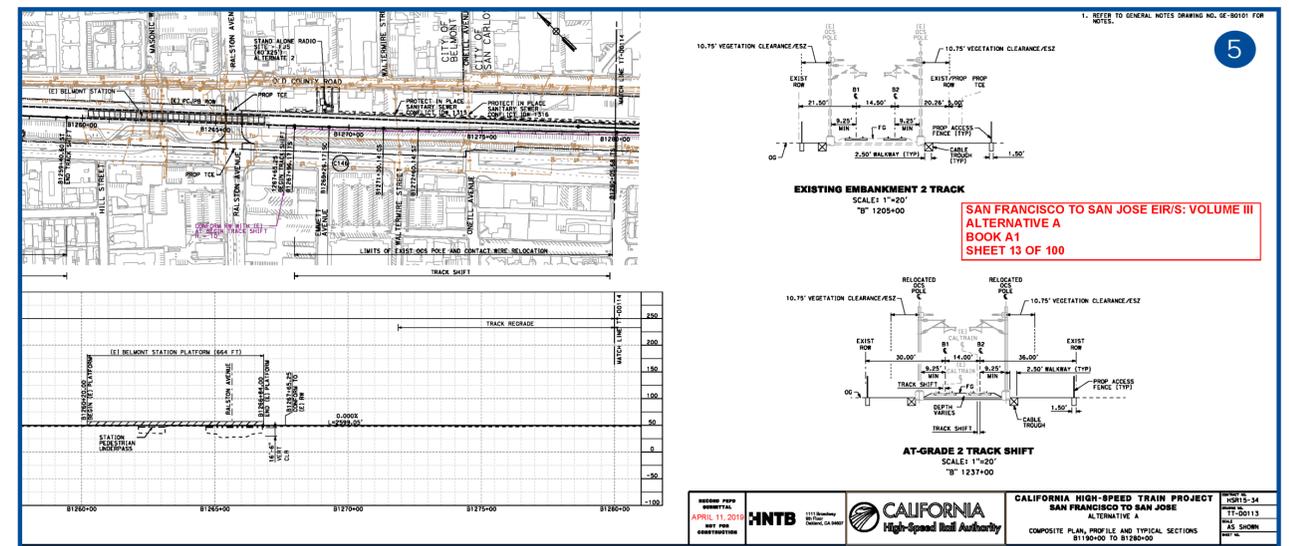
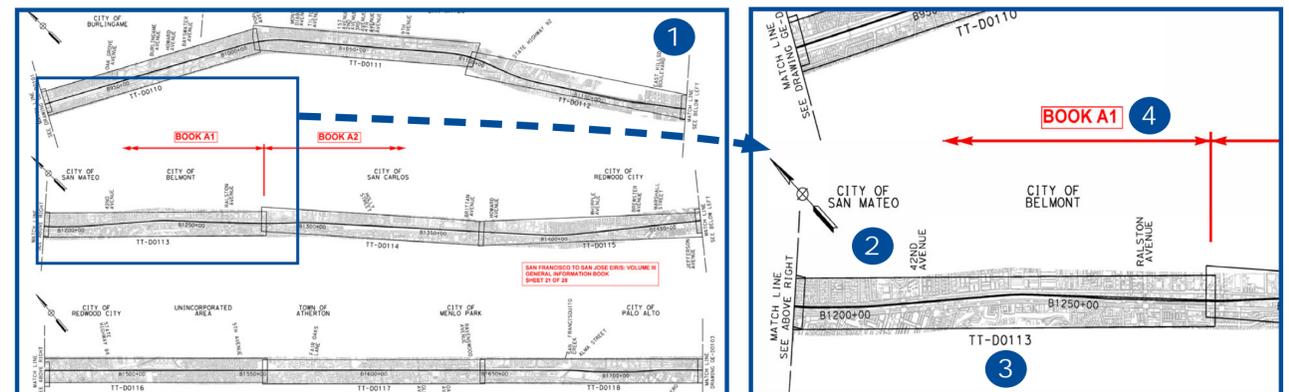
The Key Map shows where you'll find the engineering drawing you seek.

If you want to see drawing TT-D0113, you'll find it in Book A1.

5 Go to the Engineering Drawing

Find each detailed engineering drawing on its own page.

Open Book A1 and turn to drawing TT-D0113. This detailed drawing shows the entire section between 37th Avenue in San Mateo and the northernmost portion of San Carlos.



The Index

Each book begins with an index of drawings included in that book, and an associated key map. The General Information book includes a complete index. The complete index of drawings lists all of the pages (called "sheets") in numerical order. The different columns show the boundary or information available on each page. After finding a property on a Key Map, you can check the index for the composite plans (shown in the example below) to find additional information.

Book and Sheet Number show which Volume III book and sheet (or page) display the information listed on each row. This Index is for Book A1.

Each drawing has a **drawing number**. Drawing numbers on the Key Maps identify which maps illustrate specific geographic locations.

The San Francisco to San Jose Project Section is divided into **sub-sections**. For example, "San Bruno to San Mateo" is the name of a sub-section, so the maps in this area are listed under this subsection.

Geographic location refers to cross streets or landmarks. These provide a point of reference for the area shown and can help point you to the correct drawing.

Alignment or feature generally describes the feature(s) of the high-speed rail alignment shown or points to a specific highlight of the drawing.

The **sheet description** refers to the type of information presented on the sheet and the **additional description** typically describes the station limits.

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COMPOSITE PLANS							
BOOK A1	1	TT-D0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO	4TH & KING / 22ND ST	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B100+00 TO B195+00
BOOK A1	2	TT-D0102	SAN FRANCISCO TO SOUTH SAN FRANCISCO	23RD ST / I-280 / VENUS ST	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B195+00 TO B285+00
BOOK A1	3	TT-D0103	SAN FRANCISCO TO SOUTH SAN FRANCISCO	HWY 101 / BAYSHORE BLVD	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B285+00 TO B375+00
BOOK A1	4	TT-D0104	SAN FRANCISCO TO SOUTH SAN FRANCISCO	TUNNEL AVE	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B375+00 TO B465+00
BOOK A1	5	TT-D0105	SAN FRANCISCO TO SOUTH SAN FRANCISCO	BAYSHORE BLVD / HWY 101	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B465+00 TO B557+50
BOOK A1	6	TT-D0106	SAN FRANCISCO TO SOUTH SAN FRANCISCO/	HWY 101 / S. LINDEN AVE	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B557+50 TO B648+00
BOOK A1	7	TT-D0107	SAN BRUNO TO SAN MATEO	I-380 / SAN BRUNO AVE / SFO	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B648+00 TO B740+00
BOOK A1	8	TT-D0108	SAN BRUNO TO SAN MATEO	SFO / MILLBRAE CALTRAIN STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B740+00 TO B830+00
BOOK A1	9	TT-D0109	SAN BRUNO TO SAN MATEO	CALIFORNIA DR / BROADWAY CALTRAIN STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B830+00 TO B920+00
BOOK A1	10	TT-D0110	SAN BRUNO TO SAN MATEO	BURLINGAME CALTRAIN STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B920+00 TO B1010+00
BOOK A1	11	TT-D0111	SAN BRUNO TO SAN MATEO/	CALTRAIN SAN MATEO STATION / N. RAILROAD AVE /	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1010+00 TO B1100+00
BOOK A1	12	TT-D0112	SAN MATEO TO PALO ALTO	CALTRAIN HAYWARD PARK STATION / HWY 92 /	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1100+00 TO B1190+00
BOOK A1	13	TT-D0113	SAN MATEO TO PALO ALTO	EL CAMINO REAL / CALTRAIN BELMONT STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1190+00 TO B1280+00

Need Assistance?

Call us:
1-800-435-8670

Email us:
san francisco_san jose@hsr.ca.gov

Viewing Volume III as a PDF online? Downloaded a PDF from the High-Speed Rail Authority website?

You can use built-in PDF tools like bookmarks to navigate the document and the find function to locate places.

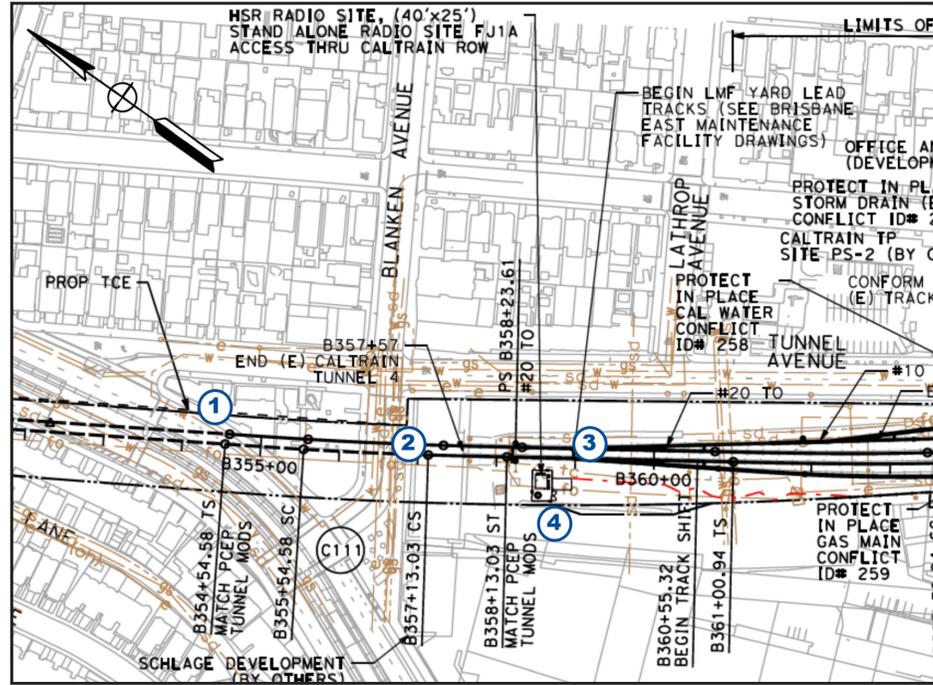
For example, use the find function (Ctrl+F on a PC; ⌘+F on a Mac) to search for a cross street. All instances of the street label will show up, including those in maps and engineering drawings.

Understanding the Information in Volume III

Plans

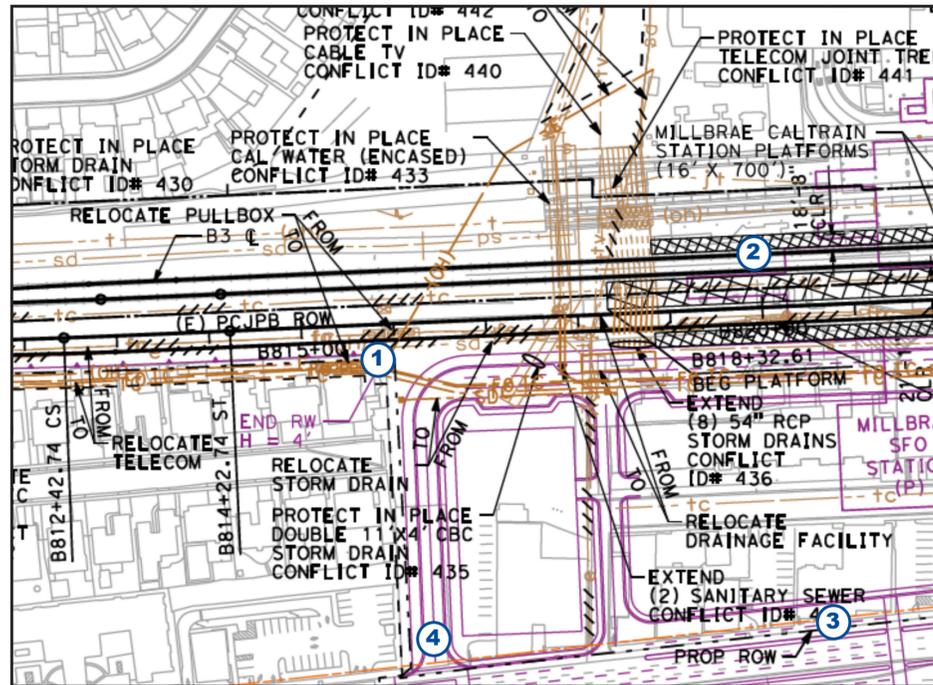
The plans in Volume III are detailed drawings of the project corridor that show the location of proposed high-speed rail infrastructure, existing and proposed rights-of-way, road alignments, utility lines, planned developments, and other features. Four enlarged examples from the plans are annotated below to highlight the different features that are labeled on these drawings.

- 1 The dashed line labeled "PROP TCE" indicates a proposed temporary construction easement.
- 2 Dashed lines indicate existing tracks. Solid lines indicate new or relocated track.
- 3 In this location, lead tracks for trains traveling to and from the Brisbane light maintenance facility (LMF) intersect with the trunk line (or main line).
- 4 The proposed locations of facilities such as stand-alone radio sites are shown on the plans. In this example, a stand-alone radio site is shown south of the tunnel.



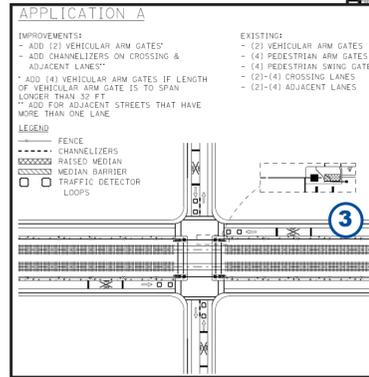
Example 1: South San Francisco near Blanken Avenue

- 1 Brown lines mark utility features such as gas, water, sewer, and telecommunications lines. A series of small slashes (///) shows where specific utility features will be removed and relocated.
- 2 The rectangle with small cross-hatching represents the Caltrain platform, while the high-speed rail train platform has large crosshatching.
- 3 The dashed line labeled "PROP ROW" indicates the boundary of the proposed high-speed rail right-of-way.
- 4 Magenta lines show proposed roadways and roadway realignments or restriping.



Example 2: North Side of Millbrae-SFO High-Speed Rail Station

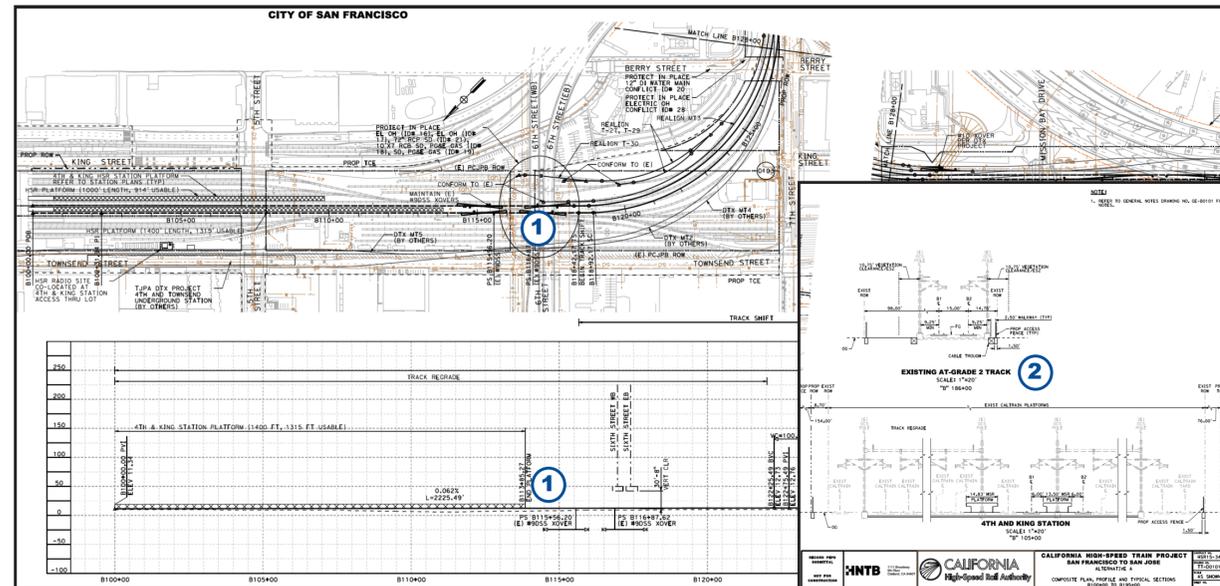
- 1 The location and style of quad gates that will be installed on 3rd Ave are labeled.
- 2 The location and style of quad gates that will be installed on 4th Ave are labeled.
- 3 The General Information Book contains drawings of the different applications of quad gates.



Example 3: Quad Gates in San Mateo

Cross Sections and Vertical Profiles

In addition to the plan view of the rail corridor, Volume III composite plan sheets include cross sections and a vertical profile of the alignment. Cross sections are shown on each sheet to represent the track configuration at a specific location on that drawing. A vertical profile is an engineering drawing representing what the design would look like from the side, or profile, of the alignment. An example is shown below.



Example 4: 4th and King Station in San Francisco

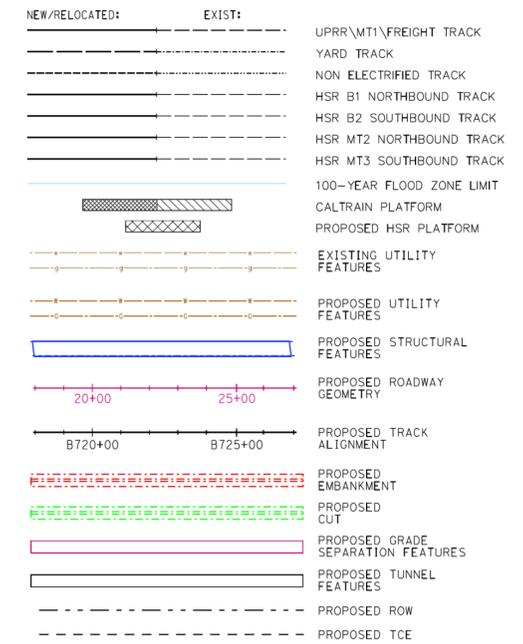
- 1 The profile corresponds to the plan above. The limits of the platform are shown in both the plan and profile views.
- 2 Stationing is provided to identify the limits that the cross section represents.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III GENERAL INFORMATION BOOK SHEET 3 OF 30

Colors/Legend

A legend for the composite plans can be found on sheet 15 of the General Information Book. The four previous examples highlight the most common markings that are found on the composite plans, but the legend may be referenced to help understand the information depicted in the plans.

- "MT" means main track and "B" indicates alignment stationing of the southbound passenger track with tick marks at 100' intervals.
- A 100-year flood event has a 1 in 100 (1%) chance of happening in any given year.
- Caltrain station platforms and high-speed rail station platforms are distinguished by different styles of hatching.
- Utilities are marked with brown lines.
- Structural features, marked with blue lines, generally refer to viaducts and other bridges.
- Realigned roadways are drawn in magenta.



Scale

The drawings in Volume III are scaled, meaning the measurements in these drawings are in proportion to the actual locations they represent. For example, one inch of a drawing might represent 600 feet of the real alignment. All drawings show their scale. Note that some drawings have different horizontal and vertical scales, and these are shown on the drawing.

SECTION
SCALE 1"=10'-0"

RETAINING WALL PROFILE
SCALE 1"=50'

PLAN
SCALE: 1"=200'
1"=200' HOR

600 0 600 1200
1"=600'
SCALE APPLICABLE FOR FULL SIZE ONLY

SAN FRANCISCO TO SAN JOSE

SHEET NO	DRAWING NO	ALTERNATIVE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
GENERAL					
1	COVER	SAN FRANCISCO TO SAN JOSE SECTION	4TH & KING TO W. ALMA	GENERAL INFORMATION	
2	USER GUIDE	GENERAL	USER GUIDE	SHEET 1 OF 2	
3	USER GUIDE	GENERAL	USER GUIDE	SHEET 2 OF 2	
4	GE-AG101	GENERAL	INDEX OF DRAWINGS		
5	GE-A1101	ALTERNATIVE A	INDEX OF DRAWINGS	SHEET 1 OF 5	
6	GE-A1102	ALTERNATIVE A	INDEX OF DRAWINGS	SHEET 2 OF 5	
7	GE-A1103	ALTERNATIVE A	INDEX OF DRAWINGS	SHEET 3 OF 5	
8	GE-A1104	ALTERNATIVE A	INDEX OF DRAWINGS	SHEET 4 OF 5	
9	GE-A1105	ALTERNATIVE A	INDEX OF DRAWINGS	SHEET 5 OF 5	
10	GE-A2101	ALTERNATIVE B	INDEX OF DRAWINGS	SHEET 1 OF 6	
11	GE-A2102	ALTERNATIVE B	INDEX OF DRAWINGS	SHEET 2 OF 6	
12	GE-A2103	ALTERNATIVE B	INDEX OF DRAWINGS	SHEET 3 OF 6	
13	GE-A2104	ALTERNATIVE B	INDEX OF DRAWINGS	SHEET 4 OF 6	
14	GE-A2105	ALTERNATIVE B	INDEX OF DRAWINGS	SHEET 5 OF 6	
15	GE-A2106	ALTERNATIVE B	INDEX OF DRAWINGS	SHEET 6 OF 6	
16	GE-A3101	MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT	INDEX OF DRAWINGS	SHEET 1 OF 1	
17	GE-B0101	GENERAL	GENERAL NOTES		
18	GE-C0101	GENERAL	ABBREVIATIONS	SHEET 1 OF 2	
19	GE-C0102	GENERAL	ABBREVIATIONS	SHEET 2 OF 2	
20	GE-R0101	GENERAL		SCHEDULE OF QUAD GATES	
21	GE-R0102	GENERAL		SCHEDULE OF TRACK SHIFTS, STATION EQUATIONS	AND THIRD PARTY PROJECT CONFORMS
22	GE-D1101	ALTERNATIVE A	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
23	GE-D1102	ALTERNATIVE A	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
24	GE-D1103	ALTERNATIVE A	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
25	GE-D1104	ALTERNATIVE A	KEY MAP	SYSTEM SITES	
26	GE-D2101	ALTERNATIVE B	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
27	GE-D2102	ALTERNATIVE B	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
28	GE-D2103	ALTERNATIVE B	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
29	GE-D2104	ALTERNATIVE B	KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
30	GE-D2105	ALTERNATIVE B	KEY MAP	SYSTEM SITES	

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**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
 GENERAL INFORMATION BOOK
 SHEET 4 OF 30**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE
 GENERAL
 INDEX OF DRAWINGS

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-AG101
SCALE	NONE
SHEET NO.	

