

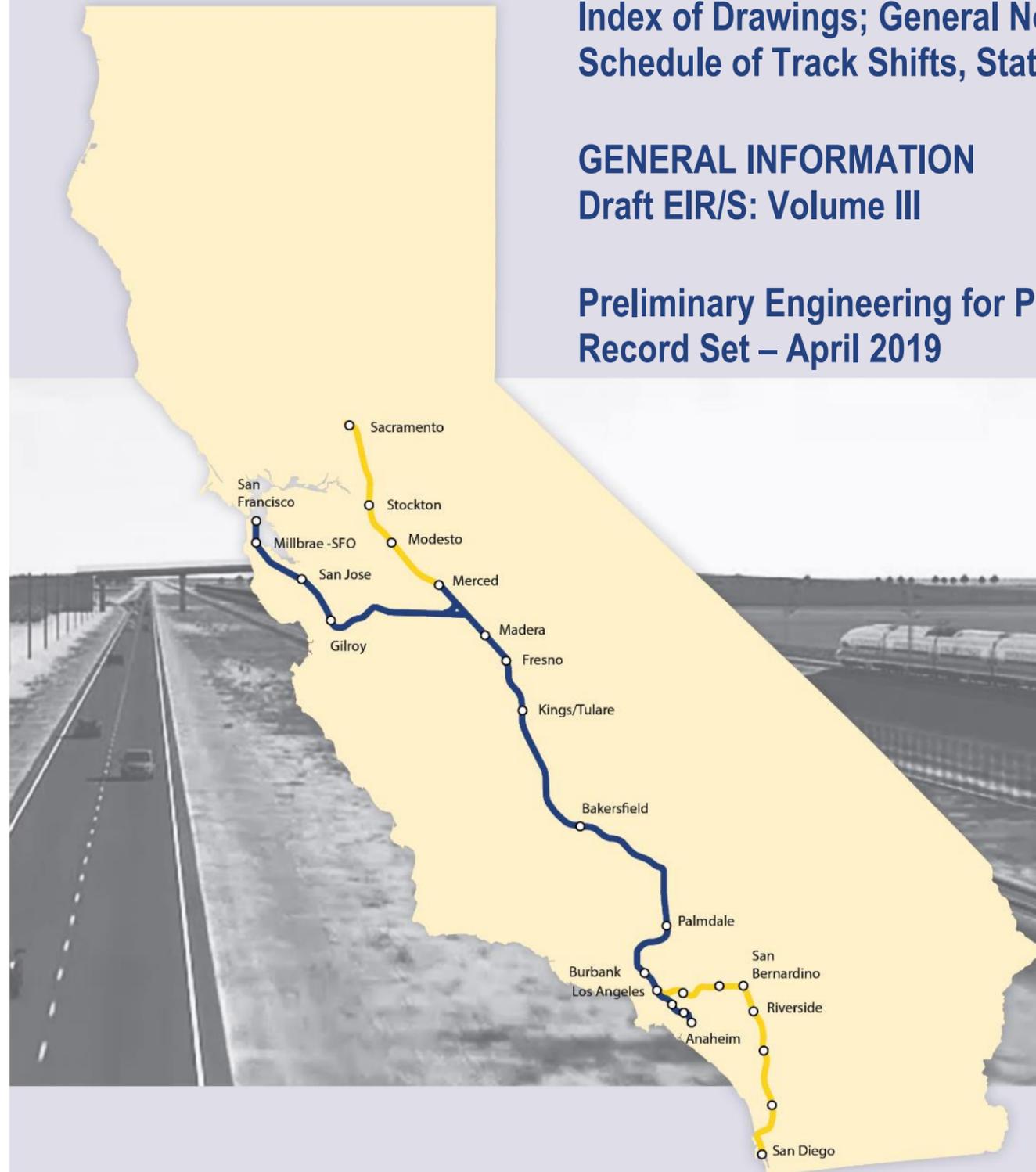
California High-Speed Rail Authority

San Francisco to San Jose Project Section

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

GENERAL INFORMATION
Draft EIR/S: Volume III

Preliminary Engineering for Project Definition
Record Set – April 2019



**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 1-29**



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

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	N/A			BLANK	
3	N/A			BLANK	
4	GE-AG100	GENERAL	INDEX OF DRAWINGS		
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16	GE-B0101	GENERAL	GENERAL NOTES		
17	GE-C0101	GENERAL	ABBREVIATIONS	SHEET 1 OF 2	
18	GE-C0102	GENERAL	ABBREVIATIONS	SHEET 2 OF 2	
19	GE-R0101	GENERAL		SCHEDULE OF QUAD GATES	
20	GE-R0102	GENERAL		SCHEDULE OF TRACK SHIFTS, STATION EQUATIONS	AND THIRD PARTY PROJECT CONFORMS
21	GE-D1101	ALTERNATIVE A	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
22	GE-D1102	ALTERNATIVE A	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
23	GE-D1103	ALTERNATIVE A	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
24	GE-D1104	ALTERNATIVE A	KEY MAP	SYSTEM SITES	
25	GE-D2101	ALTERNATIVE B	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN FRANCISCO TO SAN JOSE
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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		4TH & KING TO CALTRAIN BELMONT STATION	INDEX OF DRAWINGS	SHEET 1 OF 5	
BOOK A1	C	GE-D1101	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK A1	D	GE-D1102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
BOOK A1	E	GE-D1103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
BOOK A1	F	GE-D1104	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

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

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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		HARBOR BLVD TO SCOTT BLVD	INDEX OF DRAWINGS	SHEET 2 OF 5	
BOOK A2	C	GE-D1101	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK A2	D	GE-D1102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
BOOK A2	E	GE-D1103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
BOOK A2	F	GE-D1104	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-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	31	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

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

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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		STATION	INDEX OF DRAWINGS	SHEET 3 OF 5	
BOOK A3	C	GE-D1101	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK A3	D	GE-D1102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
BOOK A3	E	GE-D1103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
BOOK A3	F	GE-D1104	ENTIRE ALTERNATIVE		KEY MAP	SYSTEM SITES	
STATIONS							
BOOK A3	32	AR-J0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO		4TH AND KING	GENERAL SITE PLAN	
BOOK A3	33	AR-J0102	SAN FRANCISCO TO SOUTH SAN FRANCISCO		4TH AND KING	DETAILED SITE PLAN	
BOOK A3	34	AR-J0103	SAN FRANCISCO TO SOUTH SAN FRANCISCO		4TH AND KING	PLATFORM LEVEL PLAN	
BOOK A3	35	AR-J0104	SAN FRANCISCO TO SOUTH SAN FRANCISCO		4TH AND KING	SECTION	
BOOK A3	36	AR-J0105	SAN FRANCISCO TO SOUTH SAN FRANCISCO		4TH AND KING	MASSING DIAGRAM 1	
BOOK A3	37	AR-J0106	SAN FRANCISCO TO SOUTH SAN FRANCISCO		4TH AND KING	MASSING DIAGRAM 2	
BOOK A3	38	AR-J0107	SAN FRANCISCO TO SOUTH SAN FRANCISCO		4TH AND KING	FACILITY SIZING TABLE	1 OF 3
BOOK A3	39	AR-J0108	SAN FRANCISCO TO SOUTH SAN FRANCISCO		4TH AND KING	FACILITY SIZING TABLE	2 OF 3
BOOK A3	40	AR-J0109	SAN FRANCISCO TO SOUTH SAN FRANCISCO		4TH AND KING	FACILITY SIZING TABLE	3 OF 3
BOOK A3	41	AR-J0111	SAN BRUNO TO SAN MATEO		MILLBRAE	GENERAL SITE PLAN	
BOOK A3	42	AR-J0112	SAN BRUNO TO SAN MATEO		MILLBRAE	DETAILED SITE PLAN	
BOOK A3	43	AR-J0113	SAN BRUNO TO SAN MATEO		MILLBRAE	CONCOURSE PLAN	
BOOK A3	44	AR-J0114	SAN BRUNO TO SAN MATEO		MILLBRAE	SECTION	
BOOK A3	45	AR-J0115	SAN BRUNO TO SAN MATEO		MILLBRAE	MASSING DIAGRAM 1	
BOOK A3	46	AR-J0116	SAN BRUNO TO SAN MATEO		MILLBRAE	MASSING DIAGRAM 2	
BOOK A3	47	AR-J0117	SAN BRUNO TO SAN MATEO		MILLBRAE	FACILITY SIZING TABLE	1 OF 3
BOOK A3	48	AR-J0118	SAN BRUNO TO SAN MATEO		MILLBRAE	FACILITY SIZING TABLE	2 OF 3
BOOK A3	49	AR-J0119	SAN BRUNO TO SAN MATEO		MILLBRAE	FACILITY SIZING TABLE	3 OF 3
BOOK A3	50	AR-C0201	SAN JOSE DIRIDON STATION APPROACH		SAN JOSE DIRIDON STATION	CONCEPTUAL SITE PLAN	
BOOK A3	51	AR-C0202	SAN JOSE DIRIDON STATION APPROACH		SAN JOSE DIRIDON STATION	DETAILED SITE PLAN	
BOOK A3	52	AR-F0201	SAN JOSE DIRIDON STATION APPROACH		SAN JOSE DIRIDON STATION	CONCOURSE PLAN	
BOOK A3	53	AR-Y0201	SAN JOSE DIRIDON STATION APPROACH		SAN JOSE DIRIDON STATION	CROSS SECTION	
BOOK A3	54	AR-Y0202	SAN JOSE DIRIDON STATION APPROACH		SAN JOSE DIRIDON STATION	MASSING DIAGRAM 1	
BOOK A3	55	AR-Y0203	SAN JOSE DIRIDON STATION APPROACH		SAN JOSE DIRIDON STATION	MASSING DIAGRAM 2	
BOOK A3	56	AR-Y0204	SAN JOSE DIRIDON STATION APPROACH		SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE	
BOOK A3	57	AR-Y0205	SAN JOSE DIRIDON STATION APPROACH		SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE	
BOOK A3	58	AR-Y0206	SAN JOSE DIRIDON STATION APPROACH		SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE	

