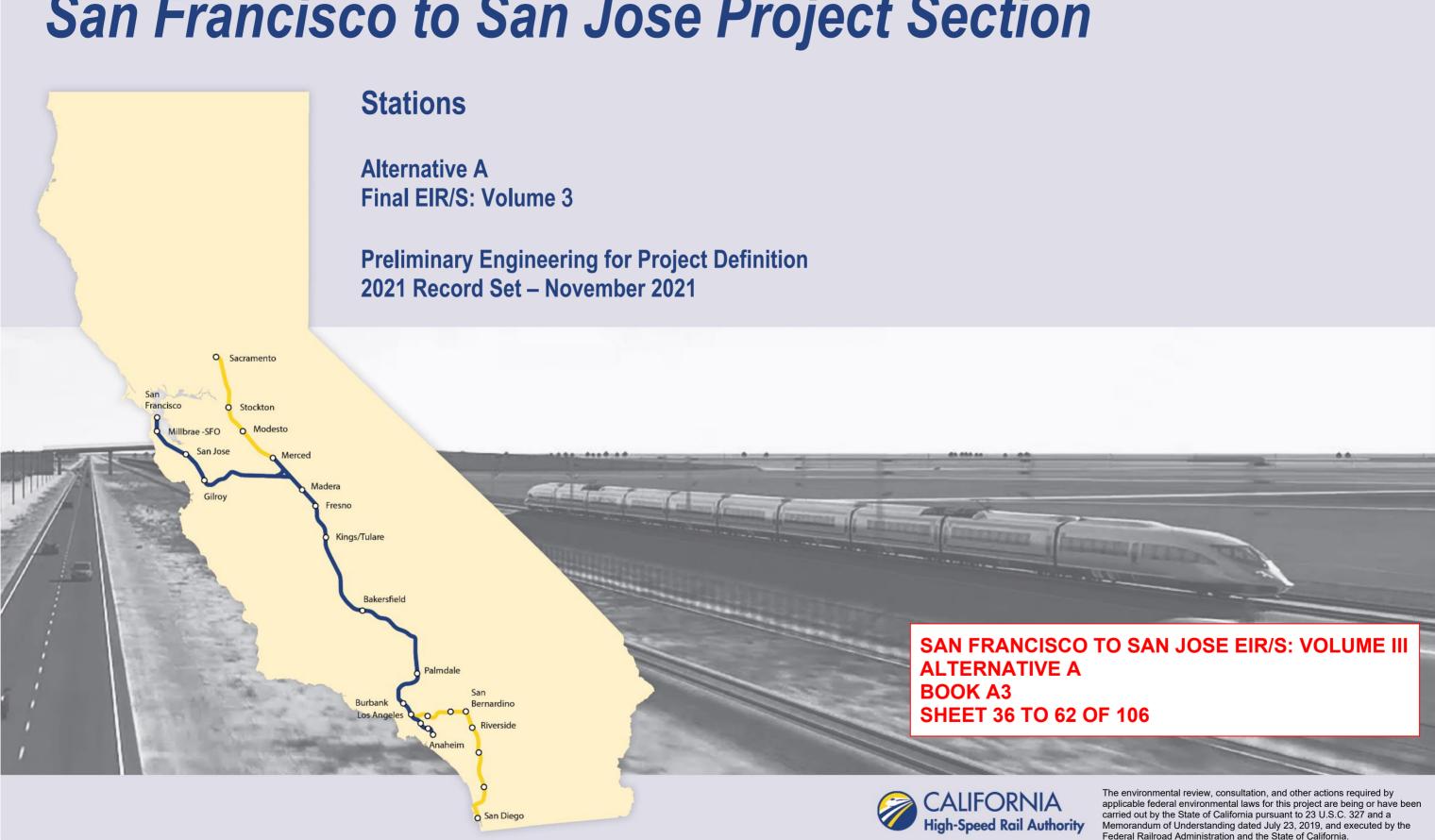
California High-Speed Rail Authority

San Francisco to San Jose Project Section

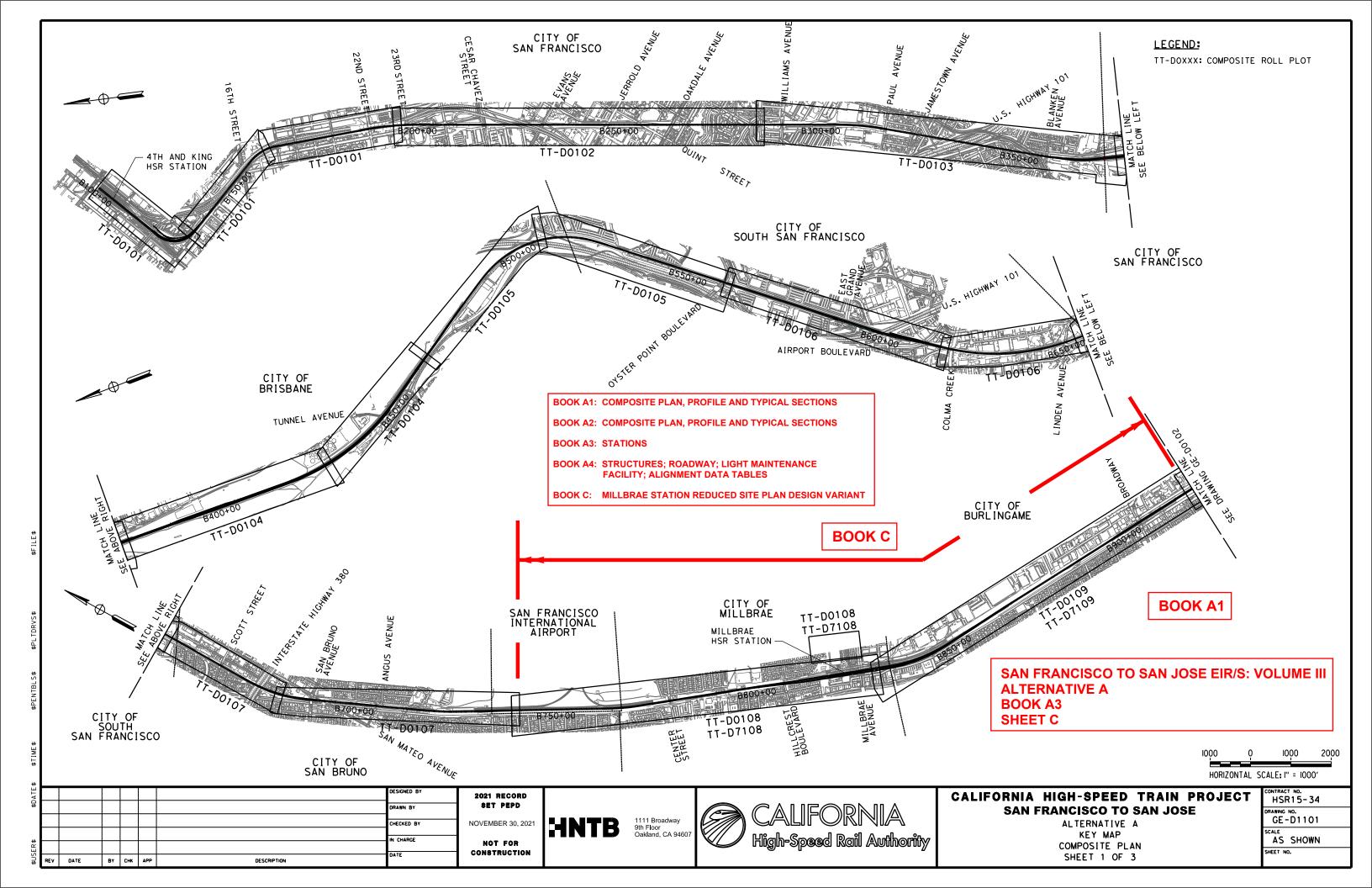
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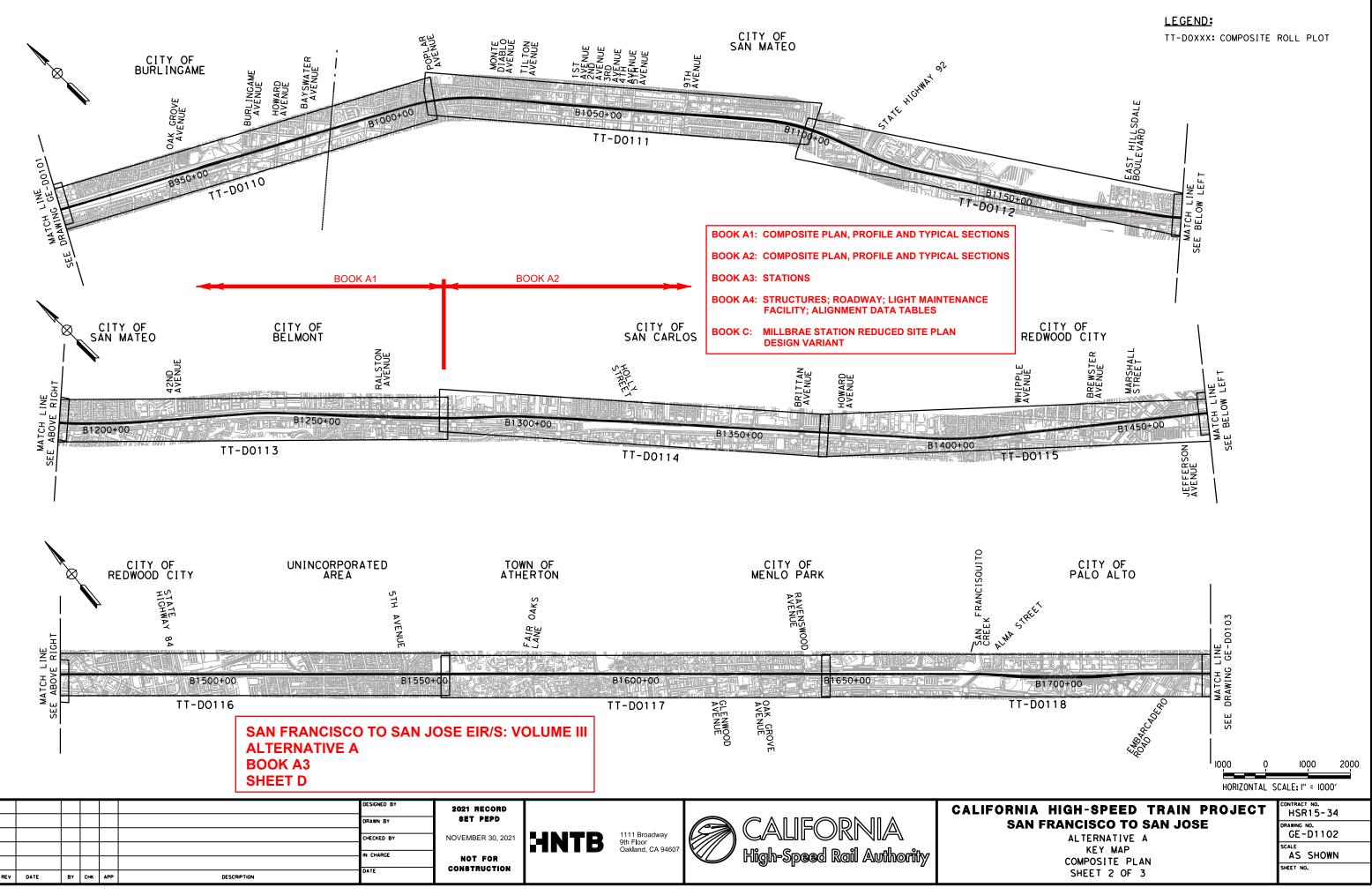


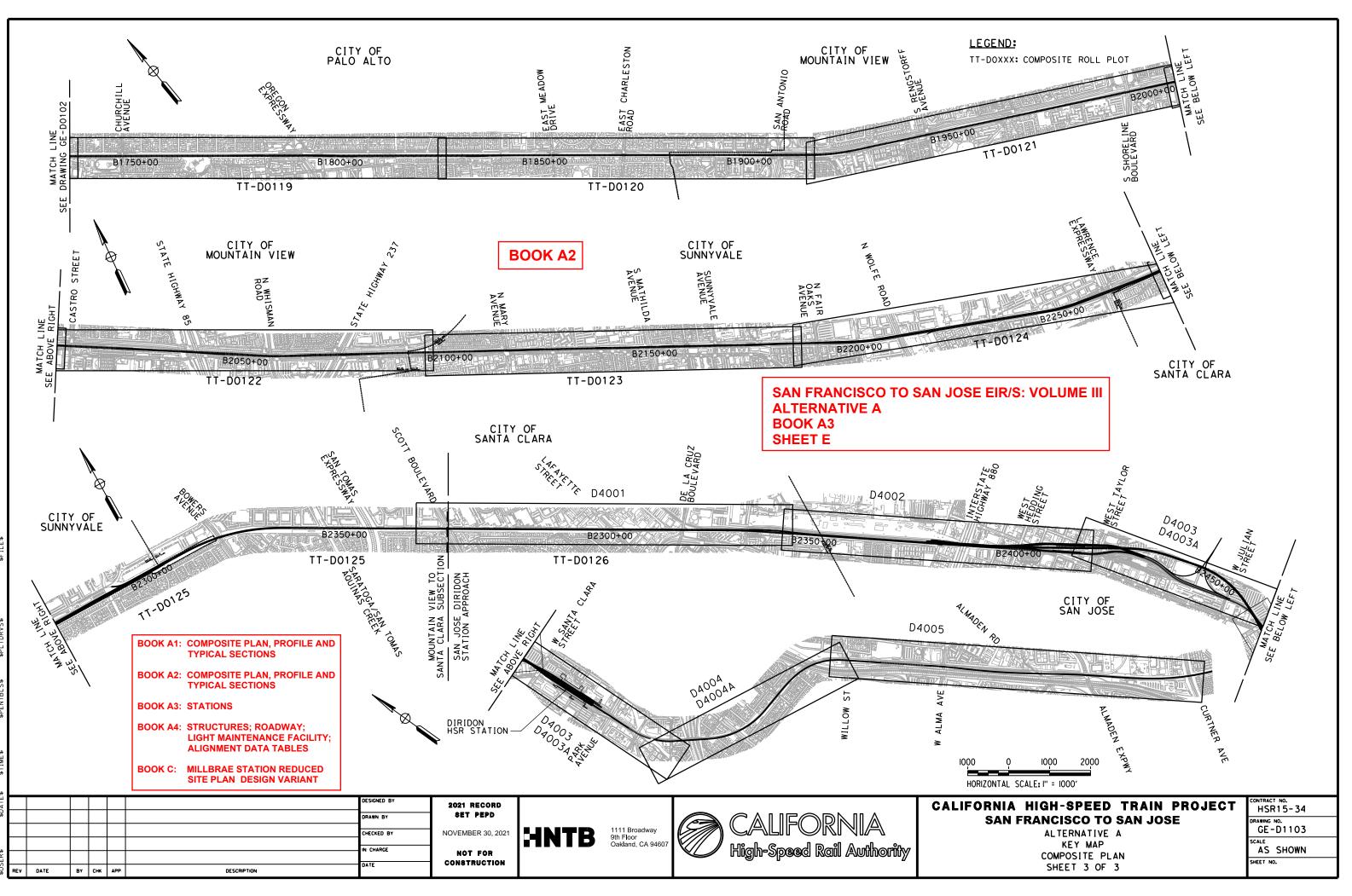
воок	SHEET NO	DRAWING NO	SUBSECTION	GEOGRAPHIC LOCATION OR FEATURE	ALIGNMENT OR FEATURE	SHEET DESCRIPTION	ADDITIONAL DESCRIPTION
OVER, INDE	EX OF DRAW	ING AND KEY	MAPS				
BOOK A3	A	COVER		4TH & KING TO W. ALMA	ALTERNATIVE A	ALTERNATIVE A	
			SAN FRANCISCO TO SOUTH SAN FRANCISCO, SAN				
BOOK A3	В	GE-A1103	BRUNO TO SAN MATEO, SAN JOSE DIRIDON	STATION	INDEX OF DRAWINGS	SHEET 3 OF 5	
			STATION APPROACH				
BOOK A3	С	GE-D1101	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 1 OF 3