ALTERNATIVE A - SAN FRANCISCO TO SAN JOSE

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK A1	A	COVER		4TH & KING TO W. ALMA	ALTERNATIVE A		
BOOK A1	B	GE-A1101	SAN FRANCISCO TO SOUTH SAN FRANCISCO, SAN BRUNO TO PALO ALTO	4TH & KING TO CALTRAIN BELMONT STATION	INDEX OF DRAWINGS	SHEET 1 OF 5	
BOOK A1	C	GE-D1101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK A1	D	GE-D1102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
BOOK A1	E	GE-D1103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
BOOK A1	F	GE-D1104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	

COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS							
BOOK A1	1	TT-D0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO	4TH & KING / 22ND ST	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B100+00 TO B195+00
BOOK A1	2	TT-D0102	SAN FRANCISCO TO SOUTH SAN FRANCISCO	23RD ST / I-280 / VENUS ST	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B195+00 TO B285+00
BOOK A1	3	TT-D0103	SAN FRANCISCO TO SOUTH SAN FRANCISCO	HWY 101 / BAYSHORE BLVD	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B285+00 TO B375+00
BOOK A1	4	TT-D0104	SAN FRANCISCO TO SOUTH SAN FRANCISCO	TUNNEL AVE	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B375+00 TO B465+00
BOOK A1	5	TT-D0105	SAN FRANCISCO TO SOUTH SAN FRANCISCO	BAYSHORE BLVD / HWY 101	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B465+00 TO B557+50
BOOK A1	6	TT-D0106	SAN FRANCISCO TO SOUTH SAN FRANCISCO / SAN BRUNO TO SAN MATEO	HWY 101 / S. LINDEN AVE	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B557+50 TO B648+00
BOOK A1	7	TT-D0107	SAN BRUNO TO SAN MATEO	I-380 / SAN BRUNO AVE / SFO	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B648+00 TO B740+00
BOOK A1	8	TT-D0108	SAN BRUNO TO SAN MATEO	SFO / MILLBRAE CALTRAIN STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B740+00 TO B830+00
BOOK A1	9	TT-D0109	SAN BRUNO TO SAN MATEO	CALIFORNIA DR / BROADWAY CALTRAIN STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B830+00 TO B920+00
BOOK A1	10	TT-D0110	SAN BRUNO TO SAN MATEO	BURLINGAME CALTRAIN STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B920+00 TO B1010+00
BOOK A1	11	TT-D0111	SAN BRUNO TO SAN MATEO / SAN MATEO TO PALO ALTO	CALTRAIN SAN MATEO STATION / N. RAILROAD AVE / 16TH AVE	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1010+00 TO B1100+00
BOOK A1	12	TT-D0112	SAN MATEO TO PALO ALTO	CALTRAIN HAYWARD PARK STATION / HWY 92 / CALTRAIN HILLSDALE STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1100+00 TO B1190+00
BOOK A1	13	TT-D0113	SAN MATEO TO PALO ALTO	EL CAMINO REAL / CALTRAIN BELMONT STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1190+00 TO B1280+00

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 5 OF 30**

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DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	

HNTB 1111 Broadway
9th Floor
Oakland, CA 94607



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE**
ALTERNATIVE A
INDEX OF DRAWINGS
SHEET 1 OF 5

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A1101
SCALE	NONE
SHEET NO.	

ALTERNATIVE A - SAN FRANCISCO TO SAN JOSE

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK A2	A	COVER		4TH & KING TO W. ALMA	ALTERNATIVE A	ALTERNATIVE A	
BOOK A2	B	GE-A1102	SAN MATEO TO PALO ALTO, MOUNTAIN VIEW TO SANTA CLARA, SAN JOSE DIRIDON STATION APPROACH	HARBOR BLVD TO CURTNER AVE	INDEX OF DRAWINGS	SHEET 2 OF 5	
BOOK A2	C	GE-D1101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK A2	D	GE-D1102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
BOOK A2	E	GE-D1103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
BOOK A2	F	GE-D1104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	

COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS							
BOOK A2	14	TT-D0114	SAN MATEO TO PALO ALTO	HARBOR BLVD / CALTRAIN SAN CARLOS STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1280+00 TO B1370+00
BOOK A2	15	TT-D0115	SAN MATEO TO PALO ALTO	HOWARD AVE / WHIPPLE AVE / CALTRAIN REDWOOD	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1370+00 TO B1465+00
BOOK A2	16	TT-D0116	SAN MATEO TO PALO ALTO	HWY 84 / 5TH AVE	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1465+00 TO B1555+00
BOOK A2	17	TT-D0117	SAN MATEO TO PALO ALTO	CALTRAIN ATHERTON STATION / CALTRAIN MENLO PARK	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1555+00 TO B1645+00
BOOK A2	18	TT-D0118	SAN MATEO TO PALO ALTO	CALTRAIN PALO ALTO STATION / CALTRAIN STANFORD	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1645+00 TO B1735+00
BOOK A2	19	TT-D0119	SAN MATEO TO PALO ALTO	CALTRAIN CALIFORNIA AVE STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1735+00 TO B1825+00
BOOK A2	20	TT-D0120	SAN MATEO TO PALO ALTO / MOUNTAIN VIEW TO SANTA CLARA	E. MEADOW DR / CALTRAIN SAN ANTONIO STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1825+00 TO B1915+00
BOOK A2	21	TT-D0121	MOUNTAIN VIEW TO SANTA CLARA	RENGSTORFF AVE / SHORELINE BLVD	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1915+00 TO B2005+00
BOOK A2	22	TT-D0122	MOUNTAIN VIEW TO SANTA CLARA	CALTRAIN MOUNTAIN VIEW STATION / HWY 85 / HWY 237	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2005+00 TO B2095+00
BOOK A2	23	TT-D0123	MOUNTAIN VIEW TO SANTA CLARA	CALTRAIN SUNNYVALE STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2095+00 TO B2185+00
BOOK A2	24	TT-D0124	MOUNTAIN VIEW TO SANTA CLARA	FAIR OAKS AVE / CALTRAIN LAWRENCE STATION	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2185+00 TO B2275+00
BOOK A2	25	TT-D0125	MOUNTAIN VIEW TO SANTA CLARA	CALABAZAS CREEK / BOWERS AVE / SAN TOMAS EXPY	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2275+00 TO B2365+00
BOOK A2	26	TT-D0126	MOUNTAIN VIEW TO SANTA CLARA	SCOTT BLVD	ALTERNATIVE A	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2365+00 TO B2375+00
BOOK A2	27	TT-D4001	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	SCOTT BLVD TO BENTON ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2782+86 TO B2952+50
BOOK A2	28	TT-D4002	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	NEWHALL ST TO EMORY ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2952+50 TO B3029+40
BOOK A2	29	TT-D4003	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	W TAYLOR ST TO SAN CARLOS ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B3029+40 TO B3112+50
BOOK A2	30	TT-D4003A	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	W TAYLOR ST TO SAN CARLOS ST	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B3029+40 TO B3112+50 - DIRIDON DESIGN VARIANT
BOOK A2	31	TT-D4004	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	I-280 TO HWY 87	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B3112+50 TO B3161+50
BOOK A2	32	TT-D4004A	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	I-280 TO HWY 87	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B3112+50 TO B3161+50 - DIRIDON DESIGN VARIANT
BOOK A2	33	TT-D4005	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	WILLOW ST TO CURTNER AVE	BLENDED AT-GRADE ALTERNATIVE	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B3161+50 TO B3249+50
BOOK A2	34	TT-Y4001-JM	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	N/A	MORGAN HILL AND GILROY	BLENDED AT-GRADE ALTERNATIVE	PROJECT BOUNDARY DETAILS
BOOK A2	35	TT-Y4001A	SAN JOSE DIRIDON STATION APPROACH (CP COAST TO GILROY)	N/A	BLENDED AT-GRADE ALTERNATIVE	PROJECT BOUNDARY DETAILS	DIRIDON DESIGN VARIANT

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 6 OF 30**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE**
ALTERNATIVE A
INDEX OF DRAWINGS
SHEET 2 OF 5

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A1102
SCALE	NONE
SHEET NO.	

ALTERNATIVE A - SAN FRANCISCO TO SAN JOSE

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK A3	A	COVER		4TH & KING TO W. ALMA	ALTERNATIVE A	ALTERNATIVE A	
BOOK A3	B	GE-A1103	SAN FRANCISCO TO SOUTH SAN FRANCISCO, SAN BRUNO TO SAN MATEO, SAN JOSE DIRIDON STATION APPROACH	STATION	INDEX OF DRAWINGS	SHEET 3 OF 5	
BOOK A3	C	GE-D1101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK A3	D	GE-D1102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
BOOK A3	E	GE-D1103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
BOOK A3	F	GE-D1104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	

STATIONS							
BOOK A3	36	AR-J0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	GENERAL SITE PLAN	
BOOK A3	37	AR-J0102	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	DETAILED SITE PLAN	
BOOK A3	38	AR-J0103	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	PLATFORM LEVEL PLAN	
BOOK A3	39	AR-J0104	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	SECTION	
BOOK A3	40	AR-J0105	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	MASSING DIAGRAM 1	
BOOK A3	41	AR-J0106	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	MASSING DIAGRAM 2	
BOOK A3	42	AR-J0107	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	FACILITY SIZING TABLE	
BOOK A3	43	AR-J0108	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	FACILITY SIZING TABLE	
BOOK A3	44	AR-J0109	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	FACILITY SIZING TABLE	
BOOK A3	45	AR-J0111	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	GENERAL SITE PLAN	
BOOK A3	46	AR-J0112	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	DETAILED SITE PLAN	
BOOK A3	47	AR-J0113	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	CONCOURSE PLAN	
BOOK A3	48	AR-J0114	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	SECTION	
BOOK A3	49	AR-J0115	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	MASSING DIAGRAM 1	
BOOK A3	50	AR-J0116	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	MASSING DIAGRAM 2	
BOOK A3	51	AR-J0117	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	FACILITY SIZING TABLE	
BOOK A3	52	AR-J0118	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	FACILITY SIZING TABLE	
BOOK A3	53	AR-J0119	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	FACILITY SIZING TABLE	
BOOK A3	54	AR-C0201	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	GENERAL SITE PLAN	
BOOK A3	55	AR-C0202	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	DETAILED SITE PLAN	
BOOK A3	56	AR-F0201	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	CONCOURSE PLAN	
BOOK A3	57	AR-Y0201	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	SECTION	
BOOK A3	58	AR-Y0202	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 1	
BOOK A3	59	AR-Y0203	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 2	
BOOK A3	60	AR-Y0204	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE	
BOOK A3	61	AR-Y0205	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE	
BOOK A3	62	AR-Y0206	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE	

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 7 OF 30**

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SAN FRANCISCO TO SAN JOSE**

ALTERNATIVE A
INDEX OF DRAWINGS
SHEET 3 OF 5

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A1103
SCALE	NONE
SHEET NO.	

ALTERNATIVE A - SAN FRANCISCO TO SAN JOSE

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK A4	A	COVER		4TH & KING TO W. ALMA	ALTERNATIVE A	ALTERNATIVE A	
BOOK A4	B	GE-A1104	SAN FRANCISCO TO SOUTH SAN FRANCISCO, SAN JOSE DIRIDON STATION APPROACH	COMPLEX STRUCTURES, GRADE SEPARATED AND MAINTENANCE	INDEX OF DRAWINGS	SHEET 4 OF 5	
BOOK A4	C	GE-A1105	ENTIRE ALTERNATIVE	ALIGNMENT DATA TABLE	INDEX OF DRAWINGS	SHEET 5 OF 5	
BOOK A4	D	GE-D1101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK A4	E	GE-D1102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
BOOK A4	F	GE-D1103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
BOOK A4	G	GE-D1104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	
STRUCTURES							
BOOK A4	63	ST-T0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO	N/A		OVERPASSES AND UNDERPASSES	TUNNEL AVE AND HILLCREST BLVD BRIDGES
BOOK A4	64	ST-T4001	SAN JOSE DIRIDON STATION APPROACH	N/A		UNDERPASSES	GENERAL PLAN 1 OF 4
BOOK A4	65	ST-T4002	SAN JOSE DIRIDON STATION APPROACH	N/A		UNDERPASSES	GENERAL PLAN 2 OF 4
BOOK A4	66	ST-T4003	SAN JOSE DIRIDON STATION APPROACH	N/A		UNDERPASSES	GENERAL PLAN 3 OF 4
BOOK A4	67	ST-V0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO	N/A	COMPLEX STRUCTURES	LMF LEAD TRACK PERGOLA	GENERAL PLAN
ROADWAY							
BOOK A4	68	CV-T0101	ALTERNATIVE A	N/A	GRADE SEPARATED ROADWAY	PLAN, PROFILE AND TYPICAL SECTIONS	TUNNEL AVENUE
LIGHT MAINTENANCE FACILITY							
BOOK A4	69	MY-C0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO	N/A	BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	70	MY-C0102	SAN FRANCISCO TO SOUTH SAN FRANCISCO	N/A	BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	71	MY-C0103	SAN FRANCISCO TO SOUTH SAN FRANCISCO	N/A	BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	72	MY-C0104	SAN FRANCISCO TO SOUTH SAN FRANCISCO	N/A	BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	73	MY-C0105	SAN FRANCISCO TO SOUTH SAN FRANCISCO	N/A	BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	74	MY-C0106	SAN FRANCISCO TO SOUTH SAN FRANCISCO	N/A	BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	75	MY-C0107	SAN FRANCISCO TO SOUTH SAN FRANCISCO	N/A	BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	76	MY-C0108	SAN FRANCISCO TO SOUTH SAN FRANCISCO	N/A	BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 8 OF 30**

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SAN FRANCISCO TO SAN JOSE
ALTERNATIVE A
INDEX OF DRAWINGS
SHEET 4 OF 5

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A1104
SCALE	NONE
SHEET NO.	

ALTERNATIVE A - SAN FRANCISCO TO SAN JOSE

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
TRACK GUIDEWAY HORIZONTAL ALIGNMENT DATA TABLE							
BOOK A4	77	TT-B0001	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C103 TO C106	
BOOK A4	78	TT-B0002	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C107 TO C109	
BOOK A4	79	TT-B0003	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C110 TO C112	
BOOK A4	80	TT-B0004	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C113 TO C117	
BOOK A4	81	TT-B0005	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C118 TO C120	
BOOK A4	82	TT-B0006	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C121 TO C124	
BOOK A4	83	TT-B0007	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C125 TO C128	
BOOK A4	84	TT-B0008	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C129 TO C131	
BOOK A4	85	TT-B0009	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C132	
BOOK A4	86	TT-B0010	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C133 TO C137	
BOOK A4	87	TT-B0011	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C138 TO C141	
BOOK A4	88	TT-B0012	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C142 TO C145	
BOOK A4	89	TT-B0013	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C146 TO C149	
BOOK A4	90	TT-B0014	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C150 TO C153	
BOOK A4	91	TT-B0015	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C154 TO C156	
BOOK A4	92	TT-B0016	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C157 TO C160	
BOOK A4	93	TT-B0017	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C161 TO C163	
BOOK A4	94	TT-B0018	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C164 TO C167	
BOOK A4	95	TT-B0019	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C168 TO C171	
BOOK A4	96	TT-B0020	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C173 TO C175	
BOOK A4	97	TT-B0021	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C176 TO C179	
BOOK A4	98	TT-B0022	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C180 TO C183	
BOOK A4	99	TT-B0023	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C184 TO C187	
BOOK A4	100	TT-B0024	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C188	
BOOK A4	101	TT-B4001	ALTERNATIVE 4	N/A	MT3 TRACK ALIGNMENT DATA TABLE	CURVE NO. C401 TO C404	
BOOK A4	102	TT-B4002	ALTERNATIVE 4	N/A	MT3 TRACK ALIGNMENT DATA TABLE	CURVE NO. C405 TO C408	
BOOK A4	103	TT-B4002A	ALTERNATIVE 4	N/A	MT3 TRACK ALIGNMENT DATA TABLE	CURVE NO. C405 TO C408 - DIRIDON DESIGN VARIANT	
BOOK A4	104	TT-B4003	ALTERNATIVE 4	N/A	MT3 TRACK ALIGNMENT DATA TABLE	CURVE NO. C409 TO C414	
BOOK A4	105	TT-B4003A	ALTERNATIVE 4	N/A	MT3 TRACK ALIGNMENT DATA TABLE	CURVE NO. C409 TO C414 - DIRIDON DESIGN VARIANT	
BOOK A4	106	TT-B4004	ALTERNATIVE 4	N/A	MT3 TRACK ALIGNMENT DATA TABLE	CURVE NO. C415 TO C418	

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SHEET 9 OF 30

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SAN FRANCISCO TO SAN JOSE
 ALTERNATIVE A
 INDEX OF DRAWINGS
 SHEET 5 OF 5

CONTRACT NO. HSR15-34
DRAWING NO. GE-A1105
SCALE NONE
SHEET NO.

ALTERNATIVE B - SAN FRANCISCO TO SAN JOSE (4TH/KING TO SCOTT BOULEVARD)

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK B1	A	COVER		4TH & KING TO SCOTT BLVD	ALTERNATIVE B		
BOOK B1	B	GE-A2101	SAN FRANCISCO TO SOUTH SAN FRANCISCO, SAN BRUNO TO PALO ALTO	4TH & KING TO CALTRAIN BELMONT STATION	INDEX OF DRAWINGS	SHEET 1 OF 6	
BOOK B1	C	GE-D2101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B1	D	GE-D2102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B1	E	GE-D2103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B1	F	GE-D2104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B1	G	GE-D2105	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	
COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS							
BOOK B1	1	TT-D0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO	4TH & KING / 22ND ST		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B100+00 TO B195+00
BOOK B1	2	TT-D0102	SAN FRANCISCO TO SOUTH SAN FRANCISCO	23RD ST / I-280 / VENUS ST		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B195+00 TO B285+00
BOOK B1	3	TT-D0203	SAN FRANCISCO TO SOUTH SAN FRANCISCO	BLANKEN AVE / TUNNEL AVE		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B358+00 TO B375+00
BOOK B1	4	TT-D0204	SAN FRANCISCO TO SOUTH SAN FRANCISCO	TUNNEL AVE / BAYSHORE BLVD		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B375+00 TO B465+00
BOOK B1	5	TT-D0205	SAN FRANCISCO TO SOUTH SAN FRANCISCO	BAYSHORE BLVD / HWY 101		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B465+00 TO B545+00
BOOK B1	6	TT-D0106	SAN FRANCISCO TO SOUTH SAN FRANCISCO/ SAN BRUNO TO SAN MATEO	HWY 101 / S. LINDEN AVE		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B557+50 TO B648+00
BOOK B1	7	TT-D0107	SAN BRUNO TO SAN MATEO	I-380 / SAN BRUNO AVE / SFO		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B648+00 TO B740+00
BOOK B1	8	TT-D0108	SAN BRUNO TO SAN MATEO	SFO / MILLBRAE CALTRAIN STATION		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B740+00 TO B830+00
BOOK B1	9	TT-D0109	SAN BRUNO TO SAN MATEO	CALIFORNIA DR / BROADWAY CALTRAIN STATION		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B830+00 TO B920+00
BOOK B1	10	TT-D0110	SAN BRUNO TO SAN MATEO	BURLINGAME CALTRAIN STATION		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B920+00 TO B1010+00
BOOK B1	11	TT-D0211	SAN BRUNO TO SAN MATEO/ SAN MATEO TO PALO ALTO	CALTRAIN SAN MATEO STATION / N. RAILROAD AVE / 16TH AVE		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1071+00 TO B1100+00
BOOK B1	12	TT-D0212	SAN MATEO TO PALO ALTO	CALTRAIN HAYWARD PARK STATION / HWY 92 / CALTRAIN HILLSDALE STATION		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1100+00 TO B1190+00
BOOK B1	13	TT-D0213	SAN MATEO TO PALO ALTO	EL CAMINO REAL / CALTRAIN BELMONT STATION		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1190+00 TO B1280+00

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 10 OF 30**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE**
ALTERNATIVE B
INDEX OF DRAWINGS
SHEET 1 OF 6

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A2101
SCALE	NONE
SHEET NO.	