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ALTERNATIVE A - SAN FRANCISCO TO SAN JOSE

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BOOK A4	A	COVER		4TH & KING TO W. ALMA	ALTERNATIVE A	ALTERNATIVE A	
BOOK A4	B	GE-A1104		COMPLEX STRUCTURES, GRADE SEPARATED AND MAINTENANCE	INDEX OF DRAWINGS	SHEET 4 OF 5	
BOOK A4	C	GE-A1105		ALIGNMENT DATA TABLE	INDEX OF DRAWINGS	SHEET 5 OF 5	
BOOK A4	D	GE-D1101	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK A4	E	GE-D1102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
BOOK A4	F	GE-D1103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
BOOK A4	G	GE-D1104	ENTIRE ALTERNATIVE		KEY MAP	SYSTEM SITES	
STRUCTURES							
BOOK A4	59	ST-T0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO			OVERPASSES AND UNDERPASSES	TUNNEL AVE AND HILLCREST BLVD BRIDGES
BOOK A4	60	ST-T4001	SAN JOSE DIRIDON STATION APPROACH			UNDERPASSES	GENERAL PLAN 1 OF 4
BOOK A4	61	ST-T4002	SAN JOSE DIRIDON STATION APPROACH			UNDERPASSES	GENERAL PLAN 2 OF 4
BOOK A4	62	ST-T4003	SAN JOSE DIRIDON STATION APPROACH			UNDERPASSES	GENERAL PLAN 3 OF 4
BOOK A4	63	ST-V0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO		COMPLEX STRUCTURES	LMF LEAD TRACK PERGOLA	GENERAL PLAN
ROADWAY							
BOOK A4	64	CV-T0101	ALTERNATIVE A		GRADE SEPARATED ROADWAY	PLAN, PROFILE AND TYPICAL SECTIONS	TUNNEL AVENUE
LIGHT MAINTENANCE FACILITY							
BOOK A4	65	MY-C0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO		BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	66	MY-C0102	SAN FRANCISCO TO SOUTH SAN FRANCISCO		BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	67	MY-C0103	SAN FRANCISCO TO SOUTH SAN FRANCISCO		BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	68	MY-C0104	SAN FRANCISCO TO SOUTH SAN FRANCISCO		BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	69	MY-C0105	SAN FRANCISCO TO SOUTH SAN FRANCISCO		BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	70	MY-C0106	SAN FRANCISCO TO SOUTH SAN FRANCISCO		BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	71	MY-C0107	SAN FRANCISCO TO SOUTH SAN FRANCISCO		BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	
BOOK A4	72	MY-C0108	SAN FRANCISCO TO SOUTH SAN FRANCISCO		BRISBANE LIGHT MAINTENANCE FACILITY EAST	COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS	

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
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	73	TT-B0001	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C103 TO C106	
BOOK A4	74	TT-B0002	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C107 TO C109	
BOOK A4	75	TT-B0003	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C110 TO C112	
BOOK A4	76	TT-B0004	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C113 TO C117	
BOOK A4	77	TT-B0005	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C118 TO C120	
BOOK A4	78	TT-B0006	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C121 TO C124	
BOOK A4	79	TT-B0007	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C125 TO C128	
BOOK A4	80	TT-B0008	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C129 TO C131	
BOOK A4	81	TT-B0009	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C132	
BOOK A4	82	TT-B0010	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C133 TO C137	
BOOK A4	83	TT-B0011	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C138 TO C141	
BOOK A4	84	TT-B0012	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C142 TO C145	
BOOK A4	85	TT-B0013	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C146 TO C149	
BOOK A4	86	TT-B0014	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C150 TO C153	
BOOK A4	87	TT-B0015	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C154 TO C156	
BOOK A4	88	TT-B0016	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C157 TO C160	
BOOK A4	89	TT-B0017	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C161 TO C163	
BOOK A4	90	TT-B0018	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C164 TO C167	
BOOK A4	91	TT-B0019	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C168 TO C171	
BOOK A4	92	TT-B0020	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C173 TO C175	
BOOK A4	93	TT-B0021	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C176 TO C179	
BOOK A4	94	TT-B0022	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C180 TO C183	
BOOK A4	95	TT-B0023	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C184 TO C187	
BOOK A4	96	TT-B0024	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C188	
BOOK A4	97	TT-B4001	ALTERNATIVE 4	N/A	MT3 TRACK ALIGNMENT DATA TABLE	CURVE NO. C401 TO C404	
BOOK A4	98	TT-B4002	ALTERNATIVE 4	N/A	MT3 TRACK ALIGNMENT DATA TABLE	CURVE NO. C405 TO C408	
BOOK A4	99	TT-B4003	ALTERNATIVE 4	N/A	MT3 TRACK ALIGNMENT DATA TABLE	CURVE NO. C409 TO C414	
BOOK A4	100	TT-B4004	ALTERNATIVE 4	N/A	MT3 TRACK ALIGNMENT DATA TABLE	CURVE NO. C415 TO C418	

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 9 OF 29**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
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		4TH & KING TO CALTRAIN BELMONT STATION	INDEX OF DRAWINGS	SHEET 1 OF 6	
BOOK B1	C	GE-D2101	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B1	D	GE-D2102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B1	E	GE-D2103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B1	F	GE-D2104	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B1	G	GE-D2105	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
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CALIFORNIA
High-Speed Rail Authority

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

ALTERNATIVE B
INDEX OF DRAWINGS
SHEET 1 OF 6

CONTRACT NO. HSR15-34
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SCALE NONE
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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		HARBOR BLVD TO SCOTT BLVD	INDEX OF DRAWINGS	SHEET 2 OF 6	
BOOK B2	C	GE-D2101	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B2	D	GE-D2102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B2	E	GE-D2103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B2	F	GE-D2104	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B2	G	GE-D2105	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
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SAN FRANCISCO TO SAN JOSE**

ALTERNATIVE B
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SHEET 2 OF 6

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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	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B3	D	GE-D2102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B3	E	GE-D2103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B3	F	GE-D2104	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B3	G	GE-D2105	ENTIRE ALTERNATIVE		KEY MAP	SYSTEM SITES	
STATIONS							
BOOK B3	27	AR-J0101	STATION		4TH AND KING	GENERAL SITE PLAN	
BOOK B3	28	AR-J0102	STATION		4TH AND KING	DETAILED SITE PLAN	
BOOK B3	29	AR-J0103	STATION		4TH AND KING	PLATFORM LEVEL PLAN	
BOOK B3	30	AR-J0104	STATION		4TH AND KING	SECTION	
BOOK B3	31	AR-J0105	STATION		4TH AND KING	MASSING DIAGRAM 1	
BOOK B3	32	AR-J0106	STATION		4TH AND KING	MASSING DIAGRAM 2	
BOOK B3	33	AR-J0107	STATION		4TH AND KING	FACILITY SIZING TABLE	1 OF 3
BOOK B3	34	AR-J0108	STATION		4TH AND KING	FACILITY SIZING TABLE	2 OF 3
BOOK B3	35	AR-J0109	STATION		4TH AND KING	FACILITY SIZING TABLE	3 OF 3
BOOK B3	36	AR-J0111	STATION		MILLBRAE	GENERAL SITE PLAN	
BOOK B3	37	AR-J0112	STATION		MILLBRAE	DETAILED SITE PLAN	
BOOK B3	38	AR-J0113	STATION		MILLBRAE	CONCOURSE PLAN	
BOOK B3	39	AR-J0114	STATION		MILLBRAE	SECTION	
BOOK B3	40	AR-J0115	STATION		MILLBRAE	MASSING DIAGRAM 1	
BOOK B3	41	AR-J0116	STATION		MILLBRAE	MASSING DIAGRAM 2	
BOOK B3	42	AR-J0117	STATION		MILLBRAE	FACILITY SIZING TABLE	1 OF 3
BOOK B3	43	AR-J0118	STATION		MILLBRAE	FACILITY SIZING TABLE	2 OF 3
BOOK B3	44	AR-J0119	STATION		MILLBRAE	FACILITY SIZING TABLE	3 OF 3
STRUCTURES							
BOOK B3	45	ST-T0201	ALTERNATIVE B			OVERPASSES AND UNDERPASSES	SHEET 1 OF 4
BOOK B3	46	ST-T0202	ALTERNATIVE B			OVERPASSES AND UNDERPASSES	SHEET 2 OF 4
BOOK B3	47	ST-T0203	ALTERNATIVE B			OVERPASSES AND UNDERPASSES	SHEET 3 OF 4
BOOK B3	48	ST-T0204	ALTERNATIVE B			OVERPASSES AND UNDERPASSES	SHEET 4 OF 4
BOOK B3	49	ST-V0201	ALTERNATIVE B		COMPLEX STRUCTURES	LMF LEAD TRACK PERGOLA	GENERAL PLAN
ROADWAY							
BOOK B3	50	CV-T0201	ALTERNATIVE B		GRADE SEPARATED ROADWAY	PLAN, PROFILE AND TYPICAL SECTIONS	TUNNEL AVENUE

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CALIFORNIA HIGH-SPEED TRAIN PROJECT