BOOK A3	D	GE-D1102	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 2 OF 3
BOOK A3	E	GE-D1103	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	COMPOSITE PLAN	SHEET 3 OF 3
BOOK A3	F	GE-D1104	GENERAL	ENTIRE ALTERNATIVE	KEY MAP	SYSTEM SITES	
TATIONS							
	20			CTATION:			
BOOK A3	36	AR-J0101	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	GENERAL SITE PLAN	
BOOK A3	37	AR-J0102	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	DETAILED SITE PLAN	
BOOK A3	38	AR-J0103	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	PLATFORM LEVEL PLAN	
BOOK A3	39	AR-J0104	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	SECTION	
BOOK A3	40	AR-J0105	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	MASSING DIAGRAM 1	
BOOK A3	41	AR-J0106	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	MASSING DIAGRAM 2	
BOOK A3	42	AR-J0107	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	FACILITY SIZING TABLE	
BOOK A3	43	AR-J0108	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	FACILITY SIZING TABLE	
BOOK A3	44	AR-J0109	SAN FRANCISCO TO SOUTH SAN FRANCISCO	STATION	4TH AND KING	FACILITY SIZING TABLE	
BOOK A3	45	AR-J0111	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	GENERAL SITE PLAN	
BOOK A3	46	AR-J0112	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	DETAILED SITE PLAN	
BOOK A3 BOOK A3	47 48	AR-J0113 AR-J0114	SAN BRUNO TO SAN MATEO	STATION STATION	MILLBRAE	CONCOURSE PLAN SECTION	
	-		SAN BRUNO TO SAN MATEO				
BOOK A3	49	AR-J0115	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	MASSING DIAGRAM 1	
