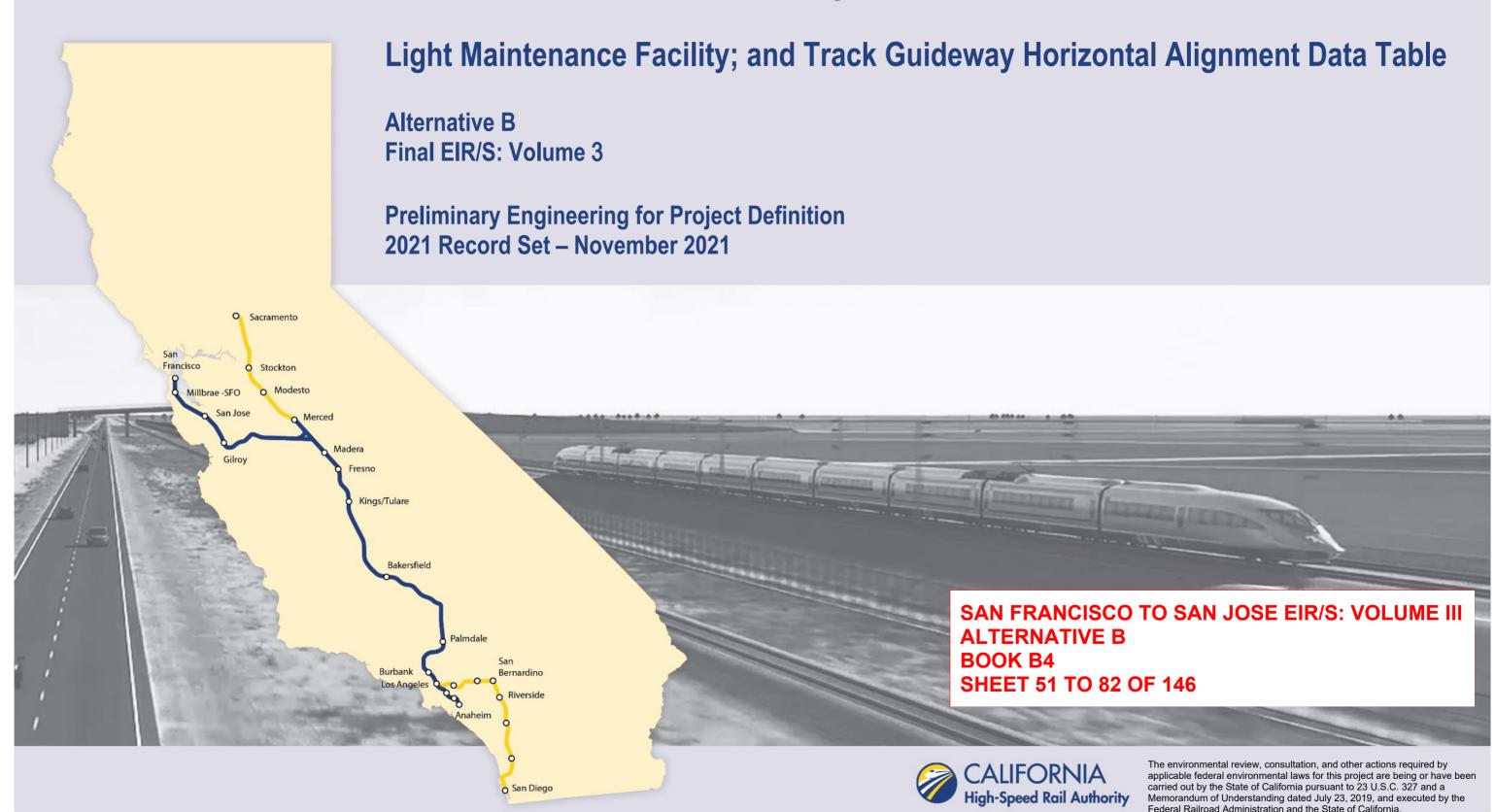
California High-Speed Rail Authority

San Francisco to San Jose Project Section



REV	DATE	ВΥ	СНК	APP	DESCRIPTION	DATE	
						DATE	
						IN CHARGE	
						CHECKED BY	
						DRAWN BY	
						DESIGNED BY	

2021 RECORD Set Pepd

NOT FOR

CONSTRUCTION

NOVEMBER 30, 2021





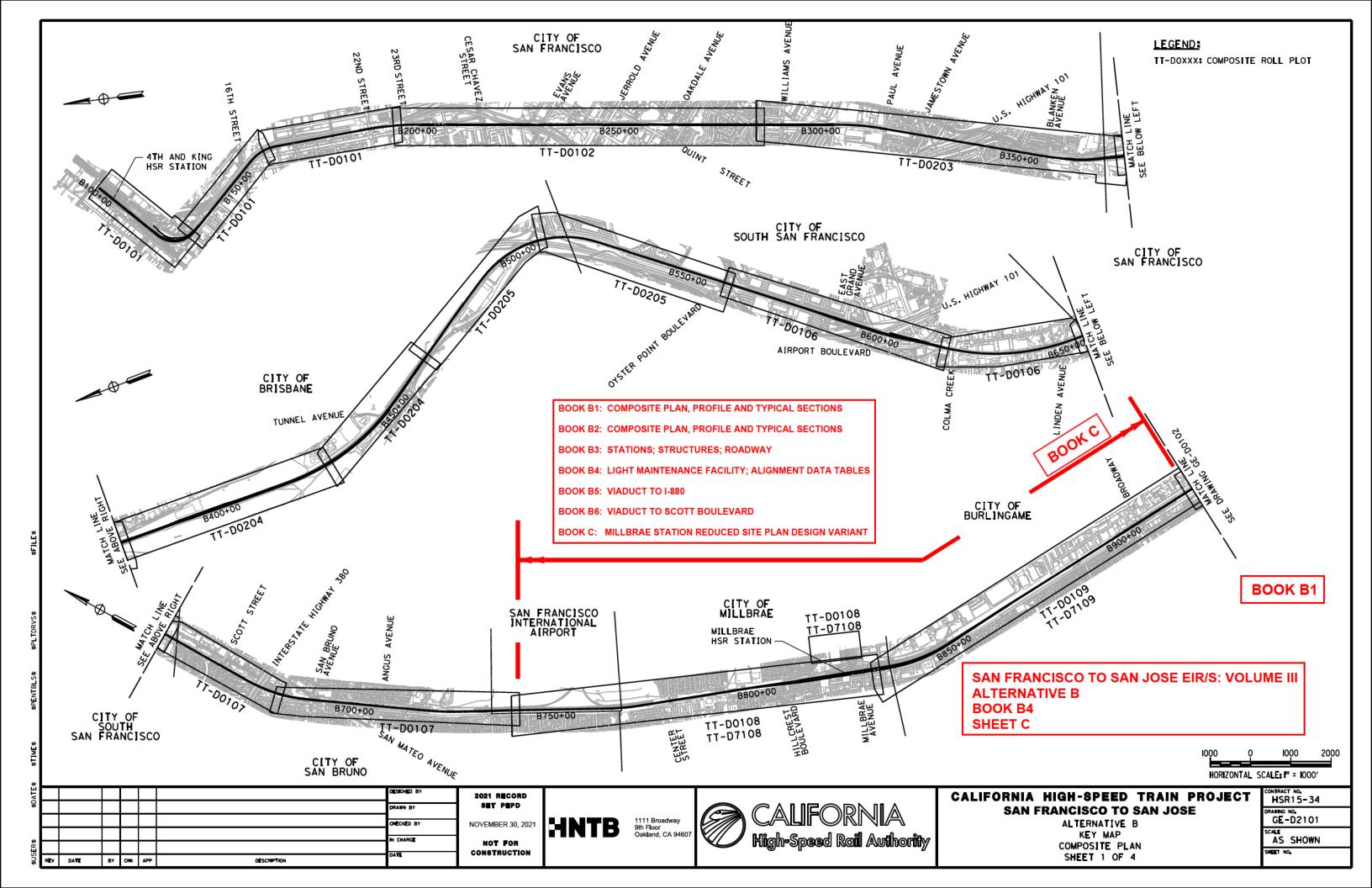
SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET B

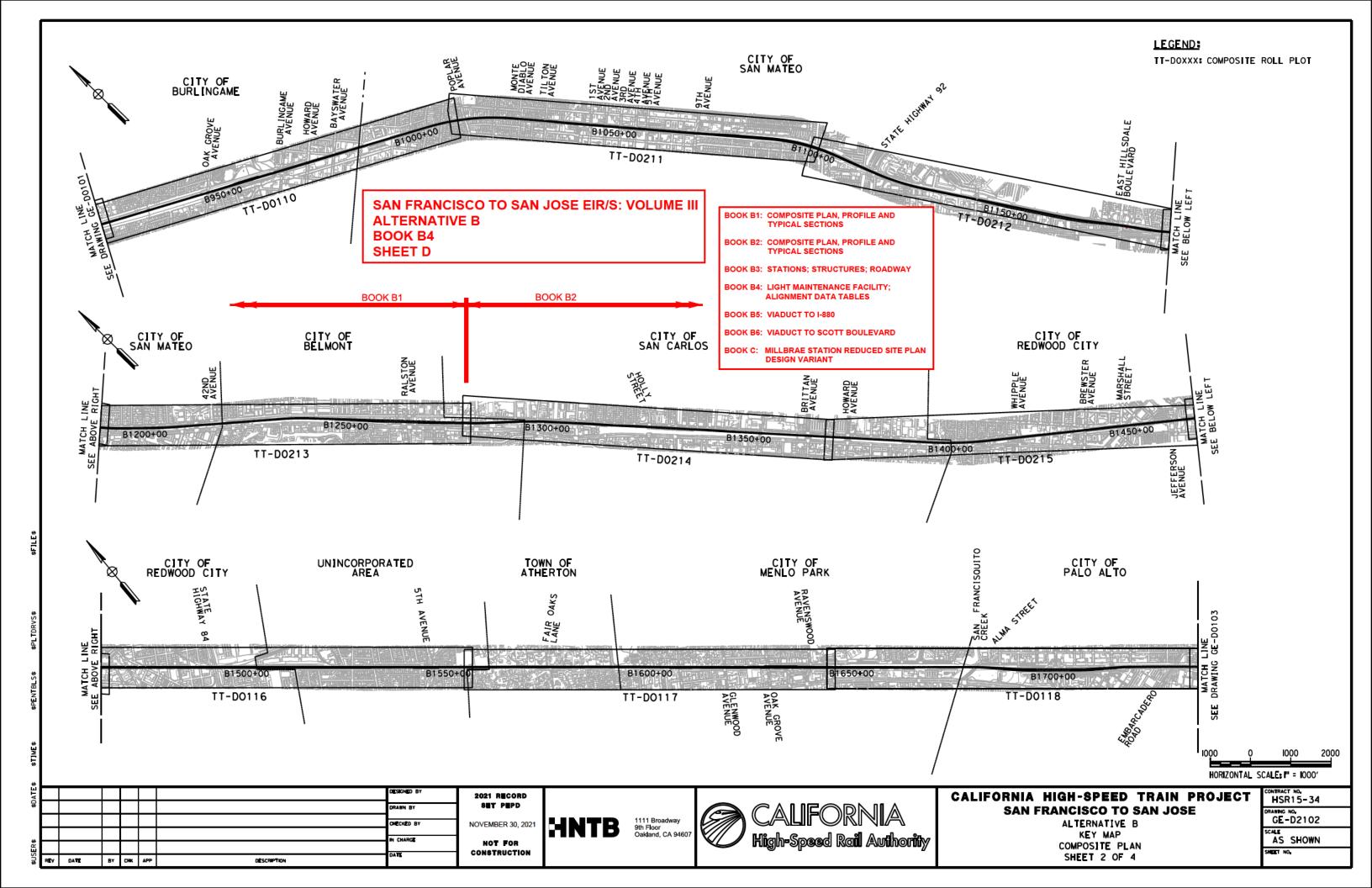
CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

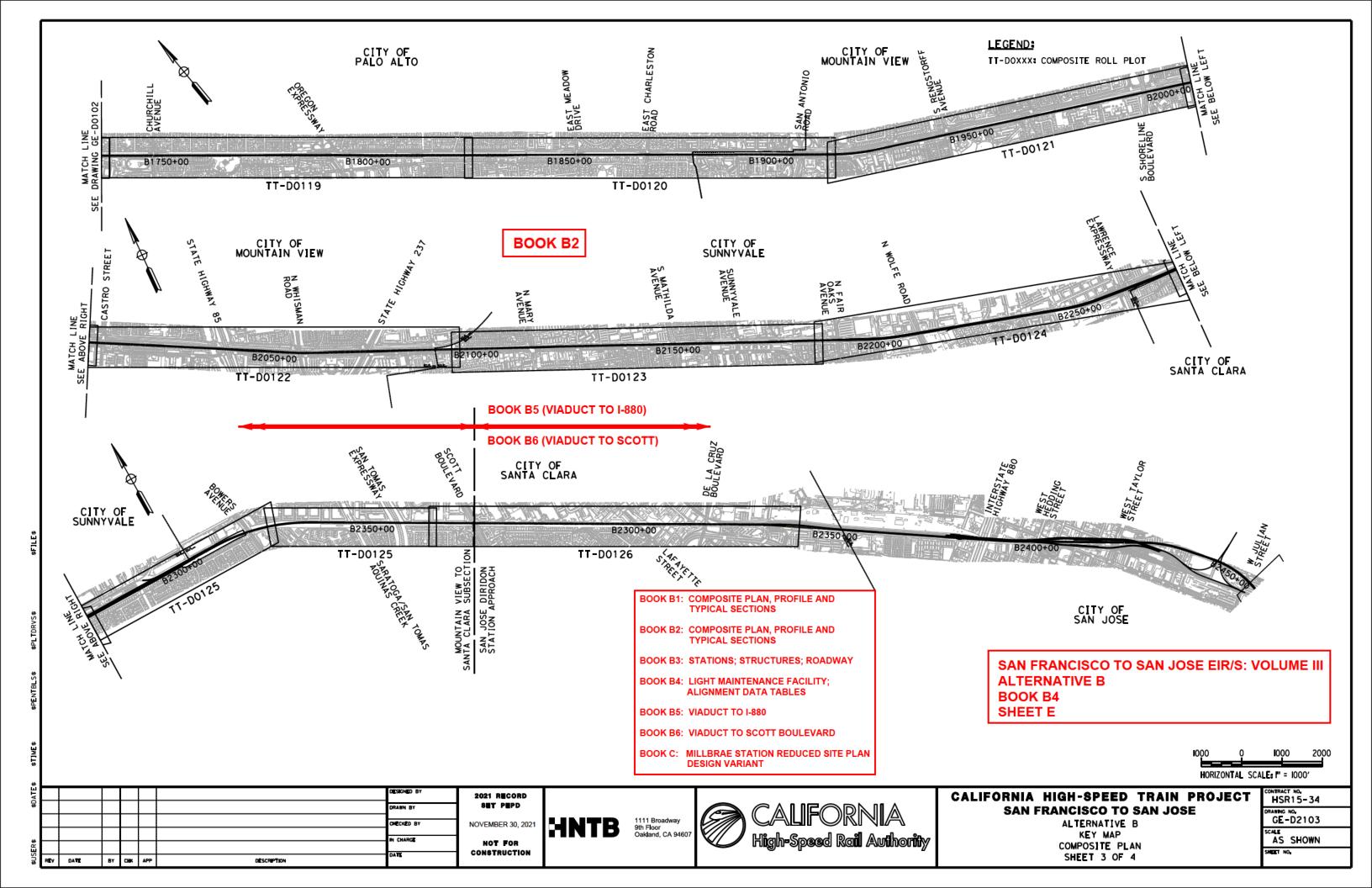
ALTERNATIVE B INDEX OF DRAWINGS SHEET 4 OF 6

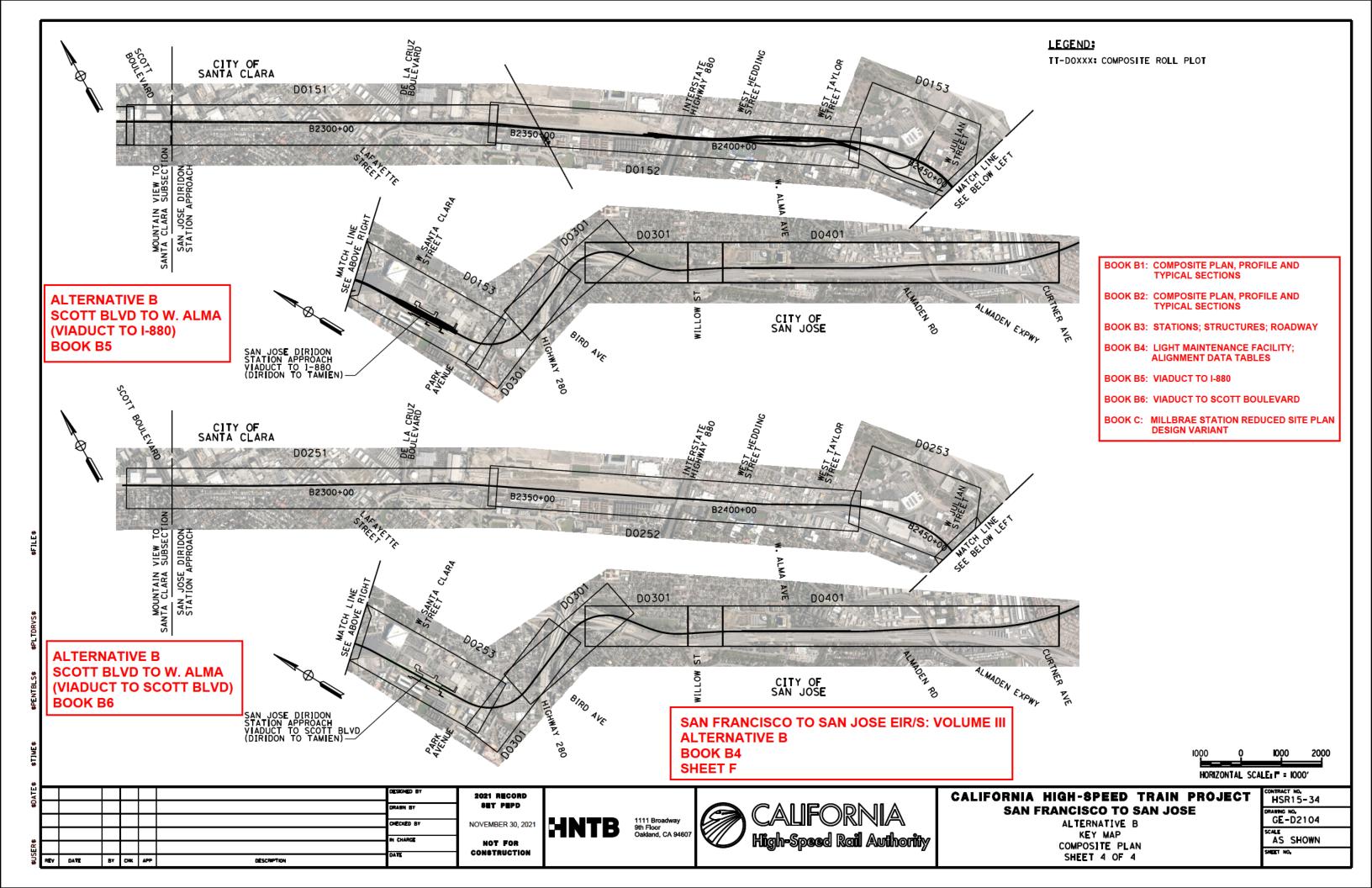
CONTRACT NO. HSR15-34
DRAWING NO. GE-A2104
scale NONE
SHEET NO

ALTERNATI \	/E B - SAN FF	RANCISCO TO	SAN JOSE (4TH/KING TO SCO	OTT BOULEVARD)			
ВООК	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
COVER, IND	EX OF DRAW	VING AND KEY	Y MAPS				
BOOK B4	А	COVER		4TH & KING TO SCOTT BLVD	ALTERNATIVE B	ALTERNATIVE A	
BOOK B4	В	GE-A2104	ENTIRE ALTERNATIVE	MAINTENANCE, ALIGNMENT DATA TABLE	INDEX OF DRAWINGS	SHEET 4 OF 6	
BOOK B4	С	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	Е	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 MAIN	ITENANCE FA	ACILITY					
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 GUID	DEWAY HORI	ZONTAL ALIG	NMENT 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. C133TO 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	









ALTERNATIVE B **ALTERNATIVE B** SCOTT BLVD TO W. ALMA SCOTT BLVD TO W. ALMA (VIADUCT TO I-880) (VIADUCT TO SCOTT BLVD) **ALTERNATIVE B** 4TH AND KING TO SCOTT BLVD BOOKS B1 & B2

ALTERNATIVE B

			ALIERNAI	IVE B			
Traction Power Facility (TPF)	TPD IF	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
4th & King Passenger Station					Radio Tower 4th & King Sta FJ0		4th St
		STATIC	ON EQUATION STA B133+15.12 = STA B13	39+00.00			
Mariposa PS-1 (Caltrain)	PCEP-PS-1				Radio Tower PS-1 (Caltrain)		Mariposa St
To Caltrain PS-2		3.86			to RT 4th & King Sta FJ0	0.99	manposa ot
		12.22	CALTRAIN TUNNEL 1 - NORTH PORTAL				
			CALTRAIN TUNNEL 1 - SOUTH PORTAL				
		Τ					
			CALTRAIN TUNNEL 2 - NORTH PORTAL				
			CALTRAIN TUNNEL 2 - SOUTH PORTAL				
					Stand Alone Radio Tower FJ1 - Alt 1		Jerrold Ave
					to RT 4th & King Sta		
		-			to RT PS-1	1.57	Newsomb Ave
		 			Stand Alone Radio Tower FJ1 - Alt 2 to RT 4th & King Sta	2.81	Newcomb Ave
		 			to RT PS-1		
			CALTRAIN TUNNEL 3 - NORTH PORTAL		IUNI FO-I	1.02	
			CALTRAIN TUNNEL 3 - SOUTH PORTAL				
			CALTRAIN TUNNEL 4 - NORTH PORTAL				
			CALTRAIN TUNNEL 4 - SOUTH PORTAL				
		Begin	ning of Alternative B - West Brisbane				
				Stand Alone Radio		Blanken Ave	
				Tower FJ1A		Didrikeli Ave	
				to SA-RT FJ1 - Alt 1			
Develope DC 2 (Collegia)		-		to SA-RT FJ1 - Alt 2	1.89	December December	College SAR on College to other
Bayshore PS-2 (Caltrain)						кесусіе коад	Co-locate SAR at Caltrain site
				Stand Alone Radio		Bayshore	
				Tower FJ2 - All 1		Boulevard	
				to SA-RT FJ1A	2.06		
				Stand Alone Radio		Bayshore	
				Tower FJ2 - Alt 2		Boulevard	
				to SA-RT FJ1A	2.24		
			JATION STA B539+85.68 = STA B545+00.0				
	<u></u>	nd of Alternative	B - West Brisbane. Conform with Alternativ	/e A. ⊤	I		
South San Francisco TPS-1 (Caltrain)	PCEP-TPS-1				Radio Tower TPS-1 (Caltrain)		Grand Ave
To Caltrain PS-2		4.09			to SA-RT FJ2 - Alt 1	2.18	Orana Ave
To Caltrain PS-3		5.73			to SA-RT FJ2 - Alt 2		
To Caltrain TPS-2		36.21			TO STATE THE	2.00	
		STATIO	N EQUATION STA B662+50.02 = STA B6	65+00.00			
					Stand Alone Radio Tower FJ3 - Alt 1	0.00	San Marco Ave
					to RT TPS-1	2.92	Conto Lucio Aug
		+		-	Stand Alone Radio Tower FJ3 - Alt 2 to RT TPS-1	2.99	Santa Lucia Ave
Broadway PS-3 (Caltrain)	PCEP-PS-3				Radio Tower PS-3 (Caltrain)	2.99	Lincoln Ave
To Caltrain TPS-1	102140-0	5.73			to SA-RT FJ3 - Alt 1	2.81	LINGHIANG
To Caltrain PS-4		5.48			to SA-RT FJ3 - Alt 2		
				Stand Alone Radio	10 0,111,100 7112	Cypress	
				Tower FJ4 - Alt 1		Avenue	
				Stand Alone Radio		2nd Avenue	
				Tower FJ4 - Alt 2		Zna Avenue	
	I	1					

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

TPF ID Prev. TPF Automatic Train Control Sites Prev. ATC-D

End of San Francisco to San Jose Section (FJ) - Scott to Diridon Subsection

Station Equation FJ ALT. A (NRRW) POE 2481+15.17 (SB) = DRDN-TAMI POB 52+90.53 (SB)

Beginning of San Jose to Merced Section (JM) - Diridon to Tamien Subsection

House at Interlocking Site B

Station SB TRK)	Traction Power Facility (TPF)	TPD IF	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	Station (SB TRK)	Traction Power Facility
1071+00			Beginnin	g of Alternative B - Short Middle 4-Track			(,			
1179+32	Hillsdale PS-4 (Caltrain)				Radio Tower PS-4		E. Hillsdale	Co-locate SAR at Caltrain site	2260+00	
					(Caltrain) to SA-RT FJ4 - Alt 1	2.66	Boulevard		2262+13	
			+		to SA-RT FJ4 - Alt 1	2.52				
					Stand Alone Radio	2.02	Maintall - Doord			
1257+62					Tower FJ5 - Alt 1		Middle Road		2287+08	
-			-		to RT PS-4	1.48	D-I-4	1		
1269+19					Stand Alone Radio Tower FJ5 - Alt 2		Ralston Avenue		I	
_			1		to RT PS-4	1.70	Avenue			Caltrain PCEP TPS-2 - Alt 1
1383+23					Stand Alone Radio		El Camino			
					to SA-RT FJ5 - Alt 1					
-					to SA-RT FJ5 - Alt 2 Stand Alone Radio	2.16				Substation A (HSR) - ALT2
1387+77					Tower FJ6 - Alt 2		Center Street		-	
					to SA-RT FJ5 - Alt 1	2.46				
					tc SA-RT FJ5 - Alt 2	2.25			2393+77	
1419+97			STATION FOLIA	TION STA B1440:07:20 - CTA B4405:0	10.00				2394 72	
-				. <mark>TION - STA B1419+97.30 = STA B1425+0</mark> - Short Middle 4-Track. Conform with Altern					-	
1425+00		Liid	- STANCHIGUYE D	S.IST MIGGIO 1-11GOR, COMOTH WITH AREH	matori.			1		
	Redwood Junction SWS-1 (Caltrain)	PCEP-SWS-1				Radio Tower SWS-1 (Caltrain)		SR 84	2464+32	
-	To Caltrain PS-4		5.89			to SA-RT FJ6 - Alt 2				
	To Caltrain PS-5		5.81			to SA-RT FJ6 - Alt 1	1.94			
	To Caltrain TPS-1 To Caltrain TPS-2		17.10 19.11					+		
1627+06	To Califait IF 3-2		13.11			Stand Alone Radio Tower FJ7 - Alt 1		Derby lane		Diridon Passenger Station
						to RT SWS-1	2.50	,	2481+15	
1638+84						Stand Alone Radio Tower FJ7 - Alt 2		Ravenswood Avenue	_	
 1725+76						to RT SWS-1 Stand Alone Radio Tower FJ8 - Alt 1	2.72	Addings Assessed	52+91	
-			+			to SA-RT FJ7 - Alt 1	1.87	Addison Avenue	66+10	
-			<u> </u>			to SA-RT FJ7 - Alt 2			77+33	
1728+64						Stand Alone Radio Tower FJ8 - Alt 2		Embarcadero Road		
						to SA-RT FJ7 - Alt 1	1.92			
1901+00	West Meadow PS-5 (Caltrain)	PCEP-PS-5				to SA-RT FJ7 - Alt 2	1.70	-		
	To Caltrain SWS-1		5.81					1		
	To Caltrain PS-6		6.69						91+21	
1861+61						Stand Alone Radio Tower FJ8A - Alt 2		E. Charleston Raod		
						to SA-RT FJ8 - Alt 1	2.57			
 1865+41						to SA-RT FJ8 - Alt 2 Stand Alone Radio Tower FJ8A - Alt 1	2.52	Park Boulevard	┥	
-						to SA-RT FJ8 - Alt 1	2.64	T div Bodievard		
-						to SA-RT FJ8 - Alt 2				
1991+97						Stand Alone Radio Tower FJ9 - Alt 1	0.17	N. Shoreline Boulevard	150+00	
						to SA-RT FJ8A - Alt 2 to SA-RT FJ8A - Alt 1				
1998+51			 			Stand Alone Radio Tower FJ9 - Alt 2	2.40	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	4.00	E. Bernardo Avenue	_	
						to SA-RT FJ9 - Alt 1 to SA-RT FJ9 - Alt 2		+		
2093+59						Stand Alone Radio Tower FJ10 - Alt 2	1.77	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) To Caltrain PS-5	PCEP-PS-6	6.69			Radio Tower PS-6 (Caltrain) to SA-RT FJ10 - Alt 1	1.20	Mathilda Avenue	-	
	To Caltrain PS-5		6.62			to SA-RT FJ10 - Alt 1				
			3.02			Stand Alone Radio Tower FJ11 - Alt 1		Lawrence Expressway	1	
2268+87						to RT PS-6	2.16]	
-				I .	1	Stand Alone Radio Tower FJ11 - Alt 2		Lawrence Expressway	1	
 2290+53								Lawrence Expressway		
 2290+53 						to RT PS-6	2.57	Lawrence Expressway		
 2290+53				End of San Francisco to San Jose Section (2.57	Lawrence Expressway		