SAN FRANCISCO TO SAN JOSE

ALTERNATIVE B
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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	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B4	D	GE-D2102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B4	E	GE-D2103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B4	F	GE-D2104	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B4	G	GE-D2105	ENTIRE ALTERNATIVE		KEY MAP	SYSTEM SITES	

LIGHT MAINTENANCE FACILITY

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

TRACK GUIDEWAY HORIZONTAL ALIGNMENT DATA TABLE

BOOK B4	58	TT-B0001	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C103 TO C106	
BOOK B4	59	TT-B0002	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C107 TO C109	
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BOOK B4	61	TT-B0051	ALTERNATIVE B		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C201 TO C204	
BOOK B4	62	TT-B0052	ALTERNATIVE B		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C205 TO C207	
BOOK B4	63	TT-B0005	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C118 TO C120	
BOOK B4	64	TT-B0006	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C121 TO C124	
BOOK B4	65	TT-B0007	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C125 TO C128	
BOOK B4	66	TT-B0008	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C129 TO C131	
BOOK B4	67	TT-B0009	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C132	
BOOK B4	68	TT-B0010	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C133 TO C137	
BOOK B4	69	TT-B0052	ALTERNATIVE B		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C205 TO C207	
BOOK B4	70	TT-B0053	ALTERNATIVE B		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C208 TO C211	
BOOK B4	71	TT-B0054	ALTERNATIVE B		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C212 TO C215	
BOOK B4	72	TT-B0055	ALTERNATIVE B		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C216 TO C218	
BOOK B4	73	TT-B0015	ALTERNATIVE A		B2 TRACK ALIGNMENT DATA TABLE	CURVE NO. C154 TO C156	
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SHEET 13 OF 29**

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APRIL 11, 2019

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CALIFORNIA
High-Speed Rail Authority

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
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			INDEX OF DRAWINGS	SHEET 5 OF 6	
BOOK B5	C	GE-D2101	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B5	D	GE-D2102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B5	E	GE-D2103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B5	F	GE-D2104	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B5	G	GE-D2105	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-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
STATIONS							
BOOK B5	88	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	89	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	90	AR-F0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CONCOURSE PLAN
BOOK B5	91	AR-Y0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CROSS SECTION
BOOK B5	92	AR-Y0102	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM
BOOK B5	93	AR-Y0103	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM
BOOK B5	94	AR-Y0104	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B5	95	AR-Y0105	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B5	96	AR-Y0106	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B5	97	AR-Y0107	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
STRUCTURES							
BOOK B5	98	ST-V0151	SAN JOSE DIRIDON STATION APPROACH	W TAYLOR ST	VIADUCT TO I-880	COMPLEX STRUCTURES	GENERAL PLAN 1 OF 2
BOOK B5	99	ST-V0152	SAN JOSE DIRIDON STATION APPROACH	W SANTA CLARA ST	VIADUCT TO I-880	COMPLEX STRUCTURES	GENERAL PLAN 2 OF 2
BOOK B	100	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	101	ST-V0301	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 1 OF 3
BOOK B5	102	ST-V0302	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 2 OF 3
BOOK B5	103	ST-V0303	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TYPICAL SECTIONS	SHEET 3 OF 3
BOOK B5	104	ST-T0301	SAN JOSE DIRIDON STATION APPROACH	I-880, SR 85	VIADUCT TO I-880	CALTRANS STRUCTURES	GENERAL PLAN
ROADWAY							
BOOK B5	105	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	106	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	107	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	108	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	109	TT-B0103-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	TRACK ALIGNMENT DATA TABLE	CURVE NO. C193
BOOK B5	110	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	111	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 29**

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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			INDEX OF DRAWINGS	SHEET 6 OF 6	
BOOK B6	C	GE-D2101	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 1 OF 4
BOOK B6	D	GE-D2102	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 2 OF 4
BOOK B6	E	GE-D2103	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 3 OF 4
BOOK B6	F	GE-D2104	ENTIRE ALTERNATIVE		KEY MAP	COMPOSITE PLAN	SHEET 4 OF 4
BOOK B6	G	GE-D2105	ENTIRE ALTERNATIVE		KEY MAP	SYSTEM SITES	
COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS							
BOOK B6	112	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	113	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	114	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	115	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	116	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
STATIONS							
BOOK B6	117	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	118	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	119	AR-F0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CONCOURSE PLAN
BOOK B6	120	AR-Y0101	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	CROSS SECTION
BOOK B6	121	AR-Y0102	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM
BOOK B6	122	AR-Y0103	SAN JOSE DIRIDON STATION APPROACH	SANTA CLARA ST, PARK AVE	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	MASSING DIAGRAM
BOOK B6	123	AR-Y0104	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B6	124	AR-Y0105	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B6	125	AR-Y0106	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
BOOK B6	126	AR-Y0107	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO I-880	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE
STRUCTURES							
BOOK B6	127	ST-V0251	SAN JOSE DIRIDON STATION APPROACH	LAFAYETTE ST	VIADUCT TO SCOTT BLVD	COMPLEX STRUCTURES	GENERAL PLAN 1 OF 5
BOOK B6	128	ST-V0252	SAN JOSE DIRIDON STATION APPROACH	DE LA CRUZ BLVD	VIADUCT TO SCOTT BLVD	COMPLEX STRUCTURES	GENERAL PLAN 2 OF 5
BOOK B6	129	ST-V0253	SAN JOSE DIRIDON STATION APPROACH	ENTON ST, I 880	VIADUCT TO SCOTT BLVD	COMPLEX STRUCTURES	GENERAL PLAN 3 OF 5
BOOK B6	130	ST-V0254	SAN JOSE DIRIDON STATION APPROACH	W TAYLOR ST	VIADUCT TO SCOTT BLVD	COMPLEX STRUCTURES	GENERAL PLAN 4 OF 5
BOOK B6	131	ST-V0255	SAN JOSE DIRIDON STATION APPROACH	W SANTA CLARA ST	VIADUCT TO SCOTT BLVD	COMPLEX STRUCTURES	GENERAL PLAN 5 OF 5
BOOK B6	132	ST-T0251	SAN JOSE DIRIDON STATION APPROACH	DE LA CRUZ BLVD	VIADUCT TO SCOTT BLVD	OVERPASSES AND UNDERPASSES	DE LA CRUZ BLVD
BOOK B6	133	ST-T0252	SAN JOSE DIRIDON STATION APPROACH	STOCKTON AVE, UPRR	VIADUCT TO SCOTT BLVD	OVERPASSES AND UNDERPASSES	WEST HEDDING STREET
ROADWAY							
BOOK B6	134	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	135	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	136	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	137	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	138	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	139	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	140	TT-B0103-JM	SAN JOSE DIRIDON STATION APPROACH	N/A	VIADUCT TO SCOTT BLVD	TRACK ALIGNMENT DATA TABLE	CURVE NO. C193
BOOK B6	141	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	142	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 29**

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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.	

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)
 - ATHERTON CALTRAIN STATION

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
- 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 16 OF 29**

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

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HNTB 1111 Broadway
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Oakland, CA 94607



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

GENERAL
GENERAL NOTES

CONTRACT NO. HSR15-34
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SHEET NO.

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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
 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
 CAP CORRUGATED ALUMINUM PIPE
 CAPA CORRUGATED ALUMINUM PIPE ARCH

C CONTINUED

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
 C CENTERLINE

D

D DEPTH
 DD DOWNDRAIN
 DBL DOUBLE
 DEG DEGREE
 DEL DELINEATOR
 DET DETAIL, DETOUR

D CONTINUED

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), EXISTING
 Exist
 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
 FEBT FACING EASTBOUND TRAFFIC
 FES FLARED END SECTION
 FF FILTER FABRIC
 FG FINISHED GRADE

F CONTINUED

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
 GA 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
 HS HIGH STRENGTH
 HST HIGH SPEED TRAIN
 HSR HIGH SPEED RAIL
 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

J CONTINUED

JT JOINT
 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
 NTS NOT TO SCALE

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
 GENERAL INFORMATION BOOK
 SHEET 17 OF 29**

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High-Speed Rail Authority

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 SAN FRANCISCO TO SAN JOSE**