ALTERNATIVE B - SAN FRANCISCO TO SAN JOSE (4TH/KING TO SCOTT BOULEVARD)

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK B2	A	COVER		4TH & KING TO SCOTT BLVD	ALTERNATIVE B		
BOOK B2	B	GE-A2102	SAN MATEO TO PALO ALTO, MOUNTAIN VIEW TO SANTA CLARA	HARBOR BLVD TO SCOTT BLVD	INDEX OF DRAWINGS	SHEET 2 OF 6	
BOOK B2	C	GE-D2101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B2	D	GE-D2102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B2	E	GE-D2103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B2	F	GE-D2104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B2	G	GE-D2105	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	

COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS							
BOOK B2	14	TT-D0214	SAN MATEO TO PALO ALTO	HARBOR BLVD / CALTRAIN SAN CARLOS STATION		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1280+00 TO B1370+00
BOOK B2	15	TT-D0215	SAN MATEO TO PALO ALTO	HOWARD AVE / WHIPPLE AVE		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1370+00 TO B1420+00
BOOK B2	16	TT-D0116	SAN MATEO TO PALO ALTO	HWY 84 / 5TH AVE		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1465+00 TO B1555+00
BOOK B2	17	TT-D0117	SAN MATEO TO PALO ALTO	CALTRAIN ATHERTON STATION / CALTRAIN MENLO PARK		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1555+00 TO B1645+00
BOOK B2	18	TT-D0118	SAN MATEO TO PALO ALTO	CALTRAIN PALO ALTO STATION / CALTRAIN STANFORD		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1645+00 TO B1735+00
BOOK B2	19	TT-D0119	SAN MATEO TO PALO ALTO	CALTRAIN CALIFORNIA AVE STATION		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1735+00 TO B1825+00
BOOK B2	20	TT-D0120	SAN MATEO TO PALO ALTO / MOUNTAIN VIEW TO SANTA CLARA	E. MEADOW DR / CALTRAIN SAN ANTONIO STATION		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1825+00 TO B1915+00
BOOK B2	21	TT-D0121	MOUNTAIN VIEW TO SANTA CLARA	RENGSTORFF AVE / SHORELINE BLVD		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B1915+00 TO B2005+00
BOOK B2	22	TT-D0122	MOUNTAIN VIEW TO SANTA CLARA	CALTRAIN MOUNTAIN VIEW STATION / HWY 85 / HWY 237		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2005+00 TO B2095+00
BOOK B2	23	TT-D0123	MOUNTAIN VIEW TO SANTA CLARA	CALTRAIN SUNNYVALE STATION		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2095+00 TO B2185+00
BOOK B2	24	TT-D0124	MOUNTAIN VIEW TO SANTA CLARA	FAIR OAKS AVE / CALTRAIN LAWRENCE STATION		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2185+00 TO B2275+00
BOOK B2	25	TT-D0125	MOUNTAIN VIEW TO SANTA CLARA	CALABAZAS CREEK / BOWERS AVE / SAN TOMAS EXPY		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2275+00 TO B2365+00
BOOK B2	26	TT-D0126	MOUNTAIN VIEW TO SANTA CLARA	SCOTT BLVD		COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2365+00 TO B2375+00

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 11 OF 30**

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SAN FRANCISCO TO SAN JOSE**
ALTERNATIVE B
INDEX OF DRAWINGS
SHEET 2 OF 6

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A2102
SCALE	NONE
SHEET NO.	

ALTERNATIVE B - SAN FRANCISCO TO SAN JOSE (4TH/KING TO SCOTT BOULEVARD)

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK B3	A	COVER		4TH & KING TO SCOTT BLVD	ALTERNATIVE B	ALTERNATIVE A	
BOOK B3	B	GE-A2103	ENTIRE ALTERNATIVE	STATION, COMPLEX STRUCTURES AND GRADE SEPARATED	INDEX OF DRAWINGS	SHEET 3 OF 6	
BOOK B3	C	GE-D2101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B3	D	GE-D2102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B3	E	GE-D2103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B3	F	GE-D2104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B3	G	GE-D2105	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	
STATIONS							
BOOK B3	27	AR-J0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	GENERAL SITE PLAN	
BOOK B3	28	AR-J0102	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	DETAILED SITE PLAN	
BOOK B3	29	AR-J0103	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	PLATFORM LEVEL PLAN	
BOOK B3	30	AR-J0104	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	SECTION	
BOOK B3	31	AR-J0105	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	MASSING DIAGRAM 1	
BOOK B3	32	AR-J0106	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	MASSING DIAGRAM 2	
BOOK B3	33	AR-J0107	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	FACILITY SIZING TABLE	
BOOK B3	34	AR-J0108	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	FACILITY SIZING TABLE	
BOOK B3	35	AR-J0109	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	FACILITY SIZING TABLE	
BOOK B3	36	AR-J0111	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	GENERAL SITE PLAN	
BOOK B3	37	AR-J0112	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	DETAILED SITE PLAN	
BOOK B3	38	AR-J0113	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	CONCOURSE PLAN	
BOOK B3	39	AR-J0114	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	SECTION	
BOOK B3	40	AR-J0115	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	MASSING DIAGRAM 1	
BOOK B3	41	AR-J0116	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	MASSING DIAGRAM 2	
BOOK B3	42	AR-J0117	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	FACILITY SIZING TABLE	
BOOK B3	43	AR-J0118	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	FACILITY SIZING TABLE	
BOOK B3	44	AR-J0119	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	FACILITY SIZING TABLE	
STRUCTURES							
BOOK B3	45	ST-T0201	ALTERNATIVE B	N/A		OVERPASSES AND UNDERPASSES	SHEET 1 OF 4
BOOK B3	46	ST-T0202	ALTERNATIVE B	N/A		OVERPASSES AND UNDERPASSES	SHEET 2 OF 4
BOOK B3	47	ST-T0203	ALTERNATIVE B	N/A		OVERPASSES AND UNDERPASSES	SHEET 3 OF 4
BOOK B3	48	ST-T0204	ALTERNATIVE B	N/A		OVERPASSES AND UNDERPASSES	SHEET 4 OF 4
BOOK B3	49	ST-V0201	ALTERNATIVE B	N/A	COMPLEX STRUCTURES	LMF LEAD TRACK PERGOLA	GENERAL PLAN
ROADWAY							
BOOK B3	50	CV-T0201	ALTERNATIVE B	N/A	GRADE SEPARATED ROADWAY	PLAN, PROFILE AND TYPICAL SECTIONS	TUNNEL AVENUE

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 12 OF 30**

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ALTERNATIVE B
INDEX OF DRAWINGS
SHEET 3 OF 6

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A2103
SCALE	NONE
SHEET NO.	

ALTERNATIVE B - SAN FRANCISCO TO SAN JOSE (4TH/KING TO SCOTT BOULEVARD)

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK B4	A	COVER		4TH & KING TO SCOTT BLVD	ALTERNATIVE B	ALTERNATIVE A	
BOOK B4	B	GE-A2104	ENTIRE ALTERNATIVE	MAINTENANCE, ALIGNMENT DATA TABLE	INDEX OF DRAWINGS	SHEET 4 OF 6	
BOOK B4	C	GE-D2101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B4	D	GE-D2102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B4	E	GE-D2103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B4	F	GE-D2104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B4	G	GE-D2105	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	

LIGHT MAINTENANCE FACILITY

BOOK B4	51	MY-C0201	ALTERNATIVE B	N/A	BRISBANE LIGHT MAINTENANCE FACILITY WEST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK B4	52	MY-C0202	ALTERNATIVE B	N/A	BRISBANE LIGHT MAINTENANCE FACILITY WEST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK B4	53	MY-C0203	ALTERNATIVE B	N/A	BRISBANE LIGHT MAINTENANCE FACILITY WEST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK B4	54	MY-C0204	ALTERNATIVE B	N/A	BRISBANE LIGHT MAINTENANCE FACILITY WEST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK B4	55	MY-C0205	ALTERNATIVE B	N/A	BRISBANE LIGHT MAINTENANCE FACILITY WEST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK B4	56	MY-C0206	ALTERNATIVE B	N/A	BRISBANE LIGHT MAINTENANCE FACILITY WEST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK B4	57	MY-C0207	ALTERNATIVE B	N/A	BRISBANE LIGHT MAINTENANCE FACILITY WEST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	

TRACK GUIDEWAY HORIZONTAL ALIGNMENT DATA TABLE

BOOK B4	58	TT-B0001	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C103 TO C106	
BOOK B4	59	TT-B0002	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C107 TO C109	
BOOK B4	60	TT-B0003	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C110 TO C112	
BOOK B4	61	TT-B0051	ALTERNATIVE B	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C201 TO C204	
BOOK B4	62	TT-B0052	ALTERNATIVE B	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C205 TO C207	
BOOK B4	63	TT-B0005	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C118 TO C120	
BOOK B4	64	TT-B0006	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C121 TO C124	
BOOK B4	65	TT-B0007	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C125 TO C128	
BOOK B4	66	TT-B0008	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C129 TO C131	
BOOK B4	67	TT-B0009	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C132	
BOOK B4	68	TT-B0010	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C133 TO C137	
BOOK B4	69	TT-B0052	ALTERNATIVE B	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C205 TO C207	
BOOK B4	70	TT-B0053	ALTERNATIVE B	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C208 TO C211	
BOOK B4	71	TT-B0054	ALTERNATIVE B	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C212 TO C215	
BOOK B4	72	TT-B0055	ALTERNATIVE B	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C216 TO C218	
BOOK B4	73	TT-B0015	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C154 TO C156	
BOOK B4	74	TT-B0016	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C157 TO C160	
BOOK B4	75	TT-B0017	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C161 TO C163	
BOOK B4	76	TT-B0018	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C164 TO C167	
BOOK B4	77	TT-B0019	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C168 TO C171	
BOOK B4	78	TT-B0020	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C173 TO C175	
BOOK B4	79	TT-B0021	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C176 TO C179	
BOOK B4	80	TT-B0022	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C180 TO C183	
BOOK B4	81	TT-B0023	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C184 TO C187	
BOOK B4	82	TT-B0024	ALTERNATIVE A	N/A	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C188	

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 13 OF 30**

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SAN FRANCISCO TO SAN JOSE**

ALTERNATIVE B
INDEX OF DRAWINGS
SHEET 4 OF 6

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A2104
SCALE	NONE
SHEET NO.	

ALTERNATIVE B - SAN FRANCISCO TO SAN JOSE (SCOTT BOULEVARD TO W. ALMA AVE) - VIADUCT TO I-880

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK B5	A	COVER		SCOTT BLVD TO W. ALMA AVE	ALTERNATIVE B	SCOTT BLVD TO W. ALMA	VIADUCT TO I-881
BOOK B5	B	GE-A2105	SAN JOSE DIRIDON STATION APPROACH	SCOTT BLVD TO W. ALMA AVE	INDEX OF DRAWINGS	SHEET 5 OF 6	
BOOK B5	C	GE-D2101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B5	D	GE-D2102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B5	E	GE-D2103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B5	F	GE-D2104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B5	G	GE-D2105	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	
COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS							
BOOK B5	83	TT-D0151	SAN JOSE DIRIDON STATION APPROACH	SCOTT BLVD TO BROKAW RD	VIADUCT TO I-880	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B2250+00 TO B2340+00
BOOK B5	84	TT-D0152	SAN JOSE DIRIDON STATION APPROACH	I-880 TO W TAYLOR ST	VIADUCT TO I-880	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B2340+00 TO B2430+00
BOOK B5	85	TT-D0153	SAN JOSE DIRIDON STATION APPROACH	CINNABAR ST TO PARK AVE	VIADUCT TO I-880	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B2430+00 TO B58+00
BOOK B5	86	TT-D0301	SAN JOSE DIRIDON STATION APPROACH	PARK AVE TO WILLOW ST	VIADUCT TO I-880	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B58+00 TO B125+00
BOOK B5	87	TT-Y0301	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	PROJECT BOUNDARY DETAILS	
BOOK B5	88	TT-D0401	SAN JOSE DIRIDON STATION APPROACH	WILLOW ST TO CURTNER AVE	VIADUCT TO I-880	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B125+00 TO B211+00
BOOK B5	89	TT-Y0401	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT / AT-GRADE	PROJECT BOUNDARY DETAILS	
STATIONS							
BOOK B5	90	AR-C0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CONCEPTUAL SITE PLAN
BOOK B5	91	AR-C0102	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	DETAILED SITE PLAN
BOOK B5	92	AR-F0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CONCOURSE PLAN
BOOK B5	93	AR-Y0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	SECTION
BOOK B5	94	AR-Y0102	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 1
BOOK B5	95	AR-Y0103	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 2
BOOK B5	96	AR-Y0104	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B5	97	AR-Y0105	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B5	98	AR-Y0106	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B5	99	AR-Y0107	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
STRUCTURES							
BOOK B5	100	ST-V0151	SAN JOSE DIRIDON STATION APPROACH	W TAYLOR ST	VIADUCT TO I-880	COMPLEX STRUCTURES	GENERAL PLAN 1 OF 2
BOOK B5	101	ST-V0152	SAN JOSE DIRIDON STATION APPROACH	W SANTA CLARA ST	VIADUCT TO I-880	COMPLEX STRUCTURES	GENERAL PLAN 2 OF 2
BOOK B5	102	ST-T0151	SAN JOSE DIRIDON STATION APPROACH	UPRR T-13, W TAYLOR ST	VIADUCT TO I-880	OVERPASSES AND UNDERPASSES	HEDDING ST AND TAYLOR ST
BOOK B5	103	ST-V0301	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 1 OF 3
BOOK B5	104	ST-V0302	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 2 OF 3
BOOK B5	105	ST-V0303	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 3 OF 3
BOOK B5	106	ST-T0301	SAN JOSE DIRIDON STATION APPROACH	I-880, SR 85	VIADUCT TO I-880	CALTRANS STRUCTURES	GENERAL PLAN
ROADWAY							
BOOK B5	107	CV-T0151	SAN JOSE DIRIDON STATION APPROACH	CHESTNUT AVE, ELM ST	VIADUCT TO I-880	PLAN, PROFILE AND TYPICAL SECTIONS	WEST HEDDING STREET
BOOK B5	108	CV-T0152	SAN JOSE DIRIDON STATION APPROACH	W TAYLOR ST, COLEMAN AVE	VIADUCT TO I-880	PLAN, PROFILE AND TYPICAL SECTIONS	WEST TAYLOR STREET
TRACK GUIDEWAY HORIZONTAL ALIGNMENT DATA TABLE							
BOOK B5	109	TT-B0101-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TRACK ALIGNMENT DATA TABLE	CURVE NO. C189 AND C190
BOOK B5	110	TT-B0102-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TRACK ALIGNMENT DATA TABLE	CURVE NO. C191 AND C192
BOOK B5	111	TT-B0103-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TRACK ALIGNMENT DATA TABLE	CURVE NO. C193
BOOK B5	112	TT-B0104	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C101 AND C102
BOOK B5	113	TT-B0105	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C103 AND C104

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 14 OF 30**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE
 ALTERNATIVE B
 INDEX OF DRAWINGS
 SHEET 5 OF 6

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A2105
SCALE	NONE
SHEET NO.	

ALTERNATIVE B - SAN FRANCISCO TO SAN JOSE (SCOTT BOULEVARD TO W. ALMA AVE) - VIADUCT TO SCOTT BOULEVARD

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK B6	A	COVER		SCOTT BLVD TO W. ALMA AVE	ALTERNATIVE B	SCOTT BLVD TO W. ALMA	VIADUCT TO SCOTT BLVD
BOOK B6	B	GE-A2106	SAN JOSE DIRIDON STATION APPROACH	SCOTT BLVD TO W. ALMA AVE	INDEX OF DRAWINGS	SHEET 6 OF 6	
BOOK B6	C	GE-D2101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B6	D	GE-D2102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B6	E	GE-D2103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B6	F	GE-D2104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B6	G	GE-D2105	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	
COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS							
BOOK B6	114	TT-D0251	SAN JOSE DIRIDON STATION APPROACH	SCOTT BLVD TO BENTON ST	VIADUCT TO SCOTT BLVD	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2250+00 TO B2340+00
BOOK B6	115	TT-D0252	SAN JOSE DIRIDON STATION APPROACH	NEWHALL ST TO W TAYLOR ST	VIADUCT TO SCOTT BLVD	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2340+00 TO B2430+00
BOOK B6	116	TT-D0253	SAN JOSE DIRIDON STATION APPROACH	CINNABAR ST TO PARK AVE	VIADUCT TO SCOTT BLVD	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B2430+00 TO B58+00
BOOK B6	117	TT-D0301	SAN JOSE DIRIDON STATION APPROACH	PARK AVE TO WILLOW ST	VIADUCT TO SCOTT BLVD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B58+00 TO B125+00
BOOK B6	118	TT-Y0301	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	PROJECT BOUNDARY DETAILS	
BOOK B6	119	TT-D0401	SAN JOSE DIRIDON STATION APPROACH	WILLOW ST TO CURTNER AVE	VIADUCT TO SCOTT BLVD	COMPOSITE PLAN, PROFILE AND CROSS SECTIONS	B125+00 TO B211+00
BOOK B6	120	TT-Y0401	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT / AT-GRADE	PROJECT BOUNDARY DETAILS	
STATIONS							
BOOK B6	121	AR-C0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CONCEPTUAL SITE PLAN
BOOK B6	122	AR-C0102	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	DETAILED SITE PLAN
BOOK B6	123	AR-F0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CONCOURSE PLAN
BOOK B6	124	AR-Y0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	SECTION
BOOK B6	125	AR-Y0102	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM
BOOK B6	126	AR-Y0103	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM
BOOK B6	127	AR-Y0104	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B6	128	AR-Y0105	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B6	129	AR-Y0106	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B6	130	AR-Y0107	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
STRUCTURES							
BOOK B6	131	ST-V0251	SAN JOSE DIRIDON STATION APPROACH	LAFAYETTE ST	VIADUCT TO SCOTT BLVD	COMPLEX STRUCTURES	GENERAL PLAN 1 OF 5
BOOK B6	132	ST-V0252	SAN JOSE DIRIDON STATION APPROACH	DE LA CRUZ BLVD	VIADUCT TO SCOTT BLVD	COMPLEX STRUCTURES	GENERAL PLAN 2 OF 5
BOOK B6	133	ST-V0253	SAN JOSE DIRIDON STATION APPROACH	ENTON ST, I 880	VIADUCT TO SCOTT BLVD	COMPLEX STRUCTURES	GENERAL PLAN 3 OF 5
BOOK B6	134	ST-V0254	SAN JOSE DIRIDON STATION APPROACH	W TAYLOR ST	VIADUCT TO SCOTT BLVD	COMPLEX STRUCTURES	GENERAL PLAN 4 OF 5
BOOK B6	135	ST-V0255	SAN JOSE DIRIDON STATION APPROACH	W SANTA CLARA ST	VIADUCT TO SCOTT BLVD	COMPLEX STRUCTURES	GENERAL PLAN 5 OF 5
BOOK B6	136	ST-T0251	SAN JOSE DIRIDON STATION APPROACH	DE LA CRUZ BLVD	VIADUCT TO SCOTT BLVD	OVERPASSES AND UNDERPASSES	DE LA CRUZ BLVD
BOOK B6	137	ST-T0252	SAN JOSE DIRIDON STATION APPROACH	STOCKTON AVE, UPRR	VIADUCT TO SCOTT BLVD	OVERPASSES AND UNDERPASSES	WEST HEDDING STREET
ROADWAY							
BOOK B6	138	CV-T0251	SAN JOSE DIRIDON STATION APPROACH	COLEMAN AVE, DE LA CRUZ BLVD	VIADUCT TO SCOTT BLVD	PLAN, PROFILE AND TYPICAL SECTIONS - SHEET 1 OF 2	DE LA CRUZ AVENUE
BOOK B6	139	CV-T0252	SAN JOSE DIRIDON STATION APPROACH	DE LA CRUZ BLVD	VIADUCT TO SCOTT BLVD	PLAN, PROFILE AND TYPICAL SECTIONS - SHEET 2 OF 2	DE LA CRUZ AVENUE
BOOK B6	140	CV-T0253	SAN JOSE DIRIDON STATION APPROACH	STOCKTON AVE, ELM ST	VIADUCT TO SCOTT BLVD	PLAN, PROFILE AND TYPICAL SECTIONS	WEST HEDDING STREET
BOOK B6	141	CV-T0401	SAN JOSE DIRIDON STATION APPROACH	WILLOW ST, W ALMA AVE	VIADUCT/AT-GRADE	GRADE SEPARATION LAYOUT, PROFILE, & CROSS SECTIONS	SR87 ON-RAMP
TRACK GUIDEWAY HORIZONTAL ALIGNMENT DATA TABLE							
BOOK B6	142	TT-B0201-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	TRACK ALIGNMENT DATA TABLE	CURVE NO. C189 AND C190
BOOK B6	143	TT-B0202-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	TRACK ALIGNMENT DATA TABLE	CURVE NO. C191 AND C192
BOOK B6	144	TT-B0103-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	TRACK ALIGNMENT DATA TABLE	CURVE NO. C193
BOOK B6	145	TT-B0104	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C101 AND C102
BOOK B6	146	TT-B0105	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C103 AND C104

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 15 OF 30**

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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE
 ALTERNATIVE B
 INDEX OF DRAWINGS
 SHEET 6 OF 6

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A2106
SCALE	NONE
SHEET NO.	