ALTERNATIVE B (CONTINUED)

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

Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (mi)	Automatic Train Control Sites	Prev. ATC-D (mi)	Communications Radio Tower	Dist. to Prev. RT (mi)	Cross Street
2260+00			S	COTT BOULEVARD				
2261+60				House at Interlocking Site A		Radio Tower Interlocking Site A		
-						to SA-RT FJ11 - Alt 1	2.04	
-						to SA-RT FJ11 - Alt 2	1.63	
2289+59				House at Interlocking Site B				
2389+15	Caltrain PCEP TPS-2 - Alt 1	-				Radio Tower SS-A - Alt 1		
						to RT Interlocking Site A	2.42	
2391+52	Substation A (HSR) - ALT2	B-SS-STO (Alt 2)				Radio Tower SS-A - Alt 2		Stockton Ave.
						to RT Interlocking Site A	2.46	
2463+97				House at Interlocking Site E		Radio Tower Interlocking Site E - Alt 1		
						to Caltrain PCEP TPS-2 - Alt 1	1.42	
						to Substation A (HSR)	1.37	
2476+07	Diridon Passenger Station							
2480+81				Scott to Diridon Subsection				
	Station Equ	uation FJ - ALT. B (W	(IDE) POE 2	480+80.58 (SB) = DRDN-TAMI PO	B 52+90.53	(SB)		
52+91			Beginning o	f Diridon to W. Alma Subsection				
66+10				House at Interlocking Site B				
77+33				House at Interlocking Site A		Radio Tower Interlocking Site A - Alt 3		
						to Caltrain PCEP TPS-2 - Alt 1	2.20	
-						to Substation A (HSR)	2.15	
91+34				House at Interlocking Site AA		Radio Tower Interlocking Site AA - Alt 4		
-						to Caltrain PCEP TPS-2 - Alt 1	2.46	
						to Substation A (HSR)	2.42	
-						to RT Interlocking Site E - Alt 1	1.05	
						to RT Interlocking Site A - Alt 3	0.27	
150+00			End of D	iridon to Tamien Subsection				

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III **ALTERNATIVE B BOOK B4** SHEET G

Communications Radio Tower Prev. RT

to SA-RT FJ12 - Alt 2 1.94

to SA-RT FJ12 - Alt 1 2.51 to SA-RT FJ12 - Alt 2 2.04

to Substation A (HSR) 1.37

to Substation A (HSR) 2.15

to RT Interlocking E - Alt 1 0.78

dio Tower Interlocking Site E - Alt 1

Caltrain PCEP TPS-2 - Alt 1 1.42

to RT Interlocking Site A - Alt 3 1.32

Radio Tower Interlocking Site A - Alt 3

Caltrain PCEP TPS-2 - Alt 1 2.20

to RT Interlocking Site A SCT-DRDN- Alt 3 2.10

ower Interlocking Site AA - Alt 4 Caltrain PCEP TPS-2 - Alt 1 2.46 to Substation A (HSR) 2.42 erlocking Site A SCT-DRDN- Alt 3 2.36 to RT Interlocking Site E - Alt 1 1.04 to RT Interlocking Site A - Alt 3 0.26

to SA-RT FJ12 - Alt 1 2.46 to SA-RT FJ12 - Alt 2 1.98



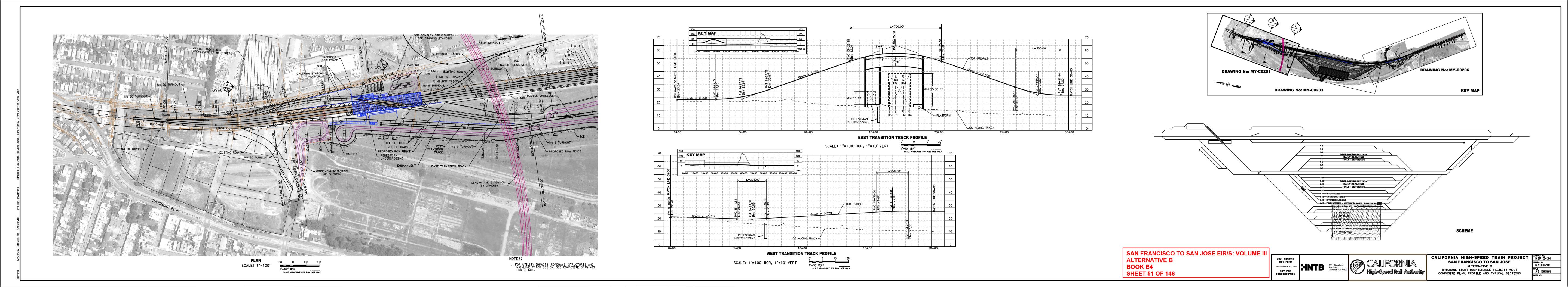


CALIFORNIA HIGH-SPEED TRAIN PROJECT
SAN FRANCISCO TO SAN JOSE

CONTRACT NO. HSR15-34

DRAWBIG NO. ALTERNATIVE B
KEY MAP
SYSTEM SITES

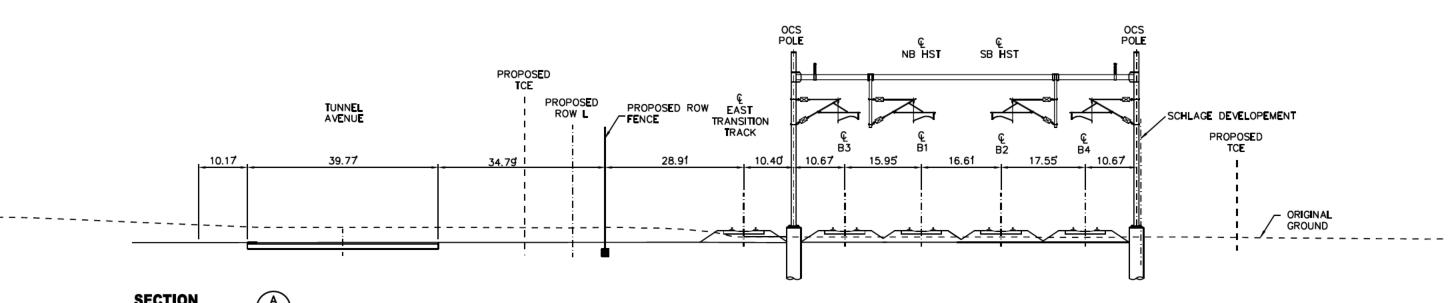
AS SHOWN

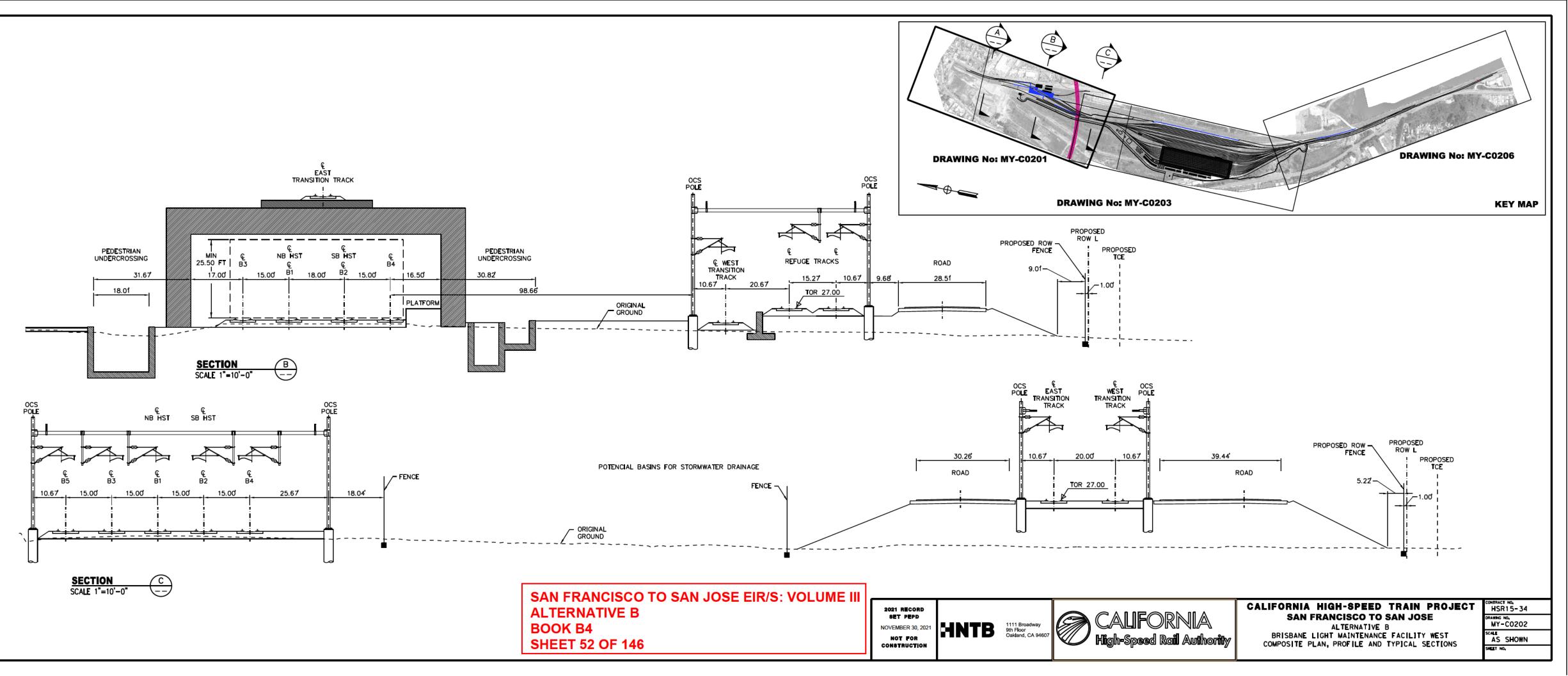


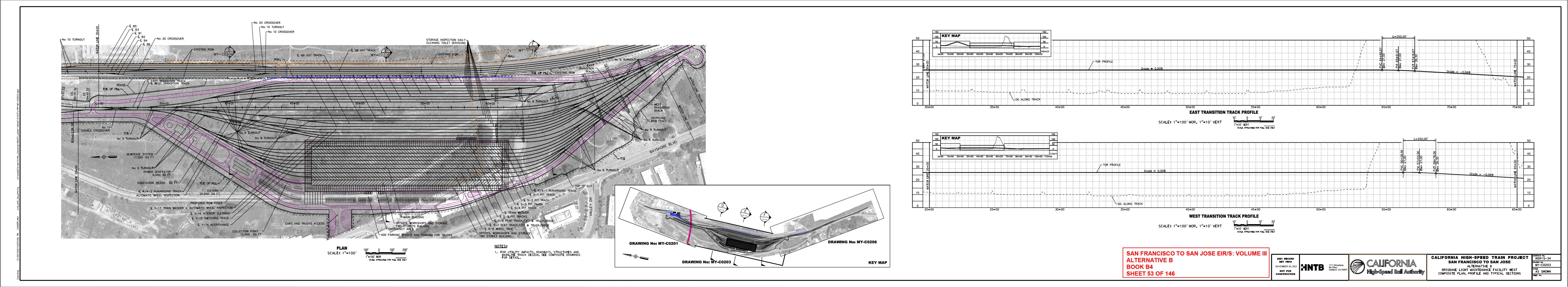
S 614'57" W S 4'22'20" E S 4'22'20" E S 6'46'30" E S 6'46'30" E S 4'26'50" E S 4'26'50" E S 15'29'45" W S 15'29'45" W S 17'49'24" W S 17'49'24" W S 15'31'54" W S 15:31'54" W S 3:30'44" W S 3'30'44" W S 1'13'13" W

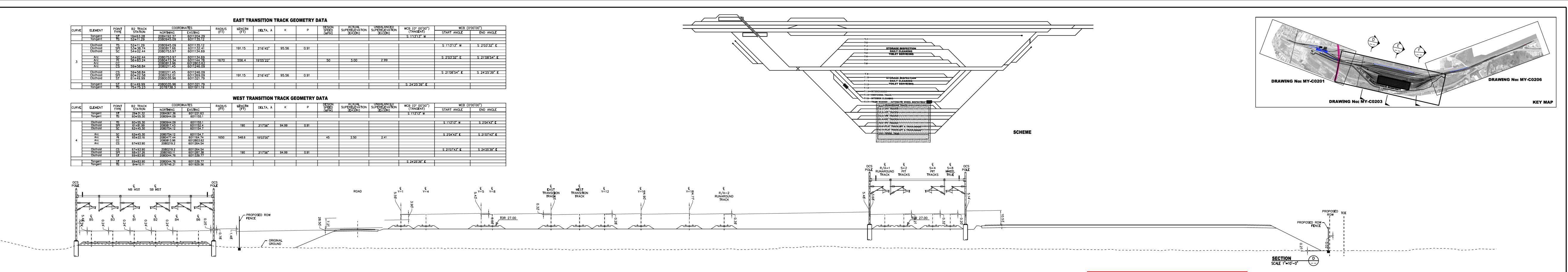
WEST TRANSITION TRACK GEOMETRY DATA POINT B2 TRACK COORDINATES RADIUS LENGTH ----- DESIGN ACTUAL UNBALANCED WCB (0° 00'00") WCB (0°00'00")

CURVE	ELEMENT	POINT	B2 TRACK	COOR	DINATES	RADIUS	LENGTH	DELTA, À	L .	P	DESIGN	SUDEDELEVATION	SUPERELEVATION	WCB (0° 00'00") (TANGENT)	WCB (0	·00'00")
CURVE	ELEMENT	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELIA, A	\ \ \		SPEED (MPH)	(EA)(IN)	(EU)(IN)	(TANGENT)	START ANGLE	END ANGLE
	langent	POB	0+00.00	2086136.01	6011525.27 6011523.52						(\	, , , ,	S 1'13'13" W		
	Tangent	PI	0+81.25	2086053.78	6011523.52											
	Tonocat		0.01.05	1 0000057.70	1 001150750								,	0.4405104"		
	Tangent Tangent	PI TC	0+81.25 2+52.80	2086053.78 2085872.55	6011523.52 6011510.58					+				S 4.05'04" W		
	rangent	13	Z T 32.00	2003072.33	6011310.36		<u> </u>	<u> </u>			<u> </u>				1	
	Clothoid	TS	2+52.81	2085872.55	6011510.58										S 4.05'04" W	S 6.09,32, M
	Clothoid	SPI	2+52.81 3+22.82	2085872.55 2085802.73	6011510.58 6011505.59 6011501.83		105	2'04'28"	52.5	0.32						
	Clothoid	SC	3+57.81	2085767.92	6011501.83											
	٨٠٥	SC	3+57.81	2005767.02	C011E01 07										S 6'09'32" W	C 40*07*77" W
	Arc Arc	SC DI	3+37.81 4+07.18	2085767.92 2085718.84	6011501.83	1450	98.7	3'54'01"		+	34	1.50	1,69		5 6 09 32 W	S 10°03'33" W
1	Arc	CC	4707.10	2085923.49	6011496.54 6010060.2	1430	30.7	3 34 01		+	34	1.50	1.03			
	Arc	ČŠ	4+56,52	2085670.23	6011487.91								1			
	Clothoid	CS	4+56.52	2085670.23	6011487.91										S 10.03,33, M	S 12'08'01" W
	Clothoid Clothoid	SPI	4+91.52 5+61.52	2085635.76	6011481.8 6011467.09		105	2'04'28"	52.5	0.32			-			
	Ciotnola	51	3+61.32	2085567.32	6011467.09						<u> </u>	1	1		1	
	Tangent	ST	5+61.52	2085567.32	6011467.09	1			1	1	1			S 12'08'01" W	1	
	Tangent	ŤŚ	16+25.18	2084527.41	6011243.51								1	5 1 <u>2</u> 00 01 W		
	Clothoid Clothoid	TS	16+25.18	2084527.41 2084462.23	6011243.51 6011229.5		100	044 7774 77	50	0.77	ļ				S 12'08'01" W	S 9'50'30" W
	Clothoid	SPI	16+91.86 17 + 25.18	2084462.23	6011229.5		100	2'17'31"	50	0.33	<u> </u>	+				
	Ciotnoid	30	17 725.10	2004429.30	0011223.0	<u> </u>	 	1		+	<u> </u>		+			
	Arc	SC	17+25.18	2084429.38	6011223.8								1		S 9'50'30" W	S 3'30'44" W
2	Arc	PI	17+94.30	2084361.28	6011211.98	1250	138.09	6'19'47"			30	1.50	1.38			
2	Arc	CC		2084215.72	6012455.4 6011207.75											
	Arc	CS	18+63.28	2084292.3	6011207.75											
	Clothoid	- 00	10167.20	2084202.3	6011207.75	<u> </u>	-		-	+	 	1			S 3'30'44" W	S 1'13'13" W
	Clothoid	SPI	18+63.28 18+96.61	2084292.3 2084259.02	6011207.75		100	2'17'31"	50	0.33	 				5 3 30 44 W	SIISIS W
	Clothoid	ST	19+63.28	2084192.37	6011204.29		100	21/3	30	0.55	<u> </u>					
						•	•	•	•	•	•	•			•	
	Tangent	ST	19+63.28	2084192.37	6011204,29									S 1113'13" W		
	Tangent	I TS	52+11.29	2080945.09	6011135.12										l .	









SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III **ALTERNATIVE B BOOK B4** SHEET 54 OF 146

2021 RECORD
SET PEPD
NOVEMBER 30, 2021
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AND TOR CONSTRUCTION

1111 Broadway
9th Floor
Oakland, CA 94607

CALIFORNIA

High-Speed Roll Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT

SAN FRANCISCO TO SAN JOSE

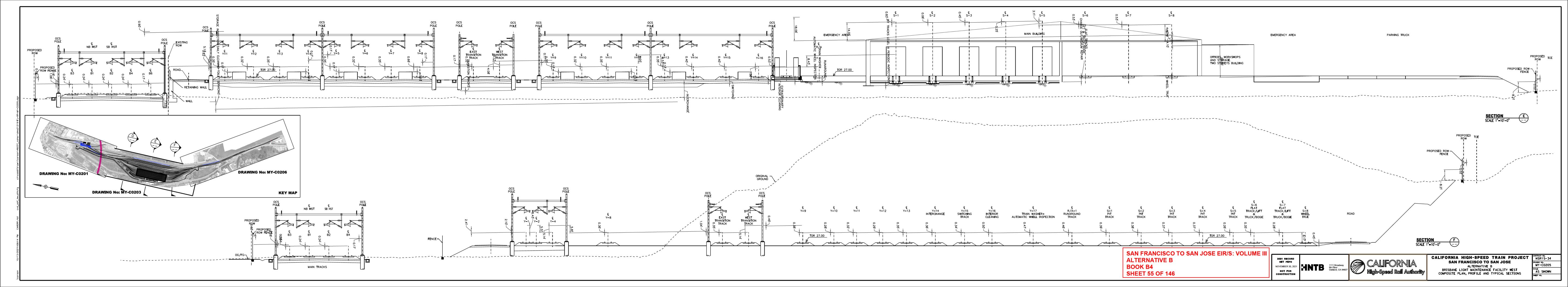
ALTERNATIVE B

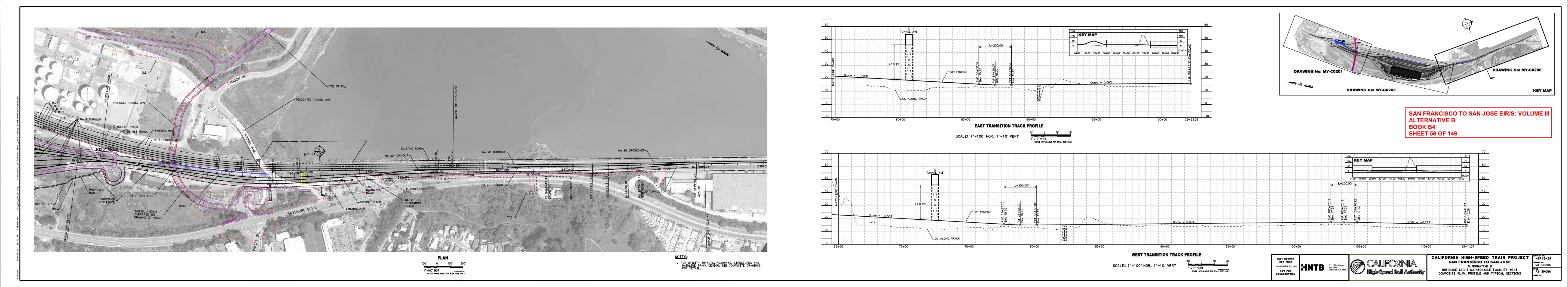
BRISBANE LIGHT MAINTENANCE FACILITY WEST
COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS

CONTRACT NO. HSR15-34

DRAWNG NO. MY-C0204

SCALE
AS SHOWN
SHEET NO.





WEST TRANSITION TRACK GEOMETRY DATA

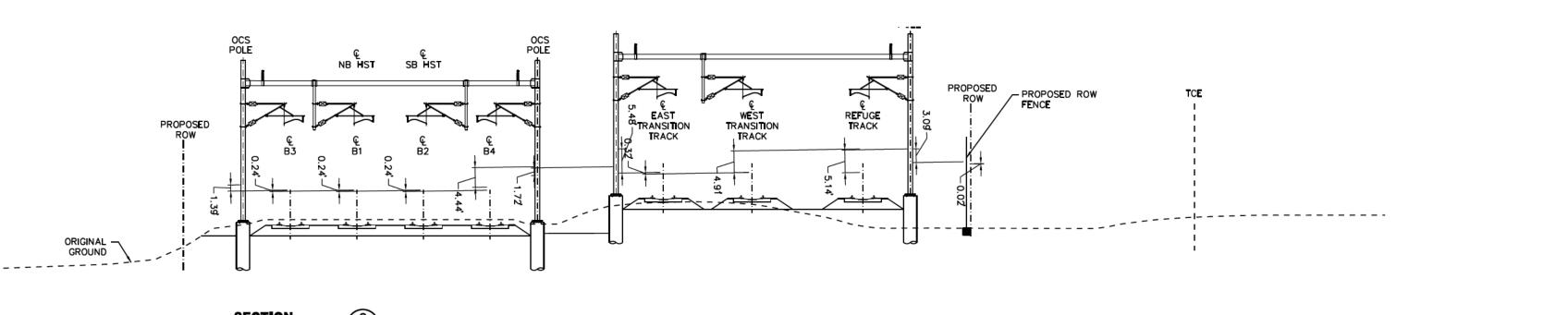
										I BEGIAN	I ACTUAL	LINDAL ANCES			
ELEMENT	POIN T	B2 TRACK	COORI	DINATES	RADIUS	LENGTH	DELTA, À	к	P	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	WCB (0° 00'00")	WCB (0.00,00,00,00,00,00,00,00,00,00,00,00,00
	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELIA, A		1 '	(MPH)	(EA)(IN)	(EU)(IN)	(TÀNGENT)	START ANGLE	END ANGLE
Tangent	ST	61+49.99	2080035.96	6011321.79									S 24°25'39" E		
Tangent	TS	75+75.23	2078738.3	6011911.19		1				1				<u> </u>	
Clothoid	TS	75+75.23	2078738.3	6011911.19	1	1			1	1				S 24'25'39" E	S 26'41'09" E
Clothoid	SPI	77+02.43	2078622.49	6011963.79		190.79	2'15'31"	95.39	0.63					3 2 7 2 3 3 3 2	3 20 41 03 E
Clothoid	SC	77+66.02	2078565.65	6011992.36											
A		77.00.00	0070505.05	2011000 70											
Arc Arc	SC PI	77+66.02 78+94.37	2078565.65 2078450.97	6011992.36 6012050	2420	256.47	6*04'19"			60	3.00	2.95		S 26'41'09" E	S 32'45'29" E
Arc	- CC	70734.37	2079652.48	6014154.58	2420	230.47	0 04 19			- 60	3.00	2.93		+	+
Arc	ČŠ	80+22.49	2078343.03	6012119.45										1	
Clothoid Clothoid	CS SPI	80+22.49	2078343.03	6012119.45	ļ	190.79	045'74"	OE 70	0.67	-				S 32'45'29" E	S 35'01'00" E
Clothoid	SPI	80+86.09 82+13.28	2078289.54 2078185.37	6012153.87 6012226.86	 	190,79	2'15'31"	95.39	0.63	+		 			+
Ciottiola	31	02+1J.20				1				1			S 35'01'00" E		
Tangent	ST	82+13.28	2078185.37	6012226.86									3 33 01 00 2		
Tangent	TS	90+72.91	2077481.34	6012720.13											
Clathaid		00.7001	2077481.34	6012720.13										C 75101'00" F	S 34*38'05" E
Clothoid Clothoid	TS SPI	90+72.91 91+39.57	2077426,74	6012758.38		100	0'22'55"	50	0.06	+				S 35'01'00" E	S 34 38 05 E
Clothoid	SC	91+72.91	2077399.31	6012777.33		100	0 22 33	50	0.00	 					
Arc	SC	91+72.91	2077399.31	6012777.33										S 34°38'05" E	S 32'56'43" E
Arc Arc	PI CC	92+83.48	2077399.31 2077308.33 2073136.76	6012777,33 6012840,17 6006606,38	7500	221.13	1'41'22"			60	1.00	0.92			
Arc	CS	93+94.04	2073136.76	6012900.31		-				+					+
AI C	- 03	33737.07	20//213.34	0012300.31						+					
Clothoid	CS	93+94.04	2077215.54	6012900.31										S 32'56'43" E	S 32'33'48" E
Clothoid	SPI	94+27.37	2077187.57	6012918.43		100	0'22'55"	50	0.06						
Clothoid	ST	94+94.04	2077131.38	6012954,32										<u> </u>	
Tangent	ST	94+94,04	2077131.38	6012954.32	1	1	1 1		I	T			S 32'33'48" E	1	1
Tangent	TS.	102+14.61	2076524.09	6013342.15									3 32 33 46 6		1
Clothoid Clothoid	TS	102+14.61	2076524.09	6013342.15		100	0100/55"	F0	0.00					S 32*33'48" E	S 32'56'43" E
Clothoid	SPI SC	102+81.27 103+14.61	2076467.90 2076439.93	6013378.03 6013396.16	1	100	0'22'55"	50	0.06	-					
Ciottiola	30	103714.01	20/0439.93	0013390.10						1					
Arc	SC	103+14.61	2076439.93	6013396.16	1	1			1	1				S 32'56'43" E	S 35'39'21" E
Arc	PI	104+92.05	2076291.02 2080518.71	6013492.66	7500	354.82	2'42'38"			60	1.00	0.92			
Arc	CC	100 - 00 - 17	2080518.71	6013492.66 6019690.08 6013596.09		1									1
Arc	CS	106+69.43	2076146.84	6013596.09	<u> </u>	1			<u> </u>	1				-	+
Clothoid	CS	106+69,43	2076146,84	6013596.09	1	+	 		1	+				S 35'39'21" E	S 36'02'16" E
Clothoid	SPI	107+02.76	2076119.76	6013615.52		100	0'22'55"	50	0.06	1				3 33 33 Z1 E	3 30 02 10 2
Clothoid	ST	107+69.43	2076065.85	6013654,74											
Tennes!		107.00.47	0070005.05	004705471									0. 7040014011 7		
Tangent Tangent	ST	107+69,43 111+75,87	2076065.85 2075737.19	6013654.74 6013893.86		-				1			S 36'02'16" E		
Tungent		1117/3.0/	20/3/3/,19	0013093.00					1	1	1				1