BOOK A3 BOOK A3	50 51	AR-J0116 AR-J0117	SAN BRUNO TO SAN MATEO SAN BRUNO TO SAN MATEO	STATION STATION	MILLBRAE	MASSING DIAGRAM 2 FACILITY SIZING TABLE	
BOOK A3	51	AR-J0117 AR-J0118	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	FACILITY SIZING TABLE	
BOOK A3	52	AR-J0118 AR-J0119	SAN BRUNO TO SAN MATEO	STATION	MILLBRAE	FACILITY SIZING TABLE	
BOOK AS BOOK AS	54	AR-C0201	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	GENERAL SITE PLAN	
BOOK A3	55	AR-C0201 AR-C0202	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	DETAILED SITE PLAN	
BOOK AS BOOK AS	56	AR-C0202 AR-F0201	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	CONCOURSE PLAN	
BOOK A3	50	AR-Y0201	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	SECTION	
BOOK A3	58	AR-10201 AR-Y0202	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 1	
BOOK AS BOOK AS	59	AR-10202 AR-Y0203	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	MASSING DIAGRAM 1 MASSING DIAGRAM 2	
BOOK A3	60	AR-10203	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE	
BOOK AS	61	AR-Y0204	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE	
BOOK A3	62	AR-10205	SAN JOSE DIRIDON STATION APPROACH	STATION	SAN JOSE DIRIDON STATION	FACILITY SIZING TABLE	

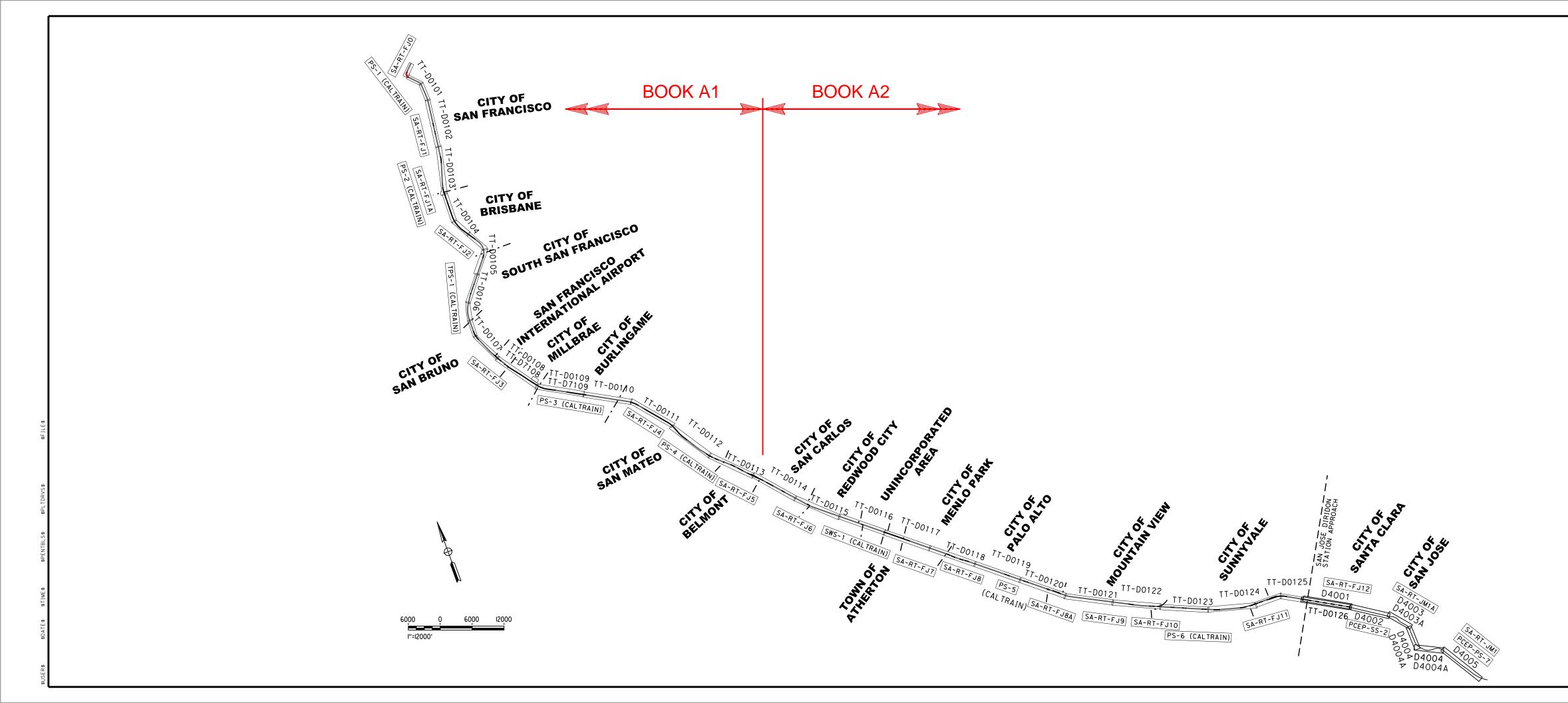
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REV	DATE	BY	СНК	APP	+	DESCRIPTION	DATE	CONSTRUCTION			•		

SAN FRANCISCO TO SAN JOSE EIR/S: VO ALTERNATIVE A BOOK A3 SHEET B	LUME III
FORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN FRANCISCO TO SAN JOSE ALTERNATIVE A	GE-A1103
INDEX OF DRAWINGS SHEET 3 OF 5	scale NONE
	SHEET NO.









Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (mi)	Automatic Train Control Sites	Dist. to Prev. ATC-D (mi)	Communications Radio Tower	Dist. to Prev. RT (mi)	Cross Street
	4th & King Passenger Station					Radio Tower 4th & King Sta		4th St
133+15								
		STATIC	NEQUATIO	N STA B133+15.12 = STA B139+00	.00			
139+00								
162+58	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	0.99	
167+09			CALTRAIN	TUNNEL 1 - NORTH PORTAL				
185+27			CALTRAIN	TUNNEL 1 - SOUTH PORTAL				
198+80			CALTRAIN	TUNNEL 2 - NORTH PORTAL				
209+69				TUNNEL 2 - SOUTH PORTAL				
245+49						Stand Alone Radio Tower FJ1 - Alt 1		Jerrold Ave
						to RT 4th & King Sta	2.56	
						to RT PS-1	1.57	
258+78						Stand Alone Radio Tower FJ1 - Alt 2		Newcomb Ave
						to RT 4th & King Sta	2.81	
						to RT PS-1	1.82	
264+92			CALTRAIN	TUNNEL 3 - NORTH PORTAL				
288+52			CALTRAIN	TUNNEL 3 - SOUTH PORTAL				
322+20			CALTRAIN TUNNEL 4 - NORTH PORTAL					
357+57			CALTRAIN	TUNNEL 4 - SOUTH PORTAL				
358+50						Stand Alone Radio Tower FJ1A		Blanken Ave
						to SA-RT FJ1 - Alt 1	2.14	
						to SA-RT FJ1 - Alt 2	1.89	
366+50	Bayshore PS-2 (Caltrain)	PCEP-PS-2						Recycle Road
	To Caltrain PS-1		3.86					
	To Caltrain TPS-1		4.09					
467+30						Stand Alone Radio Tower FJ2 - Alt 1		Bayshore Boulevard
						to SA-RT FJ1A	2.06	
476+65						Stand Alone Radio Tower FJ2 - Alt 2		Bayshore Boulevard
						to SA-RT FJ1A	2.24	
540+00								
		STATIC	NEQUATIO	N STA B540+00.32 = STA B542+50	.00			
542+50								
	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	
	To Caltrain PS-3		5.73			to SA-RT FJ2 - Alt 2	2.00	
	To Caltrain TPS-2		36.21					
662+50		07470			00			
		STATIC	IN EQUATIO	N STA B662+50.02 = STA B665+00	.00			

ALTERNATIVE A

ALTERNATIVE A (CONTINUED)

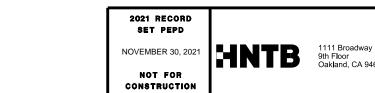
Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (mi)	Automatic Train Control Sites	Dist. to Prev. ATC-D (mi)	Communications Radio Tower
665+00 741+43					,	Stand Alone Radio Tower FJ3 - Alt 1