ALTERNATIVES A & B - SAN FRANCISCO TO SAN JOSE: MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT

BOOK	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, INDEX OF DRAWING AND KEY MAPS							
BOOK C	A	COVER		MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT	ALTERNATIVE A & B: MRSP DESIGN VARIANT		
BOOK C	B	GE-A3101	SAN BRUNO TO SAN MATEO	MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT	INDEX OF DRAWINGS	SHEET 1 OF 1	
BOOK C	C	GE-D1101	GENERAL	ALTERNATIVE A	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK C	D	GE-D2101	GENERAL	ALTERNATIVE B	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS							
BOOK C	1	TT-D7108	SAN BRUNO TO SAN MATEO	SFO / MILLBRAE CALTRAIN STATION	ALTERNATIVE A: MRSP DESIGN VARIANT	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B740+00 TO B830+00
BOOK C	2	TT-D7109	SAN BRUNO TO SAN MATEO	CALIFORNIA DR / BROADWAY CALTRAIN STATION	ALTERNATIVE A: MRSP DESIGN VARIANT	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	B830+00 TO B920+00
STATIONS							
BOOK C	3	AR-J0120	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE REDUCED SITE PLAN DESIGN VARIANT	GENERAL SITE PLAN	
BOOK C	4	AR-J0121	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE REDUCED SITE PLAN DESIGN VARIANT	DETAILED SITE PLAN	
BOOK C	5	AR-J0122	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE REDUCED SITE PLAN DESIGN VARIANT	PLATFORM CONCOURSE PLAN	
BOOK C	6	AR-J0123	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE REDUCED SITE PLAN DESIGN VARIANT	SECTION	
BOOK C	7	AR-J0124	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE REDUCED SITE PLAN DESIGN VARIANT	MASSING DIAGRAM 1	
BOOK C	8	AR-J0125	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE REDUCED SITE PLAN DESIGN VARIANT	MASSING DIAGRAM 2	

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**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
 GENERAL INFORMATION BOOK
 SHEET 16 OF 30**

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CALIFORNIA
 High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE
 MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT
 INDEX OF DRAWINGS
 SHEET 1 OF 1

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-A3101
SCALE	NONE
SHEET NO.	

GENERAL NOTES

- ALL WORK, INCLUDING DESIGN WORK, SHALL CONFORM TO THE REQUIREMENTS OF THE HIGH-SPEED RAIL AUTHORITY (FOR HIGH-SPEED TRAIN FACILITIES) AND CALTRAIN DESIGN CRITERIA (FOR CALTRAIN FACILITIES).
- TOPOGRAPHIC BASE MAPPING DATED 2015 WAS PROVIDED BY THE PCJPB. THE HORIZONTAL DATUM IS NAD83 AND THE VERTICAL DATUM IS NAVD88.
- PLANS REFLECT THE FOLLOWING PROJECTS BY OTHERS:
 - TJPA DTX
 - CALTRAIN SAN BRUNO GRADE SEPARATION
 - CALTRAIN SAN MATEO 25TH AVE GRADE SEPARATION
 - SAN CARLOS TRANSIT VILLAGE
 - CALTRAIN SOUTH TERMINAL
 - BART SVRT PHASE II
- THERE ARE 2 ALIGNMENT OPTIONS PRESENTED IN THIS DESIGN PACKAGE. THE "BASELINE" DESIGN IS ALTERNATIVE A. ALL OTHER DESIGN PLANS ARE REPLACEMENT SHEETS. DUPLICATE DESIGN IS NOT PROVIDED WHERE ALTERNATIVES A AND B ARE THE SAME. REFER TO THE INDEX OF DRAWINGS AND KEY MAPS FOR CLARIFICATION.
- THE SF TO SJ SEGMENT IS A SHARED-USE CORRIDOR BETWEEN HST AND CALTRAIN. TRACK ALIGNMENT DESIGNATIONS USED ARE B1, B2, MT-1, M-2 AND MT-3. TRACK IS DESIGNED SO THAT ANY TRAIN CAN RUN ON ANY TRACK. EXCEPTIONS PASSING TRACKS (ALT B) AND DIRIDON APPROACH VIADUCT WILL BE HST TRAINS ONLY.
- EXISTING CALTRAIN TUNNELS WILL BE MODIFIED UNDER PCEP. NO MODIFICATIONS ARE PROPOSED UNDER HST.
- THE FOLLOWING CALTRAIN STATIONS WILL BE RECONSTRUCTED, RECONFIGURED, OR MODIFIED:
 - 4TH & KING CALTRAIN STATION
 - BAYSHORE CALTRAIN STATION
 - SAN BRUNO CALTRAIN STATION
 - MILLBRAE STATION
 - BROADWAY STATION
 - HAYWARD PARK STATION
 - HILLSDALE STATION (ALT B)
 - BELMONT CALTRAIN STATION (ALT B)
 - SAN CARLOS CALTRAIN STATION (ALT B)

NO WORK WILL BE DONE ON THE FOLLOWING CALTRAIN STATIONS:

22ND STREET CALTRAIN STATION
 SOUTH SAN FRANCISCO CALTRAIN STATION
 BURLINGAME STATION
 SAN MATEO STATION
 REDWOOD CITY CALTRAIN STATION
 ATHERTON CALTRAIN STATION
 MENLO PARK CALTRAIN STATION
 PALO ALTO CALTRAIN STATION
 STANFORD CALTRAIN STATION
 CALIFORNIA AVENUE CALTRAIN STATION
 SAN ANTONIO CALTRAIN STATION
 MOUNTAIN VIEW CALTRAIN STATION
 SUNNYVALE CALTRAIN STATION
 LAWRENCE CALTRAIN STATION

SITE SPECIFIC STATION DESIGN IS NOT INCLUDED IN THIS PACKAGE.

- EXISTING CALTRAIN PARKING LOTS SHALL BE RECONSTRUCTED, RECONFIGURED, OR MODIFIED AND MAY REQUIRE EXISTING PARKING SPACES TO BE REMOVED. PARKING LOTS WILL BE CONSTRUCTED WITHIN THE EXISTING CALTRAIN ROW. DETAILED DESIGN OF THESE PARKING LOTS ARE NOT INCLUDED.
- DEMOLITION PLANS ARE NOT INCLUDED IN THIS PACKAGE.

GRADING DESIGN ASSUMPTIONS

- CUT AND FILL LINES (CONFORMING TO EXISTING GROUND):
 - 2:1 SLOPES FOR AT-GRADE TRACKS
- RETAINING WALLS ARE PROPOSED WHEN 2:1 SLOPES WOULD CONFORM OUTSIDE OF THE EXISTING OR PROPOSED RIGHT OF WAY.

TRACK GENERAL NOTES

- STATIONING INCREASES FROM NORTH TO SOUTH. CONTROL STATIONING IS ON B2 TRACK.
- THE PROFILE CORRESPONDS TO THE ELEVATION AT THE TOP OF LOW RAIL ON THE B2 TRACK. THE LENGTHS OF LINES ARE BASED ON THE CENTER OF TRACK ALIGNMENT. UNLESS SEPARATE TRACK PROFILES ARE GIVEN, OR UNLESS NOTED OTHERWISE, TRACKS PARALLEL TO THE DESIGNATED TRACK ARE AT THE SAME TOP OF RAIL ELEVATIONS PROJECTED ON EITHER PERPENDICULAR OR RADIAL LINES FROM THE DESIGNATED TRACK CENTERLINES.
- EXISTING PROFILE IS BASED ON CALTRAIN TRACK CHARTS AND SHOULD BE VERIFIED WITH TRACK SURVEY
- TRACK HORIZONTAL CURVE INFORMATION PROVIDED IN TRACK GEOMETRY DATA DRAWINGS.
- TRACK ALIGNMENT CURVATURE IS CHORD DEFINED.
- FOR TRACK SPACING AND DIMENSIONS RELATIVE TO OTHER DESIGN ELEMENTS, SEE COMPOSITE ROLL PLOT TYPICAL SECTIONS.
- FOR STRUCTURAL DETAILS REFER TO STRUCTURE DRAWINGS.
- FOR HST STATIONS, SEE STATIONS DRAWINGS.
- FOR BRISBANE LIGHT MAINTENANCE FACILITY, ASSOCIATED TRACK LEADS AND INTERCHANGE TRACK, SEE MAINTENANCE FACILITY DRAWINGS.
- FOR ROADWAY CROSSINGS IMPACTS AND IMPROVEMENTS, SEE ROADWAY DRAWINGS.
- DETAILED TRACK PLAN AND PROFILE SHEETS FOR RELOCATION OF FREIGHT CONNECTIONS, STORAGE TRACKS, TRACK SIDING AND UPRR TRACKS ARE NOT INCLUDED.

CIVIL GENERAL NOTES

- ALL ROADWAY GEOMETRY DESIGN IS PER THE FOLLOWING STANDARDS:
 - FOR HIGH SPEED TRAIN FACILITIES, FOLLOW CALIFORNIA HIGH SPEED RAIL AUTHORITY DIRECTIVE DRAWINGS
 - FOR STATE HIGHWAY FACILITIES, FOLLOW CALTRANS STANDARD DRAWINGS AND SPECIFICATIONS
 - FOR CITY AND COUNTY STREETS, FOLLOW CITY AND COUNTY STANDARDS, AASHTO "GEOMETRIC DESIGN OF HIGHWAYS AND STREETS", LATEST EDITION AND FHWA "MUTCD", LATEST EDITION
 - FOR ALL OTHER FACILITIES, DEFER TO THE LOCAL AGENCY GUIDELINES
- ALL KNOWN MAJOR UTILITIES ARE SHOWN ON THE PLANS. MAJOR UTILITIES ARE ANY SUBSURFACE, ABOVE GROUND, OR OVERHEAD FACILITY USED FOR TRANSMISSION, REGARDLESS OF SHAPE SIZE, SHAPE, OR METHOD OF CONVEYANCE. PLEASE REFERENCE THE SECTION UTILITY REPORT FOR A DISCUSSION OF HIGH VS. LOW RISK AND MINOR UTILITIES.
- MITIGATION IS SHOWN FOR UTILITY IMPACTS WITHIN THE LIMITS OF TRACK SHIFT. IN LOCATIONS WHERE TRACK SHIFT IS LESS THAN 1FT, EXISTING UTILITIES ARE AT A DEPTH THAT WILL NOT BE IMPACTED BY THE TRACK SHIFT.
- AT IDENTIFIED INTERSECTIONS THAT REQUIRE QUADRANT GATE IMPROVEMENTS, UTILITIES WILL BE PROTECTED IN PLACE. FURTHER DETAIL OF UTILITY DISPOSITION TO BE PROVIDED WHEN QUADRANT GATE APPLICATIONS ARE FURTHER DEVELOPED.
- RETAINING WALL TYPES ARE NOT SHOWN DUE TO CURRENT LACK OF GEOTECHNICAL BORINGS. IT CAN BE ASSUMED FOR COST PURPOSES THAT ALL FILL RETAINING WALLS ARE MSE AND THAT ALL CUT RETAINING WALLS ARE SOIL NAIL. PRELIMINARY RETAINING WALL TYPES WILL BE FINALIZED BASED ON 30% GEOTECHNICAL EXPLORATION.
- MAJOR WATERCOURSES, IRRIGATION CANALS, AND BODIES OF WATER ARE SHOWN ON THE PLANS. FOR FURTHER INFORMATION REGARDING DRAINAGE DESIGN, PLEASE REFER TO THE FOLLOWING:
 - HYDROLOGY AND HYDRAULICS REPORT
 - FLOODPLAIN IMPACTS ASSESSMENT REPORT
 - STORM WATER MANAGEMENT REPORT
- WHERE PROPOSED ROADWAY ROW AND ROADWAY TCE LINES CROSS PERPENDICULAR TO EXISTING ROADWAY ROW LINES, IT IS ASSUMED THESE LINES SHOW A DEMARCATION OF CONSTRUCTION LIMITS. THEY ARE NOT TO BE CONSTRUED AS A JURISDICTIONAL TRANSFER.

STRUCTURAL GENERAL NOTES

- SUPERSTRUCTURE DEPTH AND SUBSTRUCTURE SIZING ARE BASED ON CALTRAIN STANDARDS FOR DESIGN AND MAINTENANCE OF STRUCTURES (2003).
- THE STRUCTURES SHOWN ON THESE DRAWINGS ARE REPRESENTED IN THEIR FINAL CONFIGURATION. ALL DIMENSIONS ARE BASED ON MINIMUM SPACIAL AND CLEARANCE REQUIREMENTS, AND DO NOT INCLUDE CONSTRUCTION TOLERANCES. CONTRACTORS SHALL ACCOUNT FOR APPROPRIATE CONSTRUCTION TOLERANCES.
- COMPLEX STRUCTURES AS DEFINED IN TM. 2.10.4 ARE IDENTIFIED ON THE COMPOSITE PLAN, PROFILE, AND SECTION DRAWINGS.

ABBREVIATIONS:

ESZ ELECTRICAL SAFETY ZONE

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
 GENERAL INFORMATION BOOK
 SHEET 17 OF 30**

LEGEND:

NEW/RELOCATED:	EXIST:	
		UPRR\MT1\FREIGHT TRACK
		YARD TRACK
		NON ELECTRIFIED TRACK
		HSR B1 NORTHBOUND TRACK
		HSR B2 SOUTHBOUND TRACK
		HSR MT2 NORTHBOUND TRACK
		HSR MT3 SOUTHBOUND TRACK
		100-YEAR FLOOD ZONE LIMIT
		CALTRAIN PLATFORM
		PROPOSED HSR PLATFORM
		EXISTING UTILITY FEATURES
		PROPOSED UTILITY FEATURES
		PROPOSED STRUCTURAL FEATURES
		PROPOSED ROADWAY GEOMETRY
		PROPOSED TRACK ALIGNMENT
		PROPOSED EMBANKMENT
		PROPOSED CUT
		PROPOSED GRADE SEPARATION FEATURES
		PROPOSED TUNNEL FEATURES
		PROPOSED ROW
		PROPOSED TCE
		PROPOSED ROADWAY ROW
		(E) CALTRANS ROW
		(E) PCJPB ROW
		(E) MUNICIPAL BOUNDARY

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CALIFORNIA
 High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE
 GENERAL
 GENERAL NOTES

CONTRACT NO. HSR15-34
DRAWING NO. GE-B0101
SCALE NONE
SHEET NO.

A

AB AGGREGATE BASE
ABBC ASBESTOS BONDED BITUMINOUS COATED
ABM AIR-BLOWN MORTAR
ABN ABANDON
ABUT ABUTMENT
AC ASPHALT CONCRETE
ACB ASPHALT CONCRETE BASE
ACP ASBESTOS CEMENT PIPE
ADL ADDED DEAD LOAD
ADJ ADJUST
AFES ALTERNATIVE FLARED END SECTION
AHD AHEAD
ALT ALTERNATE
AM TIME FROM MIDNIGHT TO NOON
AP ALTERNATIVE PIPE
APC ALTERNATIVE PIPE CULVERT
APPROX APPROXIMATE
APU ALTERNATIVE PIPE UNDERDRAIN
AR ACCESS RESTRICTION
ARS ACCELERATION RESPONSE SPECTRUM
AS AGGREGATE SUBBASE
ASRP ALUMINUM SPIRAL RIB PIPE
ASSY ASSEMBLY
ATC AUTOMATIC TRAIN CONTROL
ATPB ASPHALT TREATED PERMEABLE BASE
ATPM ASPHALT TREATED PERMEABLE MATERIAL
AVE AVENUE
AVG AVERAGE
@ AT

B

BAGR BRIDGE APPROACH GUARD RAILING
BB BEGINNING OF BRIDGE
B-B BACK-TO-BACK
BC BEGIN HORIZONTAL CURVE
BCR BEGIN CURB RETURN
BEG BEGIN
BIT CTD BITUMINOUS COATED
BK BACK
BKF BACKFILL
BLDG BUILDING
BLM BRIDGE-LOG MILE
BLVD BOULEVARD
BM BENCH MARK
BOT BOTTOM
BR BRIDGE
BRG BEARING
BTU BRITISH THERMAL UNIT
BVC BEGIN VERTICAL CURVE
BW BARBED WIRE

C

CAA CABLE ANCHOR ASSEMBLY

C CONTINUED

CAP CORRUGATED ALUMINUM PIPE
CAPA CORRUGATED ALUMINUM PIPE ARCH
CAS CONSTRUCTION AREA SIGN
CB CONCRETE BARRIER
CBW CONCRETE BLOCK WALL
C-C CENTER TO CENTER
CHSRA CALIFORNIA HIGH SPEED RAIL AUTHORITY
CHST CALIFORNIA HIGH SPEED TRAIN
CHSR CALIFORNIA HIGH SPEED RAIL
CG CENTER OF GRAVITY
CHNL CHANNEL
CI CAST IRON
CIDH CAST-IN-DRILLED-HOLE
CIP CAST-IN-PLACE, CAST IRON PIPE
CIPCP CAST IN PLACE CONCRETE PIPE
CISS CAST-IN-STEEL-SHELL
CJP COMPLETE JOINT PENETRATION
CL CHAIN LINK
CL-6 CHAIN LINK FENCE (6 FT)
CL CLASS
CLR CLEAR, CLEARANCE
CM CORRUGATED METAL
CMP CORRUGATED METAL PIPE
CO COUNTY
COL COLUMN
CONC CONCRETE
COND CONDUIT
CONN CONNECTOR
CONST CONSTRUCT, CONSTRUCTION
CONT CONTINUOUS
COORD COORDINATE
CP CANDLEPOWER
CR CREEK
CRCP CONTINUOUS REINFORCED CONCRETE PAVEMENT
CRSP CONCRETED ROCK SLOPE PROTECTION
CS CURVE SPIRAL POINT
CSP CORRUGATED STEEL PIPE
CSPA CORRUGATED STEEL PIPE ARCH
CTB CEMENT TREATED BASE
CTPB CEMENT TREATED PERMEABLE BASE
CTPM CEMENT TREATED PERMEABLE MATERIAL
CTRS CENTERS
CULV CULVERT
℄ CENTERLINE

D

D DEPTH
DD DOWNDRAIN
DBL DOUBLE

D CONTINUED

DEG DEGREE
DEL DELINEATOR
DET DETAIL, DETOUR
DF DOUGLAS FIR
DI DRAINAGE INLET, DROP INLET
DIA DIAMETER
DIAPH DIAPHRAGM
DIST DISTANCE, DISTRICT
DMBB DOUBLE METAL BEAM BARRIER
DR DRIVE
DTBB DOUBLE THRIE BEAM BARRIER
DWY DRIVEWAY

E

E EAST
EA ACTUAL SUPERELEVATION
EASE EASEMENT
EB END OF BRIDGE, EASTBOUND
EC END HORIZONTAL CURVE
ECR END CURB RETURN
ED EDGE DRAIN
EDC EDGE DRAIN CLEANOUT
EDO EDGE DRAIN OUTLET
EDV EDGE DRAIN VENT
ELEC ELECTROLIER
ELECT ELECTRIC
ELEV ELEVATION
EMB EMBANKMENT
ENGR ENGINEER
EOD EDGE OF DECK
EP EDGE OF PAVEMENT
EQ EQUATION
ES EDGE OF SHOULDER
ETW EDGE OF TRAVELED WAY
EU UNBALANCED SUPERELEVATION
EVC END VERTICAL CURVE
EW ENDWALL
EXC EXCAVATION
EXIST, (E), EXIST, EX EXISTING
EXP EXPANSION, EXPRESSWAY
EXP JT EXPANSION JOINT
EXT EXTERIOR