 Tangent
 PI
 111+75.87
 2075737.19
 6013893.86
 S 33'10'25" E

 Tangent
 POE
 113+11.37
 2075623.77
 6013968.00
 S 33'10'25" E

EAST TRANSITION TRACK GEOMETRY DATA

CHEVE	-1	ELEMENT	POINT	B2 TRACK	COORE	DINATES	RADIUS	LENGTH (FT)	DELTA A	V	Ь Б	DESIGN	SUPERELEVATION	SUPERELEVATION	WCB (0° 00'00") (TANGENT)	WCB (C	°00'00")
CURV	1	ELEMENI	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELTA, À	, N		SPEED (MPH)	(EA)(IN)	(EU)(IN)	(TANGENT)	START ANGLE	END ANGLE
		Tangent	ST	69+83.90	2080044.76	6011339.77						` `			S 24'25'39" E		
		Tangent	TS	84+10,11	2078746.21	6011929.56											
	<u> </u>	Clothoid	TS	84+10.11	2078746.21	6011929.56										S 24'25'39" E	S 26'41'43" E
		Clothoid	SPI	85+36.79	2078630.88	6011981.95		190	2"16"05"	95	0.63						
		Clothoid	SC	86+00.11	2078574.29	6012010.4											
																S 26'41'43" E	S 32*44'55" E
		Arc	SC	86+00.11	2078574.29	6012010.4											
_		Arc	PI	87+27.01	2078460.91	6012067.41	2400	253.56	6'03'12"			60	3.00	3.00			
5		Arc	CC		2079652.48	6014154.58											
		Arc	CS	88+53.67	2078354.19	6012136.06											
		Clothoid	CS	88+53.67	2078354.19	6012136.06										S 32'44'55" E	S 35'01'00" E
		Clothoid	SPI	89+17.01	2078300.91	6012170.32		190	2"16"05"	95	0.63						
		Clothoid	ST	90+43.67	2078197.17	6012243.01											
															S 35'01'00" E		
		Tangent	ST	90+43.67	2078197.17	6012243.01											
		Tongent	PI	101+05.45	2077327.58	6012852.27											
1	L	Tongent	PI	101+05.45	2077327.58	6012852.27	ļ								S 32'33'11" E		
		Tangent	POE	102+23.36	2077228.2	6012915.72											



SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III
ALTERNATIVE B

2021 RECORD
SET PEPD **BOOK B4** SHEET 57 OF 146



Y-14—INTERCHANGE—

Y-15—SWITCHING TRACK—
Y-16—INTERIOR CLEANING—

- 2 - PIT TRACKS

- 2 - PIT TRACKS

- 3 - PIT TRACKS

- 3 - PIT TRACKS

- 5 - PIT TRACKLET & TRUCK/BOGIE

- 3 - PILAT TRACK/LIFT & TRUCK/BOGIE

- 5 - PILAT TRACK/LIFT & TRUCK/LIFT & TRUCK/BOGIE

- 5 - PILAT TRACK/LIFT & TRUCK/LIFT & TRUCK/L



CALIFORNIA HIGH-SPEED TRAIN PROJECT

SAN FRANCISCO TO SAN JOSE

ALTERNATIVE B

BRISBANE LIGHT MAINTENANCE FACILITY WEST
COMPOSITE PLAN, PROFILE AND TYPICAL SECTIONS

CONTRACT NO. HSR15-34

DRAWBUG NO. MY-C0207

SCALE
AS SHOWN
SMEET NO.

2021 RECORD

NOVEMBER 30, 2021 NOT FOR CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C103 TO C106

_	CONTRACT NO.
•	HSR15-34
	DRAWING NO.
	TT-B0001
	SCALE
	NONE
	NONE

SEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 58 OF 146

										TIABLE			,			
CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION		DINATES	RADIUS (FT)	LENGTH (FT)	DELTA, △	K	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	TNGT BEARING/ CHRD DEG CV	WCB (O	00′00")
	TANCENT	DOD		NORTHING	EASTING 6014026.793						(MPH)	(EA) (IN)	(EU) (IN)	(0°00′00") S 46°19′23" W	START ANGLE	END ANGLE
	TANGENT TANGENT	POB PI	100+00.00	2110730.839			231.94							5 46 19 23 W		
	TANGENT	PI		2110570.663			1610.23							S 46°16′23" W		
	TANGENT	TS	118+42.17	2109457.634	6012695.419											
	CLOTHOID	TS	118+42.17	2109457.634	6012695.419										S 46°16′23" W	S 44°04′10
	CLOTHOID	SPI	118+75.51	2109434.592	6012671.330		50.00	2°12′13"	25.00	0.16						
	CLOTHOID	SC	118+92,17	2109422.615	6012659.736											
	ARC	SC	118+92-17	2109422.615	6012659-736											
C103	ARC	PI	124+93.95	2108990.242	6012241.184	650.00	970.00	85° 35′15"			25	0.50	3.36	8°49′24"		
	ARC	CC	100.00 17	2108970.521	6013126.759											
	ARC	CS	128+62-17	2108539.665	6012640.073											
	CLOTHOID	CS	128+62.17	2108539.665	6012640.073										S 41°31′05" E	S 43°43′18
	CLOTHOID	SPI		2108527.185			50,00	2°12′13"	25,00	0,16						
	CLOTHOID	ST	129+12.17	2108503.092	6012674.163											
	TANGENT	ST	129+12.17	2108503.092	6012674.163		2115.74							S 43°43′18" E		
EQN		BK	133+15-12	2108211.880												
EQN	TANGENT	AHD	139+00.00	2106974.035	6014176 460											
	IANGENI	TS	156+12-19	2106974.035	6014136.468											
	CLOTHOID	TS		2106974.035											S 43°43′18" E	S 36°53′12
	CLOTHOID	SPI		2106860.726			235.00	6°50′06"	117.44	2.33						
	CLOTHOID	SC	158+47.79	2106797,988	6014291.912											
	ARC	SC	158+47.79	2106797.988	6014291,912											
C104	ARC	ΡĪ	160+83.06	2106609.813	6014433,130	984.98	461.69	26°52′04"			45	2.75	5,50	5°49′10"		
	ARC	CC	167100 40		6013504.101											
	ARC	CS	163-09.48	2106378.131	6014474.061											
	CLOTHOID	CS		2106378.131											S 10°01′09" E	S 3°11′03′
	CLOTHOID	SPI	163+87-92	2106300.887	6014487.708		235.00	6°50′06"	117.44	2.33						
	CLOTHOID	ST	165+44.48	2106144,346	6014496,416											
	TANGENT	ST	165+44.48	2106144,346	6014496,416		2067.46							S 3°11′03" E		
	TANGENT	TS		2104080.075												
	CLOTHOID	TS	196+11 94	2104080-075	6014611 254										S 3°11′03" E	S 2°16′30'
	CLOTHOID	SPI		2103936.961			215.00	0°54′33"	107.50	0.28					3 3 11 03 E	3 2 16 30
	CLOTHOID	SC		2103865.349												
	ADC		100126 04	2107065 740	6014633.061											
C105	ARC ARC	SC PI	193+48-54	2103865 . 349 2103344 . 159	6014642-765	6773.95	1041.14	8°48′23"			100	2,50	3,42	0°50′45"		
0.00	ARC	СС	100110101		6007853.452			0 10 20				2700	07.2	0 00 10		
	ARC	CS	198+68.08	2102825.943	6014583.434											
	CLOTHOID	CS	198+68-08	2102825.943	6014583-434								 	1	S 6°31′53" W	S 7°26′26
	CLOTHOID	SPI	199+39.75	2102754.740	6014575.282		215.00	0°54′33"	107.50	0.28						<u> </u>
	CLOTHOID	S T	200+83.08	2102612.611	6014556.720											
	TANGENT	ST	200+83.08	2102612 611	6014556.720		2986.98							S 7°26′26" W		
	TANGENT	PI*	230+70.06	2099650.782	6014169.908		2900490							3 1 20 20 W		
	TANGENT	PI*		2099650.782			839.49							S 7°25′02" W		
	TANGENT	TS	239+09.55	2098818,320	6014061,535	 							 	1		
	CLOTHOID	TS		2098818.320											S 7°25′02" W	S 7°29′06
	CLOTHOID	SPI		2098762,127			85.00	0°04′04"	42.50	0,01						
	CLOTHOID	SC	239+94.55	2098734.036	6014050-529	 		-						+		
	ARC	SC	239+94.55	2098734.036	6014050.529											
C106	ARC	ΡI	240+48.06	2098680.978	6014043.558	36000.00	107.03	0°10′13"			110	1.00	0.35	0°09′33"		
	ARC ARC	CC	2/11/01 50		5978357.274											
	ARC	CS	241701.08	2098627.942	0014036.430	+		+					 	1		
	CLOTHOID	CS	241+01.58	2098627,942	6014036,430										S 7°39′19" W	S 7°43′22

TRACK ALIGNMENT DATA SUMMARY TABLE - FJ SB TRACK

							CIV ALION	MENI DAIA	- JOHNHAIN	· ·ADEL						
CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COOR	DINATES EASTING	RADIUS (FT)	LENGTH (FT)	DELTA, △	K	Р	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (0°	OO'OO") END ANGLE
	CLOTHOID	SPI	241+29.91		6014032.655		85.00	0°04′04"	42.50	0.01	(11 /	(20)	(20) (211)	(TAROLITY	START AROLL	END ANGLE
	CLOTHOID	ST	241+86.58		6014025.040		85.00	0 04 04	42.50	0.01			 			
	CEOTHOLD	٥.	241100130	2090343\$100	00140231040											
	TANGENT	ST	241+86.58	2098543.708	6014025-040		100.28							S 7°43′22" W		
	TANGENT	TS		2098444,342									1			
	CLOTHOID	TS	242+86.85	2098444.342	6014011.565										S 7°43′22" W	S 7°40′07" W
	CLOTHOID	SPI		2098388.189			85.00	0°03′15"	42.50	0.01						
	CLOTHOID	SC	243+71.85	2098360.109	6014000.169											
	ARC	SC		2098360.109				0007/408						0007/7011		
C107	ARC	PI	244+23.04	2098309.384	6013993.339	45000.00	102.37	0°07′49"			110	1.00	0.08	0°07′38"		
	ARC	CC	044.74.00	2092355.072	6058597.698											
	ARC	CS	244+14.22	2098258,642	6013986.624											
	CLOTHOID	CS	244+74 22	2098258.642	6013086 624										S 7°32′18" W	S 7°29'03" W
	CLOTHOID	SPI		2098230.554			85.00	0°03′15"	42,50	0,01					3 1 32 10 11	3 1 29 03 W
	CLOTHOID	ST	245+59.22	2098174.370	6013975-526		03400	0 03 13	72,50	0401						
	CEOTHOLD	٥.	273.33122	20301142310	00133131320						1					
	TANGENT	ST	245+59.22	2098174.370	6013975.526		255.20							S 7°29'03" W		
	TANGENT	PI*	248+14.42	2097921.341	6013942.285								1			
	TANGENT	ΡΙ ×	248+14.42	2097921.341	6013942.285		613.51							S 7°27′38" W		
	TANGENT	TS		2097313.024												
	CLOTHOID	TS	254+27.93	2097313.024	6013862.624										S 7°27′38" W	S 7°23′41" W
	CLOTHOID	SPI	254+84.60	2097256.837	6013855.266		85.00	0°03′57 "	42.50	0.01						
	CLOTHOID	SC	255+12.93	2097228.740	6013851.619						<u> </u>					
	400		055.40.03	2227222 742	6017051 610											
6100	ARC	SC	255+12.93	2097228.740	6013851.619	77000 00	107.17	0000/35"			110	1.00	0.71	0000/17"		
C108	ARC ARC	PI	255+64.50	2097177.602	6050543.882	37000.00	103.13	0°09′35"			110	1.00	0.31	0°09′17"		
	ARC	CC CS	256+16 07	2097126.445	6030343.882											
	ARC	CS	230-10.07	2091120.443	6013636.466						<u> </u>					
	CLOTHOID	CS	256+16-07	2097126.445	6013838-488						1				S 7°14′06" W	S 7°10′10" W
	CLOTHOID	SPI	256+44-40	2097098.338	6013834.919		85,00	0°03′57"	42,50	0,01					3 1 14 00 11	3 1 10 10 11
	CLOTHOID	ST	257+01.07	2097042.114	6013827.847		00,00	0 00 01		5,65			1			
	TANGENT	ST	257+01.07	2097042,114	6013827.847		142.32							S 7°10′10" W		
	TANGENT	TS	258+43.39	2096900.902	6013810.085											
	CLOTHOID	TS		2096900.902											S 7°10′10" W	S 7°14′00" W
	CLOTHOID	SPI		2096844.678			85.00	0°03′51"	42.50	0.01						
	CLOTHOID	SC	259+28.39	2096816,570	6013799.445	 					1		-			
<u> </u>	ADC	60	250+20 30	2096816.570	6013700 445	 					1		-	1		
C109	ARC	SC PI	250-70 00	2096766.562	6013793,445	38000 00	100 92	0°09′07"		 	110	1,00	0.28	0°09′03"		
6109	ARC	CC	233T10.00	2101601 203	5976101 868	30000400	100402	0 03 01		 	1 110	1,00	V•20	0 09 03		
	ARC	CS	260+29.21	2096716 571	6013786.618						1					
	7110		200.23121	20307104311	30.3.001010						1					
	CLOTHOID	CS	260+29.21	2096716,571	6013786.618						l				S 7°23'07" W	S 7°26′58" W
	CLOTHOID	SPI	260+57.54	2096688,472	6013782.976		85,00	0°03′51"	42.50	0.01	<u> </u>					
	CLOTHOID	ST	261+14.21	2096632.284	6013775.629											
	TANGENT	ST		2096632,284			147.73							S 7°26′58" W		
	TANGENT	ΡΙ ×	262+61.95	2096485.796	6013756.475											
														0		
	TANGENT	PI*		2096485.796			213.04				ļ			S 7°23′09" W		
	TANGENT	PI*	264+74.99	2096274.524	6013/29.089											
	TANGENT	PI*	264174 00	2096274.524	6017700 000	<u> </u>	1523.11	 		-	1		1	S 7°26′44" W		
			/na=/a.44	/UMD//4.3/4	I DUI 3//9.UKY		12/3-11									

^{*} NOTE: ANGLE POINTS ARE NOT INTENDED FOR CONSTRUCTION. THEY ARE A "BEST FIT" REPRESENTATION OF THE EXISTING ALIGNMENT OVER LONG TANGENTS.

R	ķ	DATE	BY	CHK	APP	DESCRIPTION	DATE	***************************************
E								NOT FOR CONSTRUCTION
: L							N CHARGE	
г				-	-		1	140 VEMBER 30, 2021
ı							CHECKED BY	NOVEMBER 30, 2021
L							DRAWN BY	SET PEPD
Ē							DESIGNED BY	2021 RECORD
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CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C107 TO C109

CONTRACT NO.
HSR15-34
DRAWING NO.
TT-B0002
SCALE
NONE
CHIT NO

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 59 OF 146

		٥.				
RELY	DATE	BY	CHK	APP	DESCRIPTION	DATE
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						DRAWN BY
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						DESIGNED BY

2021 RECORD SET PEPD

NOVEMBER 30, 2021 NOT FOR

CONSTRUCTION

1111 Broadway 9th Floor Oakland, CA 94607



CALIFORNIA HIGH-SPEED TRAIN PROJEC SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C110 TO C112

W	SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 60 OF 146
CT	CONTRACT NO. HSR15-34
	DRAWING NO. TT-B0003
	SCALE NONE
	HOHE

SMEET NO.

CURVE	ELEMENT	POINT	MT2 TRACK	COOR	DINATES	R <u>ADI</u> ŲS	L <u>ENG</u> ŢH	DELTA, △	К	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00")	WCB (O	°00′00")
001172		TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DLLIA, A		·	SPEED (MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	TANGENT	ΡΙ ×	279+98.10	2094764.251	6013531.720											
	TANGENT TANGENT	PI* TS	279+98.10 303+17.20		6013531,720		2319,10							S 7°26′17" W		
	TANGENT	12	303+17.20	2092464.665	6013231.498											
	CLOTHOID	TS	303+17-20	2092464-665	6013231,498										S 7°26′17" W	S 9°13′32" W
	CLOTHOID	SPI	305+53.88	2092229.978	6013200.858		355.00	1°47′14"	177.49	0.92						
	CLOTHOID	SC	306+72.20	2092113.165	6013181.885											
	ARC	SC	306+72.20	2002113 165	6013181.885											
C110	ARC	PĪ			6013132.964	5690-14	609.71	6°08′22"			110	4,25	4,28	1°00′25"		
00	ARC	CC	000-1100		6007565.347		0001	0 00 22				.,,,,	.,,,,	. 00 25		
	ARC	CS	312+81.91	2091517.718	6013052.109											
	0.07.00.0	00	740.04.04	2024547 742	6047050 400										C 45904/54II W	C 47900/00!! #
	CLOTHOID CLOTHOID	CS SPI			6013052.109		355.00	1°47′14"	177.49	0.92					5 15 21 54 W	S 17°09′08" W
	CLOTHOID	ST	316+36.91	2091177.452	6012950.953		333400	1 77 17	111111	0.52						
	TANGENT	ST			6012950.953		1819,16							S 17°09′08" W		
	TANGENT	PI*	334+56.07	2089439.201	6012414.463											
	TANGENT	ΡĪ¥	334+56 07	2089439 201	6012414,463		1998.52				-			S 17°10′45" W		
	TANGENT	TS	354+54.58	2087529.849	6011824.176		1990.32							3 17 10 43 #		
	CLOTHOID	TS	354+54.58	2087529.849	6011824.176			.0/							S 17°10′45" W	S 16°38'16" W
	CLOTHOID CLOTHOID	SPI SC			6011804.485		100.00	0°32′30"	50.00	0.08						
	CLOINOID	30	355+54.58	2087434,218	6011794.941											
	ARC	SC	355+54.58	2087434.218	6011794.941											
C111	ARC	ΡĪ	356+33.81	2087358.305	6011772.256	5288,92	158.45	1°42′59"			65	1,00	2,20	1°05′00"		
	ARC	CC	757.47.07	2085919.906	6016862.438											
	ARC	CS	357+13.03	2087281.747	6011751.855											
	CLOTHOID	CS	357+13.03	2087281.747	6011751.855										S 14°55′16" W	S 14°22′46" W
	CLOTHOID	SPI	357+46.36	2087249.537	6011743.272		100.00	0°32′30"	50.00	0.08						
	CLOTHOID	ST	358+13.03	2087184.959	6011726,716											
	TANGENT	ST	750+17 07	2007104 050	6011726,716		287,91							S 14°22′46" W		
	TANGENT	TS	361+00-94	2086906-064	6011655.214		201.91							3 14 22 40 W		
	CLOTHOID	TS			6011655.214			-0							S 14°22'46" W	S 11°24′16" W
	CLOTHOID CLOTHOID	SPI SC	362+80-97 363+70-94		6011610.506		270.00	2°58′30"	134.99	1.17						
	CLUTHOID	3C	363+10.94	2000043.432	0011392.105											
	ARC	SC	363+70.94	2086643.432	6011592.705								1			
C112	ARC	ΡĪ	365+34.64	2086482.969	6011560.337	2600.00	326.94	7°12′19"			75	3.25	5.43	2°12′14"		
	ARC	CC	700.07.00		6014141,370											1
	ARC	CS	366+97.88	2086319.713	6011548.350											
	CLOTHOID	CS	366+97,88	2086319-713	6011548,350										S 4°11′58" W	S 1°13′28" W
	CLOTHOID	SPI	367+87.91	2086229.932	6011541.758		270.00	2°58′30"	134.99	1.17					- · · · · · · · · · · · · · · · · · · ·	
	CLOTHOID	ST	369+67.88	2086049,947	6011537.911											
	TANCENT	C T	360167.00	2006040 047	6011537.011		1711 17							C 1917/2011 W		1
	TANGENT TANGENT	ST TS	369+67.88 382+79.05		6011537.911		1311.17							S 1°13′28" W		1
	I AN JENT		302.13403	200110010	50115054054											
	CLOTHOID	TS	382+79.05		6011509.894					_					S 1°13′28" W	S 1°09′37" W
	CLOTHOID	SPI	383+35.72		6011508,683		85.00	0°03′51"	42,50	0.01						
	CLOTHOID	SC	383+64.05	2084654.097	6011508.109								<u> </u>			1

2021 RECORD

NOVEMBER 30, 2021

NOT FOR

CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE B
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C201 TO C204

	SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 61 OF 146
Г	CONTRACT NO. HSR15-34
	DRAWING NO. TT-B0051
	SCALE NONE

SEET NO.

CURVE	ELEMENT	POINT	MT2 TRACK STATION	COOR	DINATES	RADIUS	LENGTH (FT)	DELTA A	К	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	TNGT BEARING/ CHRD DEG. CV.	WCB (0°	°00′00")
CORVE	ELEMENT	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELTA, △			(MPH)	(EA) (IN)	(EA) (IN)	(0°00'00")	START ANGLE	END ANGLE
	TANGENT	POB	358+24.10		6011723.967		259.01							S 14°22′46" W		
	TANGENT	TS	360+83,11	2086923.347	6011659.645											
	CLOTHOID	TS	360+83-11	2086923.347	6011659-645						+				S 14°22′46" W	S 9°46′15" W
	CLOTHOID	SPI		2086684.327	6011598,366		370.00	4°36′31"	184.96	2,48					5 11 EE 15 W	5 5 10 15 11
	CLOTHOID	SC	364+53.11	2086562,707	6011577,422											
	ARC	SC	364+53 11	2086562,707	6011577 422						<u> </u>					
C201	ARC	PI	365+32.18	2086484.779	6011564.003	2300,00	158.08	3°56′17"			70	4,25	4,29	2°29′29"		
	ARC	CC		2086172.376	6013844.059											
	ARC	CS	366+11.18	2086406,114	6011555.967			-								
	CLOTHOID	CS	366+11-18	2086406.114	6011555-967						+				S 5°49′58" W	S 1°13′27" W
	CLOTHOID	SPI	367+34.59	2086283.343	6011543.425		370.00	4°36′31"	184.96	2,48					3 3 43 30 W	3
	CLOTHOID	ST	369+81.18	2086036.649	6011538.153											
	TANCENT	c T	760101 10	2006076 640	6011570 157		1255,79							S 1°13′27" W		
	TANGENT TANGENT	ST TS		2086036.649 2084781.149			1255.79							3 1 13 21 W		
	TAITOLITT															
	CLOTHOID	TS	382+36.97	2084781.149	6011511.324										S 1°13′27" W	S 1°08′41" W
	CLOTHOID	SPI	383+03.63	2084714.497	6011509.900		100.00	0°04′46"	50.00	0.01						
	CEOLHOID	SC	303-30.97	2004001.171	0011309,234			+		+	+	 		1		
	ARC	SC	383+36.97		6011509.234											
C202	ARC	ΡI	384+07.72	2084610,437			141.49	0°13′31"			110	0.75	0,60	0°09′33"		
	ARC	CC CS	384+78.46		6047502.051											
	ARC	C3	304-10,40	2004559.099	6011306.663											
	CLOTHOID	CS		2084539.699											S 0°55′10" W	S 0°50′23" W
	CLOTHOID	SPI		2084506.370			100.00	0°04′46"	50.00	0.01						
	CLOTHOID	ST	385+78.46	2084439.711	6011505.173						<u> </u>					
	TANGENT	ST	385+78.46	2084439,711	6011505.173		105.72							S 0°50′23" W		
	TANGENT	TS		2084334.000												
	01.0711070	T.C.	700.04.40	2004774 000	6011507.604										C 0850/07II W	C 0955/40II W
	CLOTHOID CLOTHOID	TS SPI		2084334.000			100.00	0°04′46"	50.00	0.01	+				S 0°50′23" W	S 0°55′10" W
	CLOTHOID	SC		2084234.011			100100	0 04 40	30100	0101						
C203	ARC	SC PI	387+84.18	2084234.011	6011502.112		141,49	0°13′31"			110	0.75	0,60	0°09′33"		
6203	ARC	CC	300-34.93		5975506.747		141,49	0 13 31			110	0.75	0.60	0 09 33		
	ARC	CS	389+25.68		6011499.563											
	01.0711070	00	700-05-60	0004000 570	6044400 567										C 4900/44II III	C 4947/07II W
	CLOTHOID	CS SPI	389+25.68 389+59.01	2084092.539			100,00	0°04′46"	50.00	0,01	+				S 1°08′41" W	S 1°13′27" W
	CLOTHOID	ST		2083992.561			100100	0 04 40	30100	0.01						
														0 : !!		
	TANGENT TANGENT	ST TS		2083992.561			2471.78	-		-	-			S 1°13′27" W		
	IANGENI	13	414731,40	20013214341	0011444.003						+					
	CLOTHOID	TS	414+97,46	2081521.341	6011444.665										S 1°13′27" W	S 1°08′45" E
	CLOTHOID	SPI		2081218.049			455.00	2°22′12"	227.49	1.57						· · · · · · · · · · · · · · · · · · ·
	CLOTHOID	SC	419+52.46	2081066.388	6011441.217						1					
	ARC	SC	419+52.46	2081066.388	6011441.217						<u> </u>					
C204	ARC	ΡĪ	433+76.77	2079642.368	6011469.697	5500.00	2787.34	29°02′14"			100	3.75	3.54	1°02′30"		
	ARC ARC	CC	447170.00		6016940,117			1		1						
	ARC	CS	441+39.80	2078411.166	0012185.786			+		+	+	+				
	CLOTHOID	CS		2078411,166				<u></u>							S 30°10′59" E	S 32°33′11 E
	CLOTHOID	SPI	448+91.49	2078280.040	6012262.051		455.00	2°22′12"	227.49	1.57						
	CLOTHOID	ST	451+94.80	2078024.339	6012425.283			-			1					
	TANGENT	ST	451+94.80	2078024.339	6012425.283		1844,17				+			S 32°33′11" E		
	TANGENT	TS		2076469,897			•									
	1		I		1	1		1	1	I	I					