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 SHEET 1 OF 2

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O		P CONTINUED		S CONTINUED		T CONTINUED	
OBLR	OBLITERATE	PVC	POLYVINYL CHLORIDE,	SG	SUBGRADE	TYP	TANGENT SPIRAL POINT TYPICAL
OC	OVERCROSSING		POINT OF VERTICAL CURVE	SHLD	SHOULDER		
OCS	OVERHEAD CONTACT SYSTEM	PVI	POINT OF VERTICAL INTERSECTION	SHT	SHEET		U
OD	OUTSIDE DIAMETER	PVMT	PAVEMENT	SIM	SIMILAR	UC	UNDERCROSSING
OF	OUTSIDE FACE	PVT	POINT OF VERTICAL TANGENT	S	STATION LINE	UD	UNDERDRAIN
OG	ORIGINAL GROUND		Q	SM	SELECTED MATERIAL	UON	UNLESS OTHERWISE NOTED
OGAC	OPEN GRADED ASPHALT CONCRETE			SPEC	SPECIAL, SPECIFICATIONS	UP	UNDERPASS
OH	OVERHEAD	QTY	QUANTITY		SLOTTED PLASTIC PIPE	UPRR	UNION PACIFIC RAIL ROAD
O-O	OUT TO OUT		R	SPP	SLOPE STAKE		
OPP	OPPOSITE			SR	STATE ROUTE		V
	P	R	RADIUS	SS	STRAP AND SADDLE BRACKET METHOD	V	VALVE, DESIGN SPEED
P	PAGE	R & D	REMOVE AND DISPOSE	SSBM	STRUCTURAL SECTION DRAIN	VAR	VARIABLE
PAP	PERFORATED ALUMINUM PIPE	R & S	REMOVE AND SALVAGE	SSD	STRUCTURAL STEEL PLATE ARCH	VC	VERTICAL CURVE
PB	PULL BOX	R/C	RATE OF CHANGE	SSPA	STRUCTURAL STEEL PLATE PIPE	VCP	VITRIFIED CLAY PIPE
PC	POINT OF CURVATURE, PRECAST	RCA	REINFORCED CONCRETE ARCH	SSPP	STRUCTURAL STEEL PLATE PIPE ARCH	VERT	VERTICAL
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE	RCB	REINFORCED CONCRETE BOX	SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH	VIA	VIADUCT
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE	RCP	REINFORCED CONCRETE PIPE	SSRP	STEEL SPIRAL RIB PIPE	VOL	VOLUME
PCVC	POINT OF COMPOUND VERTICAL CURVE	RCPA	REINFORCED CONCRETE PIPE ARCH	ST	STREET, SPIRAL TANGENT POINT		W
PED	PEDESTRIAN	RD	ROAD	STA	STATION		
PED OC	PEDESTRIAN OVERCROSSING	REINF	REINFORCED, REINFORCEMENT, REINFORCING	STBB	SINGLE THRIE BEAM BARRIER	W	WEST, WIDTH
PED UC	PEDESTRIAN UNDERCROSSING	REL	RELOCATE	STD	STANDARD	WB	WESTBOUND
PERM MTL	PERMEABLE MATERIAL	REPL	REPLACEMENT	STR	STRUCTURE	WH	WEEP HOLE
PG	PROFILE GRADE	RET	RETAINING	SURF	SURFACING	WM	WIRE MESH
PG&E	PACIFIC GAS AND ELECTRIC	REV	REVISED	SW	SIDEWALK, SOUND WALL	WS	WATER SURFACE
PI	POINT OF INTERSECTION	RDWY	ROADWAY	SWR	SEWER	WSP	WELDED STEEL PIPE
PITO	POINT OF INTERSECTION TURNOUT	RM	ROAD-MIXED	SYM	SYMMETRICAL	WT	WEIGHT
PJP	PARTIAL JOINT PENETRATION	RP	RADIUS POINT, REFERENCE POINT	S4S	SURFACE 4 SIDES	WV	WATER VALVE
PL, PL	PLATE	RR	RAILROAD		T	WW	WINGWALL
P/L	PROPERTY LINE	RSP	ROCK SLOPE PROTECTION	T	SEMI-TANGENT	WWLOL	WINGWALL LAYOUT LINE
PM	POST MILE, TIME FROM NOON TO MIDNIGHT	RT	RIGHT	TAB	TABLET		X
PN	PAVING NOTCH	RT-RADIO	RADIO TOWER	TAN	TANGENT	X SEC	CROSS SECTION CROSSING
POB	POINT OF BEGINNING	RTE	ROUTE	TBB	THRIE BEAM BARRIER		
POC	POINT OF HORIZONTAL CURVE	RW	REDWOOD, RETAINING WALL	TBD	TO BE DETERMINED		Y
POE	POINT OF END	R/W, ROW	RIGHT OF WAY	TBR	TIMBER		
POT	POINT OF TANGENT	RWY	RAILWAY	TC	TOP OF CURB	YR	YEAR
POVC	POINT OF VERTICAL CURVE		S	TCB	TRAFFIC CONTROL BOX	YRS	YEARS
PP	PIPE PILE, PLASTIC PIPE, POWER POLE	S	SOUTH, SUPPLEMENT	TCE	TEMPORARY CONSTRUCTION EASEMENT		
PPL	PREFORMED PERMEABLE LINER	SAE	STRUCTURE APPROACH EMBANKMENT	TEL	TELEPHONE		
PPP	PERFORATED PLASTIC PIPE	SALV	SALVAGE	TEMP	TEMPORARY		
PRC	POINT OF REVERSE CURVE	SAPP	STRUCTURAL ALUMINUM PLATE PIPE	TG	TOP OF GRADE		
PRF	PAVEMENT REINFORCING FABRIC	SA-RT	STAND ALONE RADIO TOWER	TOT	TOTAL		
PRVC	POINT OF REVERSE VERTICAL CURVE	SB	SOUTHBOUND	TP	TELEPHONE POLE		
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES	SC	SAND CUSHION, SLOTTED CORRUGATED STEEL PIPE, SPIRAL CURVE POINT	TPB	TREATED PERMEABLE BASE		
PS, P/S	POINT OF SWITCH, PRESTRESSED	SD	STORM DRAIN	TPF	TRACTION POWER FACILITY		
PSP	PERFORATED STEEL PIPE	SEC	SECOND, SECTION	TPM	TREATED PERMEABLE MATERIAL		
PT	POINT OF TANGENCY	SEP	SEPARATION	TPSS	TRACTION POWER SUBSTATION		
				T/R	TOP OF RAIL		
				TRANS	TRANSITION		
				TS	TRANSVERSE		
					TRAFFIC SIGNAL, TUBULAR STEEL,		

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
 GENERAL INFORMATION BOOK
 SHEET 18 OF 29**

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CALIFORNIA

High-Speed Rail Authority

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

 GENERAL
 ABBREVIATIONS
 SHEET 2 OF 2

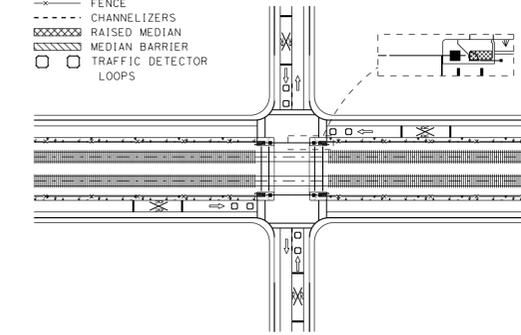
CONTRACT NO. HSR15-34
DRAWING NO. GE-C0102
SCALE NONE
SHEET NO.

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

- LEGEND**
 - - - - - FENCE
 - - - - - CHANNELIZERS
 [Hatched Box] RAISED MEDIAN
 [Hatched Box] MEDIAN BARRIER
 [Circle] TRAFFIC DETECTOR
 [Circle] LOOPS

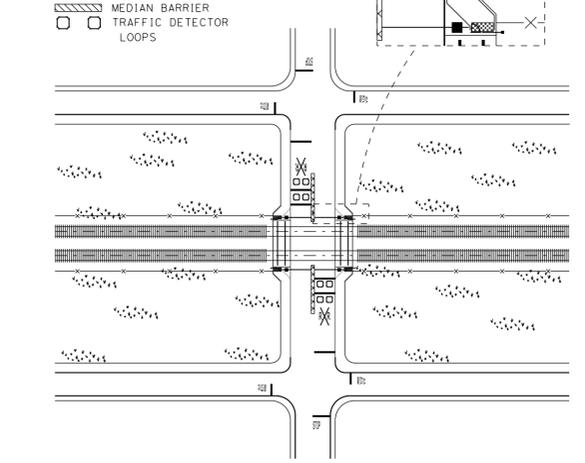


APPLICATION B

- 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)-(4) CROSSING LANES

- LEGEND**
 - - - - - FENCE
 - - - - - CHANNELIZERS
 [Hatched Box] RAISED MEDIAN
 [Hatched Box] MEDIAN BARRIER
 [Circle] TRAFFIC DETECTOR
 [Circle] LOOPS

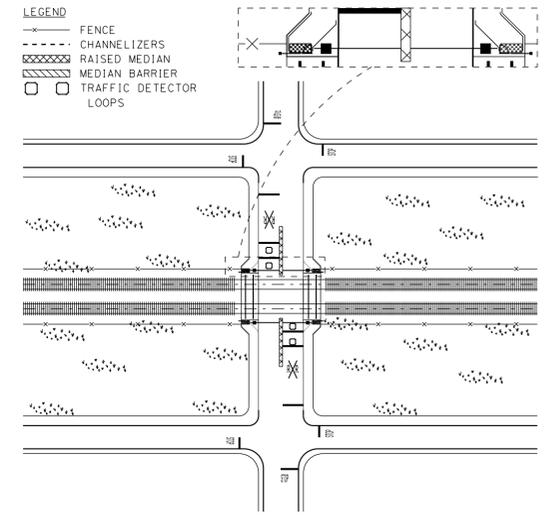


APPLICATION B1

- 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

- LEGEND**
 - - - - - FENCE
 - - - - - CHANNELIZERS
 [Hatched Box] RAISED MEDIAN
 [Hatched Box] MEDIAN BARRIER
 [Circle] TRAFFIC DETECTOR
 [Circle] LOOPS

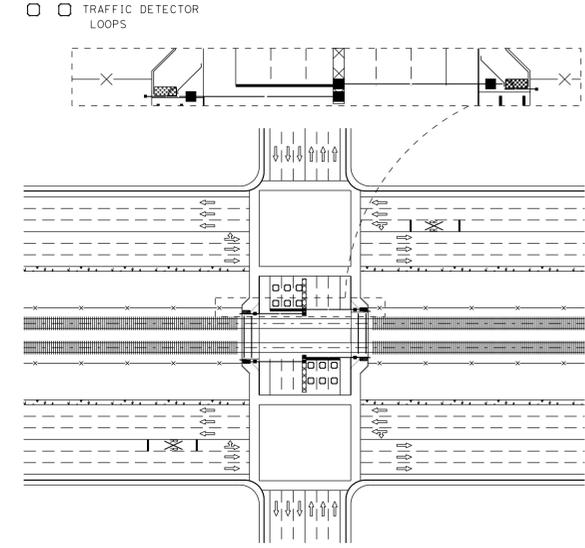


APPLICATION C

- 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

- LEGEND**
 - - - - - FENCE
 - - - - - CHANNELIZERS
 [Hatched Box] RAISED MEDIAN
 [Hatched Box] MEDIAN BARRIER
 [Circle] TRAFFIC DETECTOR
 [Circle] LOOPS