F

F & C FRAME AND COVER
F & G FRAME AND GRATE
FB FLOOR BEAM
FDN FOUNDATION

F CONTINUED

FEBT FACING EASTBOUND TRAFFIC
FES FLARED END SECTION
FF FILTER FABRIC
FG FINISHED GRADE
FH FIRE HYDRANT
FIG FIGURE
FL FLOW LINE
FNBT FACING NORTHBOUND TRAFFIC
FOB FREE ON BOARD
FOC FACE OF CONCRETE
FR RD FRONTAGE ROAD
FS FAR SIDE, FINISHED SURFACE
FSBT FACING SOUTHBOUND TRAFFIC
FTG FOOTING
FWBT FACING WESTBOUND TRAFFIC
FWY FREEWAY

G

G GRADE, ACCELERATION DUE TO GRAVITY
GAGE GAGE
GALV GALVANIZED
GP GRADING PLANE
GR GUARD RAILING
GSP GALVANIZED STEEL PIPE
GTR GUTTER

H

H HEIGHT
H, HR HOUR
HD HORIZONTAL DRAIN
HDWL HEADWALL
HEX HD HEXAGONAL HEAD
HMA HOT MIXED ASPHALT
HORIZ HORIZONTAL
HP HINGE POINT, HORSEPOWER
HPS HIGH PERFORMANCE STEEL
HST HIGH STRENGTH
HSR HIGH SPEED TRAIN
HW HEADWALL, HIGH WATER
HWM HIGH WATER MARK
HWY HIGHWAY

I

IB IMPORTED BORROW
ID INSIDE DIAMETER
IF INSIDE FACE
INT INTERIOR
INV INVERT
IRR IRRIGATION

J

JCT JUNCTION
JP JOINT POLE
JPCP JOINTED PLAIN CONCRETE PAVEMENT
JS JUNCTION STRUCTURE
JT JOINT

L

L LENGTH
LAT LATITUDE
LCB LEAN CONCRETE BASE
LN LANE
LOC LOCATION
LOL LAYOUT LINE
LONG LONGITUDE
LONGIT LONGITUDINAL
LS LUMP SUM, LENGTH OF SPIRAL
LT LEFT
LVC LENGTH OF VERTICAL CURVE

M

MAINT MAINTENANCE
MAX MAXIMUM
MB METAL BEAM
MBB METAL BEAM BARRIER
MBGR METAL BEAM GUARD RAILING
MED MEDIAN
MH MANHOLE
MIN MINIMUM
MISC MISCELLANEOUS
MISC I & S MISCELLANEOUS IRON AND STEEL
MKR MARKER
MOD MODIFIED, MODIFY
MON MONUMENT
MOW MAINTENANCE OF WAY FACILITY
MP METAL PLATE
MPGR METAL PLATE GUARD RAILING
MR MOVEMENT RATING
MSE MECHANICALLY STABILIZED EMBANKMENT
MTL MATERIAL

N

N NORTH
NB NORTHBOUND
NC NORMAL CROWN
NO. NUMBER (MUST HAVE PERIOD)
NOS. NUMBERS (MUST HAVE PERIOD)
NPS NOMINAL PIPE SIZE
NS NEAR SIDE

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 18 OF 30

\$FILE\$
\$PLTDRVS\$
\$PENTBLS\$
\$DATE\$
\$TIME\$
\$USER\$

Table with columns: REV, DATE, BY, CHK, APP, DESCRIPTION

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, IN CHARGE, DATE

2021 RECORD SET PEPP
NOVEMBER 30, 2021
NOT FOR CONSTRUCTION

HNTB logo and address: 1111 Broadway, 9th Floor, Oakland, CA 94607

CALIFORNIA High-Speed Rail Authority logo

CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE
GENERAL ABBREVIATIONS SHEET 1 OF 2

Table with columns: CONTRACT NO., DRAWING NO., SCALE, SHEET NO.

O

P CONTINUED

S CONTINUED

T CONTINUED

OBLR OBLITERATE
 OC OVERCROSSING
 OCS OVERHEAD CONTACT SYSTEM
 OD OUTSIDE DIAMETER
 OF OUTSIDE FACE
 OG ORIGINAL GROUND
 OGAC OPEN GRADED ASPHALT CONCRETE
 OH OVERHEAD
 O-O OUT TO OUT
 OPP OPPOSITE

PS, P/S POINT OF SWITCH,
 PRESTRESSED
 PSP PERFORATED STEEL PIPE
 PT POINT OF TANGENCY
 PVC POLYVINYL CHLORIDE,
 POINT OF VERTICAL CURVE
 PVI POINT OF VERTICAL INTERSECTION
 PVMT PAVEMENT
 PVT POINT OF VERTICAL TANGENT

SC SAND CUSHION,
 SLOTTED CORRUGATED STEEL PIPE,
 SPIRAL CURVE POINT
 SD STORM DRAIN
 SEC SECOND, SECTION
 SEP SEPARATION
 SG SUBGRADE
 SHLD SHOULDER
 SHT SHEET
 SIM SIMILAR
 S STATION LINE
 SM SELECTED MATERIAL
 SPEC SPECIAL,
 SPECIFICATIONS

TPF TRACTION POWER FACILITY
 TPM TREATED PERMEABLE MATERIAL
 TPS CALTRAIN TRACTION POWER STATION
 TPSS TRACTION POWER SUBSTATION
 T/R TOP OF RAIL
 TRANS TRANSITION
 TS TRANSVERSE,
 TYP TRAFFIC SIGNAL,
 TUBULAR STEEL,
 TANGENT SPIRAL POINT
 TYPICAL

P

Q

R

U

P PAGE
 PAP PERFORATED ALUMINUM PIPE
 PB PULL BOX
 PC POINT OF CURVATURE,
 PRECAST
 PCC POINT OF COMPOUND CURVE,
 PORTLAND CEMENT CONCRETE
 PCEP CALTRAIN PENINSULA CORRIDOR
 ELECTRIFICATION PROJECT
 PCP PERFORATED CONCRETE PIPE,
 PRESTRESSED CONCRETE PIPE
 PCVC POINT OF COMPOUND VERTICAL CURVE
 PED PEDESTRIAN
 PED OC PEDESTRIAN OVERCROSSING
 PED UC PEDESTRIAN UNDERCROSSING
 PERM MTL PERMEABLE MATERIAL
 PG PROFILE GRADE
 PG&E PACIFIC GAS AND ELECTRIC
 PI POINT OF INTERSECTION
 PITO POINT OF INTERSECTION TURNOUT
 PJP PARTIAL JOINT PENETRATION
 PL,PL PLATE
 P/L PROPERTY LINE
 PM POST MILE,
 TIME FROM NOON TO MIDNIGHT
 PN PAVING NOTCH
 POB POINT OF BEGINNING
 POC POINT OF HORIZONTAL CURVE
 POE POINT OF END
 POT POINT OF TANGENT
 POVC POINT OF VERTICAL CURVE
 PP PIPE PILE,
 PLASTIC PIPE,
 POWER POLE
 PPL PREFORMED PERMEABLE LINER
 PPP PERFORATED PLASTIC PIPE
 PRC POINT OF REVERSE CURVE
 PRF PAVEMENT REINFORCING FABRIC
 PROP PROPOSED
 PRVC POINT OF REVERSE VERTICAL CURVE
 PS&E PLANS, SPECIFICATIONS AND ESTIMATES

QTY QUANTITY
 R RADIUS
 R & D REMOVE AND DISPOSE
 R & S REMOVE AND SALVAGE
 R/C RATE OF CHANGE
 RCA REINFORCED CONCRETE ARCH
 RCB REINFORCED CONCRETE BOX
 RCP REINFORCED CONCRETE PIPE
 RCPA REINFORCED CONCRETE PIPE ARCH
 RD ROAD
 REINF REINFORCED, REINFORCEMENT,
 REINFORCING
 REL RELOCATE
 REPL REPLACEMENT
 RET RETAINING
 REV REVISED
 RDWY ROADWAY
 RM ROAD-MIXED
 RP RADIUS POINT,
 REFERENCE POINT
 RR RAILROAD
 RSP ROCK SLOPE PROTECTION
 RT RIGHT,
 RADIO TOWER
 RT-RADIO RADIO TOWER
 RTE ROUTE
 RW REDWOOD,
 RETAINING WALL
 R/W, ROW RIGHT OF WAY
 RWY RAILWAY

SPP SLOTTED PLASTIC PIPE
 SR STATE ROUTE
 SS SLOPE STAKE
 SSBM STRAP AND SADDLE BRACKET METHOD
 SSD STRUCTURAL SECTION DRAIN
 SSPA STRUCTURAL STEEL PLATE ARCH
 SSPP STRUCTURAL STEEL PLATE PIPE
 SSPPA STRUCTURAL STEEL PLATE PIPE ARCH
 SSRP STEEL SPIRAL RIB PIPE
 ST STREET,
 SPIRAL TANGENT POINT
 STA STATION
 STBB SINGLE THRIE BEAM BARRIER
 STD STANDARD
 STR STRUCTURE
 SURF SURFACING
 SW SIDEWALK,
 SOUND WALL
 SWR SEWER
 SWS SWITCHING STATION
 SYM SYMMETRICAL
 S4S SURFACE 4 SIDES

UC UNDERCROSSING
 UD UNDERDRAIN
 UON UNLESS OTHERWISE NOTED
 UP UNDERPASS
 UPRR UNION PACIFIC RAIL ROAD

V

V VALVE,
 DESIGN SPEED
 VAR VARIABLE
 VC VERTICAL CURVE
 VCP VITRIFIED CLAY PIPE
 VERT VERTICAL
 VIA VIADUCT
 VOL VOLUME

W

W WEST,
 WIDTH
 WB WESTBOUND
 WH WEEP HOLE
 WM WIRE MESH
 WS WATER SURFACE
 WSP WELDED STEEL PIPE
 WT WEIGHT
 WV WATER VALVE
 WW WINGWALL
 WWL WINGWALL LAYOUT LINE

X

X SEC CROSS SECTION
 XING CROSSING

Y

YR YEAR
 YRS YEARS

T

T SEMI-TANGENT
 TAB TABLET
 TAN TANGENT
 TBB THRIE BEAM BARRIER
 TBD TO BE DETERMINED
 TBR TIMBER
 TC TOP OF CURB
 TCB TRAFFIC CONTROL BOX
 TCE TEMPORARY CONSTRUCTION EASEMENT
 TEL TELEPHONE
 TEMP TEMPORARY
 TG TOP OF GRADE
 TOT TOTAL
 TP TELEPHONE POLE
 TPB TREATED PERMEABLE BASE

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
 GENERAL INFORMATION BOOK
 SHEET 19 OF 30**

\$FILE\$
 \$PLTDRVS\$
 \$PENTBLS\$
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 \$USER\$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
DRAWN BY
CHECKED BY
IN CHARGE
DATE

**2021 RECORD
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 NOVEMBER 30, 2021
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 Oakland, CA 94607



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN FRANCISCO TO SAN JOSE**
 GENERAL
 ABBREVIATIONS
 SHEET 2 OF 2

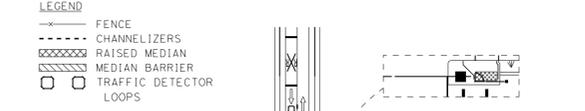
CONTRACT NO. HSR15-34
DRAWING NO. GE-C0102
SCALE NONE
SHEET NO.

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 20 OF 30**

APPLICATION A

IMPROVEMENTS:
- ADD (2) VEHICULAR ARM GATES*
- ADD CHANNELIZERS ON CROSSING & ADJACENT LANES**
* ADD (4) VEHICULAR ARM GATES IF LENGTH OF VEHICULAR ARM GATE IS TO SPAN LONGER THAN 32 FT
** ADD FOR ADJACENT STREETS THAT HAVE MORE THAN ONE LANE

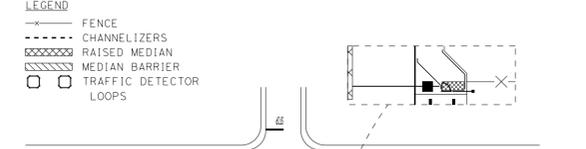
EXISTING:
- (2) VEHICULAR ARM GATES
- (4) PEDESTRIAN ARM GATES
- (4) PEDESTRIAN SWING GATES
- (2)-(4) CROSSING LANES
- (2)-(4) ADJACENT LANES



APPLICATION B

IMPROVEMENTS:
- ADD (2) VEHICULAR ARM GATES
- ADD 50' RAISED MEDIAN OR EXTEND (E)
RAISED MEDIAN ON CROSSING STREET

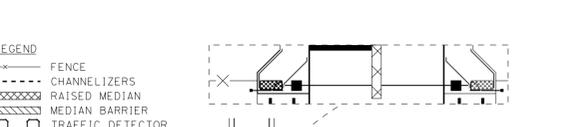
EXISTING:
- (2) VEHICULAR ARM GATES
- (4) PEDESTRIAN ARM GATES
- (4) PEDESTRIAN SWING GATES
- (2) PEDESTRIAN SWING GATES
- (2)-(4) CROSSING LANES



APPLICATION B1

IMPROVEMENTS:
- ADD (2) VEHICULAR ARM GATES
- ADD (2) PEDESTRIAN ARM GATES
- ADD (2) PEDESTRIAN SWING GATES
- ADD CHANNELIZERS ON ADJACENT LANES
- ADD 50' RAISED MEDIAN OR EXTEND (E)
RAISED MEDIAN ON CROSSING STREET

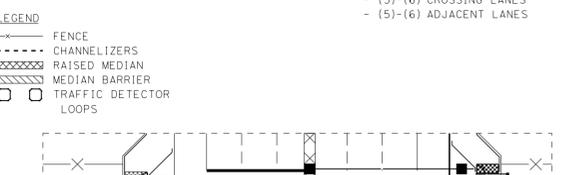
EXISTING:
- (2) VEHICULAR ARM GATES
- (2) PEDESTRIAN ARM GATES
- (2) PEDESTRIAN SWING GATES
- (2) CROSSING LANES
- (0)-(2) ADJACENT LANES



APPLICATION C

IMPROVEMENTS:
- ADD (4) VEHICULAR ARM GATES
- ADD 50' RAISED MEDIAN ON CROSSING STREET OR EXTEND (E) RAISED MEDIAN ON CROSSING STREET

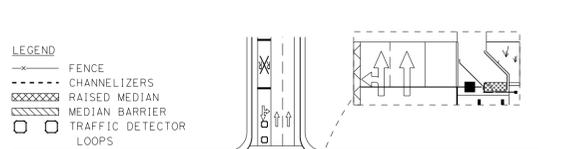
EXISTING:
- (4) VEHICULAR ARM GATES
- (4) PEDESTRIAN ARM GATES
- (4) PEDESTRIAN SWING GATES
- (5)-(6) CROSSING LANES
- (5)-(6) ADJACENT LANES



APPLICATION D

IMPROVEMENTS:
- ADD (2) VEHICULAR ARM GATES
- ADD CHANNELIZERS ON CROSSING STREETS
- ADD 50' RAISED MEDIAN ON CROSSING STREET OR EXTEND (E) RAISED MEDIAN ON CROSSING STREET

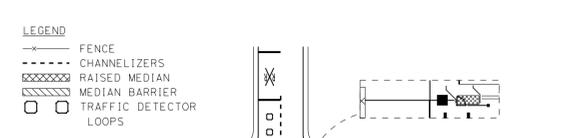
EXISTING:
- (2) VEHICULAR ARM GATES
- (2)-(3) CROSSING LANES
- (2)-(4) ADJACENT LANES



APPLICATION E

IMPROVEMENTS:
- ADD (2) VEHICULAR ARM GATES
- ADD CHANNELIZERS ON CROSSING STREETS
- ADD 50' RAISED MEDIAN ON CROSSING STREET OR EXTEND (E) RAISED MEDIAN ON CROSSING STREET

EXISTING:
- (2) VEHICULAR ARM GATES
- (4) PEDESTRIAN ARM GATES
- (4) PEDESTRIAN SWING GATES
- (2) CROSSING LANES
- (1)-(2) ADJACENT LANES



- NOTES:**
- DISTANCES TO ADJACENT STREETS, DRIVEWAYS AND BUILDINGS WERE MEASURED FROM GOOGLE EARTH.
 - ALL CROSSING GATE EQUIPMENT MUST BE A MINIMUM OF 10' CLEAR OF TRACKS.
 - THE DETAILS PROVIDED INDICATE TYPICAL APPLICATIONS, NOT A DESIGN CRITERIA. IF SPECIAL SITE CONDITIONS PRECLUDE USE OF A DETAIL, ADDITIONAL MEASURES MAY BE DEEMED NECESSARY FOR SAFE OPERATION.

STATION	GRADE CROSSING	NO. OF LANES				EXISTING CONDITIONS				IMPROVEMENTS								APPLICATION
		EB	WB	NB	SB	PROXIMITY OF SIDE STREETS	PROXIMITY OF DRIVEWAY	PROXIMITY OF BUILDINGS	VEHICLE EXIT GATES	PEDESTRIAN GATES	CHANNELIZERS	RAISED MEDIAN	MEDIAN BARRIER	INTRUSION DETECTIONS				
B133+00	Mission Bay Drive	2	3	-	-	7th St - 115'	-	65'	-	-	7th St	-	-	-	-	-	Yes	A
B153+85	16th St	2	1	-	-	7th St - 35'	-	175'	4	0	-	-	-	-	-	-	Yes	A
B643+83	Linden Ave	2	1	-	-	Dollar Ave - 50'	-	165'	2	0	-	-	-	-	-	-	Yes	D
B662+33	Scott St	1	1	-	-	Dollar Ave - 30'	-	25'	105'	2	2	-	-	-	-	-	Yes	B1
B778+39	Center St	1	1	-	-	Oak St - 105' Monterey St - 120'	-	25'	75'	2	0	-	-	-	-	-	Yes	B
B791+82	Santa Paula (Ped Xing)	-	-	-	-	California Dr - 65'	-	-	-	-	-	-	-	-	-	-	-	-
B905+43	Broadway (Burlingame)	-	-	3	3	Carolan Ave - 60'	-	0'	40'	2	0	-	-	-	-	-	Yes	C
B831+03	Morell Ave (Ped Xing)	-	-	-	-	California Ave - 65'	-	-	-	-	-	-	-	-	-	-	-	-
B946+46	Oak Grove Ave (Burlingame)	-	-	2	2	California Dr - 100'	-	-	210'	2	0	-	-	-	-	-	Yes	B
B963+87	North Lane	1-2	1	-	-	California Ave - 65'	-	-	-	2	0	-	-	-	-	-	Yes	B
B967+32	South Lane (No Crossing)	-	-	-	-	California Dr - 205'	-	-	-	-	-	-	-	-	-	-	-	-
B972+31	Howard Ave (Burlingame)	1	1	-	-	Carolan Ave - 55' South St - 40'	-	20'	130'	2	0	-	-	-	-	-	Yes	B
B979+00	Bayswater Ave	1	1	-	-	California Dr - 205' Myrtle Rd - 40'	-	35'	100'	2	0	-	-	-	-	-	Yes	B
B985+78	Peninsula Ave	2	1	-	-	California Dr / San Mateo Dr - 200' Anita Rd - 105'	-	20'	100'	2	0	-	-	-	-	-	Yes	B
B999+08	Villa Terrace	-	-	1	1	Woodside Wy - 175'	-	-	70'	2	0	-	-	-	-	-	Yes	B
B1006+87	Bellevue Ave	-	-	1	1	1st Ave	-	20'	65'	2	0	-	-	-	-	-	Yes	B
B1044+00	1st Ave	-	-	1	1	Railroad Ave - 25'	-	-	75'	2	0	-	-	-	-	-	Yes	E
B1047+74	2nd Ave	-	-	1	1	Railroad Ave - 25'	-	-	75'	2	0	-	-	-	-	-	Yes	E
B1051+43	3rd Ave	-	-	1	1	Railroad Ave - 25'	-	-	75'	2	0	-	-	-	-	-	Yes	E
B1055+12	4th Ave	-	-	1	1	Railroad Ave - 25'	-	-	75'	2	0	-	-	-	-	-	Yes	A
B1058+06	5th Ave	-	-	1	1	Railroad Ave - 25'	-	-	75'	2	0	-	-	-	-	-	Yes	A
B1070+10	9th Ave	1	1	-	-	Railroad Ave - 35'	-	25'	120'	2	0	-	-	-	-	-	Yes	A
B1142+18	25th Ave	-	-	-	-	Part of E 25th Avenue Project	-	-	-	-	-	-	-	-	-	-	-	-
B1416+10	Whipple Ave	2	4	-	-	Stafford St - 40' El Camino Real - 120'	-	-	60'	4	0	-	-	-	-	-	Yes	C
B1438+59	Brewster Ave	2	2	-	-	Arguella St - 60' Perry St - 90'	-	-	205'	2	0	-	-	-	-	-	Yes	D
B1447+35	Broadway (Redwood City)	-	-	2	2	Arguella St - 40' Perry St - 140'	-	-	125'	2	0	-	-	-	-	-	Yes	D
B1470+84	Maple St	-	-	1	1	Pennsylvania Ave - 35'	-	-	95'	2	0	-	-	-	-	-	Yes	E
B1474+84	Main St (Redwood City)	-	-	1	1	Pennsylvania Ave - 35' Elm St - 40'	-	-	55'	2	0	-	-	-	-	-	Yes	E
B1483+15	Chestnut St	-	-	1	1	Lloyd Dr - 50'	-	-	105'	2	0	-	-	-	-	-	Yes	B
B1574+48	Fair Oaks Lane (No Change)	-	-	1	1	Lloyd Dr - 50'	-	-	125'	2	2	-	-	-	-	-	Yes	B1
B1590+43	Watkins Ave	-	-	1	1	Dinkelsgal Station Ln - 45' Ganwood Wy - 55'	-	-	20'	120'	2	0	-	-	-	-	Yes	B
B1607+32	Encinal Ave	-	-	1	1	Ganwood Wy - 55'	-	-	20'	115'	2	0	-	-	-	-	Yes	E
B1618+52	Glenwood Ave	-	-	1	1	Ganwood Wy - 40'	-	-	20'	115'	2	0	-	-	-	-	Yes	E
B1629+24	Oak Grove Ave (Menlo Park)	-	-	1	1	Alma St - 50' Dery Ln - 35' Merrill St - 70'	-	20'	75'	2	0	-	-	-	-	-	Yes	A
B1639+67	Ravenswood Ave	-	-	2	2	Alma St - 45' Merrill St - 120'	-	-	150'	2	0	-	-	-	-	-	Yes	A
B1680+78	Alma Ave	1	1	-	-	Alto Ave - 100'	-	30'	-	2	0	-	-	-	-	-	Yes	B
B1746+74	Churchill Ave	-	-	2	1	Alma St - 40'	-	-	65'	2	0	-	-	-	-	-	Yes	D
B1851+84	East Meadow Dr	-	-	2	2	Alma St - 40'	-	30'	100'	2	0	-	-	-	-	-	Yes	D
B1869+23	Charleston Ave	-	-	2	2	Alma St - 35'	-	30'	85'	2	0	-	-	-	-	-	Yes	D
B1944+06	Rengstorff Ave	-	-	4	2	Central Expy - 50' Cristanto Ave - 50' Leland Ave - 95'	-	30'	60'	3	0	-	-	-	-	-	Yes	C
B2007+25	Castro St	-	-	4	2	Central Expy - 75'	-	-	65'	4	0	-	-	-	-	-	Yes	C
B2113+83	Mary Ave	-	-	3	4	West Evelyn Ave - 50'	-	50'	95'	4	0	-	-	-	-	-	Yes	A
B2164+86	Sunnyvale Ave	-	-	2	2	West Evelyn Ave - 25' West Hendy Ave - 45'	-	15'	120'	2	0	-	-	-	-	-	Yes	D
B2404+69	Stockton Ave	-	-	-	-	West Hendy Ave - 45'	-	-	-	-	-	-	-	-	-	-	Yes	D