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2021 RECORD

NOVEMBER 30, 2021 NOT FOR

CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE B
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C205 TO C207

T	CONTRACT NO. HSR15-34
	TT-B0052
	SCALE NONE
	SMEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 62 OF 146

CURVE	ELEMENT	POINT	MT2 TRACK	COOR	DINATES	R <u>ADI</u> ŲS	L <u>ENG</u> TH	DELTA, △	К	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00")	WCB (0°	°00′00")
001172		TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DLL IA, A			(MPH)	(EA) (IN)	(EA) (IN)	(TANGENT)	START ANGLE	END ANGLE
	CLOTHOID	TS	470+38.97		6013417.594										S 32°33′11" E	S 32°43′30" E
	CLOTHOID	SPI	471+38.97		6013471.402		150.00	0°10′19"	75.00	0.04						
	CLOTHOID	SC	471+88.97	2076343.544	6013498.433											
			4=4 - 0 0 0 0													
0005	ARC	<u>sc</u>	471+88.97		6013498.433		100.04	001017711			110	1.05	0.00	0947/45		
C205	ARC	PI	472+49.39	2076292,714	6013531.096	25000.00	120.84	0°16′37"			110	1,25	0,69	0°13′45"		
	ARC ARC	CC CS	473+09,81		6034530.336 6013564.005											
	ARC	C3	473-09-01	2010242,042	6013364.003											
	CLOTHOID	CS	473+09-81	2076242-042	6013564.005										S 33°00′07" E	S 33°10′25" F
	CLOTHOID	SPI			6013591.238		150.00	0°10′19"	75.00	0.04					3 33 00 0. L	3 33 .0 23 L
	CLOTHOID	ST			6013645.956			0 10 10								
	020111010															
	TANGENT	ST	474+59.81	2076116,408	6013645.956		1103,10							S 33°10′25" E		
	TANGENT	TS	485+62.91	2075193.098	6014249.549											
	CLOTHOID	TS			6014249.549										S 33°10′25" E	S 26°48′30" E
	CLOTHOID	SPI	489+44.49	2074873.709	6014458.341		572.00	6°21′55"	285.88	5.29						
	CLOTHOID	SC	491+34.91	2074703.335	6014544.435						1					
	ARC	5.0	401134 04	2074703 335	6014544.435			 		 	+		 			
C206	ARC	SC PI	491+34-91 505-15-50	2014103.335	6014544.435	2574 34	2534 30	56°24′36"		-	85	6,00	5.26	2°13′33"		
C206	ARC	CC	303-13.36	2073471.003	6012246.780	2374,34	2534.39	36 24 36			65	6,00	5.26	2 13 33		
	ARC	PCC	516+69.30	2072270-640	6014485.122											
	Aire	1 00	310103430	20122104040	00144034122											
	ARC	PCC	516+69.30	2072270.640	6014485.122						1		†			
	ARC	ΡĪ	517+63.71	2072188.558	6014438.489	2753.29	188,72	3°55′39"			85	6,00	4.52	2°04′52"		
	ARC	CC			6012091.191											
	ARC	CS	518+58.03		6014386.344											
	CLOTHOID	CS	518+58.03	2072109.863	6014386.344			-0							S 33°31′45" W	S 38°43′54" W
	CLOTHOID	SPI	520+24-82	2071970.820	6014294.211		500.00	5°12′09"	249.93	3.78						
	CLOTHOID	ST	523+58.03	2071710.680	6014085.563											
	TANGENT	ST	5231E0 V3	2071710 690	6014085.563		1138,13				1			S 38°43′54" W		
	TANGENT	PI*	534-96-16	2070822 840	6013373.461		1130.13							3 30 43 34 11		
	TANGENT	1 40	334130110	2010022.040	00133734101											
	TANGENT	ΡΪ¥	534+96.16	2070822.840	6013373-461		489,52							S 38°42′58" W		
	TANGENT	POE	539+85,68	2070440,888	6013067.284											
	TANGENT	POB			6034980.780		1521.82							S 39°51'55" E		
	TANGENT	TS	1086+21.82	2031040.925	6035956.247											
	01.07::010	T.	1000101 00	0071010 007	6075056 017										C 70954/5511 =	C 27944/00 E
	CLOTHOID	TS			6035956.247		455,00	2°40′26"	227.48	1,77	1				5 39 51 55 E	S 37°11′29" E
	CLOTHOID	SPI SC			6036150.701		455.00	2 40 26	221.48	1.77	1					
	CLOTHOID	36	1030-10-02	2030001.228	6036242.400					1			1			
	ARC	SC	1090+76-82	2030687-228	6036242,400					 	+					
C207	ARC	PI			6036599.349		1175-27	13°48′47"		 	110	5,50	4,45	1°10′31"		
320.	ARC	CC		2027740.383	6032358.880	10.000				1	1			1		
	ARC	CS	1102+52.09	2029674.792	6036833.663											
	CLOTHOID	CS			6036833.663										S 23°22′42" E	S 20°42′17" E
	CLOTHOID	SPI			6036893.857		455.00	2°40′26"	227.48	1.77						
	CLOTHOID	ST	1107+07.09	2029251,772	6037001.113					ļ	1					
	TANCENT	C T	1107+07-00	2020251 772	6037001,113		E00 71			 				S 20°42′17 " E		
	TANGENT TANGENT	ST TS			6037207.131		582.71			-	1			3 20 42 11 E		
	IMNOENI	13	1112-03-00	2020100.093	0031201-131			 		 	+		 			
	CLOTHOID	TS	1112+89-80	2028706-695	6037207-131			 		 	1		 		S 20°42′17" F	S 21°46′02" E
	CLOTHOID	SPI			6037267.235		255,00	1°03′45"	127.50	0.39						
		-									-	-	•	•		

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NOVEMBER 30, 2021 NOT FOR CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C118 TO C120

T	SAN FRANCISCO ALTERNATIVE B BOOK B4 SHEET 63 OF 146
	SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 63 OF 146
	OSE EIR/S:
	VOLUME
-	

SEET NO.

CURVE	ELEMENT	POINT	MT2 TRACK	COOR	DINATES	RADIUS	LENGTH	DELTA A	К	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00")	wcb (o	°00′00")
CORVE	ELEMENT	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELTA, △	N.	P	(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	ARC	PCC	516+83.94	2072270.640	6014485.122											
	ARC	PCC	516±03 04	2072270,640	6014495 122											
	ARC	PI	517+78.35	2072188.558	6014438.489	2753,29	188.72	3°55′39"			85	6,00	4,52	2°04′52"		
	ARC	CC		2073630.678	6012091.191											
	ARC	CS	518+72.67	2072109_863	6014386.344											
	CLOTHOID	CS	518+72.67	2072109.863	6014386.344										S 33°31′45" W	S 38°43′54" W
	CLOTHOID	SPI	520+39.46	2071970.820	6014294.211		500,00	5°12′09"	249.93	3.78						
	CLOTHOID	ST	523+72.67	2071710.680	6014085.563											
	TANGENT	ST		2071710.680			1138.13							S 38°43′54" W		
	TANGENT	PI*	535+10.80	2070822.840	6013373.461											
	TANGENT	PI*	535+10-80	2070822.840	6013373-461		3899.25							S 38°42′58" W		
EQN		ВК	540+00.32	2070440.888			0000120									
EQN	TANGENT	AHD	542+50.00	2067780.429	6010074 607											
	IANGENI	TS	5/6+59./3	2067780.429	6010934.627											
	CLOTHOID	TS	576+59.73	2067780.429	6010934.627										S 38°42′58" W	S 39°17′58" W
	CLOTHOID CLOTHOID	SPI SC		2067689.399			175.00	0°35′00"	87.50	0.15						
	CECTHOID	30	518+34,13	2007644,238	6010824.709											
	ARC	SC		2067644.258	6010824.709			.0								
C118	ARC ARC	PI CC	578+95.96		6010785.925	8594.42	122,47	0°48′59"			100	2,00	2,67	0°40′00"		
	ARC	CS	579+57.20		6010746 470											
	CLOTHOID CLOTHOID	CS SPI		2067550.044			175.00	0°35′00"	87,50	0.15					S 40°06′57" W	S 40°41′57" W
	CLOTHOID	ST		2067416.983			175.00	0 33 00	01.50	0.13						
	TANGENT TANGENT	ST TS	581+32.20	2067416.983	6010632.806		183,13							S 40°41′57" W		
	TANGENT															
	CLOTHOID	TS		2067278.143			475.00	0975/00#	07.50	0.45					S 40°41′57" W	S 40°06′57" W
	CLOTHOID CLOTHOID	SPI SC		2067189.692			175.00	0°35′00"	87.50	0.15						
6110	ARC ARC	SC		2067145.082			125.92	0°50′22"			100	2.00	2.67	0°40′00"		
C119	ARC	PI CC	585 * 53.29	2067096.932	6016972.249		125.92	0 50 22			100	2,00	2,67	0 40 00		
	ARC	CS	586+16.25	2067048.193												
	CLOTHOID	CS	506+16 25	2067048.193	6010310 200										S 39°16′35" W	C 30° /11'35" W
	CLOTHOID	SPI		2067003.037			175,00	0°35′00"	87.50	0.15					3 39 16 35 W	3 30 41 33 W
	CLOTHOID	ST	587+91.25	2066911,977	6010209,434											
	TANGENT	ST	587-01 25	2066911.977	6010209 434		699.54							S 38°41′35" W		
	TANGENT	TS		2066365.983			055.57							3 30 41 33 W		
	CLOTUOID.	TC	504100 70	2000705 007	6000770 110										C 200 41 / 25 II W	C 27917/50II W
	CLOTHOID CLOTHOID	TS SPI		2066365 . 983 2066225 . 487			270.00	1°27′45"	135.00	0.57	-			1	S 38°41′35" W	3 31 13 50 W
	CLOTHOID	SC	597+60.79	2066153.824	6009605.133											
	ARC	SC	507+60 70	2066153.824	6000605 133											
C120	ARC	P I		2066014.805			349.07	3°46′54"			100	3,25	4.33	1°05′00"		
	ARC	CC		2062953.900	6013816,209											
	ARC	CS	601+09.86	2065869.122	6009403.256	 					-			1		
	CLOTHOID	CS	601+09.86	2065869,122	6009403.256										S 33°26′56" W	S 31°59′11" W
	CLOTHOID	SPI	601+99.86	2065794.023	6009353.645		270.00	1°27′45"	135.00	0.57						
	CLOTHOID	ST	603+79.86	2065641.347	6009258,293						-			1		
	TANGENT	ST		2065641.347			119.05							S 31°59′11" W		
	TANGENT	TS		2065540.373												
	CLOTHOID	TS	604+98-91	2065540.373	6009195-230	+					-			+	S 31°59′11" W	S 32°38′49" W
	CLOTHOID	SPI	606+22.24	2065435,764	6009129,897		185,00	0°39′38"	92,50	0,18						3 52 55 75 11
	CLOTHOID	SC	606+83.91	2065383.840	6009096.630	I					1					

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C124

MT2 TRACK

STATION

607+40.60

607+97.29

2021 RECORD SET PEPD

NOT FOR

CONSTRUCTION

375.00 1°33′45" 187.50



SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C121 TO C124

Т	CONTRACT NO. HSR15-34
	TT-BOOO6
	SCALE

NONE

SEET NO.

CALIFORNIA HIGH-SPEED TRAIN PROJEC

1°04′54"

1°02′09"

0°58′43"

S 0°38′58" W

1°35′38'

S 23°26'29" E

0°50′00"

S 2°06'23" W S 0°38'58" W

S 0°38′58" W S 3°20′05" E

S 19°27'25" E S 23°26'29" E

S 23°26′29" E S 25°00′14" E

S 28°15′15" E S 29°49′00" E

5.66

5.27

4.79

5.16

4.06

VOLUME

TRACK ALIGNMENT DATA SUMMARY TABLE - FJ SB TRACK BEARING (0°00′00") (TANGENT) UNBALANCED WCB (0°00'00") RADIUS LENGTH SUPERELEVATION SPEED SUPERELEVATION DELTA, △ (MPH)(EA) (IN) (EU) (IN) START ANGLE END ANGLE 8025.00 113.38 0°48′34" 3.00 0°42′50" 100 2.00 S 33°27′23" W S 34°07′01" W 185.00 0°39′38" 92.50 0.18 S 34°07′01" W 248.31 S 34°07′01" W S 32°16′28" W 340.70 1°50′33" 170.34 0.91

3.50

6.00

3.00

110 3.50

0.63

2.90

2.90

0.85

0.85

110

100

110

1027.45 10°38′36" 110 3.50

628+26.24 2063515.414 6008065.535

628+26.24 2063515.414 6008065.535 633+41.45 2063027.398 6007900.347 5531.07 2061742.037 6013304.607 638+53.69 2062517.269 6007828.134

CC PCC ARC ARC PCC PI 638+53.69 2062517.269 6007828.134 ARC 641+57,98 2062215,981 6007785,485 2061696,715 6013624,771 608.03 5°57′03" ARC ARC CC ARC CS 2061911.894 6007774.301

COORDINATES

2065383.840 6009096.630 2065336.104 6009066.047

2069713.011 6002339.493

2065288.806 6009034.793

EASTING

NORTHING

607+97.29 2065288,806 6009034.793

608+58.95 2065237.356 6009000.795 609+82.29 2065135.248 6008931.619

609+82.29 2065135.248 6008931.619 612+30.60 2064929.674 6008792.347

612+30.60 | 2064929.674 | 6008792.347

614+57.74 2064741.621 6008664.945

615+71.30 2064645.591 6008604.297

615+71.30 2064645.591 6008604.297

644+61.72 2061911.894 6007774.301 645+60.96 2061812.717 6007770.653 CLOTHOID CS 297.71 1°27′25" 148.85 CLOTHOID CLOTHOID 647+59.43 2061614.247 6007768.403

647+59.43 2061614.247 6007768.403 TANGENT 2025,56 662+50.02 2060123.753 6007751.505 665+00.00 EQN EQN BK AHD TANGENT TS 670+34,97 2059588,813 6007745,440

670+34.97 2059588.813 6007745.440 673+68.39 2059255.417 6007741.660 CLOTHOID SPI 500.00 3°59′04" 249.96 CLOTHOID CLOTHOID 675+34.97 2059088.956 6007751.360 675+34.97 2059088.956 6007751.360 ΔRC

ARC 680+44.12 2058580.670 6007780.978 2059298.082 6011340.272 1011.54 16°07′19" C123 3595.00 ARC 685+46.51 2058100.598 6007950.574 ARC CS 685+46.51 2058100.598 6007950.574 CLOTHOID SPI CLOTHOID 687+13.25 | 2057943.377 | 6008006.115 500.00 3°59′04" 249.96 690+46.51 2057637.477 6008138.752 CLOTHOID ST

> 690+46.51 2057637.477 6008138.752 716+18.02 2055278.202 6009161.719 716+18.02 2055278.202 6009161.719 718+68.03 2055048.826 6009261.176 719+93.02 2054935.533 6009314.014 SPI SC

719+93,02 2054935.533 6009314.014 721+88.09 2054758.738 6009396.469 6875.55 2057841.674 6015545.188 723+83.06 | 2054586.904 | 6009488.815

725+08.07 2054476.789 6009547.992 727+58.06 2054259.875 6009672.303

NOVEMBER 30, 2021

2571.51

375.00 1°33′45"

390.05 3°15′01"

187,50

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2021 RECORD

NOVEMBER 30, 2021 NOT FOR

CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C125 TO C128

_	CONTRACT NO.
'	HSR15-34
	DRAWING NO.
	TT-B0007
	SCALE
	NONE
	SMEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 65 OF 146

						1117	CI ALION	MENI DAIA	JUNINALL	IADEL		INACK				
CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COOR	EASTING	RADIUS (FT)	LENGTH (FT)	DELTA, △	К	Р	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00'00") (TANGENT)	WCB (O	OO'OO") END ANGLE
	TANCENT	6.	707.50.00				074 70				(117	(24) (111)	(20) (111)		START ANGLE	END ANGLE
	TANGENT	ST	727+58.06		6009672.303		231.30							S 29°49′00" E		
	TANGENT	TS	729+89.36	2054059.191	6009787.313											
	01.0711010		700.00 70	0054050 404											C 009 40/00U F	C 30904/00U E
	CLOTHOID	TS	729+89-36	2054059.191	6009787.313			2015/2011	70.00						S 29°49′00" E	S 30°04'02" E
	CLOTHOID	SPI			6009833.721		140.00	0°15′02"	70,00	0.05						
	CLOTHOID	SC	731+29.36	2053937.826	6009857.102											
	ARC	SC	731+29.36	2053937.826	6009857,102											
C125	ARC	PI	732+05.67		6009895.334	16000.00	152.62	0°32′47"			110	1.50	1.53	0°21′29"		
	ARC	CC		2061954.094	6023704.103											
	ARC	CS	732+81.98	2053806.112	6009934.194											
	CLOTHOID	CS			6009934.194										S 30°36′50" E	S 30°51′52" E
	CLOTHOID	SPI			6009957.959		140.00	0°15′02"	70.00	0.05						
	CLOTHOID	ST	734+21.98	2053685.834	6010005.840											
	TANGENT	ST			6010005.840		110.16							S 30°51′52" E		
	TANGENT	TS	735+32.14	2053591.275	6010062.353											
	CLOTHOID	TS	735+32.14	2053591.275	6010062.353										S 30°51′52" E	S 30°36′50" E
	CLOTHOID	SPI	736+25.47	2053511.159	6010110.234		140.00	0°15′02"	70.00	0.05						
	CLOTHOID	SC			6010133.999											
	ARC	SC	736+72.14	2053470.997	6010133.999											
C126	ARC	ΡI	737+46.74	2053406.796	6010171.988	16000.00	149.19	0°32′03"			110	1.50	1.53	0°21′29"		
	ARC	CC		2045323.015	5996364.090											
	ARC	CS	738+21.33	2053342,245	6010209,376											
	CLOTHOID	CS	738+21.33	2053342.245	6010209.376										S 30°04'46" E	S 29°49′44" E
	CLOTHOID	SPI	738+68.00	2053301.863	6010232.766		140,00	0°15′02"	70,00	0,05						
	CLOTHOID	ST	739+61.33	2053220.895	6010279.191											
	TANGENT	ST	739+61.33	2053220.895	6010279.191		2187.15							S 29°49'44" E		
	TANGENT	TS	761+48.49	2051323.509	6011367.104											
	CLOTHOID	TS	761+48.49	2051323.509	6011367.104										S 29°49'44" E	S 31°07′44" E
	CLOTHOID	SPI	763+21-82	2051173,136	6011453.324		260.00	1°18′00"	130.00	0.49						
	CLOTHOID	SC	764+08.49	2051098-945	6011498,130											
	ARC	SC	764+08.49	2051098.945	6011498.130											
C127	ARC	ΡI	766+78.29		6011637.608	5730.00	539.20	5°23′30"			100	2,75	4.25	1°00′00"		
	ARC	CC			6016403.053											
	ARC	CS	769+47.69	2050651.165	6011798.171											
	CLOTHOID	CS			6011798.171										S 36°31′14" E	S 37°49′13" E
	CLOTHOID	SPI	770+34.36	2050581.513	6011849,750		260.00	1°18′00"	130.00	0.49						
	CLOTHOID	ST	772+07.69	2050444.587	6011956.039											
	TANGENT	ST			6011956.039		2410.79							S 37°49′13" E		
	TANGENT	TS			6013434.305											
	CLOTHOID	TS			6013434.305										S 37°49′13" E	S 37°21′06" E
	CLOTHOID	SPI			6013507.887		180.00	0°28′08"	90.00	0.12						
	CLOTHOID	SC	797+98.47	2048397.728	6013544,290											
	ARC	SC			6013544.290											
C128	ARC	ΡI	799+08.41		6013610.986	11000.00	219.85	1°08′43"			110	2.00	2,41	0°31′15"		
	ARC	CC		2041723.979	6004800.087											
	ARC	CS	800+18.33		6013675.921											
	CLOTHOID	CS			6013675.921										S 36°12′23" E	S 35°44′16" E
	CLOTHOID	SPI	800+78.33	2048173.224	6013711.363		180.00	0°28′08"	90.00	0.12						
	CLOTHOID	ST	801+98.33	2048075.819	6013781.453											

2021 RECORD

NOVEMBER 30, 2021 NOT FOR CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C129 TO C131

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 66 OF 146
CONTRACT NO. HSR15-34
TT-BOOO8
TT-BOOO8 SCALE NONE
SMEET NO.

						IRA	CK ALIUN	MENI DAI	JUNIMAR	ADLE -	0 30	INACK				
CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COOR	DINATES	RADIUS (FT)	LENGTH (FT)	DELTA, △	К	Р	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00′00") (TANGENT)	WCB (O°	°00'00") END ANGLE
	TANGENT	ST	801+98.33		6013781 453		644.56				(117	(24) (14)	(20) (111)	S 35°44′16" E		END ANGLE
	TANGENT	TS	808+42-89		6014157.924		011230				 		 	3 33 44 10 L	+	
											,				1	
	CLOTHOID	TS												1	S 35°44′16" E	S 36°12′23" E
	CLOTHOID	SPI	809+62-89		6014228.014		180,00	0°28′08 "	90.00	0.12						
	CLOTHOID	SC	810+22.89	2047406.811	6014263.456					 '	 '		<u> </u>			
	ARC	SC	010+22 00	2047406.811	6014263 456					 '	 		 			
C129	ARC	PI	811+32-82	2047318.108	6014203,430	11000.00	219.85	1°08′43"			110	2,00	2.41	0°31′15"	 	
0,23	ARC	CC	011132102		6023139.290	11000200	213103	1 00 45			110	2100		0 31 13	1	
	ARC	CS	812+42.74	2047230.721												
	CLOTHOID	CS	812+42.74	2047230.721	6014395.087			0000/00#	22.22	<u> </u>	 /				S 37°21′06" E	S 37°49′13" E
	CLOTHOID	SPI S T	813+02-74	2047183.025 2047088.232	6014431.490		180.00	0°28′08"	90.00	0.12						
	CLOTHOID	51	814+22.74	2047088.232	6014505.072								 	+	 	
	TANGENT	ST	814+22.74	2047088.232	6014505-072		1576.46				 			S 37°49′13" E	 	
	TANGENT	TS		2045842.926												
	CLOTHOID	TS		2045842.926				30 - 4/"	0.42.6=						S 37°49′13" E	S 41°24′05" E
	CLOTHOID	SPI		2045579.559			500.00	3°34′52"	249.97	2.60	 /					
	CLOTHOID	SC	834+99.21	2045454,497	6015786.441	 		—				 	 	+	 	
	ARC	SC	834+99.21	2045454,497	6015786 441						 		 	 		
C130	ARC	PI	840+95.11	2045007.514	6016180.529	4000.00	1183.07	16°56′48"			105	6.00	5.05	1°25′57"	1	
	ARC	CC		2048099.816	6018786.823						,					
	ARC	CS	846+82.28		6016687.791											
											 '					0 / 11
	CLOTHOID	CS	846+82.28		6016687.791		500.00	7974/5011	040.07	2.60	 /				S 58°20′53" E	S 61°55'45" E
	CLOTHOID CLOTHOID	SPI ST	848+49.01 851+82.28	2044607,317	6016829,719		500.00	3° 34′52"	249,97	2,60			 	+	 	
	CLOTHOID	31	031-02.20	20444301430	6017123.902						 		 	+	 	
	TANGENT	ST	851+82,28	2044450,430	6017123.902		1040.80				 			S 61°55′45" E	1	
	TANGENT	TS	862+23.08		6018042.266									_		
	CLOTHOID	TS		2043960.668	6018042.266			0007/478	50.50	<u> </u>	 '		<u> </u>		S 61°55′45" E	S 61°48′31" E
	CLOTHOID CLOTHOID	SPI SC	862+93.08	2043911.193	6018104.032		105.00	0°07′13"	52.50	0.02			 			
	CECTHOID	30	863-28.08	2043911.193	6018134,880						 		 	 		
	ARC	SC	863+28.08	2043911-193	6018134.880						 			 	1	
C131	ARC	ΡĪ	864+69.30	2043844,478	6018259.350	25000.00	282,44	0°38′50"			110	1,25	0,69	0°13′45"		
	ARC	CC			6006324.465											
	ARC	CS	866+10.52	2043776.360	6018383.058					 '	 /					
	CLOTHOID	CS	066110 53	2043776.360	6010303.050										C 61°00'41" F	S 61°02′28" E
	CLOTHOID	SPI		2043779.478			105,00	0°07′13"	52,50	0.02	 		 	+	3 61 09 41 E	3 61 02 26 E
	CLOTHOID	ST		2043725.585			.03400	0 0, 10	52,50	0.02	 		<u> </u>	 		
	TANGENT	ST		2043725.585			222.94							S 61°02'28" E		
	TANGENT	ΡΙ ×	869+38.46	2043617.641	6018670.031								<u> </u>			<u> </u>
	TANCENT	ΡΙ ×	060+70 40	2043617,641	6019670 071		1082,63			 '	 /	 		S 61°01′30" E		<u> </u>
	TANGENT TANGENT	PI*	880+21 00	2043617.641	6019617 140		1082.63						+	2 01 01 30 E	 	
	IANOENI	1 17	000-21-05	2073093101	30130171140						 		†			
	TANGENT	Ρ Ι *		2043093,187			393,23							S 60°59′05" E		
	TANGENT	PI*		2042902.454												
	TANGENT	PI*		2042902.454			345.09				 '			S 61°04′33" E		<u> </u>
	TANGENT	ΡΙ ×	887+59.41	2042735.549	6020263.072			-			 /	<u> </u>	+	+		
	TANGENT	PI¥	887+59.41	2042735.549	6020263.072		1691.72				 		+	S 61°02′16" E		
	TANGENT	PI×		2041916.359			1031412				 		 	3 01 02 10 E		
	TAMOENT	PI*	904+51.13	2041916.359	6021743-224	Ι	1162.95				T 7			S 61°01'49" E		
	TANGENT	LIX	50.55	20113101333	002					١ .			1		1	