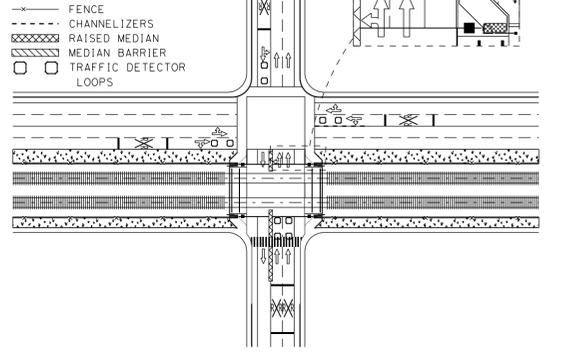


APPLICATION D

- 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

- LEGEND**
 - - - - - FENCE
 - - - - - CHANNELIZERS
 [Hatched Box] RAISED MEDIAN
 [Hatched Box] MEDIAN BARRIER
 [Circle] TRAFFIC DETECTOR
 [Circle] LOOPS

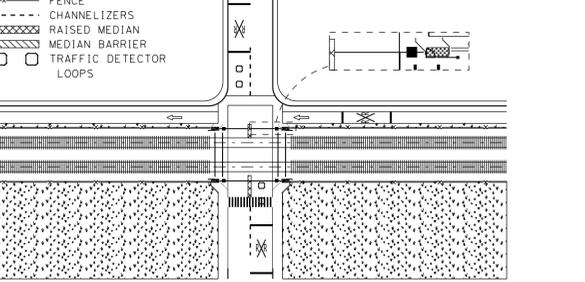


APPLICATION E

- 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

- LEGEND**
 - - - - - FENCE
 - - - - - CHANNELIZERS
 [Hatched Box] RAISED MEDIAN
 [Hatched Box] MEDIAN BARRIER
 [Circle] TRAFFIC DETECTOR
 [Circle] LOOPS



- 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	EXISTING CONDITIONS				PROXIMITY OF DRIVEWAY	PROXIMITY OF BUILDINGS	VEHICLE EXIT GATES	PEDESTRIAN GATES	IMPROVEMENTS			APPLICATION
		EB	WB	NB	SB					CHANNELIZERS	RAISED MEDIAN	MEDIAN BARRIER	
B133+00	Mission Bay Drive	2	3	-	-	65'	115'	2	0	7th St	-	-	A
B153+85	18th St	2	3	-	-	7h St - 35'	175'	4	0	-	-	-	A
B643+83	Linden Ave	2	1	-	-	Dollar Ave - 50'	166'	2	0	-	-	-	D
B662+33	Scott St	1	1	-	-	Dollar Ave - 30'	25'	106'	2	2	Dollar Ave	-	B1
B778+39	Center St	1	1	-	-	Oak St - 105'	25'	75'	2	0	-	-	B
B791+82	Santa Paula (Ped Xing)	-	-	-	-	California Dr - 65'	-	-	-	-	-	-	-
B905+43	Broadway (Burlingame)	-	-	3	3	Carolan Ave - 60'	0'	40'	2	0	Broadway north of HSR	-	C
B931+03	Morrell Ave (Ped Xing)	-	-	-	-	California Dr - 100'	-	-	-	-	-	-	-
B946+46	Oak Grove Ave (Burlingame)	-	-	2	2	California Dr - 65'	-	210'	2	0	-	-	B
B963+87	North Lane	1-2	1	-	-	California Dr - 115'	35'	60'	2	0	-	-	B
B967+32	South Lane (No Crossing)	-	-	-	-	Carolan Ave - 55'	20'	130'	2	0	-	-	B
B972+31	Howard Ave (Burlingame)	1	1	-	-	South St - 40'	-	-	-	-	-	-	-
B979+00	Bayswater Ave	1	1	-	-	California Dr - 205'	35'	100'	2	0	-	-	B
B985+78	Peninsula Ave	2	1	-	-	California Dr / San Mateo Dr - 200'	20'	100'	2	0	-	-	B
B999+08	Villa Terrace	-	-	1	1	Anita Rd - 105'	-	70'	2	0	-	-	B
B1005+87	Bellevue Ave	-	-	1	1	Woodside Wy - 175'	-	65'	2	0	-	-	B
B1044+00	1st Ave	-	-	1	1	Railroad Ave - 25'	-	75'	2	0	1st Ave	-	E
B1047+74	2nd Ave	-	-	1	1	Railroad Ave - 25'	-	75'	2	0	2nd Ave	-	E
B1051+43	3rd Ave	-	-	1	1	Railroad Ave - 25'	-	75'	2	0	3rd Ave	-	E
B1055+12	4th Ave	-	-	1	1	Railroad Ave - 25'	-	75'	2	0	4th Ave	-	A
B1058+08	5th Ave	-	-	1	1	Railroad Ave - 25'	-	75'	2	0	5th Ave	-	A
B1070+10	9th Ave	1	1	-	-	Railroad Ave - 35'	25'	120'	2	0	Railroad Ave	-	A
B1142+18	25th Ave	-	-	-	-	Part of E 25th Avenue Project	-	-	-	-	-	-	-
B1416+10	Whipple Ave	2	4	-	-	Stafford St - 40'	-	60'	4	0	-	-	C
B1438+59	Brewster Ave	2	2	-	-	El Camino Real - 120'	-	205'	2	0	Arguella St	-	D
B1447+35	Broadway (Redwood City)	-	-	2	2	Arguella St - 60'	-	125'	2	0	Arguella St	-	D
B1470+64	Maple St	-	-	1	1	Perry St - 90'	-	95'	2	0	-	-	E
B1474+64	Main St (Redwood City)	-	-	1	1	Arguella St - 40'	-	55'	2	0	Elm St	north side of Main St	E
B1483+15	Chestnut St	-	-	1	1	Perry St - 140'	-	105'	2	0	-	-	B
B1574+48	Far Oaks Lane (No Change)	-	-	1	1	Pennsylvania Ave - 35'	-	-	-	-	-	-	-
B1590+43	Watkins Ave	-	-	1	1	Elm St - 40'	-	125'	2	2	Lloyd Dr	-	B1
B1607+32	Encinal Ave	-	-	1	1	Lloyd Dr - 50'	-	20'	2	0	Watkins Ave	north side of Encinal Ave	B
B1618+52	Glenwood Ave	-	-	1	1	Dinkelspiel Station Ln - 45'	20'	115'	2	0	Garwood Way	Glenwood Ave	E
B1629+24	Oak Grove Ave (Menlo Park)	-	-	1	1	Garwood Wy - 40'	20'	75'	2	0	Alma St	-	A
B1639+67	Ravenswood Ave	-	-	2	2	Alma St - 50'	-	150'	2	0	Alma St	-	A
B1680+78	Alma Ave	1	1	-	-	Derry Ln - 35'	30'	-	2	0	-	-	B
B1746+74	Churchill Ave	-	-	2	1	Alma St - 45'	-	65'	2	0	Alma St	Churchill Ave	D
B1851+84	East Meadow Dr	-	-	2	2	Merrill St - 70'	30'	100'	2	0	East Meadow Dr	-	D
B1869+23	Charleston Ave	-	-	2	2	Alma St - 45'	30'	85'	2	0	Charleston Ave	-	D
B1944+06	Rengstorff Ave	-	-	4	2	Merrill St - 120'	-	-	-	-	-	-	C
B2007+25	Castro St	-	-	4	2	Central Expy - 50'	-	65'	4	0	-	-	C
B2113+83	Many Ave	-	-	3	4	Cristanto Ave - 50'	50'	95'	4	0	West Evelyn Ave	-	A
B2164+80	Sunnyvale Ave	-	-	2	2	Leland Ave - 95'	15'	120'	2	0	West Evelyn Ave	north side of Sunnyvale Ave	D
B2404+69	Stockton Ave	-	-	2	2	West Evelyn Ave - 25'	-	-	-	-	-	-	D

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
 GENERAL INFORMATION BOOK
 SHEET 19 OF 29**

RECORD PERM SUBMITTAL APRIL 11, 2019 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 GENERAL SCHEDULE OF QUAD GATES

CONTRACT NO. HSR15-34 DRAWING NO. GE-R0101 SCALE NONE SHEET NO.