SCHEDULE OF TRACK SHIFTS
ALTERNATIVE A

HSR ALIGNMENT STATIONING		CALTRAIN PM		MAXIMUM SHIFT	
BEGIN	END	BEGIN	END	STATION	DISTANCE
118+42.17	129+12.17	0.35	0.56	124+00.00	47.8062
239+09.55	245+59.22	2.53	2.66	240+97.91	0.0759
254+27.93	257+01.07	2.82	2.87	255+57.15	0.0487
258+43.39	261+14.21	2.90	2.95	260+00.00	0.0446
303+17.20	316+36.91	3.75	4.00	309+00.00	0.6608
360+55.32	481+96.93	4.83	7.13	444+00.00	47.6185
516+43.45	523+72.67	7.78	7.92	519+50.00	0.2622
670+34.97	690+46.51	10.60	10.98	680+50.00	26.2835
729+89.36	739+61.33	11.73	11.91	736+00.00	1.2483
761+32.90	867+15.52	12.33	14.33	814+22.74	41.2883
887+59.41	925+12.16	14.72	15.43	908+11.69	0.2065
1008+96.72	1025+75.09	17.01	17.33	1023+00.00	0.1088
1036+72.09	1196+50.19	17.54	20.57	1153+50.00	62.6983
1200+48.21	1209+08.66	20.64	20.80	1202+17.21	0.0675
1232+72.57	1242+06.62	21.25	21.43	1237+00.00	0.3358
1247+70.16	1259+40.60	21.54	21.76	1253+04.64	4.9600
1267+65.25	1282+55.68	21.91	22.20	1275+00.00	9.6455
1283+85.11	1301+42.79	22.22	22.55	1293+07.32	0.2825
1307+67.50	1323+04.47	22.67	22.96	1312+07.32	2.4670
1339+85.64	1347+47.45	23.28	23.43	1345+00.00	0.2467
1552+64.35	1605+63.49	27.22	28.22	1567+00.00	2.6129
1677+65.16	1685+88.85	29.58	29.74	1682+00.00	1.8585
1687+69.41	1695+90.75	29.77	29.93	1692+00.00	0.7372
1704+27.23	1712+23.59	30.09	30.24	1708+50.00	0.7529
1714+85.46	1722+80.72	30.29	30.44	1719+00.00	0.6757
1793+46.71	1798+21.53	31.78	31.87	1796+00.00	0.2359
1799+28.87	1803+99.54	31.89	31.98	1801+50.00	0.2320
1830+84.95	1835+85.20	32.49	32.58	1832+00.00	0.0359
1837+05.56	1841+65.50	32.60	32.69	1839+50.00	0.2210
1876+89.39	1879+65.55	33.36	33.41	1878+50.00	0.0511
1881+97.69	1884+60.24	33.45	33.50	1883+00.00	0.0472
1898+56.25	1906+04.60	33.77	33.91	1903+50.00	0.3976
2034+54.47	2044+94.22	36.34	36.54	2041+50.00	0.1628
2073+06.83	2077+92.15	37.07	37.17	2074+36.83	0.0352
2078+99.20	2083+92.66	37.19	37.28	2080+00.00	0.0356
2113+76.07	2121+64.15	37.84	37.99	2119+43.82	0.2546
2135+97.65	2139+40.96	38.26	38.33	2137+50.00	0.1037
2140+48.41	2143+96.64	38.35	38.42	2142+00.00	0.1062
2172+21.51	2182+40.86	38.95	39.14	2176+93.70	0.4050
2194+90.23	2207+40.04	39.38	39.62	2200+50.00	0.8421
2244+42.22	2257+18.95	40.32	40.56	2250+50.00	0.1037
2267+13.80	2274+29.25	40.75	40.88	2270+50.00	0.4206
2276+01.98	2280+17.80	40.92	41.00	2278+00.00	0.0972
2281+27.26	2285+38.03	41.02	41.09	2283+50.00	0.0948
2306+67.37	2336+73.02	41.50	42.07	2311+00.00	2.5211

ALTERNATIVE B

HSR ALIGNMENT STATIONING		CALTRAIN PM		MAXIMUM SHIFT	
BEGIN	END	BEGIN	END	STATION	DISTANCE
360+55.33	491+60.97	4.83	7.31	433+50.00	16.5842
516+28.81	523+58.03	7.78	7.92	519+50.00	0.2636
1036+71.97	1411+40.21	17.54	24.64		

SCHEDULE OF STATION EQUATIONS
ALTERNATIVE A

HSR ALIGNMENT STATIONING	CALTRAIN PM	
BACK	AHEAD	
133+15.12	100+00.00	0.00
540+00.32	139+00.00	0.64
662+50.02	542+50.00	8.28
1419+99.97	665+00.00	10.50
2375+19.10	1425+00.00	24.80
	2260+30.01	42.80

ALTERNATIVE B

HSR ALIGNMENT STATIONING					CALTRAIN PM
BACK	ALT	AHEAD	ALT		
358+24.10	A	358+24.10	B		4.79
539+85.68	B	542+50.00	A		8.28
1071+00.00	A	1071+00.00	B		18.19
1419+97.30	B	1425+00.00	A		24.80

THIRD PARTY PROJECT CONFORM LIMITS

PROJECT NAME	HSR ALIGNMENT STATIONING	
	BEGIN	END
PCEP TUNNEL MODIFICATIONS*	156+12.79	165+44.48
PCEP TUNNEL MODIFICATIONS*	186+11.94	200+83.08
PCEP TUNNEL MODIFICATIONS*	354+54.58	358+13.03
SOUTH SAN FRANCISCO STATION	576+59.73	609+82.29
25TH AVE GRADE SEPARATION	1138+68.78	1182+81.23

* ALIGNMENT INFORMATION AS OF 100% SUBMITTAL, AUGUST 18, 2017

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 21 OF 30**

\$FILE \$ \$PLTDRVS \$ \$PENTBLS \$ \$DATE \$ \$TIME \$ \$USER \$

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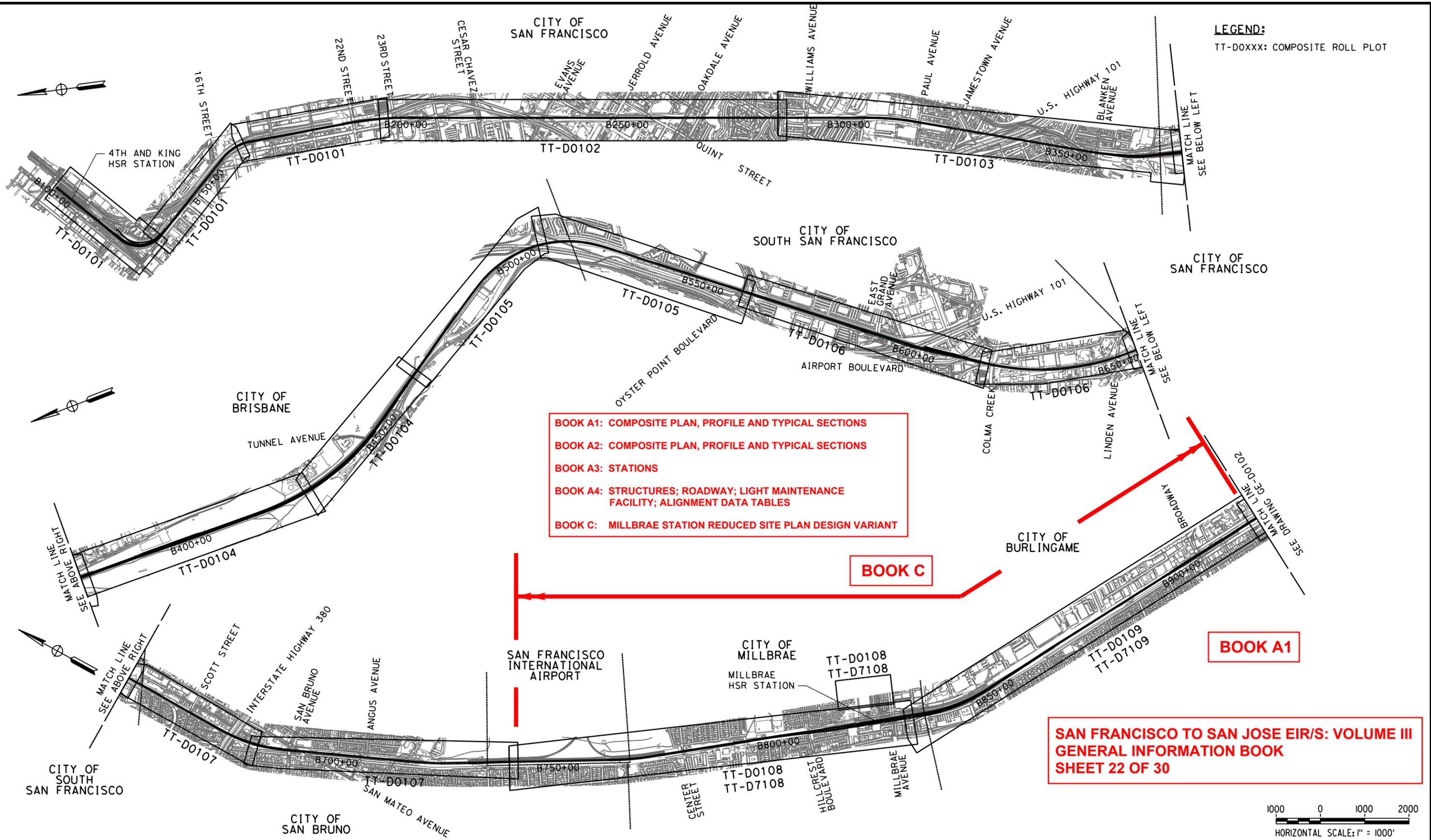
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE**
GENERAL
SCHEDULE OF TRACK SHIFTS, STATION EQUATIONS
AND THIRD PARTY PROJECT CONFORMS

CONTRACT NO. HSR15-34
DRAWING NO. GE-R0102
SCALE NONE
SHEET NO.



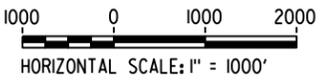
LEGEND:
TT-DOXXX: COMPOSITE ROLL PLOT

- BOOK A1: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS
- BOOK A2: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS
- BOOK A3: STATIONS
- BOOK A4: STRUCTURES; ROADWAY; LIGHT MAINTENANCE FACILITY; ALIGNMENT DATA TABLES
- BOOK C: MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT

BOOK C

BOOK A1

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 22 OF 30**



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DATE	

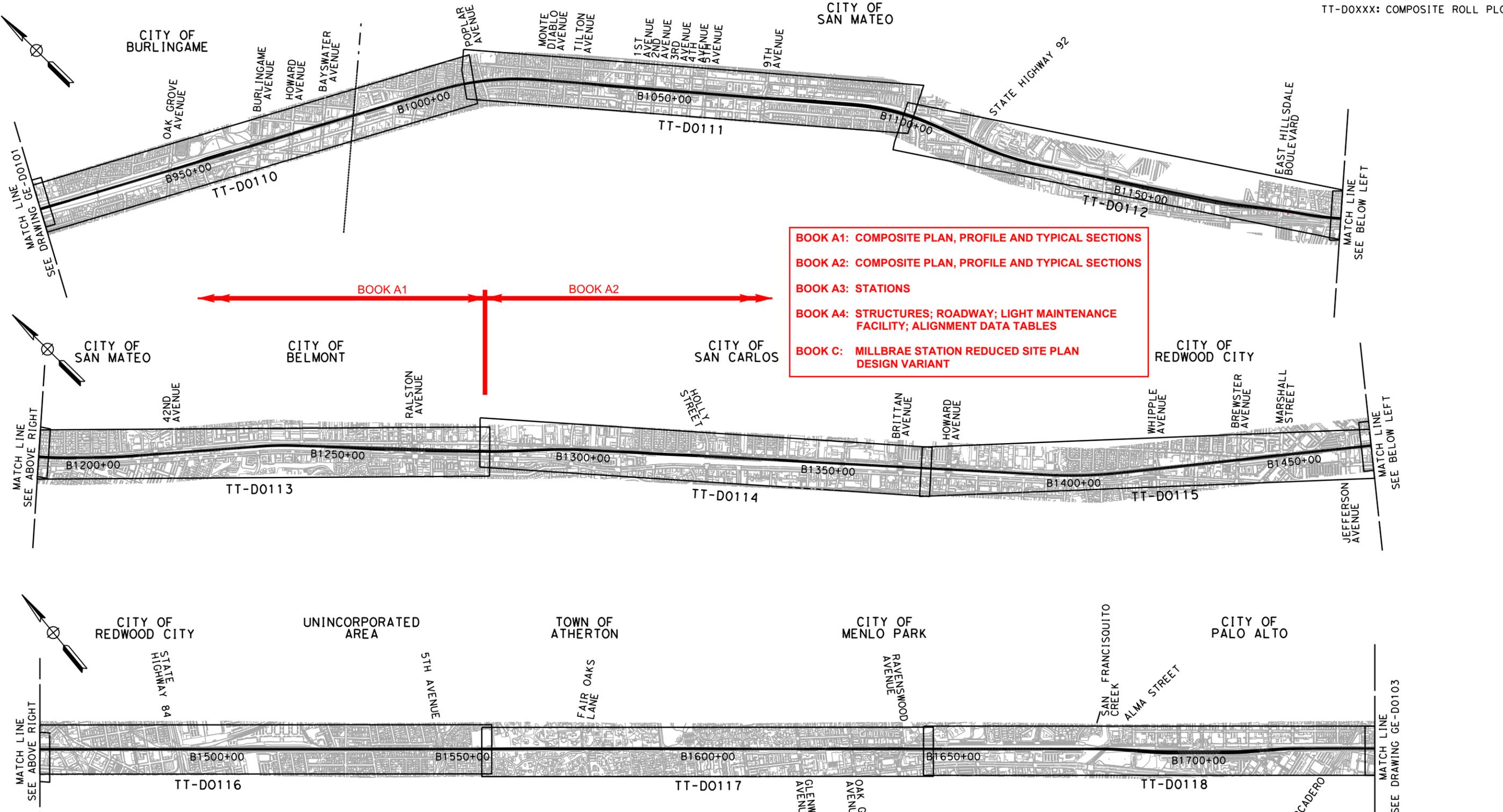
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Oakland, CA 94607



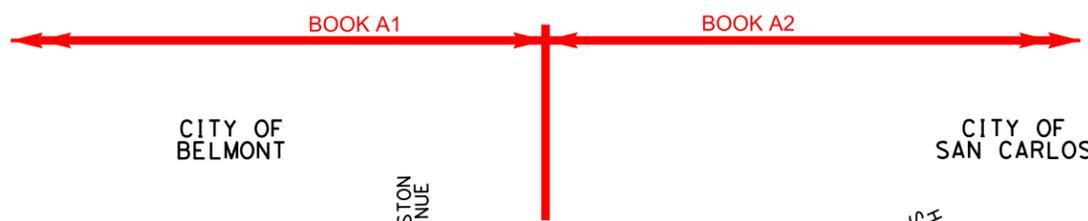
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE**
ALTERNATIVE A
KEY MAP
COMPOSITE PLAN
SHEET 1 OF 3

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-D1101
SCALE	AS SHOWN
SHEET NO.	