2021 RECORD SET PEPD

NOVEMBER 30, 2021 NOT FOR

CONSTRUCTION





CAUFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C132

CONTRACT NO. HSR15-34
DRAWING NO.
TT-B0009
NONE
SEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 67 OF 146

CURVE	ELEMENT	POINT	MT2 TRACK	COOR	DINATES	RADIUS	LENGTH	DELTA, △	К	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00")	WCB (O	°00′00")
CORVE	ECEMENT	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELIA, A	K		(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	TANGENT	ΡΙ ×	916+14.08	2041353.090	6022760.659											
	TANCENT	DIV	016+14 00	2041757 000	6022760 650		909.09							C 61°02'27" F		
	TANGENT TANGENT	PI* PI*		2041353.090 2040918.251			898.08							S 61°02′27" E		
	TANOLINI	110														
	TANGENT	ΡΙ ×	925+12.16	2040918,251	6023546,450		1093.77							S 61°02′10" E		
	TANGENT	PI*	936+05.93	2040388.586	6024503.412											
	TANGENT	PI*	936+05-93	2040388,586	6024503,412		1199.85							S 61°01′50" E		
	TANGENT	PI*		2039807.446												
	T.11105117		0.10.05.70											0.01900/078		
	TANGENT TANGENT	PI*		2039807.446			977.51							S 61°02′27" E		
	TANGENT	- Iv	951+05•29	2039334.146	0020408423											
	TANGENT	ΡΙ ×	957+83.29	2039334.148	6026408.423		1445.58							S 61°01′34" E		
	TANGENT	Ρ Ι *	972+28.87	2038633.893	6027673.071											
	TANGENT	PI*	972+28.87	2038633.893	6027673.071		450.63							S 60°59′57" E		
	TANGENT	PI*		2038415.420			430203							3 00 39 31 L		
	TANGENT	PI*	976+79.49	2038415.420	6028067.194		992.35							S 61°01′27" E		
	TANGENT	PI*	986+71-85	2037934,684	6028935.329											
	TANGENT	PI*	986+71.85	2037934.684	6028935.329		508,62							S 61°00′50" E		
	TANGENT	PI¥	991+80.46	2037688,210	6029380.234											
	TANCENT	DIV	001100 46	2077600 210	6000300 034		267.25							C C1902/21 F		
	TANGENT TANGENT	PI* PI*		2037688.210			267.25							S 61°03′31" E		
	TANOLINI	1 10	334141211	20313301003	00230141110											
	TANGENT	PI*		2037558.883			326.03							S 61°00′22" E		
	TANGENT	PI*	997+73.74	2037400.851	6029899.280											
	TANGENT	PI*	997+73 74	2037400.851	6029899 280		330,57							S 60°58′32 " E		
	TANGENT	TS	1001+04.31	2037240.466	6030188.331		330131							3 00 30 32 &		
	CLOTHOID	TS	1001+04.31	2037240.466	6030188.331		543.00	3°04′45"	271.47	2,43					S 60°58′32 " E	S 57°53'47" E
	CLOTHOID CLOTHOID	SPI SC	1004+66.36	2037064.804	6030504.917		543.00	3 04 45	211.41	2.43						
	020111012				0000001202											
	ARC	SC	1006+47.31	2036968.584	6030658.282			-0						. 0 / - = !!		
C132	ARC ARC	PI CC	1007+72.04	2036902.295	6030763.942	5051.85	249,41	2°49′44"			100	3,50	4,44	1°08′03"		
	ARC	PCC	1008+96-72	2036830.872	6030866-202											
	ARC	PCC		2036830.872			074.51	0005/50			4.5.5	3.55		0055/2011		
-	ARC ARC	PI CC	1010+12.64	2036764.495	6030961.236		231.81	2°07′30"		-	100	3,50	2.92	0°55′00"		
	ARC	PCC	1011+28.53	2036694.641	6031053.744											
	ARC	PCC	1011+28.53	2036694.641	6031053.744	5600.00	1150 50	11970/40"			100	7.50	7.55	1900/05!!		
	ARC ARC	PI CC	1017+08.81	2036344.954	6031516.829		1156.56	11-38-40"			100	3,50	3.55	1°00′25"		
	ARC	CS	1022+85.09	2035908.997												
	CLOTHOID	CS		2035908.997			200 22	1907/75"	1.45.00	0.00					S 41°17′54" E	S 39°50′19" E
-	CLOTHOID CLOTHOID	SPI S T		2035836.368			290.00	1°27′35"	145.00	0.62						
	CECTHOID	J1	1023-13-09	2033001,912	0032001400											
	TANGENT	ST		2035687.912			748.74							S 39°50′19" E		
	TANGENT	TS	1033+23.83	2035112.986	6032567-131											
	CLOTHOID	TS	1033+23-83	2035112.986	6032567-131					 					S 39°50′19" F	S 39°39′04" E
	CLOTHOID	SPI		2035087.391			50.00	0°11′15"	25,00	0,01					5 55 50 15 L	5 55 55 67 1
	CLOTHOID	SC		2035074.558												

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TRACK ALIGNMENT DATA SUMMARY TABLE - FJ SB TRAC

CURVE	ELEMENT	POINT	MT2 TRACK	COOR	DINATES	RADIUS	LENGTH	DEL TA A	к	Р	DES[GN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00")	WCB (O	°00′00")
CORVE	ELEMENT	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELTA, △		F	(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	ARC	SC	1033+73.83	2035074.558	6032599•121											
C133	ARC ARC	PI CC	1034+49.35	2035016.415	6032647.309 6026717.131	7639.49	151.03	1°07′58"			79	0,50	2.78	0°45′00"		
	ARC	CS	1035+24.86		6032694.338											
	CLOTHOID	CS			6032694.338										S 38°31′06" E	S 38°19′51" E
	CLOTHOID CLOTHOID	SPI ST			6032704.717		50.00	0°11′15"	25,00	0,01						
	TANGENT	ST			6032725,390		97.11							S 38°19′51" E		
	TANGENT	TS			6032785.619		97.11							3 36 19 31 E		
	CLOTHOID	TS	1036+71,97	2034841.963	6032785,619										S 38°19′51" E	S 38°34′26" E
	CLOTHOID CLOTHOID	SPI SC	1037+05.30	2034815.815	6032806.292 6032816.684		50.00	0°14′35"	25.00	0.02						
C134	ARC ARC	SC PI	1037+21.97	2034802.785	6032816.684 6032850.313	5894,42	107,86	1°02′55"			79	0,50	3,75	0°58′19"		
	ARC ARC	CC CS	1038+29.83		6037424.974 6032884.708											
															C 70977/00# F	C 30°54/55!! 5
	CLOTHOID CLOTHOID	CS SPI	1038+46.50	2034706.238	6032884.708 6032895.337		50.00	0°14′35"	25.00	0.02					S 39°37′20" E	5 39°51 55 E
	CLOTHOID	ST	1038+79.83	2034680.653	6032916.703											
	TANGENT TANGENT	ST			6032916.703 6035981.528		4781.43							S 39°51′55" E		
		TS														
	CLOTHOID CLOTHOID	TS SPI	1086+61.26 1089+64.63	2031010,652	6035981,528 6036175,982		455.00	2°40′26"	227.48	1,77					S 39°51′55" E	S 37°11′29" E
	CLOTHOID	SC		2030656.955												
	ARC	SC	1091+16.26	2030656.955	6036267.681			0								
C135	ARC ARC	PI CC	1097+14.92		6036629.558 6032384.161	4875.00	1191.33	14°00′07"			110	5,50	4.45	1°10′31"		
	ARC	CS	1103+07.59	2029629.764	6036865.294											
	CLOTHOID	CS			6036865.294			29.42/24							S 23°11′23" E	S 20°30′57" E
	CLOTHOID CLOTHOID	SPI ST			6036925.029		455.00	2°40′26"	227.48	1.77						
	TANGENT	ST	1107+62-59	2029206-195	6037031,349		624.40							S 20°30′57 " E		
	TANGENT	TS			6037250.180		024140							3 20 30 31 2		
	CLOTHOID	TS			6037250.180										S 20°30′57" E	S 21°33′42" E
	CLOTHOID CLOTHOID	SPI SC			6037308.826		251.00	1°02′45"	125.50	0.38						
C136	ARC ARC	SC PI		2027810.683	6037339.574 6037567.253	6875.00	1235.71	10°17′54"			110	3.00	4.06	0°50′00"		
	ARC ARC	CC CS	1128+73.70	2030913,444	6043733.477 6037894.270											
	CLOTHOID	cs			6037894,270										S 31°51'36" F	S 32°54′22" E
	CLOTHOID	SPI	1129+57.37	2027213.429	6037938.435		251.00	1°02′45"	125.50	0.38					3 31 31 30 €	3 32 37 22 6
	CLOTHOID	ST			6038029.343											
	TANGENT TANGENT	ST TS			6038029.343 6038433.574		744.08							S 32°54′22" E		
															C 20054/00# 5	C 30016/50II 5
	CLOTHOID CLOTHOID	TS SPI	1140+35.45	2026308.309	6038433.574 6038524.119		250.00	0°37′30"	125,00	0,23					5 32 54 22 E	S 32°16′52" E
	CLOTHOID	SC	1141+18.78	2026237.855	6038568.625											
64.23	ARC	SC	1141+18.78	2026237.855	6038568,625	11450 40	100.70	0030/34#			440	3.00	1.04	0970/0011		
C137	ARC ARC	PI CC		2020117.816	6038597.566 6028880.584		108.38	0°32′31"			110	3.00	1.24	0° 30′00"		
	ARC	CS	1142+27.16	2026145.958	6038626.072											

CHECKED BY DESCRIPTION

2021 RECORD SET PEPD

NOVEMBER 30, 2021 NOT FOR CONSTRUCTION







CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C133TO C137

CONTRACT NO. HSR15-34
DRAWING NO.
TT-B0010
SCALE NONE
SMEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 68 OF 146

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2021 RECORD

NOVEMBER 30, 2021 NOT FOR

CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE B
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C205 TO C207

T	CONTRACT NO. HSR15-34
	TT-B0052
	SCALE NONE
	SMEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 69 OF 146

CURVE	ELEMENT	POINT	MT2 TRACK	COOR	DINATES	RADIUS	LENGTH	DELTA, △	К	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00")	WCB (O	°00′00")
CONVE	LCLMLINI	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELIA, A	K	'	(MPH)	(EA) (IN)	(EA) (IN)	(TANGENT)	START ANGLE	END ANGLE
	CLOTHOID	TS	470+38.97		6013417.594										S 32°33′11" E	S 32°43′30" E
	CLOTHOID	SPI	471+38.97		6013471.402		150.00	0°10′19"	75.00	0.04						
	CLOTHOID	SC	471+88.97	2076343.544	6013498.433											
	100		474.00.07	0070747.544	6047400 477											
6205	ARC	SC	471+88.97	2076343.544	6013498.433 6013531.096	25000.00	120.04	0°16′37"			110	1.25	0.00	0°13′45"		
C205	ARC ARC	PI CC	472+49.39		6034530.336		120,84	0 16 37			110	1,25	0.69	0 13 45		
	ARC	CS	473+09.81		6013564.005											
	AILC		473.03401	20102421042	0013304,003											
	CLOTHOID	CS	473+09.81	2076242.042	6013564.005										S 33°00′07" E	S 33°10′25" E
	CLOTHOID	SPI	473+59.81	2076200.110			150.00	0°10′19"	75.00	0.04						
	CLOTHOID	ST	474+59.81	2076116.408	6013645.956											
	TANGENT	ST	474+59.81	2076116,408	6013645.956		1103.10							S 33°10′25" E		
	TANGENT	TS	485+62.91	2075193.098	6014249.549											
	CLOTHOID	TS	485+62.91	2075193.098	601/12/19 5/19										C 33°10'25" E	S 26°48′30" E
	CLOTHOID	SPI	489+44.49	2074873.709	6014249.349		572.00	6°21′55"	285.88	5.29					3 33 10 23 E	3 20 40 30 E
	CLOTHOID	SC	491+34.91		6014544.435		3.2100	0 21 33	203100	J=23	1					
			.554.51	2000.000	30544.133	1										
	ARC	SC		2074703.335												
C206	ARC	ΡĪ	505+15.56	2073471.083			2534.39	56°24′36"			85	6.00	5.26	2°13′33"		
	ARC	CC		2073542.285	6012246.780											
	ARC	PCC	516+69.30	2072270.640	6014485.122											
	400		546-60 70	0070070 640	604 4405 400											
	ARC ARC	PCC	516+69.30		6014485.122		188,72	3°55′39"			0.E	6.00	4.52	2°04′52"		
	ARC	PI CC	517+63.71		6014438.489		188.12	3 33 39			85	6,00	4.52	2 04 52		
	ARC	CS	518+58.03		6014386.344											
	Aire		310.30103	20121034003	00143001344											
	CLOTHOID	CS	518+58.03	2072109.863	6014386.344										S 33°31′45" W	S 38°43′54" W
	CLOTHOID	SPI		2071970.820			500.00	5°12′09"	249.93	3.78						
	CLOTHOID	ST	523+58.03	2071710.680	6014085,563											
	TANGENT	ST		2071710.680			1138.13							S 38°43′54" W		
	TANGENT	PI*	534+96.16	2070822,840	6013373.461						<u> </u>					
	TANGENT	PI*	534+96,16	2070822.840	6013373 461	-	489,52				<u> </u>			S 38°42′58" W		
	TANGENT	POE		2070440.888			709432							3 30 42 30 W		
	TAITOLITT	. 0	333.03.00	20101101000	00130011201											
	TANGENT	POB	1071+00.00	2032209,006	6034980.780		1521.82							S 39°51'55" E		
	TANGENT	TS	1086+21.82	2031040.925	6035956.247											
	CLOTHOID	TS		2031040.925			455.00	00 40 (00"	007.10		ļ				S 39"51'55" E	S 37°11′29" E
	CLOTHOID	SPI		2030808.074			455.00	2°40′26"	227.48	1.77	1					
	CLOTHOID	SC	1090+76.82	2030687.228	0030242.400											
	ARC	SC	1090+76-82	2030687.228	6036242-400	+					 			 		
C207	ARC	PI		2030216.820			1175-27	13°48′47"			110	5,50	4.45	1°10′31"		
	ARC	CC			6032358,880			10 10 11			1		.,,,,			
	ARC	CS	1102+52.09	2029674.792												
	CLOTHOID	CS		2029674.792				-0							S 23°22′42" E	S 20°42′17" E
	CLOTHOID	SPI		2029535.547			455.00	2°40′26"	227.48	1.77						
	CLOTHOID	ST	1107+07.09	2029251,772	6037001.113	 					 					
	TANGENT	ST	1107+07.00	2029251.772	6037001 113		582,71	-			1			S 20°42′17 " E		
	TANGENT	TS		2029251.772			302.11							3 20 42 17 E		
	INTOE		1112103400	20201004033	30312014131						1					
	CLOTHOID	TS	1112+89.80	2028706.695	6037207.131										S 20°42′17" E	S 21°46′02" E
	CLOTHOID	SPI		2028547.671			255.00	1°03′45"	127,50	0.39						

BY CHK APP DESCRIPTION

2021 RECORD SET PEPD

CHECKED BY

NOVEMBER 30, 2021 NOT FOR

CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE B
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C208 TO C211

IR/S: VOLUME II	T	SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III C 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
_		IR/S: VOLUME III
_		

SEET NO.

,				2000	DIMATEC		. =			1	DESIGN	ACTUAL	UNBALANCED	BEARING	WOD /0	900/00)
CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION		DINATES	RADIUS (FT)	LENGTH (FT)	DELTA, △	K	Р	SPEED	SUPERELEVATION	SUPERELEVATION	(0°00′00")		°00′00")
				NORTHING	EASTING	(1.17	(1.1)				(MPH)	(EA) (IN)	(EA) (1N)	(TANGENT)	START ANGLE	END ANGLE
ļ	CLOTHOID	SC	1115+44.80	2028468.729	6037298.757											
	400	66	1115144 00	2020460 720	6077000 757											
C208	ARC ARC	SC PI		2028468,729 2027905,853		6875.00	1209.05	10°04′34"			110	3.00	4.06	0°50′00"		
C200	ARC	cc	1121130203		6043683.559		1203203	10 07 37			110	3.00	7.00	0 30 00		
	ARC	CS	1127+53.85	2027390,982												
	CLOTHOID	CS	1127+53.85	2027390.982	6037843.291			. 0 / 11							S 31°50′36" E	S 32°54′21" E
ļ	CLOTHOID	SPI S T		2027318.772			255.00	1°03′45"	127.50	0.39						
—	CLOTHOID	31	1130+06.65	2027176.044	6037960.495											
	TANGENT	ST	1130+08-85	2027176.044	6037980.495		3244.62							S 32°54′21" E		
	TANGENT	TS														
ļ	CLOTHOID	TS		2024451.979				0000/07							S 32°54′21" E	S 33°20′48" E
ļ	CLOTHOID CLOTHOID	SP I SC		2024340.037			200,00	0°26′27"	100,00	0.13						-
-	CLOTHOLD	30	1164753,47	2024284,346	6039832.233											
	ARC	SC	1164+53.47	2024284.346	6039852.255			 								
C209	ARC	ΡI	1166+13.01	2024151-073	6039939.955	13000.00	319.06	1°24′22"			110	2.25	1.49	0°26′27"		
	ARC	CC		2031430.494	6050711.931											
ļ	ARC	CS	1167+72.53	2024019,992	6040030,899											
	CLOTHOID	CS	1167470 53	2024019.992	6040030 800			-			1				C 3/0/5/11" F	S 35°11′37" E
	CLOTHOID	SPI	1168+39 20	2023965,217	6040030.899		200,00	0°26′27"	100,00	0.13					3 34 43 II E	3 33 11 31 E
—	CLOTHOID	ST		2023856.255			200.00	0 20 21	100,00	0,13						
	TANGENT	ST		2023856.255			1272.32							S 35°11′37" E		
ļ	TANGENT	TS	1182+44.85	2022816.508	6040879.036											<u> </u>
	CLOTHOID	TS	1102±44 05	2022816.508	6040979 036			+							C 35°11'37" E	S 37°01′54" E
	CLOTHOID	SPI		2022612.195			375.00	1°50′17"	187.49	1.00					3 33 11 31 E	3 37 01 34 2
	CLOTHOID	SC	1186+19.85	2022512,397	6041098.419		3.3100	. 50								
	ARC	sc	1186+19.85	2022512.397	6041098,419			.0						.0.=./		<u> </u>
C210	ARC ARC	P <u>I</u> CC	1189+45,34	2022252,554	6041294.450	5845.00	650,31	6°22′29"			110	4,50	3,80	0°58′49"		
 	ARC	CS	1192+70-16	2022016.083												
	AILC	- 03	1132110110	2022010	00413104113			<u> </u>								
	CLOTHOID	CS		2022016.083											S 43°24′23" E	S 45°14′40" E
	CLOTHOID	SPI		2021925,262			375.00	1°50′17"	187,49	1,00						
\vdash	CLOTHOID	ST	1196+45.16	2021749.231	6041781.562											
	TANGENT	ST	1196+45 16	2021749,231	6041781 562	 	449,47	+						S 45°14′40" E		
	TANGENT	TS		2021432.768			77,71	 						J 7J 17 70 E		
	CLOTHOID	TS	1200+94.62	2021432,768	6042100.737										S 45°14′40" E	S 45°40′10" E
<u> </u>	CLOTHOID			2021352.971			170.00	0°25′30"	85.00	0.11						
 	CLOTHOID	SC	1202+64.62	2021313,372	6042221.752											-
 	ARC	SC	1202+64-62	2021313.372	6042221-752			 				 	 			
C211	ARC	PI	1205+25.40	2021131.145	6042408.287	11459,19	521.45	2°36′26"			110	2.00	2,24	0°30′00"		
	ARC	CC		2029510.351	6050229.410											
	ARC	CS	1207+86.08	2020957.592	6042602.919											
—	CLOTHOID	CC	1207+06 00	2020957.592	6042602 010			 							C 40°16'36" F	S 48°42′06" E
	CLOTHOID	CS SP I		2020957.592			170.00	0°25′30"	85,00	0,11					3 40 10 30 E	3 40 42 00 E
	CLOTHOID	ST		2020845.080				0 23 30	00100							
	TANGENT	ST	1209+56.08	2020845.080	6042730.359		2451.34					<u> </u>	<u> </u>	S 48°42′06" E		

2	REV	DATE	BY	CHK	APP	DESCRIPTION	DATE	
2								
:[IN CHARGE	
L							CHECKED BY	
ì							DRAWN BY	
Ì							DESIGNED BY	Ī
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2021 RECORD SET PEPD

NOVEMBER 30, 2021 NOT FOR

CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE B
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C212 TO C215

-	CONTRACT NO.
•	HSR15-34
	DRAWING NO.
	TT-B0054
	SCALE
	NONE
	SEET NO

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 71 OF 146

						1110	CK ALIGH	MENI DAI	- JOININAIN	I IADEE	. 0 30	INACK				
CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COOR	DINATES	RADIUS (FT)	LENGTH (FT)	DELTA, △	К	Р	DES[GN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00")	WCB (O	°00′00")
		TYPE	STATION	NORTHING	EASTING	(F1)	(FT)	522, _			(MPH)	(EA) (IN)	(EA) (IN)	(TANGENT)	START ANGLE	END ANGLE
	TANGENT	TS	1234+07.42	2019227.245	6044572.008											
	CLOTHOID	TS	1234+07.42	2019227.245	6044572,008			-0.45/55#			<u> </u>			ļ	S 48°42'06" E	S 47°59′08 E
	CLOTHOID	SPI	1235+74.08	2019117.248	6044697.222		250.00	0°42′58"	125.00	0.26						
	CLOTHOID	SC	1236+57-42	2019061.470	6044759.138											
	ARC	SC	1236+57 //2	2019061.470	6044759 138											
C212	ARC	PI	1240+56-52	2018794.341	6045055 664	10000 00	797,79	4°34′16"			110	2,75	2,10	0° 34′23"		
0212	ARC	СС	1240.30.32	2011631.724	6038065.942	10000.00	131413	7 57 10			1	2,173	2410	0 37 23		
	ARC	CS	1244+55.20	2018504.429	6045329.958											
	CLOTHOID	CS		2018504.429											S 43°24′52" E	S 42°41′54" E
	CLOTHOID	SPI		2018443.895			250.00	0°42′58"	125.00	0.26						
	CLOTHOID	ST	1247+05-20	2018321.405	6045500.255											
			1017.05.00				7445 74									
	TANGENT	ST	1247+05.20	2018321.405	6045500.255		3145.39				1			S 42°41′54" E		
	TANGENT	TS	1278+50.59	2016009,747	6047633.259											
	CLOTHOID	TS	1270-50 50	2016009,747	6047633 250						+			+	S 42° 41'54" E	S 43°38′34" E
	CLOTHOID	SPI	1280+17 26	2015887-256	6047746 284		250,00	0°56′40"	125.00	0.34	+			+	3 42 41 34 6	3 43 36 34 E
	CLOTHOID	SC		2015826.950			230100	0 30 40	123100	0.57						
	SECTION	30	1201100439	20130204330	50415054196						†			†		
	ARC	SC	1281+00-59	2015826.950	6047803.798											
C213	ARC	PI	1282+37.63	2015727.783	6047898.375	7583.32	274.04	2°04′14"			110	3,00	3,40	0°45′20"		
	ARC	CC			6053291.528											
	ARC	CS	1283+74.63	2015632.097	6047996.473											
	CLOTHOID	CS		2015632.097											S 45°42′48" E	S 46°39'28" E
	CLOTHOID	SPI		2015573.908			250.00	0°56′40"	125,00	0.34						
	CLOTHOID	ST	1286+24.63	2015459•513	6048177.342						<u> </u>					
	TANCENT	6.	1006104.63	2015450 543	6040477 740		040.45				<u> </u>			C 46970/00" F		
	TANGENT TANGENT	ST TS		2015459.513			248.15				+			S 46°39′28" E		
	TANGENT	13	1200-12,10	2013269,194	6046357.613						<u> </u>					
	CLOTHOID	TS	1288+72 78	2015289.194	6048357 813						+			+	S 46°39′28 " E	S 45°56'29" E
	CLOTHOID	SPI		2015174 800			250.00	0°42′58"	125.00	0.26					3 70 33 20 L	3 43 30 23 L
	CLOTHOID	SC	1291+22.78	2015116.850	6048538.912		200,00	0 12 00	. 20,00	0,20						
	0_0111010		1201 22110													
	ARC	SC	1291+22,78	2015116.850	6048538.912											
C214	ARC	ΡI		2014900.482	6048762.509	10000.00	622.09	3°33′51"			110	2.75	2.10	0°34′23"		
	ARC	CC			6041584.981											
	ARC	CS	1297+44.87	2014670.633	6048972.223											
											ļ					- 44 9 - 0 / - 0 II =
	CLOTHOID	CS		2014670-633	6048972.223		250,00	0°42′58"	125.00	0,26	 			+	S 42°22′38" E	5 41 39 39 E
	CLOTHOID CLOTHOID	SPI S T	1298+28-20	2014609.071			250.00	0 42 58	125,00	0.26	+		-	+		
	CEOLHOID	31	1633734.01	2014404.035	0049139.119						+			+		
	TANGENT	ST	1299+94-87	2014484.555	6049139-179		1530.67				 			S 41°39′39" E		
	TANGENT	TS		2013341.007			. 550401				†			5 55 55 <u>L</u>		
					5000.001040						1			1		
	CLOTHOID	TS	1315+25.53	2013341.007	6050156.646						1				S 41°39′39" E	S 41°34′57" E
	CLOTHOID	SPI	1315+92-20	2013291.201	6050200.961		100,00	0°04′43"	50.00	0.01						
	CLOTHOID	SC		2013266.267												
	ARC	SC	1316+25.53	2013266,267	6050223.084			20.61==1								
C215	ARC	PI	1316+82.10	2013223.954			113.14	0°10′39"			110	1.00	0.33	0°09′25"		
	ARC	CC	1717.70 67		6022921.039						 			1		
	ARC	CS	1317+38,67	2013181.525	6050298.041						 			+		
	CLOTHOID	CS	1317430 67	2013181.525	6050209 041						+		-	+	S 41°24'19" E	S 41°19′35" E
	CLOTHOID	SPI		2013156.523			100.00	0°04′43"	50,00	0,01	1			1	3 41 24 10 E	3 41 19 33 E
	CLOTHOID	ST	1318+38-67	2013106.459	6050364-110		100400	0 04 43	30100	0401	+			+		
	320.11010	٠.		20.5.00.755	50505041110						1			1		
	TANGENT	ST	1318+38.67	2013106.459	6050364.110		1581.24				1			S 41°19′35" E		
								•		•	•		-	<u> </u>		

2021 RECORD SET PEPD

NOVEMBER 30, 2021 NOT FOR

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CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE B
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C216 TO C218