745+23						to RT TPS- Stand Alone Radio Tower FJ3 - Alt 2
						to RT TPS-
	Broadway PS-3 (Caltrain)	PCEP-PS-3	5 70			Radio Tower PS-3 (Caltrain)
	To Caltrain TPS-1 To Caltrain PS-4		5.73 5.48			to SA-RT FJ3 - Alt to SA-RT FJ3 - Alt
1038+91	To Caldan FS-4		5.40			Stand Alone Radio Tower FJ4 - Alt 1
						to RT PS-
1046+13						Stand Alone Radio Tower FJ4 - Alt 2
						to RT PS-
1179+32	Hillsdale PS-4 (Caltrain) To Caltrain PS-3	PCEP-PS-4	5.48			Radio Tower PS-4 (Caltrain) to SA-RT FJ4 - Alt
	To Caltrain SWS-1		5.89			to SA-RT FJ4 - Alt
1257+62			0.00			Stand Alone Radio Tower FJ5 - Alt 1
						to RT PS-
1269+19						Stand Alone Radio Tower FJ5 - Alt 2
			_			to RT PS-
1383+23			-			Stand Alone Radio Tower FJ6 - Alt 2
						to SA-RT FJ5 - Alt to SA-RT FJ5 - Alt
1387+77						Stand Alone Radio Tower FJ6 - Alt 1
						to SA-RT FJ5 - Alt
						to SA-RT FJ5 - Alt
1420+00						
		STATION		- STA B1419+99.97 = STA B1425+0	00.00	T
1425+00	Redwood Junction SWS-1 (Caltrain)	PCEP-SWS-1				Radio Tower SWS-1 (Caltrain)
	To Caltrain PS-4	FOLF-500-1	5.89			to SA-RT FJ6 - Alt
	To Caltrain PS-5		5.81			to SA-RT FJ6 - Alt
	To Caltrain TPS-1		17.10			
	To Caltrain TPS-2		19.11			
1627+06						Stand Alone Radio Tower FJ7 - Alt 1
						to RT SWS-
1638+84						Stand Alone Radio Tower FJ7 - Alt 2 to RT SWS-
 1725+76						Stand Alone Radio Tower FJ8 - Alt 1
						to SA-RT FJ7 - Alt
						to SA-RT FJ7 - Alt
1728+64						Stand Alone Radio Tower FJ8 - Alt 2
			_			to SA-RT FJ7 - Alt
	West Meedow DS E (Coltrain)	PCEP-PS-5				to SA-RT FJ7 - Alt
	West Meadow PS-5 (Caltrain) To Caltrain SWS-1	PCEP-P5-5	5.81			
1861+61	To Caltrain PS-6		6.69			Stand Alone Radio Tower FJ8A - Alt 2
						to SA-RT FJ8 - Alt
						to SA-RT FJ8 - Alt
1865+41			_			Stand Alone Radio Tower FJ8A - Alt 1
						to SA-RT FJ8 - Alt
 1991+97						to SA-RT FJ8 - Alt Stand Alone Radio Tower FJ9 - Alt 1
						to SA-RT FJ8A - Alt
						to SA-RT FJ8A - Alt
1998+51						Stand Alone Radio Tower FJ9 - Alt 2