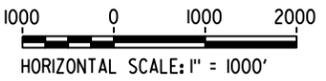
LEGEND:
TT-D0XXX: COMPOSITE ROLL PLOT



- BOOK A1: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS
- BOOK A2: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS
- BOOK A3: STATIONS
- BOOK A4: STRUCTURES; ROADWAY; LIGHT MAINTENANCE FACILITY; ALIGNMENT DATA TABLES
- BOOK C: MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT



**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 23 OF 30**



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NOVEMBER 30, 2021

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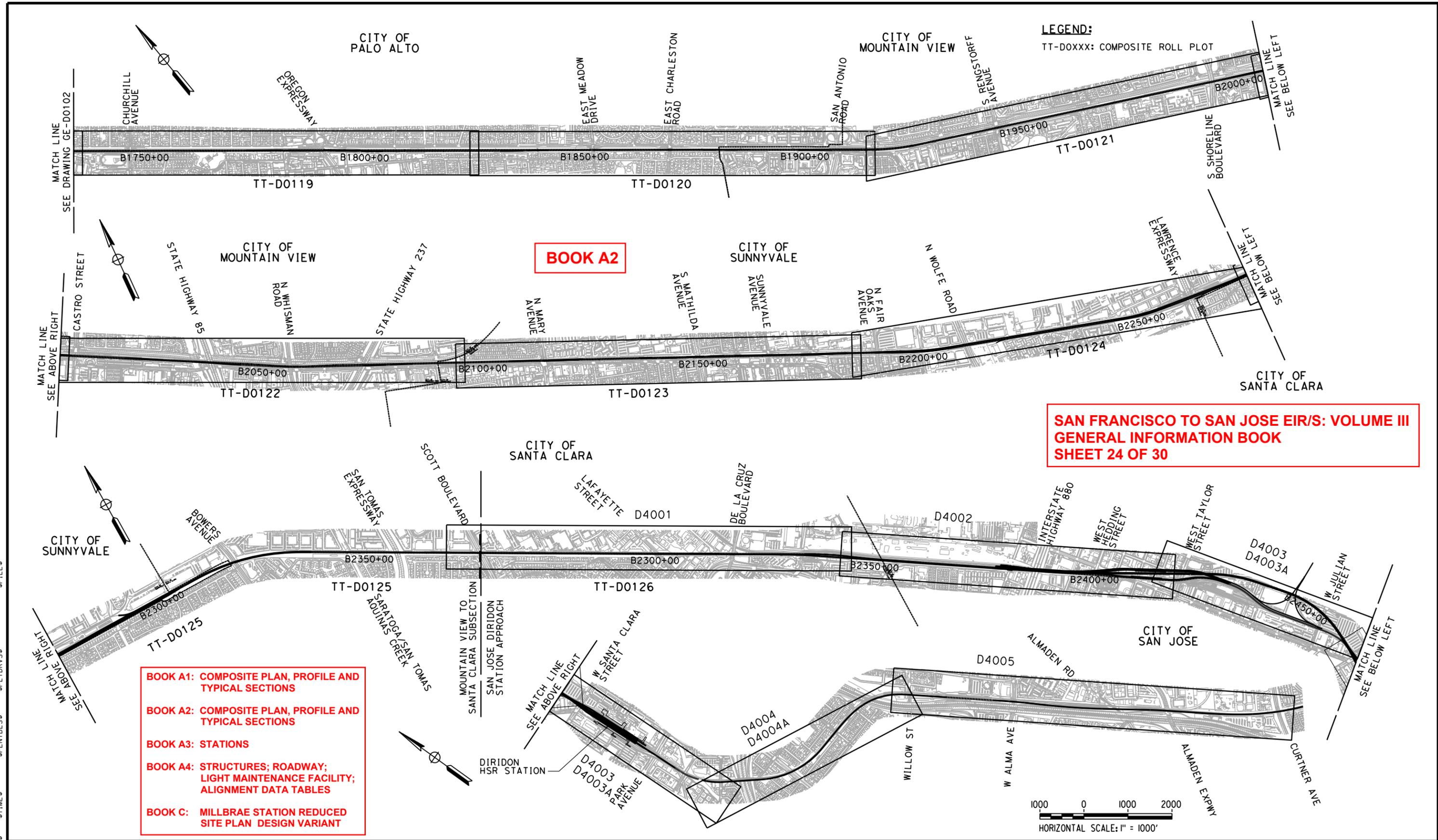
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE**

ALTERNATIVE A
KEY MAP
COMPOSITE PLAN
SHEET 2 OF 3

CONTRACT NO.
HSR15-34
DRAWING NO.
GE-D1102
SCALE
AS SHOWN
SHEET NO.



BOOK A1: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS

BOOK A2: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS

BOOK A3: STATIONS

BOOK A4: STRUCTURES; ROADWAY; LIGHT MAINTENANCE FACILITY; ALIGNMENT DATA TABLES

BOOK C: MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT

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2021 RECORD SET PEPP

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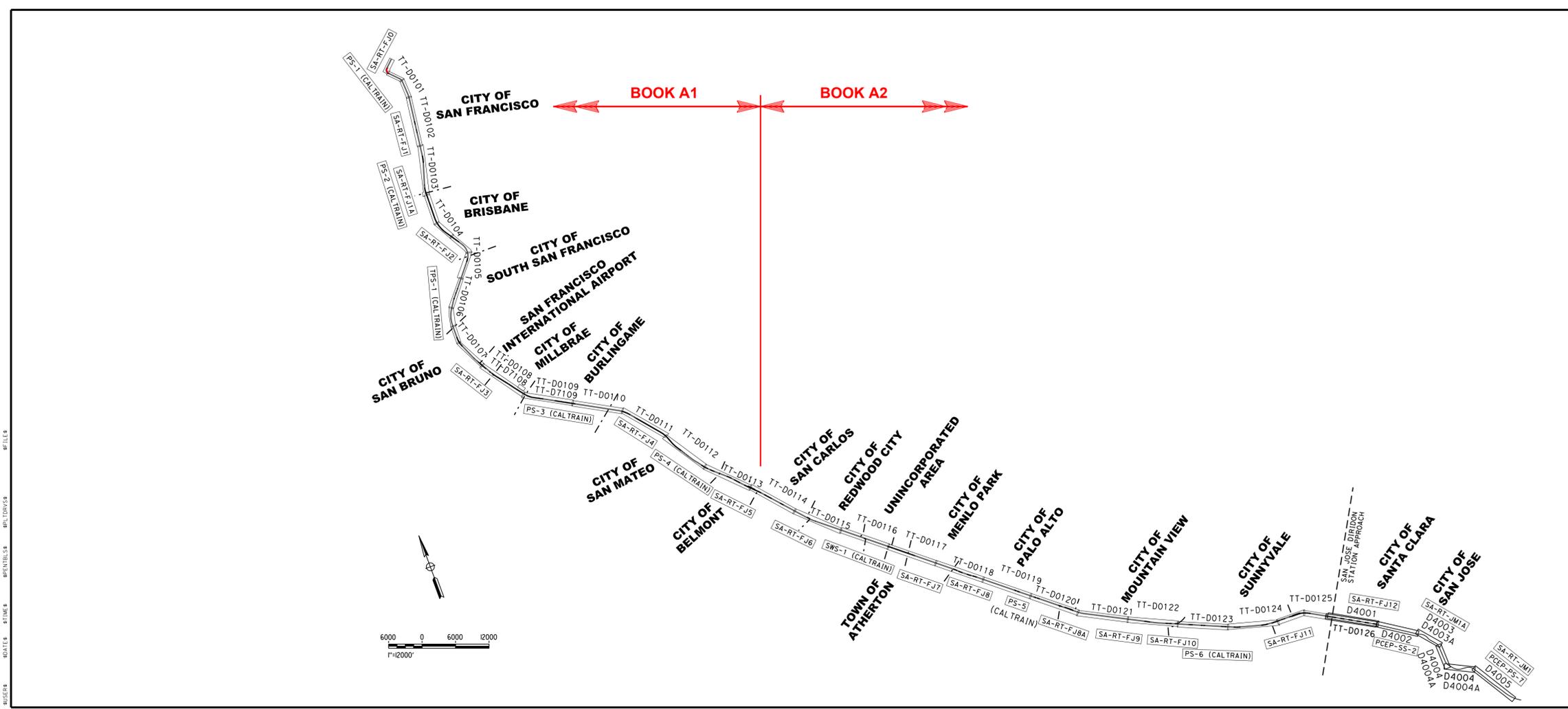
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CALIFORNIA HIGH-SPEED TRAIN PROJECT

SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
KEY MAP
COMPOSITE PLAN
SHEET 3 OF 3

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-D1103
SCALE	AS SHOWN
SHEET NO.	



ALTERNATIVE A

Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (mi)	Automatic Train Control Sites	Dist. to Prev. ATC-D (mi)	Communications Radio Tower	Dist. to Prev. RT (mi)	Cross Street
104+63	4th & King Passenger Station					Radio Tower 4th & King Sta		4th St
133+15								
STATION EQUATION STA B133+15.12 = STA B139+00.00								
139+00								
162+58	Mariposa PS-1 (Caltrain)	PCEP-PS-1	3.86			Radio Tower PS-1 (Caltrain)	0.99	Mariposa St
167+09								
185+27								
198+80								
209+69								
245+49						Stand Alone Radio Tower FJ1 - Alt 1		Jerrold Ave
258+78						to RT 4th & King Sta	2.56	
						to RT PS-1	1.57	
						Stand Alone Radio Tower FJ1 - Alt 2		Newcomb Ave
						to RT 4th & King Sta	2.81	
						to RT PS-1	1.82	
264+92								
288+52								
322+20								
357+57								
358+50						Stand Alone Radio Tower FJ1A		Blanken Ave
						to SA-RT FJ1 - Alt 1	2.14	
						to SA-RT FJ1 - Alt 2	1.89	
366+50	Bayshore PS-2 (Caltrain)	PCEP-PS-2	3.86					Recycle Road
467+30						Stand Alone Radio Tower FJ2 - Alt 1		Bayshore Boulevard
						to SA-RT FJ1A	2.06	
476+65						Stand Alone Radio Tower FJ2 - Alt 2		Bayshore Boulevard
						to SA-RT FJ1A	2.24	
540+00								
STATION EQUATION STA B540+00.02 = STA B542+50.00								
542+50								
585+00	South San Francisco TPS-1 (Caltrain)	PCEP-TPS-1	4.09			Radio Tower TPS-1 (Caltrain)		Grand Ave
						to RT FJ2 - Alt 1	2.18	
						to SA-RT FJ2 - Alt 2	2.00	
662+50								
STATION EQUATION STA B662+50.02 = STA B665+00.00								

ALTERNATIVE A (CONTINUED)

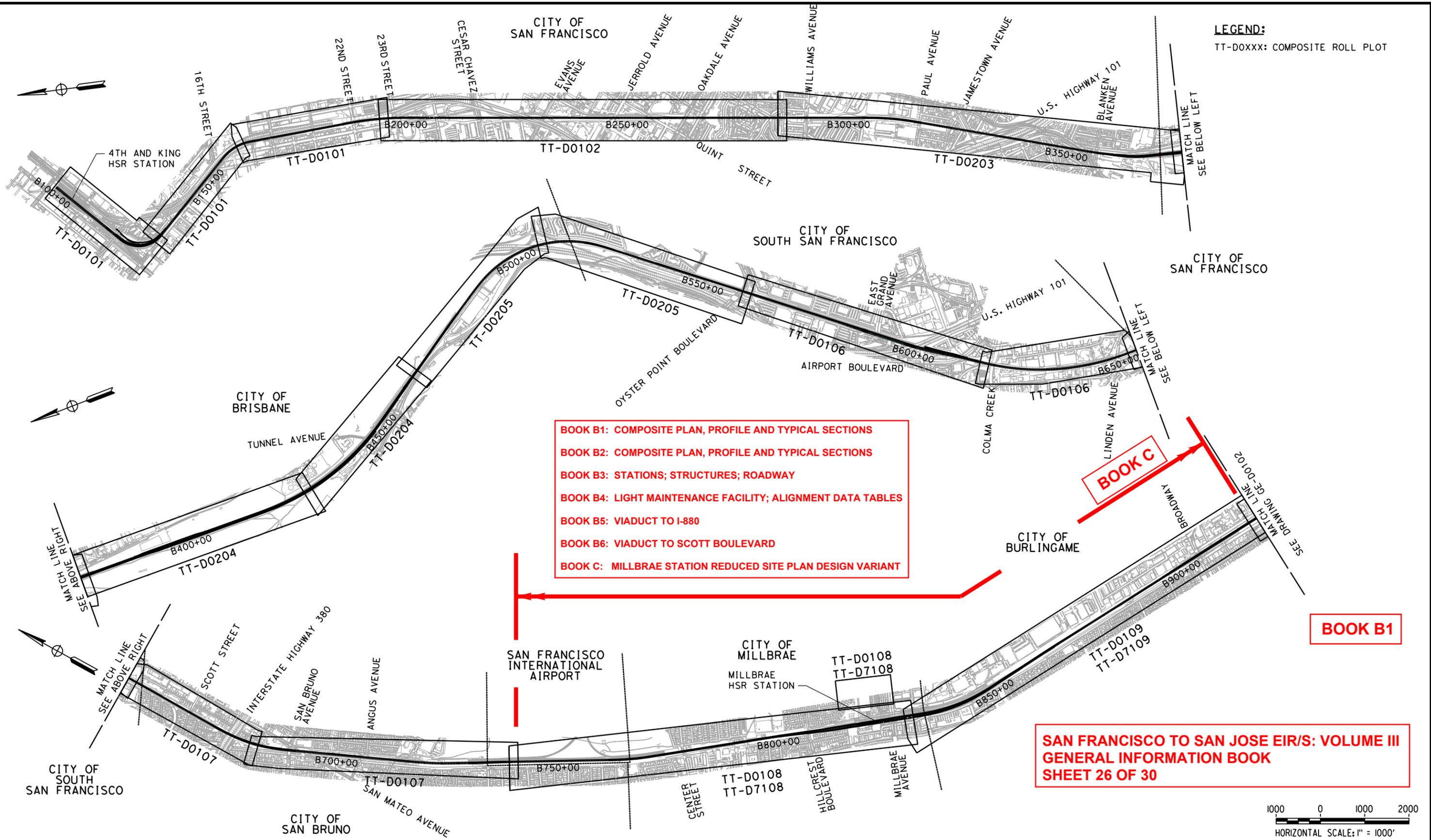
Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (mi)	Automatic Train Control Sites	Dist. to Prev. ATC-D (mi)	Communications Radio Tower	Dist. to Prev. RT (mi)	Cross Street
665+00								
741+43						Stand Alone Radio Tower FJ3 - Alt 1		San Marco Ave
						to RT TPS-1	2.92	
745+23						Stand Alone Radio Tower FJ3 - Alt 2		Santa Lucia Ave
						to RT TPS-1	2.99	
890+00	Broadway PS-3 (Caltrain)	PCEP-PS-3	5.73			Radio Tower PS-3 (Caltrain)		Lincoln Ave
						to SA-RT FJ3 - Alt 1	2.81	
						to SA-RT FJ3 - Alt 2	2.74	
1038+91						Stand Alone Radio Tower FJ4 - Alt 1		Cypress Avenue
						to RT PS-3	2.82	
1046+13						Stand Alone Radio Tower FJ4 - Alt 2		2nd Avenue
						to RT PS-3	2.96	
1179+32	Hillsdale PS-4 (Caltrain)	PCEP-PS-4	5.48			Radio Tower PS-4 (Caltrain)		E. Hillsdale Boulevard
						to SA-RT FJ4 - Alt 1	2.66	
						to SA-RT FJ4 - Alt 2	2.52	
1257+62						Stand Alone Radio Tower FJ5 - Alt 1		Middle Road
						to RT PS-4	1.48	
1269+19						Stand Alone Radio Tower FJ5 - Alt 2		Ralston Avenue
						to RT PS-4	1.70	
1383+23						Stand Alone Radio Tower FJ6 - Alt 2		El Camino Real/Central Avenue
						to SA-RT FJ5 - Alt 1	2.38	
						to SA-RT FJ5 - Alt 2	2.16	
1387+77						Stand Alone Radio Tower FJ6 - Alt 1		Center Street
						to SA-RT FJ5 - Alt 1	2.46	
						to SA-RT FJ5 - Alt 2	2.25	
1420+00								
STATION EQUATION STA B1419+99.97 = STA B1425+00.00								
1425+00								
1495+25	Redwood Junction SWS-1 (Caltrain)	PCEP-SWS-1	5.89			Radio Tower SWS-1 (Caltrain)		SR 84
						to SA-RT FJ6 - Alt 2	2.03	
						to SA-RT FJ6 - Alt 1	1.94	
1627+06						Stand Alone Radio Tower FJ7 - Alt 1		Derby Lane
						to RT SWS-1	2.50	
1638+84						Stand Alone Radio Tower FJ7 - Alt 2		Ravenswood Avenue
						to RT SWS-1	2.72	
1725+76						Stand Alone Radio Tower FJ8 - Alt 1		Addison Avenue
						to SA-RT FJ7 - Alt 1	1.87	
						to SA-RT FJ7 - Alt 2	1.65	
1728+64						Stand Alone Radio Tower FJ8 - Alt 2		Embarcadero Road
						to SA-RT FJ7 - Alt 1	1.92	
						to SA-RT FJ7 - Alt 2	1.70	
1801+90	West Meadow PS-5 (Caltrain)	PCEP-PS-5	5.81					
						to RT SWS-1	6.69	
1861+61						Stand Alone Radio Tower FJ8A - Alt 2		E. Charleston Road
						to SA-RT FJ8 - Alt 1	2.57	
						to SA-RT FJ8 - Alt 2	2.52	
1865+41						Stand Alone Radio Tower FJ8A - Alt 1		Park Boulevard
						to SA-RT FJ8 - Alt 1	2.64	
						to SA-RT FJ8 - Alt 2	2.59	
1991+97						Stand Alone Radio Tower FJ9 - Alt 1		N. Shoreline Boulevard
						to SA-RT FJ8A - Alt 2	2.47	
						to SA-RT FJ8A - Alt 1	2.40	
1998+51						Stand Alone Radio Tower FJ9 - Alt 2		N. Shoreline Boulevard
						to SA-RT FJ8A - Alt 1	2.52	
						to SA-RT FJ8A - Alt 2	2.59	
2091+76						Stand Alone Radio Tower FJ10 - Alt 1		E. Bernardo Avenue
						to SA-RT FJ9 - Alt 1	1.89	
						to SA-RT FJ9 - Alt 2	1.77	
2093+59						Stand Alone Radio Tower FJ10 - Alt 2		E. Bernardo Avenue
						to SA-RT FJ9 - Alt 1	1.92	
						to SA-RT FJ9 - Alt 2	1.80	
2154+99	Sunnyvale PS-6 (Caltrain)	PCEP-PS-6	6.82			Radio Tower PS-6 (Caltrain)		Mathilda Avenue
						to SA-RT FJ10 - Alt 1	1.20	
						to SA-RT FJ10 - Alt 2	1.16	
2268+87						Stand Alone Radio Tower FJ11 - Alt 1		Lawrence Expressway
						to RT PS-6	2.57	
2290+53						Stand Alone Radio Tower FJ11 - Alt 2		Lawrence Expressway
						to RT PS-6	2.57	
2375+19								

ALTERNATIVE A (CONTINUED)

Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (mi)	Automatic Train Control Sites	Dist. to Prev. ATC-D (mi)	Communications Radio Tower	Dist. to Prev. RT (mi)	Cross Street
SCOTT BOULEVARD								
Station Equation FJ - ALT. A POE (SB) B2375+19.10 = ALT. 4 POB (SB) B2872+66.56 POB								
2872+87								
2874+71						Stand Alone Radio Tower FJ12 - Alt 1		Scott Boulevard
						to SA-RT FJ11 - Alt 1	2.05	
2899+66						Stand Alone Radio Tower FJ12 - Alt 2		Lafayette Street
						to SA-RT FJ11 - Alt 1	2.52	
						to SA-RT FJ11 - Alt 2	2.11	
3002+00	Caltrain PCEP TPS-2	PCEP-TPS-2	36.35			Radio Tower PCEP TPS-2		1880
						to SA-RT FJ12 - Alt 1	2.41	
						to SA-RT FJ12 - Alt 2	1.94	
3085+00	Dividon Passenger Station							
3141+50								
3196+50								
3199+00	Caltrain PCEP PS-7	PCEP-PS-7						Almaden Road

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 25 OF 30

2021 RECORD SET P&P NOVEMBER 30, 2021 NOT FOR CONSTRUCTION		1111 Broadway 9th Floor Oakland, CA 94607		CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE ALTERNATIVE A KEY MAP SYSTEM SITES	CONTRACT NO. HSR15-34 DRAWING NO. CE-D1104 SCALE AS SHOWN SHEET NO.