T	CONTRACT NO. HSR15-34
	TT-B0055
	SCALE NONE

SEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 72 OF 146

CUBVE	FLEMENT	POINT	MT2 TRACK	COOR	DINATES	RADIUS	LENGTH	DEL TA A	V	P	DESIGN	ACTUAL	UNBALANCED	BEARING (0°00′00")	WCB (O	°00′00")
CURVE	ELEMENT	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELTA, △	K		SPEED (MPH)	SUPERELEVATION (EA) (IN)	SUPERELEVATION (EA) (IN)	(TANGENT)	START ANGLE	END ANGLE
	TANGENT	TS	1334+19.91		6051408.275											
	CLOTHOID	TS	1334+19.91	2011919,014	6051408,275			0074/074							S 41°19′35" E	S 40°45′12" E
	CLOTHOID	SPI		2011818.886			200.00	0°34′23"	100.00	0.17	-					
	CLOTHOID	SC	1336+19.91	2011768_384	6051539,843						-					
	ARC	SC	1336+19.91	2011768.384	6051539.843						+					
C216	ARC	ΡΙ	1336+77.46	2011724.785	6051577,414	10000.00	115,11	0°39′34"			110	2,25	2,60	0°34′23"		
	ARC	CC		2005240.333	6043964.583											
	ARC	CS	1337+35.01	2011680.756	6051614.482											
	CLOTHOID	CS	1 7 7 7 + 7 5 0 1	2011680.756	6051614 492						 				C 40°05'30" E	S 39°31′15" E
	CLOTHOID	SPI	1337-33-01	2011629,757	6051614.462	-	200.00	0° 34′23"	100.00	0.17	+		<u> </u>		3 40 03 36 E	3 39 31 13 E
	CLOTHOID	ST	1339+35-01	2011526.904	6051742-267		200.00	0 34 23	100100	0.17						
	0_00		, , , , , , , , , , , , , , , , , , , ,	20110201001	0001112											
	TANGENT	ST		2011526.904			370.16							S 39°31′15 E		
	TANGENT	TS	1343+05.17	2011241.363	6051977.824											
	CLOTUOTO	TC	1747105 17	2011241 767	6051077.004					-	-				C 70971/15!! F	C 40°05'70" F
	CLOTHOID	TS SPI	1343105.17	2011241.363	6051911.824		200,00	0° 34′23"	100.00	0.17	+				2 39 31 12 E	S 40°05′38" E
	CLOTHOID	SC		2011087.511			200.00	0 34 23	100.00	0.17	+					
	CLOTHOLD	30	1343103111	20110014511	0032103											
	ARC	SC	1345+05.17	2011087.511	6052105.609											
C217	ARC	ΡĪ	1345+62.81	2011043,421			115.27	0°39′38"			110	2.25	2.60	0°34′23"		
	ARC	CC	4746.00.44	2017527,934	6059755.507											
	ARC	CS	1346+20.44	2010999.763	6052180.352						-					
	CLOTHOID	CS	1346+20.44	2010999.763	6052180.352						+				S 40°45′16" E	S 41°19′38" E
	CLOTHOID	SPI		2010949.261			200,00	0°34′23"	100.00	0.17					3 10 13 10 2	3 11 13 30 2
	CLOTHOID	S T	1348+20.44	2010849,134	6052311.922											
	TANGENT	ST	1348+20.44	2010849.134	6052311.922		4175.93				-			S 41°19′38" E		
	TANGENT	TS	1389+96.38	2007713,218	6055069,540					+	+					
	CLOTHOID	TS	1389+96.38	2007713,218	6055069.540						+				S 41°19′38" E	S 41°48′17" E
	CLOTHOID	SPI		2007613.091			200.00	0°28′39"	100,00	0,14						
	CLOTHOID	SC	1391+96.38	2007563.396	6055202.028											
	400		1701.06 70	2007567 706	6055000 000	ļ		 			 					ļ
C218	ARC ARC	SC PI	1391+96.38	2007563.396	6055202.028	12000 00	17/13 0/	8°19′34"			110	2,25	1.79	0°28′39"		
C218	ARC	CC	1400-09-03	2015562 520	6055784.270	12000400	1143.84	0 19 34		+	110	2,23	1.19	0 28 39		
	ARC	CS	1409+40.21	2006352.385	6056454.660											
	CLOTHOID	CS	1409+40.21	2006352.385	6056454.660			-0							S 50°07′52" E	S 50°36′30" E
	CLOTHOID	SPI	1410+06.88	2006309.649	6056505.828		200.00	0°28′39"	100.00	0.14	-					
	CLOTHOID	ST	1411+40-21	2006225.033	6056608.872			+			1					
	TANGENT	ST	1411+40-21	2006225.033	6056608-872		757.09	+			+			S 50°36′30" E		
	Tangent	PI*	1419+32.33	2005722.341	6057221.044						1			5 50 50 50 E		
	Tangen+	PI*		2005722.341			1691.53							S 50°35′11" E		
	TANGENT	POE	1419+97.30	2005681.091	6057271.238										<u> </u>	1

MT2 TRACK STATION

CURVE

ELEMENT

2021 RECORD SET PEPD

RADIUS (FT)

COORDINATES

NORTHING EASTING

LENGTH (FT)

NOVEMBER 30, 2021 NOT FOR

CONSTRUCTION



1111 Broadway 9th F**l**oor Oak**l**and, CA 94607



CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C154 TO C156

T	CONTRACT NO. HSR15-34 DRAWING NO. TT-B0015 SCALE NONE
	SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 73 OF 146

SEET NO.

					EASTING						(MFH)	(EA) (IN)	(EO) (IN)	(TANGENT) START ANGLE	END ANG
	TANGENT	ST		2010921.582			3394.48							S 41°19′38" E	
	TANGENT	ΡΙ ×	1381+41.92	2008372.502	6054520.083										
	TANGENT	PI*	1381+41.92	2008372.502	6054520.083		1181.71							S 41°18′37" E	
	TANGENT	TS	1393+23.64	2007484.863	6055300.173										
	CLOTHOID	TS	1393+23 64	2007484.863	6055300 173									S 41°18′37" E	S 42°15'3
	CLOTHOID						300.00	0°57′00"	150,00	0,41	 		+	3 41 10 31 E	3 72 13 3
	CLOTHOID	SPI	1393-23-64	2007334,632	6055432.202		300.00	0 57 00	150,00	0.41					
	CLOTHOID	SC	1396+23.64	2007260.620	6055499,453										
	ARC	SC	1396+23.64	2007260.620	6055499.453					1					
54	ARC	PΙ	1402+08-52	2006827.746	6055892.790	9046.75	1168.14	7°23′54"			110	2.50	2.86	0°38′00"	
	ARC	CC		2013344.549	6062194.937	'									
	ARC	CS	1407+91-78	2006449.123	6056338-591										
	7.1.10			20001104120											
_	CLOTHOID	CS	1407-01 79	2006449.123	6056339 501						-		+	S 49°39′30" E	S 50° 36"
		SPI	1400-01-70	2000445.125	6056414 013		300,00	0°57′00"	150,00	0.41	-		-	3 49 39 30 E	3 30 30 .
	CLOTHOID		1408-91 78	2006384,387	6056566 300		300.00	0 57 00	150,00	0.41					
	CLOTHOID	ST	1410+91.78	2006257.462	6056569.380	'					ļ				
	TANGENT	ST	1410+91.78	2006257.462	6056569.380		843.22			1				S 50°36′30" E	
	TANGENT	PI*	1419+35.00	2005722.341	6057221,044										
		_									<u> </u>				
	TANGENT	ΡΙ ×	1419+35-00	2005722.341	6057221-044		1691.53				j i			S 50°35′11" E	
N		BK		2005681.091				 			 			- 35 55	
N N			1425-00-00	2003001.091	30312114230	<u>'</u>		 					 	+	
	TANCELIT	AHD	1425+00.00	2004646 365	6050507.000			 			 		1	+	+
	TANGENT	ΡΙ ×	1441+26.56	2004648.369	6058527.890	'		ļ						1	_
					1										1
	TANGENT	ΡΙ ×	1441+26.56	2004648.369	6058527.890		1204.31							S 50°35′42 " E	
	TANGENT	ΡΙ ×	1453+30.87	2003883.874	6059458.435										
	TANGENT	PI¥	1453+30.87	2003883.874	6059458-435		2953.67							S 50°35′14" E	
	TANGENT	PI*	1482-84 54	2002008.584	6061740 417	+	2333101				 			3 30 33 11 2	
-+	TANGENT	- 17	1402104134	20020001304	0001770177					$\overline{}$	 		+	+	_
	TANCENT	DIV	1400.04.54	2002000 504	6061740 417		4706.07							C 50934/50" F	
	TANGENT	PI*	1482+84.54	2002008.584	6061740.417		4796.03							S 50°34′52" E	
	TANGENT	ΡΙ ×	1530+80.57	1998963.177	6065445.466										
	TANGENT	ΡΙ ×	1530+80.57	1998963.177	6065445.466		1052.30			1				S 50°35′36" E	
	TANGENT	ΡΙ ×	1541+32.87	1998295.152	6066258.537										
	TANGENT	PI₩	1541+32.87	1998295.152	6066258-537	,	627,19							S 50°31′50" E	
	TANGENT	PI¥	1547+60 06	1997896.470	6066742 704		02.14.15								
	TAITOLITT		1541100100	13310304110	00001421104								 	+	
	TANGENT	PI*	1547160 06	1997896.470	6066742 704		499.90				 		+	S 50°35′56" E	_
							499.90						-	3 30 33 36 E	
	TANGENT	TS	1552+59.95	1997579,161	6067128.986)									
															
	CLOTHOID	TS	1552+59.95	1997579,161	6067128.986)								S 50°35′56" E	S 50°37′4
	CLOTHOID	SPI	1553+13.29	1997545.308	6067170.198	}	80,00	0°01′47"	40,00	0.00					
	CLOTHOID	SC	1553+39.95	1997528.392	6067190.812										
					1						į i				
	ARC	SC	1553+39.95	1997528,392	6067190.812			1					1	1	1
55	ARC	PI		1997493 384			110.38	0°04′56"			110	0.50	0.13	0°04′28"	+
-	ARC	CC	1000100114		6116035.346		110130	0 07 30			 ''' 	0.50	V•13	0 07 20	+
-+			1554.50 27				-	 					+	+	+
	ARC	CS	1554+50.33	1997458.437	000/2/6.189	'							 	1	
															L
	CLOTHOID	CS		1997458,437										S 50°42′39" E	S 50°44′
	CLOTHOID	SPI	1554+77.00	1997441.551	6067296.828		80.00	0°01′47"	40.00	0.00					
	CLOTHOID	ST	1555+30.33	1997407.799	6067338.123										
-	TANGENT	ST	1555+30.33	1997407.799	6067338-123		873.62							S 50°44′26" E	
	TANGENT	TS		1996854.946			0.0102	 			 		 	5 30 33 E0 E	
-+	MINOEINI	13	1304-03-93	1990034,940	3000014.554	+		-					 	+	+
-+	CLOTUCIO	T.C.	1504:03.05	1000051010	6060644 554						 		+	0.50944/00#.5	C 500 40/
	CLOTHOID	TS		1996854.946				-0			Ļļ			S 50°44′26" E	5 50 42
	CLOTHOID	SPI	1564+57.28	1996821,194	6068055.849	<u> </u>	80,00	0°01′47"	40,00	0.00					
	CLOTHOID	SC	1564+83.95	1996804.308	6068076.488										
	ARC	SC	1564+83-95	1996804,308	6068076-488									1	
56	ARC	PI		1996752.000			165.21	0°07′23"			110	0.50	0.13	0°04′28"	†
-	ARC	CC	1303100133		6019317.330		103121	0 01 23			''	0130	1	0 07 20	1
			1566.40.10	1006600 554	6069204 040			-					-	1	+
		CS	1300+49.16	1996699.554	0008204.242	1									
\Rightarrow	ARC														

TRACK ALIGNMENT DATA SUMMARY TABLE - FJ SB TRACK

DES[GN SPEED (MPH)

ACTUAL SUPERELEVATION (EA) (IN)

UNBALANCED SUPERELEVATION (EU) (1N)

BEARING (0°00′00") (TANGENT)

WCB (0°00'00")

START ANGLE END ANGLE

icarson	REV	DAT
9/12		
9/12/2021		
9:6		

REV	DATE	BY	CHK	APP	DESCRIPTION	
						DATE
						IN CHARGE
						CHECKED BY
<u> </u>						DRAWN BY
						DESIGNED BY

2021 RECORD

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
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C157 TO C160

•	CONTRACT NO. HSR15-34
	TT-B0016
	SCALE NONE
	SMEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 74 OF 146

						IRA	CK ALIGN	MENI DAI	A SUMMAR	I IADLE						
CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION		DINATES	RADIUS (FT)	LENGTH (FT)	DELTA, △	К	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00′00")		°00′00")
				NORTHING	EASTING	(1.17					(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	CLOTHOID CLOTHOID	SPI S T	1566+75.82 1567+29.16		6068224.844		80.00	0°01′47"	40.00	0.00						
	CLOTHOID	31	1301-29.10	1990040.141	6068266.032											
	TANGENT	ST	1567+29.16	1996648.741	6068266.032		2912.35							S 50°33′29" E		
	TANGENT	TS	1596+41.51	1994798.537	6070515.147											
	CLOTHOID	TS	1506141 51	1004700 E37	6070515.147										S 50° 33′29" E	C EO 30'44" F
	CLOTHOID	SPI	1596+94-84	1994764-654	6070556.335		80.00	0°02′45"	40.00	0,01					3 30 33 29 E	3 30 30 44 E
	CLOTHOID	SC	1597+21.51	1994747.696	6070576.915											
C157	ARC ARC	SC PI	1597+21.51	1994747.696	6070576,915	50000 00	123 70	0°08′30"			110	0.75	0,22	0°06′53"		
C157	ARC	CC	1391-03.30		6038781.224	30000200	123.10	0 00 30			110	0.73	0122	0 00 33		
	ARC	CS	1598+45,21		6070672,287											
			1500.15.01	100100001	4070470 007										5 50000/1 /II 5	6 509+0/00H =
	CLOTHOID CLOTHOID	CS SPI	1598+45.21	1994668,914	6070672.287		80,00	0°02′45"	40.00	0,01					S 50°22′14 " E	S 50°19'29" E
	CLOTHOID	ST			6070733.874		80.00	0 02 43	40.00	0201						
	TANGENT	ST	1599+25.21	1994617.856	6070733.874		356.43							S 50°19′29" E		
	TANGENT	TS	1602+81.64	1994390,298	6071008.208											
	CLOTHOID	TS	1602+81-64	1994390,298	6071008.208										S 50°19′29" E	S 50°22′14" F
	CLOTHOID	SPI	1603+34.97	1994356,248	6071049.257		80.00	0°02′45"	40.00	0.01						
	CLOTHOID	SC	1603+61.64	1994339,240	6071069.796											
	ARC	SC	1603+61-64	1004330 240	6071069.796									 		
C158	ARC	PI	1604+22-56	1994300.381	6071116.719	50000-00	121.85	0°08′23"			110	0.75	0,22	0°06′53"		
0.00	ARC	CC		2032848.461	6102960.858			0 00 20				01,0	7122			
	ARC	CS	1604+83.49	1994261.636	6071163.737											
	CLOTHOID	CS	1604-03 40	1004261 636	6071163.737										S 50°30′36 " E	C 50°33′21" €
	CLOTHOID	SPI	1605+10.15	1994244.677	6071184.317		80,00	0°02′45"	40,00	0,01					3 30 30 30 E	3 30 33 21 E
	CLOTHOID	ST	1605+63.49	1994210.793	6071225.503											
	TALLOCAL		4605-67-40	4004040 707	6074005 507		0776 60							0.50977/04#.5		
	TANGENT TANGENT	ST PI*	1605+63-49	1994210-793	6071225.503 6073060.836		2376.62							S 50°33′21" E		
	TANOLINI	110	1023140111	19921001000	00130001030											
	TANGENT	ΡΙ ×			6073060.836		833.97							S 50°33′57" E		
	TANGENT	PI*	1637+74.08	1992171.139	6073704.957											
	TANGENT	PI*	1637+74.08	1992171.139	6073704.957		2284.85							S 50° 32′54" E		
	TANGENT	PI¥			6075469 224		2204103							3 30 32 34 2		
	TANGENT TANGENT	PI* TS			6075469,224		1706.23							S 50°33′43" E		
	TANGENT	13	1011-05.10	1909033,407	6076766.965											
	CLOTHOID	TS			6076786.965										S 50°33′43" E	S 49°32′19" E
	CLOTHOID	SPI			6076915.686		250.00	1°01′23"	125.00	0.37						
	CLOTHOID	SC	1680+15.16	1989475.452	6076979.092											
	ARC	SC	1680+15.16	1989475.452	6076979.092									1		
C159	ARC	PΙ		1989370.403	6077102.256	7000.00	323.70	2°38′58"			110	3,00	3.94	0°49′07"		
	ARC	CC	1607-70 05		6072436.550											
—	ARC	CS	1683+38.85	1989259,774	6077220.432											
	CLOTHOID	CS	1683+38-85	1989259.774	6077220.432									 	S 46°53′21 " E	S 45°51′58" E
	CLOTHOID	SPI	1684+22.19	1989202.821	6077281.270		250.00	1°01′23"	125.00	0.37						
	CLOTHOID	ST	1685+88.85	1989086.763	6077400.891											
	TANGENT	ST	1685+88-85	1989086-763	6077400.891	 	180.56							S 45°51′58" E		
	TANGENT	TS			6077530.479		. 30130							, , , , , , , , , , , , , , , , , , ,		
	CLOTHOID	TS			6077530.479		260.00	1 006 (40)	170.00	0.40					S 45°51′58" E	S 46°58′40" E
	CLOTHOID CLOTHOID	SPI SC			6077654.885 6077718.248		260.00	1°06′42"	130.00	0.42				+		
	320111010	30														
	ARC	SC			6077718.248			-0								
	ARC	PΙ	1691+80.10	1988678.383	6077828.420		301.34	2°34′37"			110	3,00	4.24	0°51′19"		
C160	ARC	CC		1003670 405	6082289.540											

$\overline{}$	DATE	BY	CHK	APP	DESCRIPTION	DATE
						IN CHARGE
						CHECKED BY
╝						DRAWN BY
						DESIGNED BY

2021 RECORD

NOVEMBER 30, 2021 NOT FOR CONSTRUCTION







CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C161 TO C163

•	CONTRACT NO. HSR15-34
	TT-BOO17
	SCALE NONE
	SEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 75 OF 146

						IIIA	CK ALIGN	MENI DAI	A SUMMAN	I IADLE	- FJ 3D	INACK				
CUBVE	FLEMENT	POINT	MT2 TRACK	COOR	DINATES	RADIUS	LENGTH (FT)	DEL TA A	V	Р	DESIGN	ACTUAL	UNBALANCED	BEARING (0°00′00")	wcb (o	°00′00")
CURVE	ELEMENT	POINT TYPE	STATION	NORTHING	EASTING	RADIUS (FT)	(FT)	DELTA, △	_ ^		SPEED (MPH)	SUPERELEVATION (EA) (IN)	SUPERELEVATION (EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	ARC	CS	1693+30.75	1988580.623							,	1207 1207	1227 (127)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	START AROLL	END ANGLE
	CLOTHOID CLOTHOID	CS SPI		1988580,623 1988524,398			260.00	1°06′42"	130,00	0.42	-				S 49°33′17" E	S 50°39′59" E
	CLOTHOID	S T		1988414.532			200,00	1 06 42	130.00	0.42						
	TANGENT	ST		1988414.532			836.48							S 50°39′59" E		
	TANGENT	TS	1704-27.23	1987884.341	60/8/90.125											
	CLOTHOID		1704+27.23	1987884.341	6078790.125										S 50°39′59" E	S 51°46′41" E
	CLOTHOID	SPI	1706+00.57	1987774,474	6078924.196		260,00	1°06′42"	130,00	0.42						
	CLOTHOID	SC	1706+87.23	1987720.851	6078992.285						-					
	ARC	SC	1706+87,23	1987720.851	6078992,285											
C161	ARC	PI	1708+25.43	1987635.343	6079100.861	6700.00	276.36	2°21′48"			110	3.00	4.24	0°51′19"		
	ARC	CC CS	1700+67 50	1992984.509 1987554.386	6083137.632											
	ARC	US.	1709703.59	1907554,500	6019212.610											
	CLOTHOID	CS	1709+63.59	1987554.386	6079212.870										S 54°08′29" E	S 55°15′12" E
	CLOTHOID	SPI		1987503.616			260.00	1°06′42"	130.00	0.42						
	CLOTHOID	ST	1712+23.59	1987404.822	6079425.540						-					
	TANGENT	ST	1712+23.59	1987404.822	6079425.540		261.87							S 55°15′12" E		
	TANGENT	TS	1714+85.46	1987255.570	6079640.712											
	CLOTHOID	TS	1714205 46	1987255.570	6070640 712									1	S 55°15′12 " E	S 54°09'30" F
	CLOTHOID	SPI		1987255.570			260.00	1°06′42"	130,00	0,42	 				5 55 15 12 E	5 54 08 29 E
	CLOTHOID	SC		1987106.006			200100	1 00 12	130100	0142						
C162	ARC ARC	SC PI		1987106.006 1987025.373			275.26	2°21′14"			110	3,00	4,24	0°51′19"		
C162	ARC	CC	1710-03411		6075928.620		213.20	2 21 14			110	3,00	4.24	0 51 19		
	ARC	CS	1720+20.72	1986940.227	6080073.097											
	01.0711010	00	4700100 70	1005010 007	6000077.007										C 549 47/45 5	C 50940/33II 5
	CLOTHOID CLOTHOID	CS SPI	1720+20-72	1986940,227 1986886,614	6080073.097		260,00	1°06′42"	130.00	0.42	-				S 51°47′15" E	5 50°40°33° E
	CLOTHOID	ST	1722+80.72	1986776.770	6080275 284		200100	1 00 42	130,00	0142						
	TANGENT TANGENT	ST PI*	1722+80.72	1986776.770 1986433.321	6080275.284		541.97							S 50°40′33" E		
	TANGENT	- F1W	1120-22-09	19004334321	6060694.557											
	TANGENT	PI¥	1728+22.69	1986433.321	6080694.537		2074.35							S 50°39′16" E		
	TANGENT	PI*	1748+97.04	1985118.192	6082298.707											
	TANGENT	PI*	1748+97-04	1985118.192	6082298-707		1678.96				 			S 50°40′05" E		
	TANGENT	PI*		1984054.041			1010130							3 30 40 03 E		
	TANGENT TANGENT	PI*		1984054.041 1983479.762			905.87				-			S 50°39′28" E		
	IANGENT	- 174	1117701,01	1903719,102	00072914931											
	TANGENT	PI*		1983479.762			602,21							S 50°41'41" E		
	TANGENT	P I *	1780+84.08	1983098,292	6084763.917						 					
	TANGENT	PI*	1780+84-08	1983098,292	6084763-917		1262,63				 			S 50°40′12" E		
	TANGENT	TS		1982298.056			. 202100							3 33 40 12		
	01.051:015		1707.10.71	1000000	5005745 555										C F09 40/: 0" 5	C F0904/47 =
	CLOTHOID CLOTHOID		1793+46.71	1982298.056 1982234.677	6085817.921	-	150,00	0°18′25"	75,00	0,07				-	S 50°40′12 " E	5 50 21 47" E
	CLOTHOID	SC	1794+96.71	1982202.781	6085856.426		130400	0 10 23	. 5,500	3,07				1		
C163	ARC ARC	SC		1982202.781 1982147.020			174.82	0°42′56"			110	1.75	1.71	0°24′33"		
6163	ARC	CC	1795+84.12		6085923.741		114.82	0 42 56			110	1.75	1,11	0 24 33		
	ARC	CS	1796+71.53	1982090.423												
	CLOTHOID CLOTHOID	CS SPI		1982090,423 1982058,049			150.00	0°18′25"	75.00	0.07	 				S 49°38′51" E	5 49°20'26" E
	CLOTHOID			1982058.049			130400	0 10 23	13,00	0.07						
	TANGENT	ST	1798+21.53	1981992.893	6086104.318		107.34							S 49°20′26" E		

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NOVEMBER 30, 2021

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CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C164 TO C167

T	CONTRACT NO. HSR15-34
	TT-B0018
	SCALE NONE

SEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 76 OF 146

								MENI DATA								
		POINT	MT2 TRACK	COOR	DINATES	RADIUS	LENGTH				DESIGN SPEED (MPH)	ACTUAL	UNBALANCED	BEARING (0°00'00") (TANGENT)	WCB (O	°00′00")
CURVE	ELEMENT	POINT TYPE	STATION			- ``(FT)	LENGTH (FT)	DELTA, △	K	Р	SPEED	SUPERELEVATION	SUPERELEVATION	(0°00′00'')		
				NORTHING	EASTING	, , , ,	(,				(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	TANGENT	TS	1799+28.87	1981922.955	6086185.745											
	CLOTHOID	TS		1981922.955											S 49°20′26" E	S 49°38′51" E
	CLOTHOID	SPI	1800+28.87	1981857.799	6086261.605		150.00	0°18′25"	75.00	0.07						
	CLOTHOID	SC	1800+78.87	1981825,424	6086299.709											
	ARC	SC	1800+78.87	1981825.424	6086299.709											
C164	ARC	ΡĮ	1801+64.21	1981770.170			170.67	0°41′55"			110	1,75	1.71	0°24′33"		
	ARC	CC		1992494.496	6095364.525											
	ARC	CS	1802+49.54	1981715.712	6086430.444											
	CLOTHOID	CS	1802+49.54	1981715.712	6086430.444										S 50°20′46" E	S 50°39′11" E
	CLOTHOID	SPI	1802+99.54	1981683.804	6086468,940		150,00	0°18′25"	75,00	0,07						
	CLOTHOID	ST	1803+99.54	1981620.403	6086546.272											
	TANGENT	ST	1803+99.54	1981620.403	6086546,272		1390.86							S 50°39′11" E		
	TANGENT	ΡΙ ×			6087621 853											
	TANGENT	ΡΙ×		1980738,577			1294.55							S 50°40′11" E		
	TANGENT	TS		1979918.103												
	CLOTHOID	TS	1830+84.95	1979918.103	6088623.193										S 50°40′11" E	S 50°53′19" E
	CLOTHOID	SPI	1831+71-62	1979863.174	6088690.231		130.00	0°13′09"	65.00	0.04						
	CLOTHOID	SC	1832+14.95		6088723.854											
	ARC	SC	1832+14.95	1979835.838	6088723.854											
C165	ARC	ΡĪ	1833+35.08	1979760,060	6088817.062	17000,00	240.25	0°48′35"			110	1,50	1.35	0°20′13"		
	ARC	CC			6099447.940											
	ARC	CS	1834+55.20	1979685,606	6088911.331											
	CLOTHOID	CS	1834+55.20	1979685.606	6088911.331										S 51°41′54" E	S 51°55′03" E
	CLOTHOID	SPI		1979658.748			130.00	0°13′09"	65,00	0.04						
	CLOTHOID	ST	1835+85-20	1979605.292	6089013.555											
	TANGENT	ST	1835+85-20	1979605,292	6089013.555		120.36							S 51°55'03" E		
	TANGENT	TS	1837+05.56	1979531.054	6089108.294									_		
	CLOTHOID	TS	1837+05.56	1979531,054	6089108.294										S 51°55′03" E	S 51°36′38" E
	CLOTHOID	SPI	1838+05.56	1979469.374	6089187.007		150,00	0°18′25"	75.00	0.07						
	CLOTHOID	SC	1838+55.56		6089226.197											
	ARC	SC	1838+55.56	1979438.324	6089226.197											
C166	ARC	ΡĪ	1839+35.53	1979388.663	6089288.878	14000.00	159.94	0°39′16"			110	1,75	1,71	0°24′33"		
	ARC	CC		1968465.013	6080532.151											
	ARC	CS	1840+15.50		6089350.988											
	CLOTHOID	CS	1840+15.50	1979338.288	6089350.988										S 50°57′22" E	S 50°38′57" E
	CLOTHOID			1979306,792			150.00	0°18′25"	75,00	0.07						
	CLOTHOID			1979243.385												
	TANGENT	ST	1841+65.50	1979243.385	6089467.149		3523.89				l			S 50°38′57" E		
	TANGENT	TS		1977008.997									1			
						†										
	CLOTHOID	TS	1876+89_39	1977008,997	6092192-092	 		 			İ		1	1	S 50°38′57" E	S 50°35′42" E
	CLOTHOID	SPI		1976973.067			85.00	0°03′15"	42.50	0.01	l					
	CLOTHOID	SC		1976955.081							l					
					322220.1200											
	ARC	SC	1877+74.39	1976955.081	6092257-803	†					l					
C167	ARC	ΡĪ		1976921.383			106,17	0°08′07"			110	1,00	0.08	0°07′38"		
	ARC	CC			6063691.866						1		1,			
	ARC	CS	1878+80-55	1976887.589	6092339.757			<u> </u>			İ		1	1		
								<u> </u>			İ		1			
	CLOTHOID	CS	1878+80.55	1976887.589	6092339.757	1		†					1		S 50°27′35" E	S 50°24'20" E
	CLOTHOID	SPI		1976869.551			85,00	0°03′15"	42.50	0,01	l					
	CLOTHOID	ST		1976833.435							l					
						1										
	- I		-	•	-					-	-	-	•	-	•	-