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 20 OF 29**

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

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IN CHARGE
DATE

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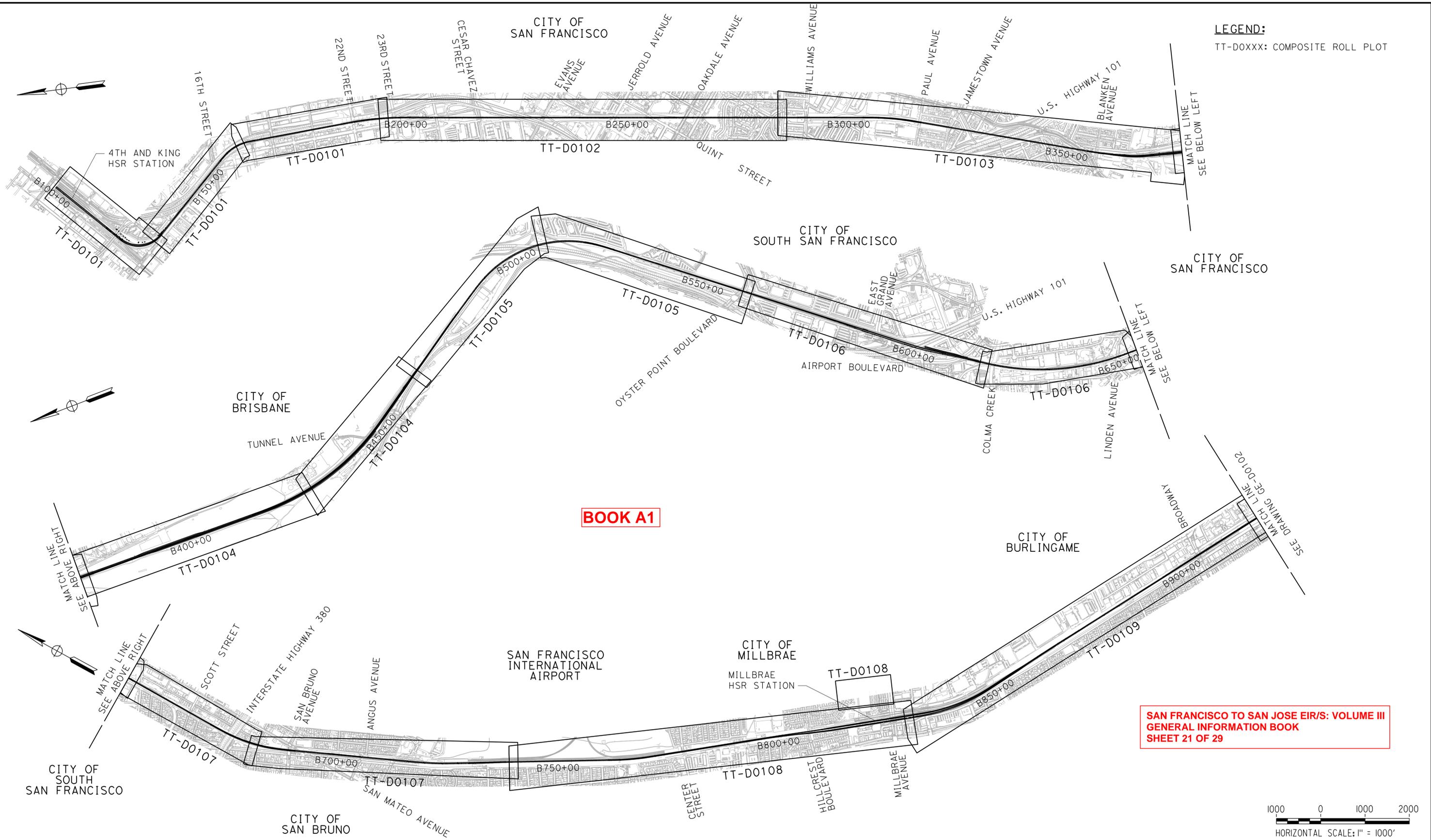


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE**

GENERAL

SCHEDULE OF TRACK SHIFTS, STATION EQUATIONS
AND THIRD PARTY PROJECT CONFORMS

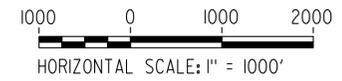
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DRAWING NO. GE-R0102
SCALE NONE
SHEET NO.



LEGEND:
 TT-D0XXXX: COMPOSITE ROLL PLOT

BOOK A1

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
 GENERAL INFORMATION BOOK
 SHEET 21 OF 29**



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

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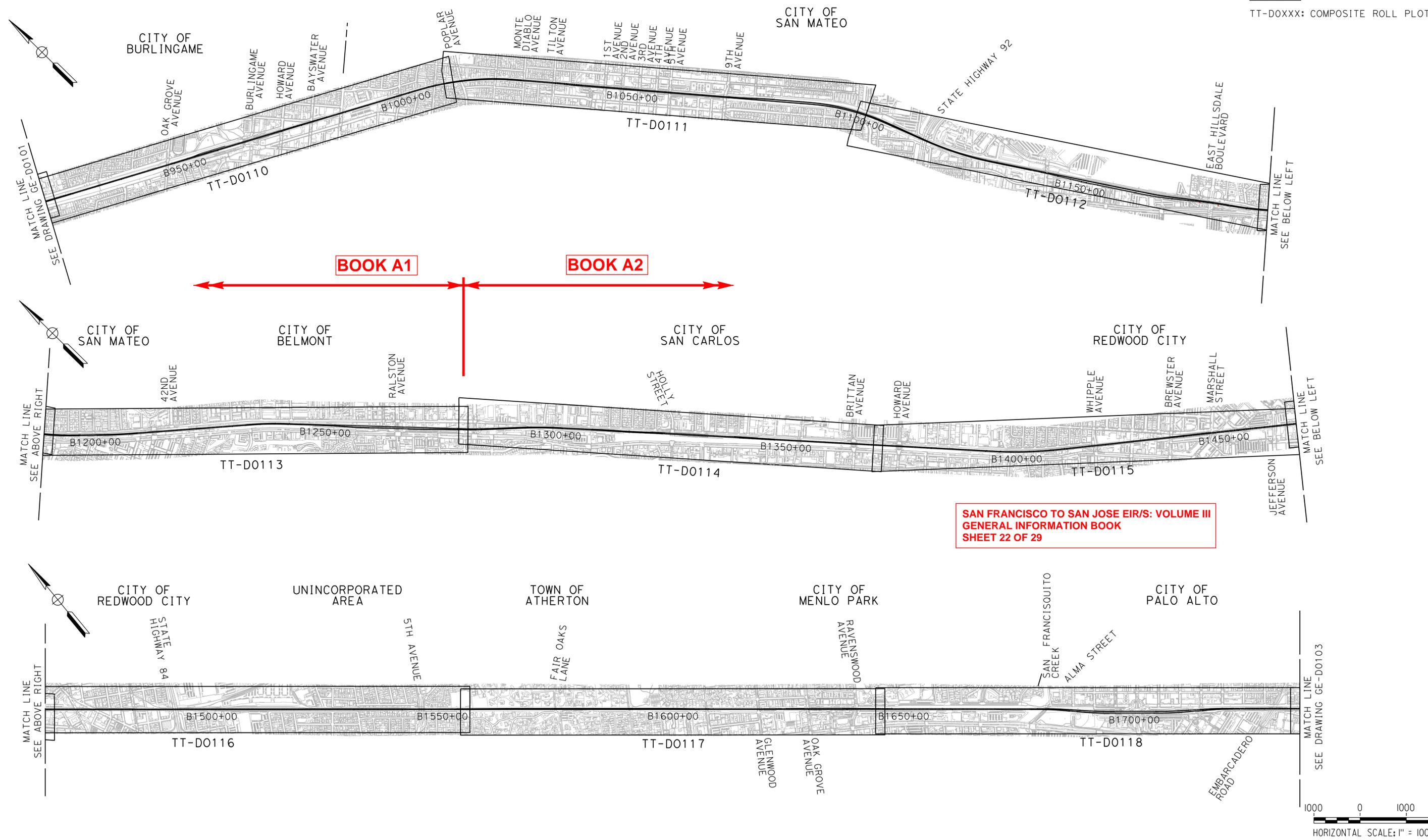


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
 SAN FRANCISCO TO SAN JOSE**

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-D0XXXX: COMPOSITE ROLL PLOT



**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 22 OF 29**

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

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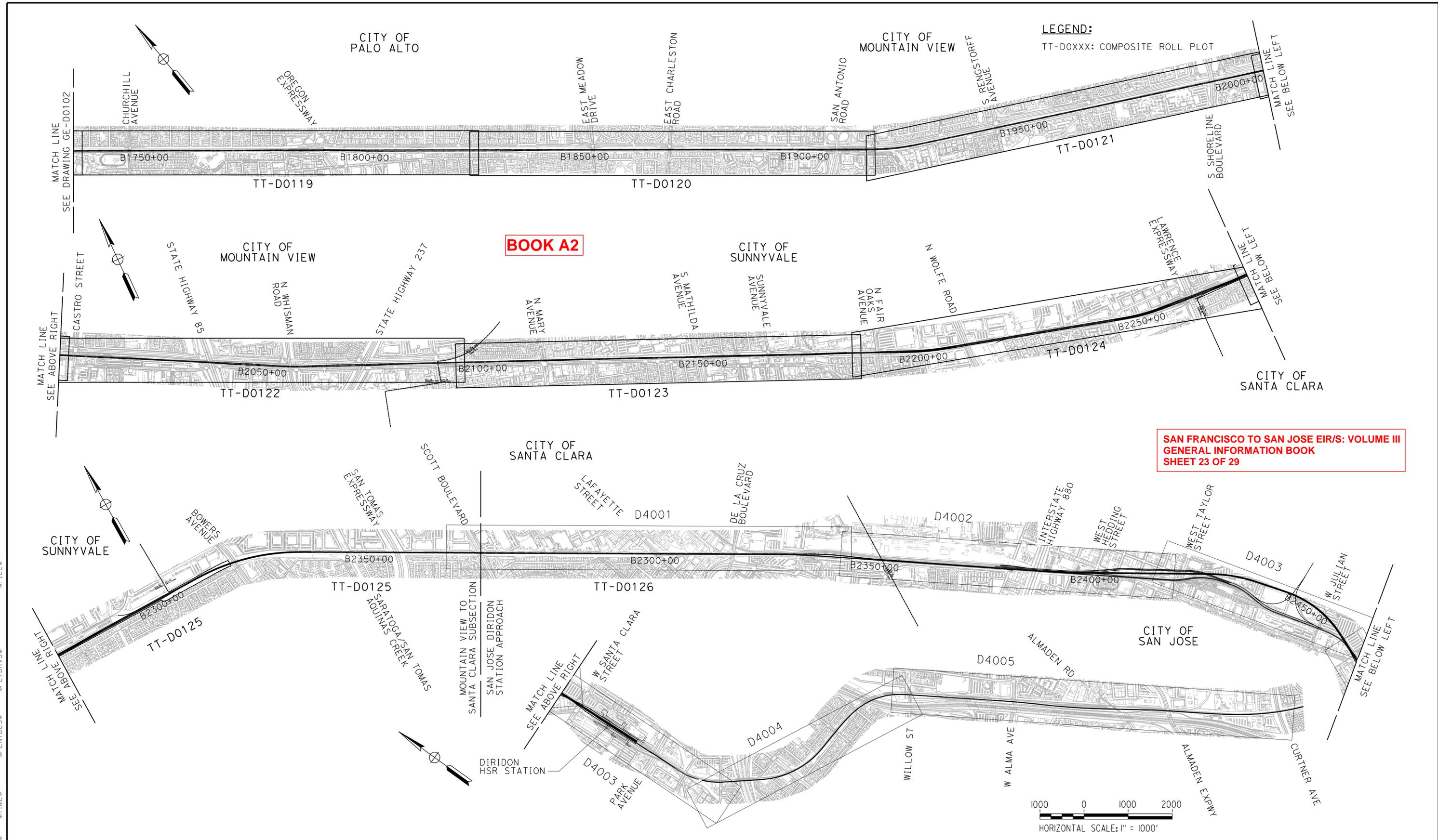
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CALIFORNIA
High-Speed Rail Authority