LEGEND:
TT-DOXXX: COMPOSITE ROLL PLOT

BOOK B1: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS
BOOK B2: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS
BOOK B3: STATIONS; STRUCTURES; ROADWAY
BOOK B4: LIGHT MAINTENANCE FACILITY; ALIGNMENT DATA TABLES
BOOK B5: VIADUCT TO I-380
BOOK B6: VIADUCT TO SCOTT BOULEVARD
BOOK C: MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 26 OF 30



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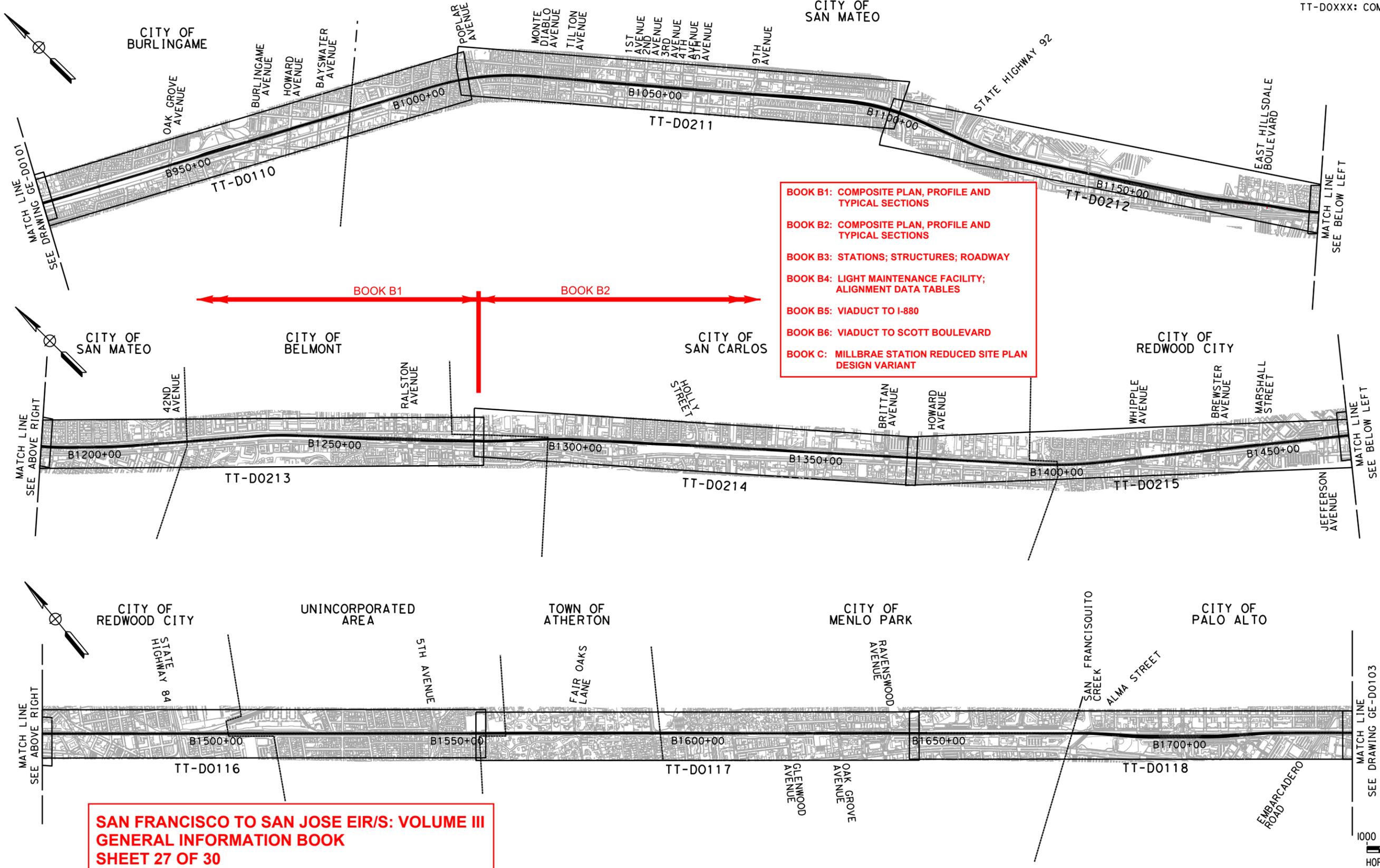
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE
 ALTERNATIVE B
 KEY MAP
 COMPOSITE PLAN
 SHEET 1 OF 4

CONTRACT NO.
HSR15-34
DRAWING NO.
GE-D2101
SCALE
AS SHOWN
SHEET NO.

LEGEND:
TT-D0XXX: COMPOSITE ROLL PLOT



- BOOK B1: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS**
- BOOK B2: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS**
- BOOK B3: STATIONS; STRUCTURES; ROADWAY**
- BOOK B4: LIGHT MAINTENANCE FACILITY; ALIGNMENT DATA TABLES**
- BOOK B5: VIADUCT TO I-880**
- BOOK B6: VIADUCT TO SCOTT BOULEVARD**
- BOOK C: MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT**

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 27 OF 30**

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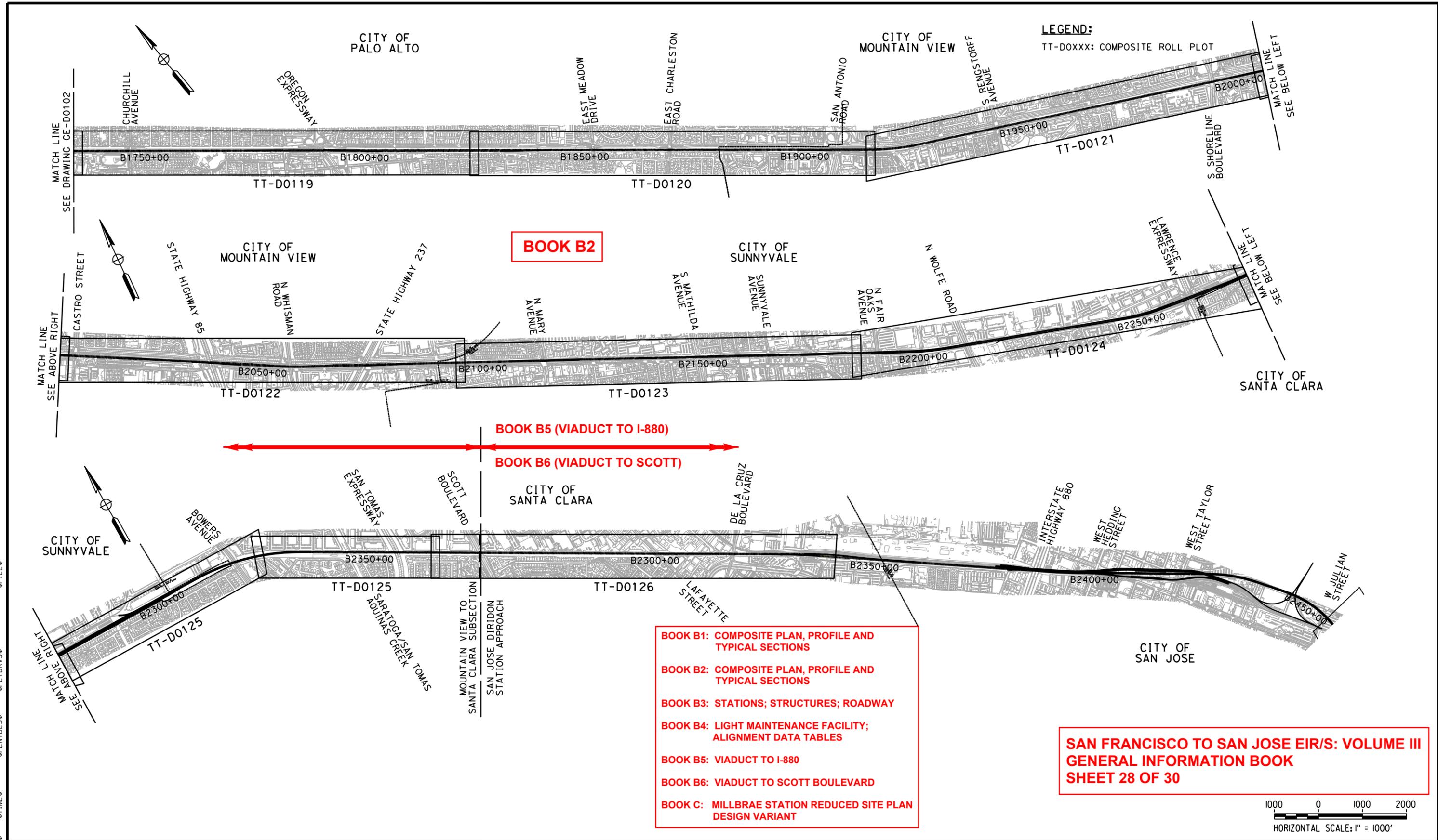
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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE**

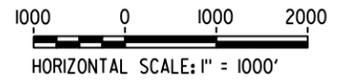
ALTERNATIVE B
KEY MAP
COMPOSITE PLAN
SHEET 2 OF 4

CONTRACT NO.
HSR15-34
DRAWING NO.
GE-D2102
SCALE
AS SHOWN
SHEET NO.



- BOOK B1: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS**
- BOOK B2: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS**
- BOOK B3: STATIONS; STRUCTURES; ROADWAY**
- BOOK B4: LIGHT MAINTENANCE FACILITY; ALIGNMENT DATA TABLES**
- BOOK B5: VIADUCT TO I-880**
- BOOK B6: VIADUCT TO SCOTT BOULEVARD**
- BOOK C: MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT**

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 28 OF 30**



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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE

ALTERNATIVE B
KEY MAP
COMPOSITE PLAN
SHEET 3 OF 4

CONTRACT NO.
HSR15-34

DRAWING NO.
GE-D2103

SCALE
AS SHOWN

SHEET NO.

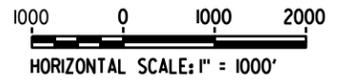
LEGEND:
 TT-DOXXX: COMPOSITE ROLL PLOT

**ALTERNATIVE B
 SCOTT BLVD TO W. ALMA
 (VIADUCT TO I-880)
 BOOK B5**

- BOOK B1: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS**
- BOOK B2: COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS**
- BOOK B3: STATIONS; STRUCTURES; ROADWAY**
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- BOOK B6: VIADUCT TO SCOTT BOULEVARD**
- BOOK C: MILLBRAE STATION REDUCED SITE PLAN DESIGN VARIANT**

**ALTERNATIVE B
 SCOTT BLVD TO W. ALMA
 (VIADUCT TO SCOTT BLVD)
 BOOK B6**

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
 GENERAL INFORMATION BOOK
 SHEET 29 OF 30**



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REV	DATE	BY	CHK	APP	DESCRIPTION

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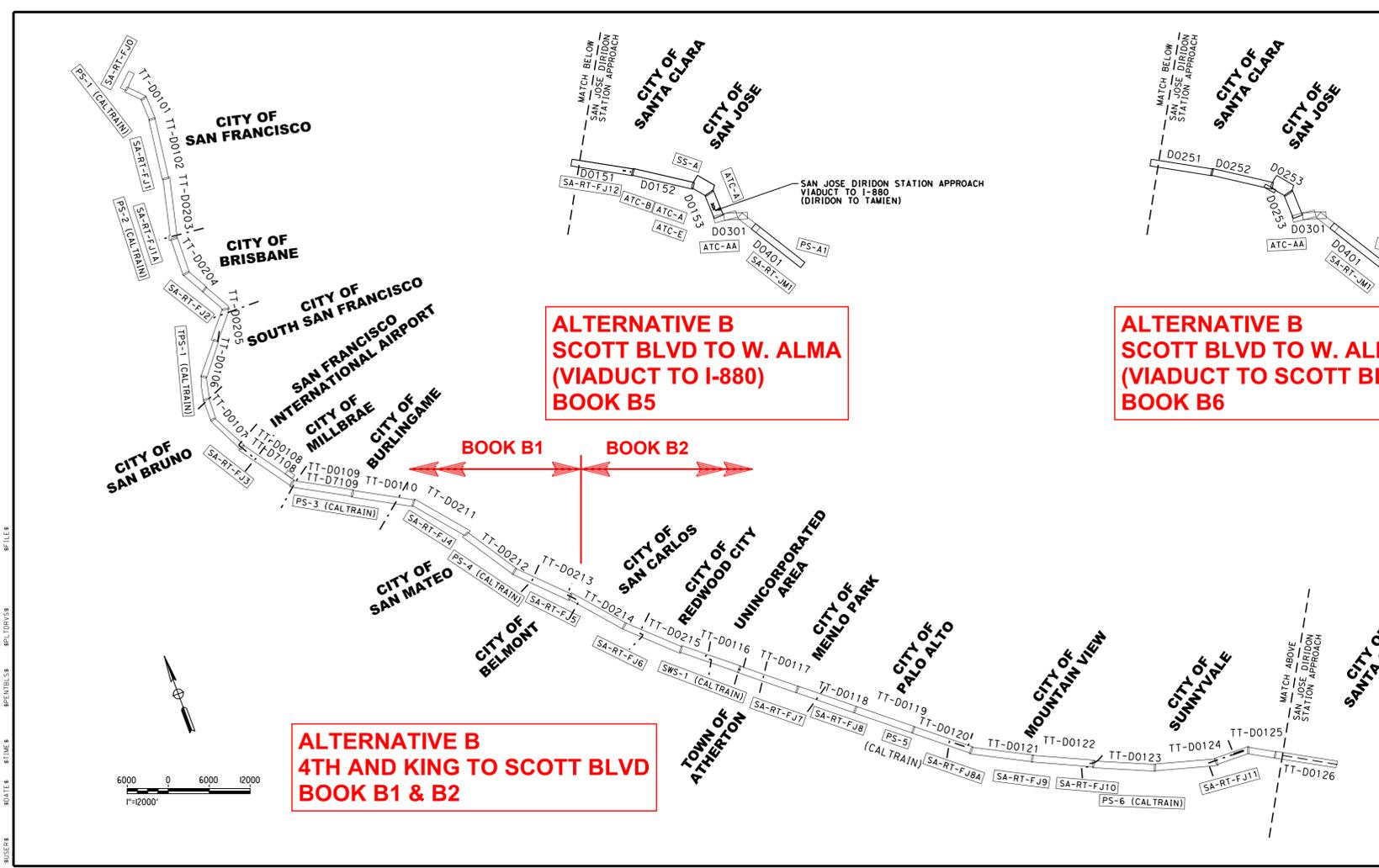
**2021 RECORD
 SET PEPP**
 NOVEMBER 30, 2021
**NOT FOR
 CONSTRUCTION**

HNTB 1111 Broadway
 9th Floor
 Oakland, CA 94607



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN FRANCISCO TO SAN JOSE**
 ALTERNATIVE B
 KEY MAP
 COMPOSITE PLAN
 SHEET 4 OF 4

CONTRACT NO.	HSR15-34
DRAWING NO.	GE-D2104
SCALE	AS SHOWN
SHEET NO.	



**ALTERNATIVE B
SCOTT BLVD TO W. ALMA
(VIADUCT TO I-880)
BOOK B5**

**ALTERNATIVE B
SCOTT BLVD TO W. ALMA
(VIADUCT TO SCOTT BLVD)
BOOK B6**

**ALTERNATIVE B
4TH AND KING TO SCOTT BLVD
BOOK B1 & B2**

ALTERNATIVE B

Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (m)	Automatic Train Control Sites	Dist. to Prev. ATC-D (m)	Communications Radio Tower	Dist. to Prev. RT (m)	Cross Street
104+63	4th & King Passenger Station					Radio Tower 4th & King Sta FJ0		4th St
133+15	STATION EQUATION STA B133+15.12 = STA B139+00.00							
139+00								
162+58	Mariposa PS-1 (Caltrain)	PCEP-PS-1	3.86			Radio Tower PS-1 (Caltrain)		Mariposa St
167+09								
189+27								
198+80								
209+69								
245+49						Stand Alone Radio Tower FJ1 - Alt 1	2.56	Jerrold Ave
258+78						Stand Alone Radio Tower FJ1 - Alt 2	1.57	Newcomb Ave
284+92								
289+52								
322+20								
357+57								
358+24								
358+50								
366+50	Bayshore PS-2 (Caltrain)							Recycle Road
467+30						Stand Alone Radio Tower FJ2 - Alt 1	2.06	Bayshore Boulevard
476+65						Stand Alone Radio Tower FJ2 - Alt 2	2.24	Bayshore Boulevard
539+86								
542+50								
585+00	South San Francisco TPS-1 (Caltrain)	PCEP-TPS-1	4.09			Radio Tower TPS-1 (Caltrain)	2.18	Grand Ave
662+59								
665+00								
741+43						Stand Alone Radio Tower FJ3 - Alt 1	2.92	San Marco Ave
745+23						Stand Alone Radio Tower FJ3 - Alt 2	2.99	Santa Lucia Ave
890+00	Broadway PS-3 (Caltrain)	PCEP-PS-3	5.73			Radio Tower PS-3 (Caltrain)	2.81	Lincoln Ave
1038+91						Stand Alone Radio Tower FJ4 - Alt 1	2.74	Cypress Avenue
1046+13						Stand Alone Radio Tower FJ4 - Alt 2		2nd Avenue

ALTERNATIVE B (CONTINUED)

Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (m)	Automatic Train Control Sites	Dist. to Prev. ATC-D (m)	Communications Radio Tower	Dist. to Prev. RT (m)	Cross Street
1071+00	Beginning of Alternative B - Short Middle 4-Track							
1179+32	Hillsdale PS-4 (Caltrain)					Radio Tower PS-4 (Caltrain)		E. Hillsdale Boulevard
1257+62								Middle Road
1269+19								Ralston Avenue
1383+23						Stand Alone Radio Tower FJ5 - Alt 1	1.70	El Camino
1387+77						Stand Alone Radio Tower FJ5 - Alt 2	2.25	Center Street
1419+97								
1425+00								
1425+25	Redwood Junction SWS-1 (Caltrain)	PCEP-SWS-1	5.89			Radio Tower SWS-1 (Caltrain)	2.03	SR 84
1627+06						Stand Alone Radio Tower FJ7 - Alt 1	2.50	Derby Lane
1638+94						Stand Alone Radio Tower FJ7 - Alt 2	2.72	Ravenswood Avenue
1725+76						Stand Alone Radio Tower FJ8 - Alt 1	1.67	Addison Avenue
1728+64						Stand Alone Radio Tower FJ8 - Alt 2	1.70	Embarcadero Road
1801+90	West Meadow PS-5 (Caltrain)	PCEP-PS-5	5.81			Radio Tower SWS-1 (Caltrain)	6.89	
1861+61						Stand Alone Radio Tower FJ8A - Alt 1	2.57	E. Charleston Road
1865+41						Stand Alone Radio Tower FJ8A - Alt 2	2.59	Park Boulevard
1991+97						Stand Alone Radio Tower FJ9 - Alt 1	2.47	N. Shoreline Boulevard
1998+51						Stand Alone Radio Tower FJ9 - Alt 2	2.59	N. Shoreline Boulevard
2091+76						Stand Alone Radio Tower FJ10 - Alt 1	1.89	E. Bernardo Avenue
2093+59						Stand Alone Radio Tower FJ10 - Alt 2	1.92	E. Bernardo Avenue
2154+99	Sunnyvale PS-6 (Caltrain)	PCEP-PS-6	6.89			Radio Tower PS-6 (Caltrain)	6.62	Mathilda Avenue
2268+87								Lawrence Expressway
2290+53								Lawrence Expressway
2375+19								
	End of San Francisco to San Jose Section (FJ)							
	SCOTT BOULEVARD							

ALTERNATIVE B (SCOTT BLVD TO W. ALMA) (VIADUCT TO I-880)

Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (m)	Automatic Train Control Sites	Dist. to Prev. ATC-D (m)	Communications Radio Tower	Dist. to Prev. RT (m)	Cross Street
2280+00	SCOTT BOULEVARD							
2282+13						Stand Alone Radio Tower FJ12 - Alt 1	2.05	
2287+08						Stand Alone Radio Tower FJ12 - Alt 2	1.64	
2389+15								
2389+50	Caltrain PCEP TPS-2 - Alt 1					Radio Tower SS-A - Alt 1	2.41	
2391+87	Substation A (HSR) - ALT2	B-SS-STO (Alt 2)				Radio Tower SS-A - Alt 2	2.46	Stockton Ave.
2393+77								
2394+72								
2476+07	Diridon Passenger Station							
2480+81	End of Scott to Diridon Subsection							
2484+32						Radio Tower Interlocking Site E - Alt 1	1.42	
66+10						Caltrain PCEP TPS-2 - Alt 1	1.37	
77+33						to Substation A (HSR)	1.32	
2476+00	Diridon Passenger Station							
2481+15	End of San Francisco to San Jose Section (FJ) - Scott to Diridon Subsection							
52+91	Station Equation FJ ALT A (NRRW) POE 2481+15.17 (SB) = DRDN-TAMI POB 52+90.53 (SB)							
66+10						House at Interlocking Site B		
77+33						House at Interlocking Site A		
91+34						House at Interlocking Site AA		
91+21						Radio Tower Interlocking Site AA - Alt 4	2.46	
150+00	End of Diridon to Tamien Subsection							

ALTERNATIVE B (SCOTT BLVD TO W. ALMA) (VIADUCT TO SCOTT BLVD)

Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (m)	Automatic Train Control Sites	Dist. to Prev. ATC-D (m)	Communications Radio Tower	Dist. to Prev. RT (m)	Cross Street
2280+00	SCOTT BOULEVARD							
2281+60						House at Interlocking Site A		
2289+15						Radio Tower Interlocking Site A	2.04	
2289+58						to SA-RT FJ11 - Alt 1	1.63	
2389+15								
2389+58						House at Interlocking Site B		
2389+58	Caltrain PCEP TPS-2 - Alt 1					Radio Tower SS-A - Alt 1	2.42	
2391+52	Substation A (HSR) - ALT2	B-SS-STO (Alt 2)				Radio Tower SS-A - Alt 2	2.46	Stockton Ave.
2463+97						House at Interlocking Site E		
2476+07	Diridon Passenger Station					Radio Tower Interlocking Site E - Alt 1	1.42	
2480+81						to Substation A (HSR)	1.37	
52+91	End of Scott to Diridon Subsection							
66+10	Station Equation FJ - ALT B (WIDE) POE 2480+80.58 (SB) = DRDN-TAMI POB 52+90.53 (SB)							
77+33						House at Interlocking Site B		
91+34						House at Interlocking Site AA		
150+00	End of Diridon to Tamien Subsection							

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 30 OF 30**

2021 RECORD SET PPD NOVEMBER 30, 2021 NOT FOR CONSTRUCTION	HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE ALTERNATIVE B SYSTEM SITES	CONTRACT NO. HSR15-34 DRAWING NO. CE-D2105 SCALE AS SHOWN SHEET NO.
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