2021 RECORD SET PEPD

NOVEMBER 30, 2021 NOT FOR

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CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C168 TO C171

HSR15-34
TT-B0019
SCALE NONE

SMEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 77 OF 146

		POINT	MT2 TRACK	COOR	DINATES	RADIUS	LENGTH				DES[GN	ACTUAL	UNBALANCED	BEARING (0°00′00")	WCB (O	°00′00")
CURVE	ELEMENT	POINT TYPE	STATION		EASTING	- ``(F†)	(FT)	DELTA, △	K	P	SPEED (MPH)	SUPERELEVATION (EA) (IN)	SUPERELEVATION (EU) (IN)	(0°00′00") (TANGENT)		
	TANGENT	ST	1070+65 55	NORTHING 1976833.435			224.00				(MFH)	(EA) (IN)	(EO) (IN)	S 50°24′20" E	START ANGLE	END ANGLE
	TANGENT	TS		1976690 614			224.09			+				5 50 24 20 E		
	TANGENT	13	1001+09104	19700901014	00923111949	<u> </u>										
	CLOTHOID	TS	1881+89.64	1976690.614	6092577.949										S 50°24′20" E	S 50°27′05" E
	CLOTHOID	SPI		1976656,622			80.00	0°02′45"	40,00	0.01						
	CLOTHOID	SC	1882+69.64	1976639.643	6092639.608											
	ARC	SC		1976639.643				0007/768						0900/57!!		
C168	ARC	PI	1883+24.94	1976604.430			110.60	0°07′36"			110	0.75	0.22	0°06′53"		
	ARC ARC	CC CS	1003400 24	1976569,312	6124476.167											
	ANC	- 63	1003-00,24	1910309,312	0032124.311	+				 			 	+		
	CLOTHOID	CS	1883+80.24	1976569.312	6092724.971										S 50°34′42" E	S 50°37′27" E
	CLOTHOID	SPI	1884+06.91	1976552.378	6092745.571		80.00	0°02′45"	40,00	0,01						
	CLOTHOID	ST	1884+60.24	1976518.543	6092786.798											
	TANGENT	ST		1976518.543			1396.01						ļ	S 50°37′27" E		
	TANGENT	TS	1898+56.25	1975632.906	6093865.914											
	CLOTHOID	TS	1898+56 25	1975632.906	6093865 914	+		1		+		-	+	+	S 50° 37'27" F	S 50°31′43" E
	CLOTHOID	SPI	1899+22-92	1975590.612	6093917-448	 	100,00	0°05′44"	50.00	0,01	1		<u> </u>	+	3 30 31 Z1 E	3 30 31 43 E
	CLOTHOID	SC	1899+56-25	1975569.422	6093943.179			0 00 77	30100			1		1		<u> </u>
		- 3-			32223.00.10									1		
	ARC	SC	1899+56.25	1975569.422	6093943.179											
C169	ARC	ΡĪ	1900+14,94	1975532,116			117.37	0°13′27"			110	1,00	0,62	0°11′28"		
	ARC	CC			6074872.384											
	ARC	CS	1900+73.63	1975494,632	6094033.638											
	CLOTHOID	CS	1000+73 63	1975494.632	6004033 630	+				-			<u> </u>		S 50°10'16" E	S 50°12′32" E
	CLOTHOID	SPI		1975473,342			100.00	0°05′44"	50,00	0,01				+	3 30 16 16 E	3 30 12 32 E
	CLOTHOID	ST		1975430.676			100100	0 03 44	30100	0101				1		
	TANGENT	ST	1901+73.63	1975430,676	6094110.512		102,04							S 50°12′32 " E		
	TANGENT	TS	1902+75.66	1975365.374	6094188.915	4										
	CLOTHOLD	TS	1002+75 66	1075765 774	6004100 015	1									C 50°12'72" E	S 50°18′16" E
	CLOTHOID CLOTHOID	SPI	1902-75.66	1975365,374	6094766,913	1	100.00	0°05′44"	50.00	0.01					3 30 12 32 E	3 30 18 16 E
	CLOTHOID	SC		1975301,417			100100	0 03 44	30100	0201			 			
	020111010															
	ARC	SC	1903+75.66	1975301.417												
C170	ARC	ΡĪ	1904+40.13		6094315.394		128.94	0°14′47"			110	1,00	0.62	0°11′28"		
	ARC	CC		1998384.882	6113427.043											
	ARC	CS	1905+04.60	1975219.278	6094365.175											
	CLOTHOID	CS	1905+04 60	1975219.278	6094365 175	+		+		+	+		+	+	S 50° 33'02" E	S 50°38′46" E
	CLOTHOID	SPI		1975198.098			100,00	0°05′44"	50,00	0,01	+	 		+	3 30 33 02 E	3 30 36 46 E
	CLOTHOID	ST		1975155.824				0 00 11	30100	-		1		1		1
	TANGENT	ST		1975155.824			765.94							S 50°38′46" E		
	TANGENT	TS	1913+70.54	1974670.134	6095034.726									<u> </u>		
	CLOTUOIS	To	1017170 54	1074670 174	6005034 700	1		-		-	1			1	C 500 70/40 F	C E19E1/00 =
	CLOTHOID CLOTHOID	TS SPI	1915+70,54	1974670,134 1974577,129	6095034.726	+	220,00	1°12′36"	110,00	0.39	1		1	1	5 50° 38° 46" E	S 51°51′22" E
	CLOTHOID	SC		1974577.129			220.00	1 12 36	110.00	0.39	1	 		+		
	CESTION	30	1313130134	13173311034	00332034014	1								1		
	ARC	SC	1915+90.54	1974531.834	6095205.814									1		
C171	ARC	ΡĪ	1920+24.12	1974264.041	6095546.805	5208.79	865.14	9°31′00"			90	2.25	3.99	1°06′00"		
	ARC	CC			6098422.961											
	ARC	CS	1924+55.69	1974056.311	6095927.378						1			ļ		
	CLOTUOIS	CC	1024:55.60	1074056 344	6005007 770	1				1		-		1	C 61 900/00" F	S 62°34′58" E
	CLOTHOID CLOTHOID	CS SPI	1924-33-69	1974056.311 1974021.175	6095921.378	1	220,00	1°12′36"	110,00	0.39	+		+	+	3 01 22 22 E	3 02 34 38 E
	CLOTHOID	S T		1973953.638			220.00	1 12 30	110.00	0.39	+	1	1	+		
	520.11018	<u> </u>			3000.211040									1		
			•	•		•		•		•	•	•	•	•	•	•

2021 RECORD

NOVEMBER 30, 2021 NOT FOR

CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C173 TO C175

Г	HSR15-34
	TT-B0020
	SCALE NONE

SEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 78 OF 146

Company Comp							111/0	CK ALIGN	MENI DATA	1 JOHNHAIT	INDEL						
TANGET 51 1924-15-50 1933-1-36 1959-1-10 1	CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION			RADIUS (F T)	LENGTH (FT)	DELTA, △	к	Р	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (FA) (IN)	UNBALANCED SUPERELEVATION (FII) (IN)	BEARING (0°00′00") (TANGENT)		,
TAMORT Pix 20324-9.5 19990-0.00 619516-992		TANCENT	C T	1026+75 60				10507 07				(117	(20) (10)	(20) (111)			END ANGLE
Year Tell								10363.67				+			3 62 34 36 E	 	
Marche TS 203445-47 198990-404 105990-055		TANGENT	1 10	2032.33.33	13030001100	01033104332										 	
Marche TS 203445-47 198990-404 105990-055		TANGENT	ΡΙ ×	2032+59.55	1969080,108	6105516.992		194.92							S 62°36′55" E		
COMBIO SC 203492, 80 198892, 223 61075 (2032) 155,00 0*19'46* 17.50 0.07 COMBIO SC 20349241 198918, 227 610522, 539 ASC 2 23349341 198918, 227 610522, 539 ASC 3 20377, 66 198893, 513 610537, 313 1350,00 168,19 0*42'50* 1110 1.75 1.84 0*2528* ASC 3 20377, 66 198893, 513 610537, 388 COMBIO SC 20349241 198918, 213 610527, 318 61052, 318		TANGENT	TS														
COMBIO SC 203492, 80 198892, 223 61075 (2032) 155,00 0*19'46* 17.50 0.07 COMBIO SC 20349241 198918, 227 610522, 539 ASC 2 23349341 198918, 227 610522, 539 ASC 3 20377, 66 198893, 513 610537, 313 1350,00 168,19 0*42'50* 1110 1.75 1.84 0*2528* ASC 3 20377, 66 198893, 513 610537, 388 COMBIO SC 20349241 198918, 213 610527, 318 61052, 318																	
COMBIG S. 20369347 198998.97 609827.599 ARE S. 20369347 198989.97 609827.599 ARE S. 203693.51 198889.97 609827.599 ARE S. 203693.51 198889.97 609827.599 ARE S. 203693.51 198889.97 609827.597 609827.599 ARE S. 203693.51 198889.97 609827.597 609827.597 609827.599 COMBIG S. 203927.64 198889.97 609827.59 609827.597 609827.599 COMBIG S. 203927.64 198893.51 198897.50 609827.644 115.00 0*19*4* 77,50 0.07 TARGET S. 203927.65 198897.54 609827.59 609827.597 60								455.00	0940/44	77.50						S 62°36′55" E	S 62°17′11" E
ACC COMBINED 1986-198-198-198-198-198-198-198-198-198-198								155,00	0 19 44	11,50	0.07	+					
COPRION PS 2015-13-77 1968273-787 (195827-177) 196827-		CECTHOID	30	2030109,47	1900910,091	0103021,339											
COPRION PS 2015-13-77 1968273-787 (195827-177) 196827-		ARC	SC	2036+09.47	1968918.897	6105827.559										 	
ACC CS 2021-77.66 196893-753 (105927-568) G.ORNOID CS 2021-77.66 196893-753 (105927-568) G.ORNOID CS 2021-77.66 196893-753 (105927-568) G.ORNOID CS 1 2021-72.63 196895-152 (106027-604) G.ORNOID CS 1 2021-72.63 196895-152 (106027-604) F. MARCENT ST 2021-72.64 1968-754-56 (106111-1994) G.ORNOID CS 2021-72.63 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.63 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.63 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-72.75 1968-74.997 (10620-5025) G.ORNOID CS 2021-74.72 1968-74.997 (10620-5025) G.ORNOID CS 2021-74.72 1968-74.997 (10620-5025) G.ORNOID CS 2021-74.72 1968-74.997 (10620-5025) G.ORNOID CS 2021-74.72 1968-74.997 (10620-5025) G.ORNOID CS 2021-74.72 1968-74.997 (10620-5025) G.ORNOID CS 2021-74.94 1969-74.97 (10620-5025) G.ORNOID CS 2021-75.93 1968-166.432 (10724-6266) G.ORNOID CS 2021-75.93 1968-166.432 (10724-6266) G.ORNOID CS 2021-75.93 1968-166.432 (10724-6266) G.ORNOID CS 2021-75.93 1968-166.432 (10724-6266) G.ORNOID CS 2021-75.93 1968-166.432 (10724-6266) G.ORNOID CS 2021-75.93 1968-166.432 (10724-6266) G.ORNOID CS 2021-75.93 1968-166.432 (10724-6266) G.ORNOID CS 2021-75.93 1968-166.432 (10724-6266) G.ORNOID CS 2021-75.93 1968-166.432 (10724-6266) G.ORNOID CS 2021-75.93 1968-166.432 (10724-6266) G.ORNOID CS 2021-75.94 1969-75.95 1968-75.95 1968-75.95 1968-75.95 1968-75.95 1968-75.95 1968-75.95 1968-75.95 1968-75.95 1968-75.95 1968-75.95 1968-75.95 1968-75.95 1968-75.95 1	C172	ARC	ΡI	2036+93.57	1968879.787	6105902.010	13500.00	168.19	0°42′50"			110	1.75	1.84	0°25′28"		
COMMOD SPI 2013472,6 1986819,753 1010915,866 COMMOD SPI 20134233 198616,545 101011,994 COMMOD SPI 201342,6 1986165,445 101011,994 COMMOD SPI 201342,6 1986165,445 101011,994 COMMOD SPI 201342,6 1986165,445 101011,994 COMMOD SPI 201342,6 1986165,445 101011,994 COMMOD SPI 201342,6 1986165,445 101011,994 COMMOD SPI 201343,6 1986165,445 101011,994 COMMOD SPI 201343,6 1986165,4 10101,994 COMMOD SPI 201343,6 1986165,4 10101,994 COMMOD SPI 201343,7 198666,8 10101,994 COMMOD SPI 201343,7 198666,8 10102,9 10101,994 COMMOD SPI 201343,7 198666,8 10102,9 10101,994 COMMOD SPI 201343,7 198666,8 10102,9 10101,994 COMMOD SPI 201343,7 198666,8 10102,9 10101,994 COMMOD SPI 201343,7 198666,8 10102,9 10101,994 COMMOD SPI 201343,7 198666,8 10102,9 10101,994 COMMOD SPI 201343,7 198666,8 10102,9 10101,994 COMMOD SPI 201344,2 198666,9 10102,9					1956967.563	6099549.373											
CLOPMOID SPI 2039872,633 1968815,197 6150021,004 CLOPMOID SPI 2039872,666 196875,465 1610011,1994 TAMERYT ST 2040973,02 196871,497 610000,002,925 CLOPMOID SPI 2040973,02 196871,497 610000,002,925 CLOPMOID SPI 2040973,02 196871,497 610000,002,925 CLOPMOID SPI 2040973,02 196871,497 610000,002,925 CLOPMOID SPI 2040973,02 196871,497 610000,002,925 CLOPMOID SPI 2040973,02 196871,497 610000,002,925 CLOPMOID SPI 2040973,02 196871,497 610000,002,925 CLOPMOID SPI 2040973,02 196871,497 610000,002,925 CLOPMOID SPI 2040973,02 196871,497 610000,002,925 CLOPMOID SPI 2040973,02 1968874,000 106335,555 ACC CS 2041987,02 1968864,000 160357,741 CLOPMOID SPI 204194,02 1968865,196 160677,741 TAMERYT ST 204194,02 1968865,196 160677,741 TAMERYT ST 204194,02 1968865,196 160677,741 TAMERYT ST 204194,02 1968866,192 1610246,026 CLOPMOID SPI 204194		ARC	CS	2037+77.66	1968839,753	6105975.968						1					
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COMBOD ST 203993266 1986952,45 610811,394 104.86				2038+29.33	1968815-157	6106021-404		155.00	0°19′44"	77,50	0.07					3 01 34 22 E	3 01 14 37 E
TAMERY 51 003973.6 106875.43 910073.52 100711.99 100203.025 1004.86				2039+32.66	1968765.445	6106111 994		100100	0 10 11		0,01						
TANCENT TS 2040917,52 1969714,997 610620,925																	
COTHORD TS 2040-17-52 1968714-997 6106201-925				2039+32.66	1968765.445	6106111.994		104.86							S 61°14′37" E		
CLOTHOID SC 2041987,52 1986860,888 6106291,933 150,00 0*18'25" 75,00 0.07 CLOTHOID SC 2041987,52 1986843,096 106335,555 1 ARC SC 2041987,52 1986843,096 106335,555 1 CLOTA ARC PL 2042485,87 1986857,486 106413,741 1 CLOTHOID SC 204344,22 1986957,486 106413,741 1 CLOTHOID SC 204344,22 1986567,196 106413,741 1 CLOTHOID SC 204344,22 1986567,196 106413,741 1 CLOTHOID SC 204344,22 1986567,196 106413,741 1 CLOTHOID ST 204494,22 1986567,196 106413,741 1 CLOTHOID ST 204494,22 1986959,196 106605,668 1 TANCENT ST 204494,22 198699,939 106606,668 1 TANCENT ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 2017246,926 1 CLOTHOID ST 205445,93 1986166,43 201736,747 1 CLOTHOID ST 205445,94 198616,9	<u> </u>	TANGENT	TS	2040+37.52	1968714.997	6106203.925											
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CLOPHOID SC 2041e17.52 1968643.069 6106335.555								150-00	0°18′25"	75-00	0.07					3 01 14 31 L	3 01 33 02 L
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CITY ARC PI 2042455,87 1986505,746 610604,442 14000,00 156,69 0'38'29" 110 1,75 1,71 0'24'33" RAC CC 204344,22 1986595,196 6106473,741 CLOPHOLO CS 204344,22 1986595,196 6106473,741 CLOPHOLO CS 204344,22 1986595,196 6106473,741 CLOPHOLO CS 204344,22 1986595,196 6106473,741 CLOPHOLO CS 204344,22 1986595,196 6106473,741 CLOPHOLO CS 204344,22 1986595,196 610651,7497 TANCENT ST 2044494,22 1986595,196 610651,7497 TANCENT ST 2044494,22 1986595,93 6106606,688 TANCENT ST 2044494,22 1986595,93 6106606,688 CLOPHOLO ST 205245,93 1986166,43 6107246,856 CLOPHOLO ST 205245,93 1986166,43 6107246,856 CLOPHOLO ST 2054459,41 1986595,405 6107456,747 CLOPHOLO SC 2055475,93 1986002,798 6107567,477 ARC CC 205643,85 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198622,798 6107567,477 ARC CC 205643,86 198623,302 ARC CC 207642,86 198623,302 ARC CC 207642,86 198623,302 ARC CC 207642,86 198623,304 ARC CC 207642,86 198623,304 ARC CC 207642,86 198718,363 199729,342 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199728,349 ARC CC 207642,86 199																	
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ARC CS 2043444.22 1966569.196 6106473.741 CLOTHOID CS 2043444.22 1966559.196 6106473.741 CLOTHOID SPI 2043494.22 1966559.196 6106473.741 CLOTHOID SPI 2043494.22 196659.681 610660.661 TANCENT SI 204494.22 1966859.681 610660.668 TANCENT SI 204494.22 1966859.681 610660.668 TANCENT SI 204494.22 196849.693 106606.668 CLOTHOID SI 204499.22 196849.693 106606.668 CLOTHOID SI 204499.22 196849.693 106606.668 CLOTHOID SI 204499.22 196849.693 106606.668 CLOTHOID SI 205491.593 1968106.432 6107266.826 CLOTHOID SPI 205491.593 1968106.432 6107266.826 CLOTHOID SPI 205495.594 1968007.986 6107567.477 ARC SC 2055975.93 1968007.986 6107567.477 ARC SC 2055975.93 1968007.986 6107567.477 ARC SC 2055975.93 1968007.986 6107567.477 ARC SC 2055975.93 1968007.986 6107567.477 ARC SC 2055975.93 1968007.986 6107567.477 ARC SC 2055971.84 196769.656 610826.656.90 CLOTHOID SPI 205493.69 196767.897.806.0065 100826.656.90 ARC SC 2057911.84 1967694.617 6107690.065 CLOTHOID SPI 205493.69 1967677.200 6109250.052 TANCENT SI 206494.184 1967694.617 6107690.065 CLOTHOID SPI 205493.69 1967877.200 6109250.522 CLOTHOID SPI 205493.69 1967877.200 6109250.522 CLOTHOID SPI 205493.69 1967877.200 6109250.522 CLOTHOID SPI 205493.69 1967877.200 6109250.522 CLOTHOID SPI 205493.69 1967877.200 6109250.522 CLOTHOID SPI 205493.69 1967877.200 6109250.324 CLOTHOID SPI 207493.69 1967877.800 6109270.720 ARC SC 207493.69 1967877.800 6109270.720 ARC SC 207493.69 1967877.800 6109270.720 ARC SC 207493.69 1967877.800 6109270.720 CLOTHOID SPI 207493.69 1967877.800 6109270.720 ARC SC 207493.69 1967877.800 6109270.720 CLOTHOID SPI 207493.69 1967877.800 6109270.720 CLOTHOID SPI 207493.69 1967877.800 6109270.720 CLOTHOID SPI 207493.69 1967877.800 6109270.720 CLOTHOID SPI 207493.69 1967877.800 6109270.720 ARC S	C173			2042+65.87	1968605.746	6106404,442	14000.00	156.69	0°38′29"			110	1,75	1,71	0°24′33"		
CLOTHOID CS 2043444.22 1968569.196 6106473.741 150.00 0°18'25" 75.00 0.07				2043+44 22								+					
CLOTHOID SPI 2043494,22 1968495,870 6106517,967 150,00 0*18'25" 75,00 0,07		ANC	- 03	204344422	1900309,190	0100473•741										 	
CLOTHOID SPI 2043494,22 1968495,870 6106517,967 150,00 0*18'25" 75,00 0,07		CLOTHOID	CS	2043+44.22	1968569.196	6106473.741										S 62°11'31" E	S 62°29'56" E
TANCENT ST 204494,22 1968499,693 610606,668 721,71								150.00	0°18′25"	75,00	0.07						
TANCENT TS 2052+15,93 1968166,432 6107246,826		CLOTHOID	ST	2044+94.22	1968499.693	6106606.668											
TANCENT TS 2052+15,93 1968166,432 6107246,826		TANCENT	C T	2044+04 22	1069400 603	6106606 669		721 71				+			C 62°20'56" F	ļ!	
CLOTHOID TS 2052+15,93 1968166,432 6107246,826								121.11				+			3 62 29 36 E		
CLOTHOID SPI 2054+55.94 1968055.605 6107459.713 360.00 1*23'42" 180.00 0.73 CLOTHOID SC 2055+75.93 1968002.798 6107567.477 ARC SC 2055+75.93 1968002.798 6107567.477 C174 ARC PI 2056+43.89 1967972.994 6107628.501 7393.06 135.91 1*03'12" 110 2.75 3.81 0*46'30"		TANGENT		2002110100	13001001132	01012101020										 	
CLOTHOID SC 2055+75,93 1968002,798 6107567,477 ARC SC 2055+75,93 1968002,798 6107567,477 ARC PI 2056+43,89 1968002,798 6107567,477 ARC CC 197464,1622 6110820,682 110820,682																S 62°29′56" E	S 63°53′38" E
ARC SC 2055+75,93 1968002,798 6107567,477 C174 ARC PI 2056+43,99 1967972,994 6107628,501 7393,06 135,91 1*03*12* 110 2.75 3,81 0*46*30* ARC CC 1974641,622 6110820,682								360.00	1°23′42"	180.00	0.73						
CLOTHOID ST 205141,84 196779,625 6108083,052 1164,99		CLOTHOID	SC	2055+75.93	1968002,798	6107567.477						1					
CLOTHOID ST 205141,84 196779,625 6108083,052 1164,99		ARC	sr	2055+75 93	1968002 798	6107567 477						+				 	
ARC CC 1974641,622 [6110820,682] ARC CS 2057+11,84 1967944,117 6107690,065 CLOTHOID CS 2057+11,84 1967944,117 6107690,065 CLOTHOID SPI 2058+55,18 1967883,417 6107819,924 430,00 1*39'58" 214,99 1,04 CLOTHOID ST 2061+41,84 1967769,625 6108083,052 TANGENT ST 2061+41,84 1967769,625 6108083,052 TANGENT ST 2061+41,84 1967769,625 6108083,052 CLOTHOID TS 2073+06.83 1967307,203 6109152,334 CLOTHOID TS 2073+06.83 1967307,203 6109152,334 CLOTHOID SPI 2073493,49 1967272,802 6109231,881 130,00 0*13'09" 65,00 0,04 CLOTHOID SC 2074+36,83 1967255,754 6109271,720 ARC SC 2074+36,83 1967255,754 6109271,720 ARC CC 1982884,850 6115959,869 ARC CC 2076+62,15 1967168,483 6109479,452 CLOTHOID CS 2076+62,15 1967168,483 6109479,452 CLOTHOID CS 2076+62,15 1967168,483 6109479,452 CLOTHOID SPI 2077+05,48 1967151,965 6109919,513 130,00 0*13'09" 65,00 0,04	C174						7393.06	135.91	1°03′12"			110	2.75	3.81	0°46′30"	 	
CLOTHOID CS 2057+11.84 1967944.117 6107690.065		ARC	CC		1974641.622	6110820.682											
CLOTHOID SPI 2058+55,18 1967883,417 6107819,924 430,00 1°39′58" 214,99 1.04 CLOTHOID ST 2061+41,84 1967769,625 6108083,052 TANCENT ST 2061+41,84 1967769,625 6108083,052 1164,99 TANCENT TS 2073+06,83 1967307,203 6109152,334		ARC	CS	2057+11.84	1967944,117	6107690.065											
CLOTHOID SPI 2058+55,18 1967883,417 6107819,924 430,00 1°39′58" 214,99 1.04 CLOTHOID ST 2061+41,84 1967769,625 6108083,052 TANCENT ST 2061+41,84 1967769,625 6108083,052 1164,99 TANCENT TS 2073+06,83 1967307,203 6109152,334		CLOTUCIO		2057:11 04	1067044 117	6107600 005						-				C 649 EC/EOU E	C 66° 76′40" F
CLOTHOID ST 2061+41,84 1967769,625 6108083,052 1164,99 S 66°36′48″ E S 66°36′48″ E S 66°36′48″ E S 66°36′48″ E S 66°36′48″ E S 66°49′57″ E CLOTHOID SPI 2073+93,49 1967272,802 6109231,881 130.00 0°13′09″ 65.00 0.04 S 67°35′31″ E S 67°48′40″ E CLOTHOID CS 2076+62.15 1967168,483 6109479,452 CLOTHOID SPI 2077+05,48 1967151,965 610959,513 130.00 0°13′09″ 65.00 0.04 S 67°35′31″ E S 67°48′40″ E CLOTHOID SPI 2077+05,48 1967151,965 610959,513 130.00 0°13′09″ 65.00 0.04 S 67°35′31″ E S 67°48′40″ E CLOTHOID SPI 2077+05,48 1967151,965 610959,513 130.00 0°13′09″ 65.00 0.04 S 67°35′31″ E S 67°48′40″ E CLOTHOID SPI 2077+05,48 1967151,965 610959,513 130.00 0°13′09″ 65.00 0.04 S 67°35′31″ E S 67°48′40″ E CLOTHOID SPI 2077+05,48 1967151,965 610959,513 130.00 0°13′09″ 65.00 0.04 S 67°35′31″ E S 67°48′40″ E CLOTHOID SPI 2077+05,48 1967151,965 610959,513 130.00 0°13′09″ 65.00 0.04	—							430.00	1°39'58"	214 99	1 04	+		-		3 04 36 3U E	3 00 30 48 E
TANGENT ST 2061+41.84 1967769.625 6108083.052 1164.99								730100	. 33 30	217133	1,107	1					
TANGENT TS 2073+06.83 1967307.203 6109152.334 CLOTHOID TS 2073+06.83 1967307.203 6109152.334 CLOTHOID SPI 2073+93.49 1967272.802 6109231.881 130.00 0°13′09" 65.00 0.04 CLOTHOID SC 2074+36.83 1967255.754 6109271.720 ARC SC 2074+36.83 1967255.754 6109271.720 C175 ARC PI 2075+49.49 1967211.430 6109371.720 ARC CC 1982884.850 6115959.869 ARC CS 2076+62.15 1967168.483 6109479.452 CLOTHOID CS 2076+62.15 1967168.483 6109479.452 CLOTHOID SPI 2077+05.48 1967151.965 6109519.513 130.00 0°13′09" 65.00 0.04																	
CLOTHOID TS 2073+06.83 1967307.203 6109152.334								1164.99							S 66°36′48 " E		
CLOTHOID SPI 2073+93.49 1967272.802 6109231.881 130.00 0°13′09" 65.00 0.04 CLOTHOID SC 2074+36.83 1967255.754 6109271.720 ARC SC 2074+36.83 1967255.754 6109271.720 C175 ARC PI 2075+49.49 1967211.430 6109375.297 17000,00 225.32 0°45′34" 110 1.50 1.35 0°20′13" ARC CC 1982884.850 6115959.869 100 1.50 1.35 0°20′13" ARC CS 2076+62.15 1967168.483 6109479.452	<u> </u>	TANGENT	TS	2073+06.83	1967307.203	6109152.334								-			
CLOTHOID SPI 2073+93.49 1967272.802 6109231.881 130.00 0°13′09" 65.00 0.04 CLOTHOID SC 2074+36.83 1967255.754 6109271.720 ARC SC 2074+36.83 1967255.754 6109271.720 C175 ARC PI 2075+49.49 1967211.430 6109375.297 17000,00 225.32 0°45′34" 110 1.50 1.35 0°20′13" ARC CC 1982884.850 6115959.869 100 1.50 1.35 0°20′13" ARC CS 2076+62.15 1967168.483 6109479.452		CLOTHOLD	TS	2073+06 83	1967307 203	6109152 334			 			+		+		S 66° 36'48" F	S 66°40'57" E
CLOTHOID SC 2074+36.83 1967255.754 6109271.720 ARC SC 2074+36.83 1967255.754 6109271.720 C175 ARC PI 2075+49.49 1967211.430 6109375.297 17000.00 225.32 0°45′34" ARC CC 1982884.850 6115959.869 ARC CS 2076+62.15 1967168.483 6109479.452 CLOTHOID CS 2076+62.15 1967168.483 6109479.452 CLOTHOID SPI 2077+05.48 1967151.965 6109519.513 130.00 0°13′09" 65.00 0.04								130.00	0°13′09"	65.00	0.04	1				3 00 30 10 E	J 00 13 J1 E
ARC SC 2074+36.83 1967255.754 6109271.720																	
C175 ARC PI 2075+49.49 1967211.430 6109375.297 17000.00 225.32 0°45′34" 110 1.50 1.35 0°20′13"																	
ARC CC 1982884,850 6115959,869	01.75			2074+36.83	1967255.754	6109271.720	17000 00	205.70	0045/3411			110	4.50	4 25	0000(4.3)		
ARC CS 2076+62.15 1967168.483 6109479.452	C175			2015+49.49			17000.00	223.32	0 45 34			110	1,50	1,35	0.50.13	 	
CLOTHOID CS 2076+62.15 1967168.483 6109479.452 S 67°35'31" E S 67°48'40" E CLOTHOID SPI 2077+05.48 1967151.965 6109519.513 130.00 0°13'09" 65.00 0.04				2076+62-15					 			 		1		 	
CLOTHOID SPI 2077+05.48 1967151.965 6109519.513 130.00 0°13′09" 65.00 0.04																	
																S 67°35′31" E	S 67°48′40" E
CLOIMOID SI 2011+92,15 1967119,234 6109599,761								130.00	0°13′09"	65.00	0.04						
		CLOTHOID	ST	2077+92.15	1967119,234	6109599.761						+		-			
				1	l			<u> </u>				1	l .	1	1		