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

ALTERNATIVE A
KEY MAP
COMPOSITE PLAN
SHEET 2 OF 3

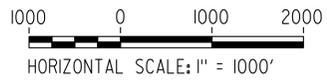
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DRAWING NO.	GE-D1102
SCALE	AS SHOWN
SHEET NO.	



LEGEND:
TT-DOXXX: COMPOSITE ROLL PLOT

BOOK A2

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 23 OF 29**



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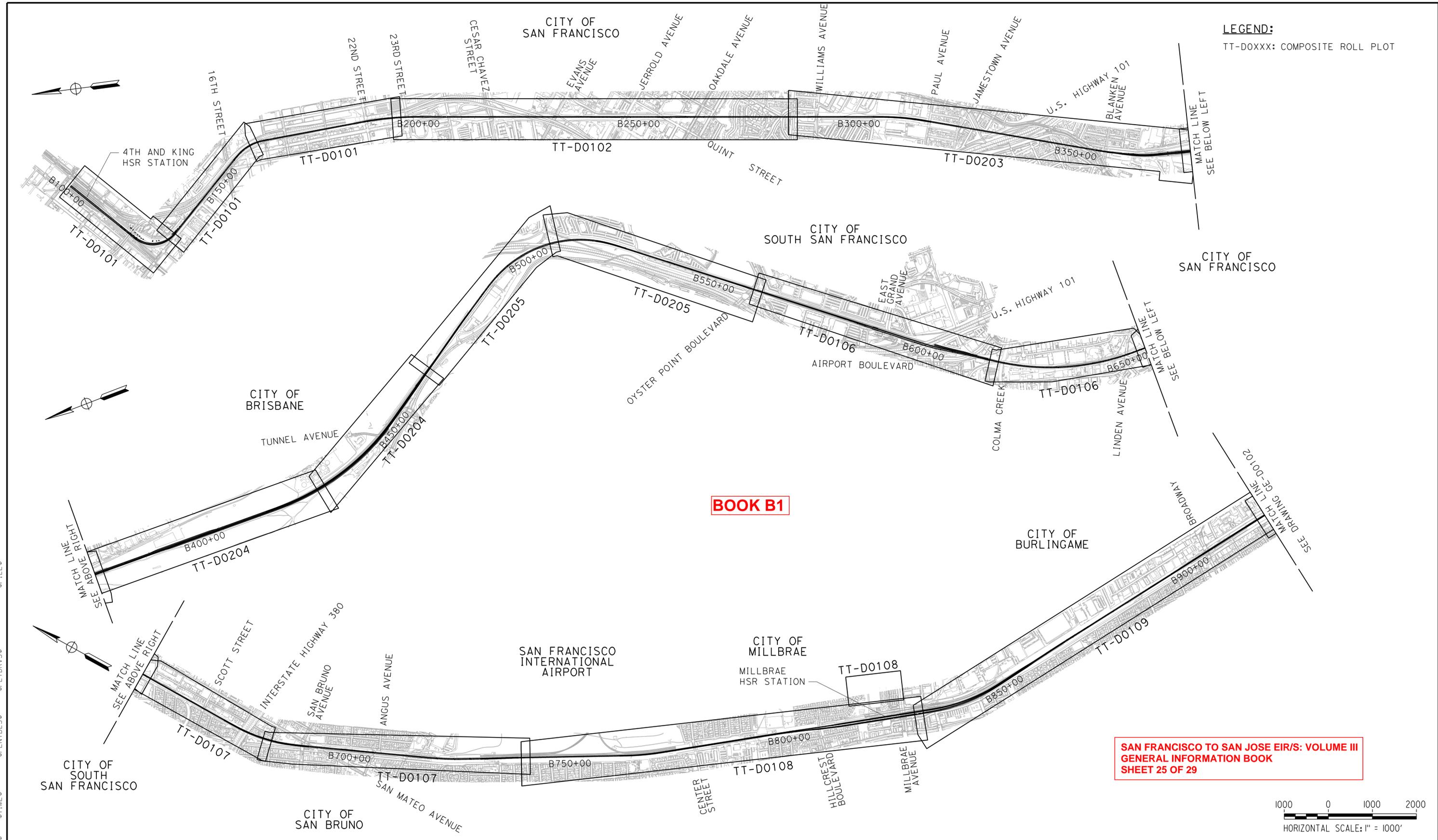
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE
ALTERNATIVE A
KEY MAP
COMPOSITE PLAN
SHEET 3 OF 3

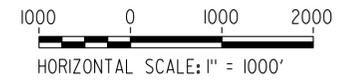
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DRAWING NO. GE-D1103
SCALE AS SHOWN
SHEET NO.



LEGEND:
TT-D0XXX: COMPOSITE ROLL PLOT

BOOK B1

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 25 OF 29**



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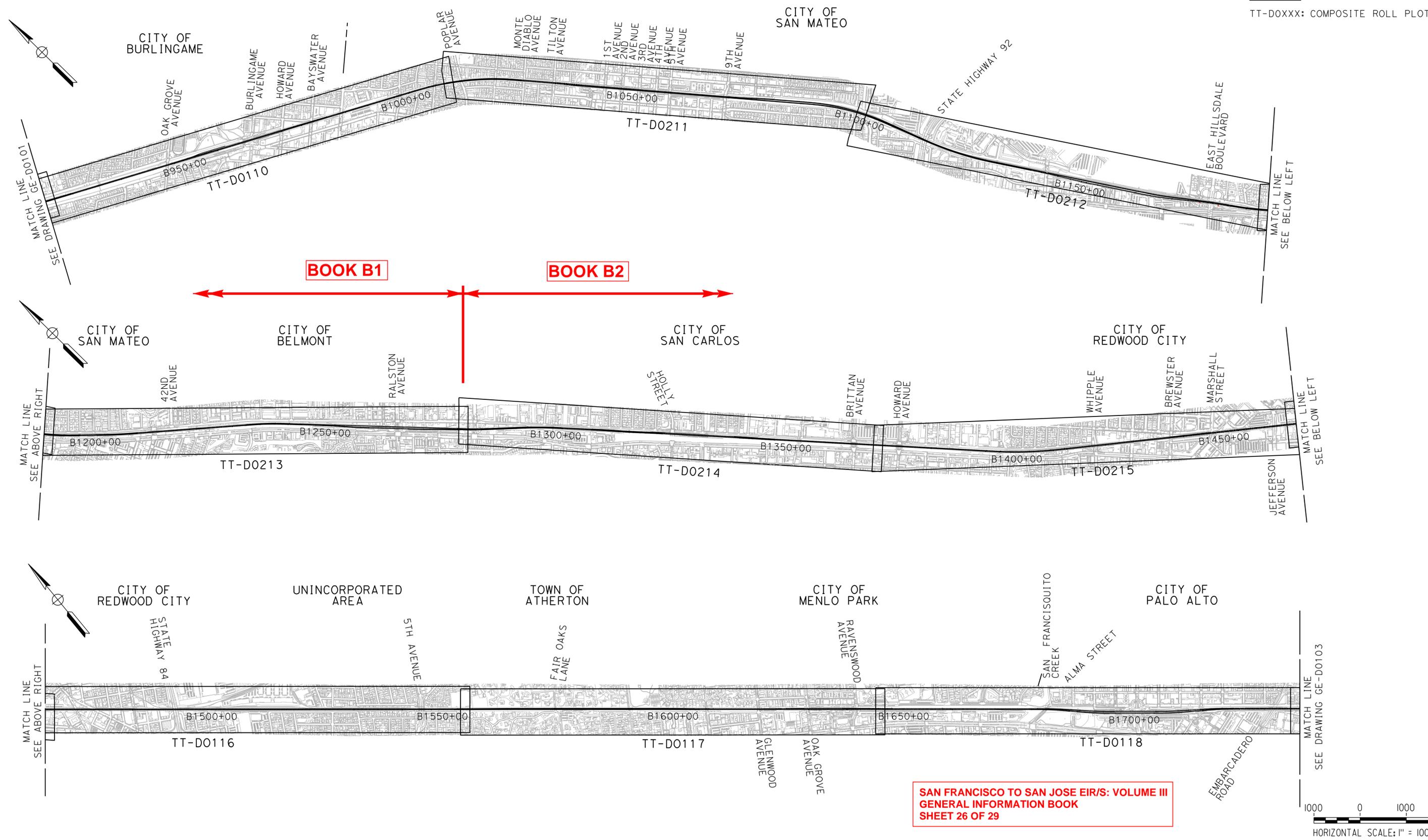