TRACK ALIGNMENT DATA SUMMARY TABLE - FJ SB TRACK

	<u> </u>	POINT	MT2 TDACK	COOR	DINATES	RADIUS	1				DESIGN	ACTUAL	UNBALANCED	BEARING	WCB (O	°00′00")
CURVE	ELEMENT	TYPE	MT2 TRACK STATION	NORTHING	EASTING	(FT)	LENGTH (FT)	DELTA, △	K	Р	SPEED (MPH)	SUPERELEVATION (EA) (IN)	SUPERELEVATION (EU) (1N)	(0°00′00") (TANGENT)	START ANGLE	END ANGLE
	TANGENT	ST	2077+02 15	1967119.234			107.05			 	(WII 11)	(LA) (IN)	(20) (111)	S 67°48'40" E		END ANGLE
	TANGENT	TS		1967078.805			107203	 			 			3 67 46 40 E		
	CLOTHOID	TS		1967078.805			170.00	0047/00	65.00		 '			<u> </u>	S 67°48′40" E	S 67°35′31"
	CLOTHOID CLOTHOID	SP I SC		1967046.074 1967029.555			130.00	0°13′09"	65.00	0.04	+ '					
	CECTHOID	30	2000-23,20	1901029.333	01090194194			 			+			+	-	
	ARC	SC		1967029.555												
C176	ARC	ΡI	2081+45.93	1966985.056			233.46	0°47′13"			110	1,50	1,35	0°20′13"		
	ARC	CC	2002162.66		6103338.777						 '					
	ARC	CS	2082+62.66	1966939.079	6110034-411	1					+			_		
	CLOTHOID	CS	2082+62,66	1966939.079	6110034.411			 			 			+	S 66°48′18" E	S 66°35′10"
	CLOTHOID	SPI	2083+05.99	1966922.012	6110074.242		130.00	0°13′09"	65,00	0,04						
	CLOTHOID	ST	2083+92.66	1966887.573	6110153.773											
	TANCENT	C.T	2007102.66	1000007 577	6110157 777		2007 41				 '			C CC 275 1 0 1 F		
	TANGENT TANGENT	ST TS		1966887.573 1965702.050			2983.41				+			S 66°35′10" E		
	IANGENI	13	2113-16.01	19657024050	6112091.510			 			+			+		
	CLOTHOID	TS	2113+76.07	1965702.050	6112891.516										S 66°35′10" E	S 66°43′23"
	CLOTHOID	SPI	2114+49.40	1965672.909	6112958.811		110.00	0°08′13"	55.00	0.02						
	CLOTHOID	SC	2114+86.07	1965658,419	6112992.494		<u> </u>									
	ADC	50	2114296 07	1965658.419	6112002 404			 			 					-
C177	ARC	SC PI		1965634.766			119.71	0°17′54"			110	1,25	0.86	0°14′57"		
CIII	ARC	CC	2113173.52	1986786.335	6122081 563	23000,00	113.11	0 11 37			 ''' 	1,23	0,00	0 17 37	 	
	ARC	CS	2116+05.78	1965611.399				 						†		
	CLOTHOID	CS	2116+05.78	1965611.399	6113102.582										S 67°01′16" E	S 67°09′30" I
	CLOTHOID	SPI		1965597.085			110.00	0°08′13"	55,00	0.02	 '					
	CLOTHOID	ST	2117+15.78	1965568.618	6113203.921						+			+	 	
	TANGENT	ST	2117+15.78	1965568.618	6113203-921		118.04	 			+			S 67°09′30" E		
	TANGENT	TS		1965522.795			11000	 						0 01 00 00 2		
	CLOTHOID	TS	2118+33.82	1965522.795	6113312.707			0000/4.78			 '				S 67°09′30 " E	S 67°01′16"
	CLOTHOID CLOTHOID	SPI SC	2119+07-15	1965494.328 1965480.014	6113380.290		110.00	0°08′13"	55,00	0.02	 			 	ļ!	
	CECTHOID	36	2119743,02	1903460-014	6113414.047						+					
	ARC	SC	2119+43.82	1965480.014	6113414.047			 			+					
C178	ARC	ΡĪ		1965458,477	6113464.838	23000.00	110.34	0°16′30"			110	1.25	0.86	0°14′57"		
	ARC	CC			6104435.066											
	ARC	CS	2120+54.15	1965436.696	6113515.524						 '					
	CLOTHOID	CS	2120+54 15	1965436.696	6113515 524	-					+			+	S 66°44′47" E	S 66° 36′ 34" I
	CLOTHOID	SPI		1965422.220			110,00	0°08′13"	55.00	0.02	 			+	3 00 44 41 E	3 00 30 34 1
	CLOTHOID	ST		1965393.107												
	TANGENT	ST		1965393.107			484.83							S 66°36′34" E		
	TANGENT	Ρ Ι ×	2126+48.99	1965200 630	6114061.507			 			 			 		<u> </u>
	TANGENT	PI*	2126+48_99	1965200.630	6114061-507		948.66	 			+		+	S 66°35′08" E		
	TANGENT	TS		1964823.650			3,3,00	 			 			3 00 33 00 E		
	CLOTHOID	TS		1964823.650				-0							S 66°35′08 " E	S 66°27′54"
	CLOTHOID	SPI		1964795.834			105.00	0°07′13"	52.50	0.02	 '			+		——
	CLOTHOID	SC	2131+02.65	1964781.858	0115028.372	+		 			+'			+		
	ARC	SC	2137+02-65	1964781.858	6115028-372			 			 			+		
C179	ARC	ΡĪ		1964755.242			133.31	0°18′20"			110	1,25	0.69	0°13′45"		
	ARC	CC		1941861,428	6105045.691											
	ARC	CS	2138+35.96	1964728.300	6115150.452											
	CLOTHOID	CS	2138+35.96	1004700 700										+	C CC 200/75" =	S 66°02′21" E

DRAWN BY DRAWN BY CHECKED BY NOVEMBER 30, 202: N CHARGE NOT FOR	RELY	DATE	BY	CHK	APP	DESCRIPTION	DATE	55.151.11 66 11 6 1
DRAWN BY ORICHED BY NOVEMBER 30, 202:								NOT FOR CONSTRUCTION
DRAWN BY SET PEPD							N CHARGE	
2021 RECORD							CHECKED BY	NOVEMBER 30, 2021
DESIGNED BY 2021 RECORD							DRAWN BY	SET PEPD
							DESIGNED BY	2021 RECORD







CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C176 TO C179

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 79 OF 146
CONTRACT NO. HSR15-34
TT-B0021 SCALE NONE
SHEET NO.

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TRA	CK ALIGN	MENT	DATA	SUMMARY	TABLE	- FJ	SB	TRACK	
IUS	LENGTH	DEL T		V	В	DES	GN	ACT	

CURVE	'E ELEMENT	POINT	MT2 TRACK	COOR	DINATES	RADIUS	LENGTH	DELTA, △	К	Р	DESIGN SPEED	ACTUAL SUPERELEVATION	UNBALANCED SUPERELEVATION	BEARING (0°00'00")	WCB (O	°00′00")
CORVE	ELEMENT	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELIA, A	Λ .		(MPH)	(EA) (IN)	(EU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	CLOTHOID	SPI	2138+70.96		6115182.466		105.00	0°07′13"	52.50	0.02						
	CLOTHOID	ST	2139+40.96	1964685.725	6115246.433			 	 							
	TANGENT	ST			6115246.433		107.45							S 66°02′21" E		
	TANGENT	TS	2140+48.41	1964642.090	6115344.622											
	CLOTHOID	TS	2140+48.41	1964642.090	6115344.622			 	 						S 66°02′21" E	S 66°09′35" E
	CLOTHOID	SPI	2141+18.41	1964613.662	6115408.590		105.00	0°07′13"	52.50	0.02						
	CLOTHOID	SC	2141+53,41	1964599,515	6115440.603											
	ARC	SC	2141+53.41	1964599.515	6115440.603				 							
C180	ARC	PI	2142+22.52		6115503.825		138.24	0°19′01"			110	1.25	0.69	0°13′45"		
	ARC ARC	CC CS	2142+91-64		6125545.364											
	CLOTHOID	CS	2142+91.64	1964543.991	6115567.200		105.00	0°07′13"	52.50	0.02					S 66°28′35 " E	S 66°35′48" E
	CLOTHOID CLOTHOID	SPI ST	2143+26.64	1964530.021	6115599,291		105.00	0 07 13	52,50	0.02						
	TANGENT TANGENT	ST PI*	2143+96.64	1964502,217	6115663.532		1950.97		<u> </u>					S 66°35′48" E		
	TANGENT	r I*	2103747.01	1903121.293	0117455.557			\vdash	 							
	TANGENT	ΡΙ ×			6117453.997		873.90							S 66°33′19" E		
	TANGENT	TS	2172+21.51	1963379.597	6118255.754			_	<u> </u>							
	CLOTHOID	TS	2172+21.51	1963379.597	6118255.754										S 66°33′19" E	S 66°47′09" E
	CLOTHOID	SPI	2173+18.18	1963341.137	6118344.440		145.00	0°13′50"	72.50	0.05						
	CLOTHOID	SC	2173+66.51	1963322.085	6118388,860											
	ARC	SC	2173+66.51	1963322.085	6118388.860											
C181	ARC	PI	2174+57.61	1963286.179	6118472,579	18015.00	182.19	0°34′46"			110	1,50	1,19	0°19′05"		
	ARC ARC	CC CS	2175+48-70		6125489.833 6118556.656			 	 							
															_	_
	CLOTHOID CLOTHOID	CS CDT	2175+48.70	1963251.121	6118556.656		145.00	0°13′50"	72.50	0.05					S 67°21′55" E	S 67°35′45" E
	CLOTHOID	SPI ST	2176+93.70	1963232.519	6118601.267		145.00	0 13 50	12,50	0,05						
	TANGENT TANGENT	ST TS			6118690.637 6118787.753		105.05	 	<u> </u>					S 67°35′45" E		
	TANGENT		2111130114	13031332033	01101011133				 							
	CLOTHOID	TS	2177+98.74	1963155.639	6118787.753		1.45.00	0043/548	70.50	0.05					S 67°35′45" E	S 67°21′54" E
	CLOTHOID CLOTHOID	SPI SC			6118877.123		145.00	0°13′51"	72.50	0.05						
C182	ARC ARC	SC PI	2179+43.74	1963100.194	6118921.734 6118991.934	18000 00	152,12	0°29′03"	<u> </u>		110	1,50	1,19	0°19′06"		
C102	ARC	CC	2180-19-80	1946486.637	6111994.274	18000,00	132.12	0 29 03	 		110	1,50	1,13	0 19 00		
	ARC	CS			6119061.884											
\vdash	CLOTHOID	CS	2180+95-86	1963041-058	6119061.884	+		 	 						S 66°52′51" F	S 66°39′00" E
	CLOTHOID	SPI	2181+44.19	1963022.081	6119106.336		145.00	0°13′51"	72.50	0.05					3 00 32 31 E	3 00 33 00 L
	CLOTHOID	ST	2182+40.86	1962983.767	6119195.086		<u> </u>									
\vdash	TANGENT	ST	2182+40-86	1962983-767	6119195.086	+	1249.37							S 66°39′00" E		
	TANGENT	TS.			6120342.138											
	CLOTHOID	TS	2104+00 27	1062499 507	6120342,138										S 66° 30'00" F	S 68°51′22" E
	CLOTHOID	SPI			6120611.468		440.00	2°12′22"	219.99	1.41					3 00 39 00 E	3 00 31 22
	CLOTHOID				6120748.280											
\vdash	ARC	SC	2199+30 23	1962319 400	6120748.280	 			 							
C183	ARC	PI		1962252.680	6120920.796	5713.78	369.80	3°42′30"			110	4,00	4.50	1°00′10"		
	ARC	CC		1967648.515	6122809.304											
\vdash	ARC	CS	2203+00.04	1962197.258	6121097,265	 		 	 							
	CLOTHOID	CS	2203+00.04	1962197.258	6121097.265										S 72°33′52" E	S 74°46′14" E
	CLOTHOID CLOTHOID	SPI ST	2204+46.72	1962153.305	6121237.213		440.00	2°12′22"	219.99	1,41						
<u> </u>		` \	ZZU174U.U4	1 130/0/0-/45	10121320.267	1 1		1 '	1 '	I	1	l	I	1	1	I

DESIGNED BY DRAWN BY CMECKED BY PN CHARGE EV DATE BY CHK APP DESCRIPTION

2021 RECORD Set Pepd

NOVEMBER 30, 2021

NOT FOR
CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C180 TO C183

CONTRACT NO.
HSR15-34
DRAWING NO.
TT-B0022
SCALE
NONE

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 80 OF 146

2021 RECORD

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
B2 TRACK ALIGNMENT DATA TABLE
CURVE NO. C184 TO C187

	SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE B BOOK B4 SHEET 81 OF 146
	SAN I ALTE BOOM SHEE
Γ	CONTRACT NO. HSR15-34 DRAWING NO.
	TT-B0023 SCALE NONE SMEET NO.
	SEET NO.

						INA	CK ALIGN	MENI DATA	A SUMMAR	I IADLE	- FJ 3D	IRACK				
CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COOR NORTHING	DINATES EASTING	RADIUS (FT)	LENGTH (FT)	DELTA, △	K	Р	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (1N)	BEARING (0°00'00") (TANGENT)	WCB (O	°00'00") END ANGLE
	T.1110E11T		0007.40.04				7007.40				(117)	(LA) (IN)	(20) (114)			END ANGLE
	TANGENT	<u>ST</u>	2207+40.04		6121520.267		3697.18							S 74°46′14" E		
	TANGENT	TS	2244+37.21	1961105.048	6125087.603											
	CLOTHOID	TS			6125087.603										S 74°46′14" E	S 78°21′13" E
	CLOTHOID	SPI			6125409.297		500.00	3°35′00"	249.97	2,61						
	CLOTHOID	SC	2249+37,21	1960983.811	6125572.593											
	i															
	ARC	SC	2249+37,21	1960983,811	6125572.593											
C184	ARC	PI	2250+80.65	1960954.856	6125713.077	3997.48	286.74	4°06′36"			110	6,00	6,14	1°26′00"		
	ARC	CC			6126379.559											
	ARC	CS	2252+23.95		6125855.274											
—	CLOTHOID	CS	2252+23.95	1960936-043	6125855.274								†		S 82°27′49" E	S 86°02'49" F
—	CLOTHOID	SPI			6126020.563		500.00	3° 35′00"	249.97	2,61					3 32 21 13 2	3 00 02 13 2
	CLOTHOID	ST	2257-23 05	1960891 192	6126353.171		300,00	3 33 00	2751	2401						
├	CLOTHOID	31	2231-23.93	19000911192	01203334171								<u> </u>			
	TANCENT	6.	2257127 05	1060001 102	6126757 171		000.05						 	C 06°02'40" F	 	———
\vdash	TANGENT	ST	2221-23.93	1060031 192	6126353.171		989.85	-					+	S 86°02'49" E		
—	TANGENT	TS	2267+13.80	1960822.953	6127340.667			 			_			1	 	
	0.07.00	T.	0007/17 01	4000000 055	64.077.40.05										0.0000011011	0.000504:41
	CLOTHOID	TS			6127340.667										S 86°02'49" E	S 86°52′14" E
	CLOTHOID	SPI			6127493.637		230.00	0°49′25"	115.00	0.28						
	CLOTHOID	SC	2269+43.80	1960808.197	6127570-191											
	ARC	SC			6127570.191											
C185	ARC	ΡĪ	2270+71.54	1960801,224	6127697.732	8000,00	255.44	1°49′46"			110	2,75	3,31	0°42′58"		
	ARC	CC		1968796.268	6128006.920											
	ARC	CS	2271+99.25	1960798.326	6127825.432											
	CLOTHOID	CS	2271+99-25	1960798-326	6127825.432										S 88°42′00" E	S 89° 31′25" F
—	CLOTHOID	SPI			6127902.080		230.00	0°49′25"	115.00	0.28			†		0 00 12 00 2	5 55 51 25 2
	CLOTHOID	ST			6128055.410		230100	0 43 23	113100	0120			 		 	
 	CLOTHOID	31	2214-23-23	19001934313	01200331410										 	
\vdash	TANGENT	ST	2274+20 25	1060705 717	6128055.410		172.73						+	S 89°31′25" E		
\vdash			2274-29.23	1960793.313	6120000,410		172.13						†	3 09 31 23 E		
\vdash	TANGENT	TS	2276+01.98	1960193.811	6128228.138											
															0.000011.000	0.000.000.00
	CLOTHOID	TS			6128228,138			20							S 89°31′25" E	S 89-42-26 E
	CLOTHOID	SPI			6128311.469		125.00	0°11′01"	62.50	0.03						
	CLOTHOID	SC	2277+26.98	1960792.971	6128353.135											
	ARC	SC			6128353.135											L
C186	ARC	ΡĬ	2278+09.89		6128436.045	19515.00	165.82	0°29′13 "			110	1.50	0.99	0°17′37"		
	ARC	CC			6128452.861											
	ARC	CS	2278+92.80	1960792.828	6128518.957											
	CLOTHOID	CS	2278+92.80	1960792.828	6128518.957										N 89°48'21" E	N 89°37′21" E
	CLOTHOID	SPI			6128560.623		125,00	0°11′01"	62.50	0.03						
	CLOTHOID	ST			6128643.955			1		1						
—	3_00				3.233.04333								1		 	
- 	TANGENT	ST	2280+17.80	1960793 519	6128643,955		109,45	 					 	N 89° 37′21" E	+	
	TANGENT	TS			6128753.405		103473						1	14 03 31 Z1 E	+	
 	IMNOENT	13	2201721120	13001344240	3120133,403					 				1	+	
—	CLOTHOID	TS	2201±27 26	1060704 240	6120757 405			 		-	1			1	N 90° 37′24" F	N 89°48'22" E
\vdash					6128753.405		125.00	0011/01"	62.50	0.03	1		+	 	N 03 31 ZI	N 09 40 22 E
\vdash	CLOTHOID	SPI			6128836.736		125.00	0°11′01"	62.50	0.03	1			1	 	
\vdash	CLOTHOID	SC	2282+52.26	1960/94.930	6128878,403					ļ			 			
\vdash			0000-55-55	1000701 577	64.00076 15-			 						1	 	
	ARC	<u>sc</u>			6128878.403		455	00						A6 - = t = = 11		
C187	ARC	ΡĬ	2283+32.64		6128958.791	19500.00	160.78	0°28′21"			110	1.50	0.99	0°17′38"	<u> </u>	
	ARC	CC			6128944,400											
	ARC	CS	2284+13.03	1960794.811	6129039.179											
	CLOTHOID	CS	2284+13,03	1960794.811	6129039,179										S 89°43′17" E	S 89°32′16" E
i					6129080,846		125,00	0°11′01"	62.50	0.03	1			1		
	CLOTHOID	SPI	2284 54 10	1960/94.609	0129080.8461	l	123.00		62.50	0.03	1				1	
	CLOTHOID	5P1 S T			6129164.176		123,00	0 11 01	62.50	0.03						

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2021 RECORD

NOVEMBER 30, 2021 NOT FOR CONSTRUCTION





CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE

ALTERNATIVE A
B2 TRACK ALIGNMENT DATA TABLE CURVE NO. C188

•	HSR15-34
	TT-B0024
	SCALE NONE

SEET NO.

FRANCISCO TO SAN JOSE EIR/S: VOLUME III ERNATIVE B IK B4 ET 82 OF 146

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CURVE	ELEMENT	POINT TYPE	MT2 TRACK STATION	COOR	DINATES	RADIUS (FT)	LENGTH (FT)	DELTA, △	К	Р	DESIGN SPEED (MPH)	ACTUAL SUPERELEVATION (EA) (IN)	UNBALANCED SUPERELEVATION (EU) (IN)	BEARING (0°00′00")	WCB (O	°00′00")
CORVE	ELEMENT	TYPE	STATION	NORTHING	EASTING	(FT)	(FT)	DELIA, A	, N		(MPH)	(FA) (IN)	(FU) (IN)	(TANGENT)	START ANGLE	END ANGLE
	TANGENT	ст	2205+30 03		6129164.176		2220.94				, II,	(211)	(20) (111)	S 89°32′16" E		LIND ANGLE
		ST	2203-30.03	1960793.936	6171705 046		2220.94							2 09 32 10 E		
	TANGENT	TS	2301+38.91	1960776.023	6131385.046											
	CLOTHOID	TC	0707.50 07	1000770 007	6131385.046										C 000 70/46" F	S 86°40′23" E
		TS	2307+38.97	1960776.023	6131705.078		480.00	2°51′53"	270.00	2.00					2 88 32 16 E	3 86 40 23 E
	CLOTHOID	SPI	2310+79.02	1960773.442	6131705.078		480.00	2 51 53	239.98	2.00						
	CLOTHOID	SC	2312+38.97	1960764,154	6131864,846											
	ARC	SC	2312+38.97	1960764.154	6131864.846											
C188	ARC	ΡI	2322+29.73	1960706.658	6132853.936	4800.00	1954.04	23°19′30"			110	5.75	4.36	1°11′37"		
	ARC	CC		1955972.244	6131586.288											
	ARC	CS	2331+93.02	1960262-233	6133739.425											
	CLOTHOID	CS	2331+93.02	1960262.233	6133739.425										S 63°20′53" E	S 60°29′00" E
	CLOTHOID		2333+53.05	1960190,444	6133882,458		480,00	2°51′53"	239.98	2.00						
	CLOTHOID	ST	2336+73.02	1960032.766	6134160.963											
	TANGENT	ST	2336+73.02	1960032.766	6134160.963		829.10							S 60°29′00" E		
	TANGENT	ΡΙ ×	2345+02.12	1959624.287	6134882.455											
	TANGENT	ΡΙ×	2345+02.12	1959624.287	6134882.455		1797.36							S 60°28′00" E		
	TANGENT	PI*	2362+99.48	1958738.313	6136446.282											
	TANGENT	ΡΙ ×	2362+99.48	1958738.313	6136446.282		1149.26							S 60° 30′05" E		
	TANGENT	PI*	2374+48.74	1958172.412	6137446.562											
	TANGENT	ΡΙ¥	2374+48.74	1958172.412	6137446.562		70.36							S 60°29′13" E		
	TANGENT	POE			6137507.790											
			1								1					
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* NOTE: /	ANGLE POINT	S ARE NO	T INTENDED FO	R CONSTRUCTION	ON. THEY ARE A	"BEST FIT	REPRESENT	ATION OF T	HE EXISTING	ALIGNMENT	OVER LON	IG TANGENTS.				