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE**

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

BOOK B2

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 26 OF 29**



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APRIL 11, 2019

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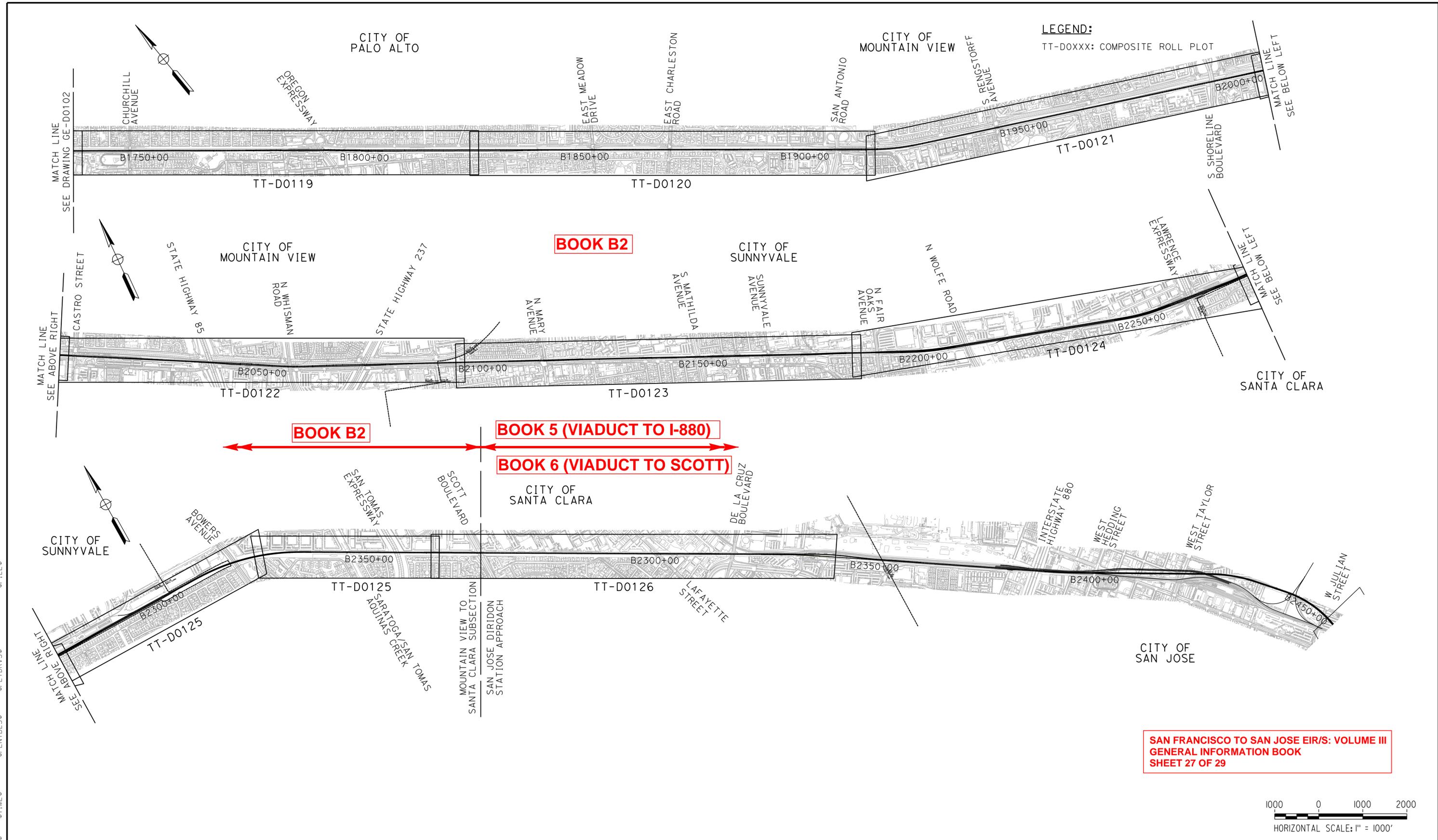
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CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE

ALTERNATIVE B
KEY MAP
COMPOSITE PLAN
SHEET 2 OF 4

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



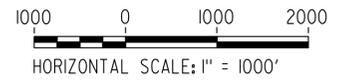
LEGEND:
TT-DOXXX: COMPOSITE ROLL PLOT

BOOK B2

BOOK 5 (VIADUCT TO I-880)

BOOK 6 (VIADUCT TO SCOTT)

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 27 OF 29**



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CALIFORNIA
High-Speed Rail Authority

**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.	

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LEGEND:
TT-DOXXX: COMPOSITE ROLL PLOT

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

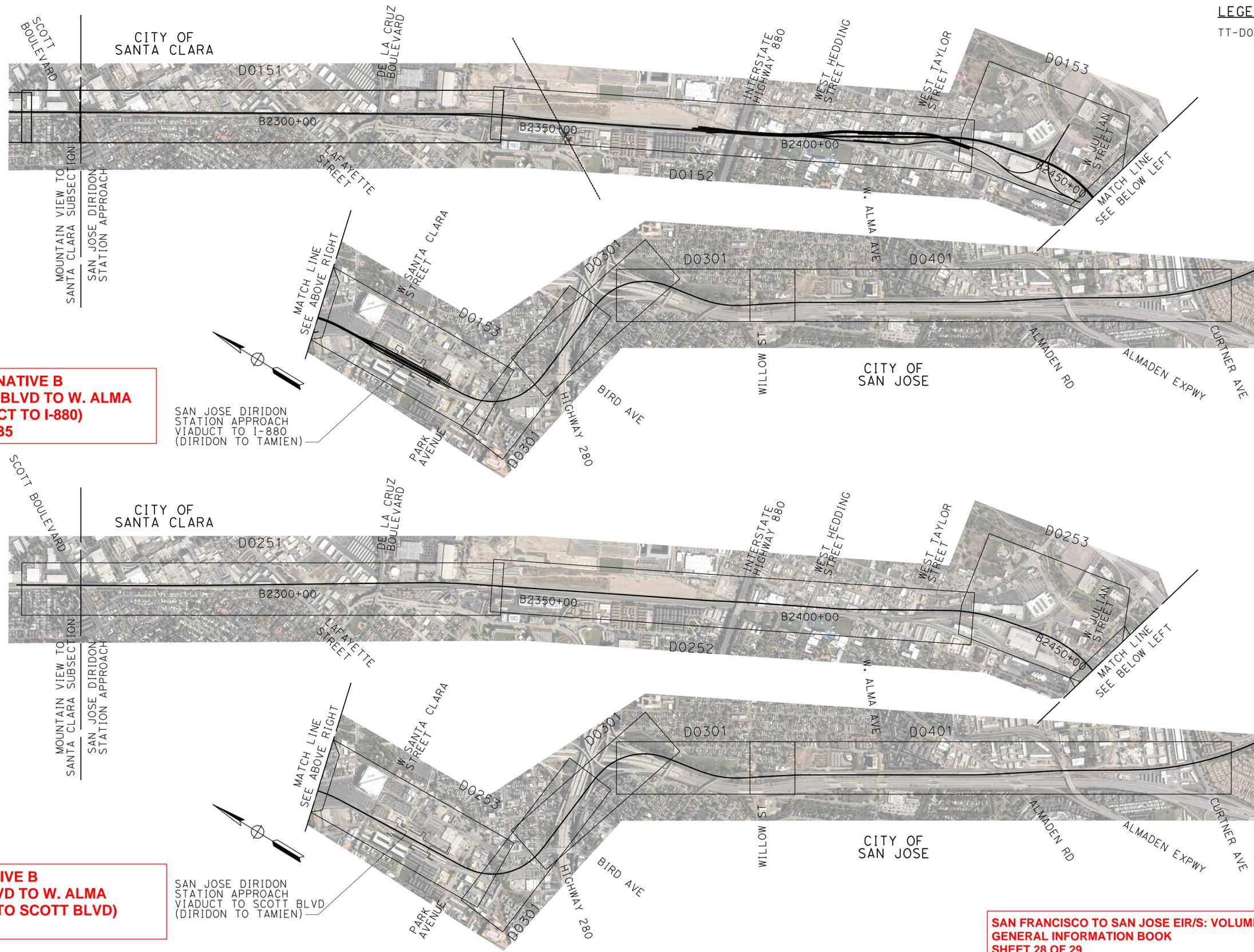
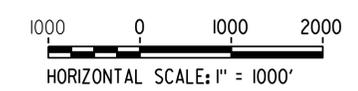
SAN JOSE DIRIDON
STATION APPROACH
VIADUCT TO I-880
(DIRIDON TO TAMIEN)



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

SAN JOSE DIRIDON
STATION APPROACH
VIADUCT TO SCOTT BLVD
(DIRIDON TO TAMIEN)

**SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
GENERAL INFORMATION BOOK
SHEET 28 OF 29**



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CALIFORNIA
High-Speed Rail Authority

**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.	