						to SA-RT FJ8A - Alt
			_			to SA-RT FJ8A - Alt
2091+76						Stand Alone Radio Tower FJ10 - Alt 1
						to SA-RT FJ9 - Alt to SA-RT FJ9 - Alt
2093+59						Stand Alone Radio Tower FJ10 - Alt 2
-						to SA-RT FJ9 - Alt
						to SA-RT FJ9 - Alt
2154+99	Sunnyvale PS-6 (Caltrain)	PCEP-PS-6				Radio Tower PS-6 (Caltrain)
	To Caltrain TPS-2		6.62			to SA-RT FJ10 - Alt
2268+87						to SA-RT FJ10 - Alt Stand Alone Radio Tower FJ11 - Alt 1
2200+01						to RT PS-
2290+53						Stand Alone Radio Tower FJ11 - Alt 2
			1		1	to RT PS-
2375+19			End of San Er	ancisco to San Jose Section (FJ)		

ALTERNATIVE A (CONTINUED)



Station (SB TRK)	Traction Power Facility (TPF)	TPF ID	Dist. to Prev. TPF (mi)	Automatic Train Control Sites	Dist. to Prev. ATC-D (mi)	Communications Radio Tower	Dist. to Prev. RT (mi)	Cross Street
			S	COTTBOULEVARD				
	Station Eq	uation FJ - ALT. A F	POE (SB) B	2375+19.10 = ALT 4 POB (SB) B28	72+86.55 P	ОВ		
2872+87		Beginning of San J	ose to Merc	ed Section (JM) - CP Coast to CP Li	ck Subsecti			
2874+71						Stand Alone Radio Tower FJ12 - Alt 1		Scott Boulevard
						to SA-RT FJ11 - Alt 1	2.05	
						to SA-RT FJ11 - Alt 2	1.64	
2899+66						Stand Alone Radio Tower FJ12 - Alt 2		Lafayette Street
						to SA-RT FJ11 - Alt 1	2.52	
						to SA-RT FJ11 - Alt 2	2.11	
3002+00	Caltrain PCEP TPS-2	PCEP-TPS-2				Radio Tower PCEP TPS-2		1-880
	To Caltrain TPS-1		36.35			to SA-RT FJ12 - Alt 1	2.41	
	To SS-B - Alt 1		28.81			to SA-RT FJ12 - Alt 2	1.94	
	To SS-B - Alt 2		29.09					
	To Caltrain SWS-1		19.11					
	To SWS-A - Alt 2		15.89					
	To SWS-A - Alt 1		15.98					
	To Caltrain PS-6		6.62					
	To Caltrain PS-7		3.73					
3078+42						Stand Alone Radio Tower JM1A		
						to RT PCEP TPS-2	1.47	
	Diridon Passenger Station							
3141+50				PTC Interlocking				
3196+50				PTC Interlocking				
3199+00	Caltrain PCEP PS-7	PCEP-PS-7						Almaden Road

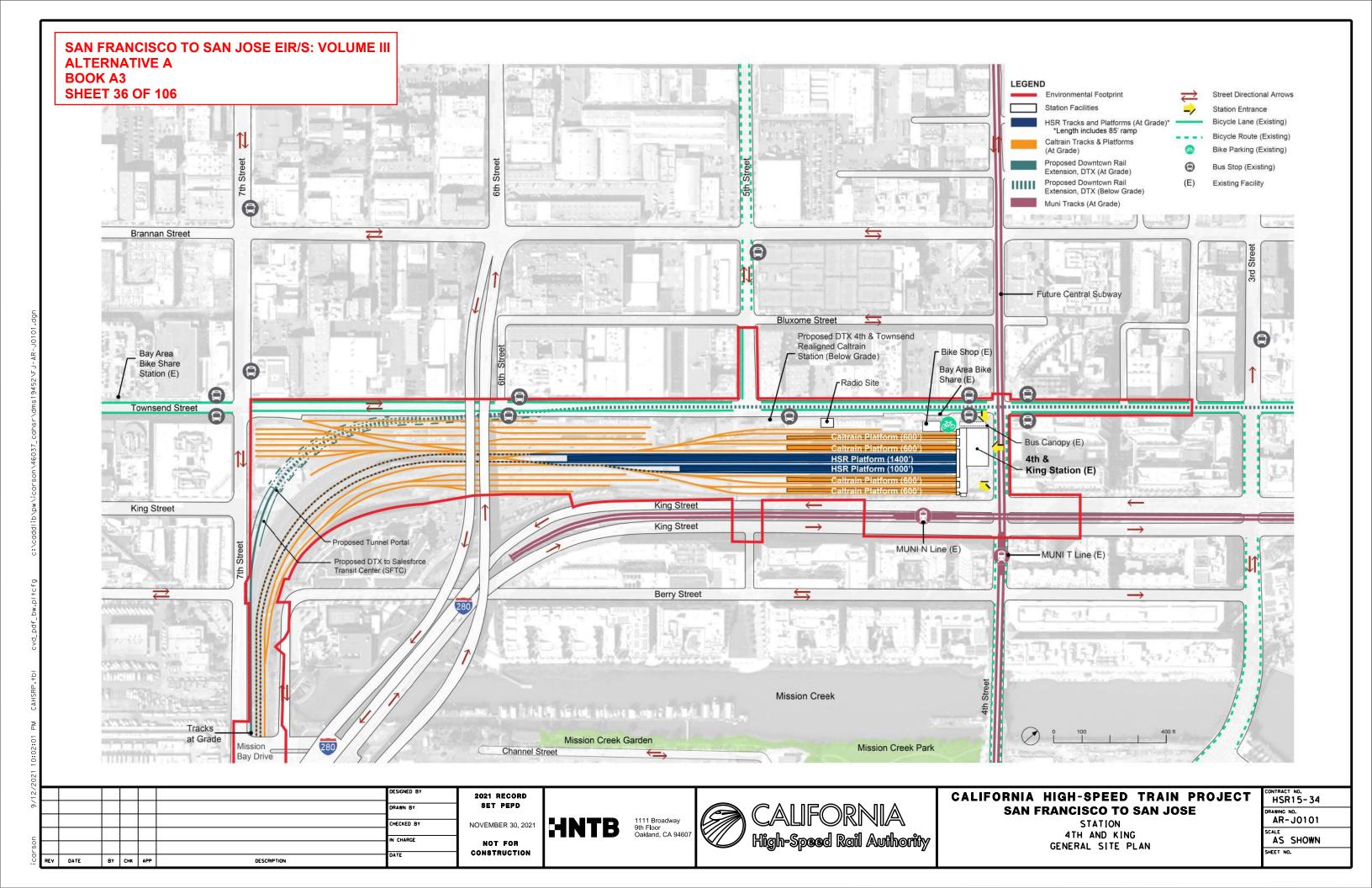
SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE A BOOK A3 SHEET F

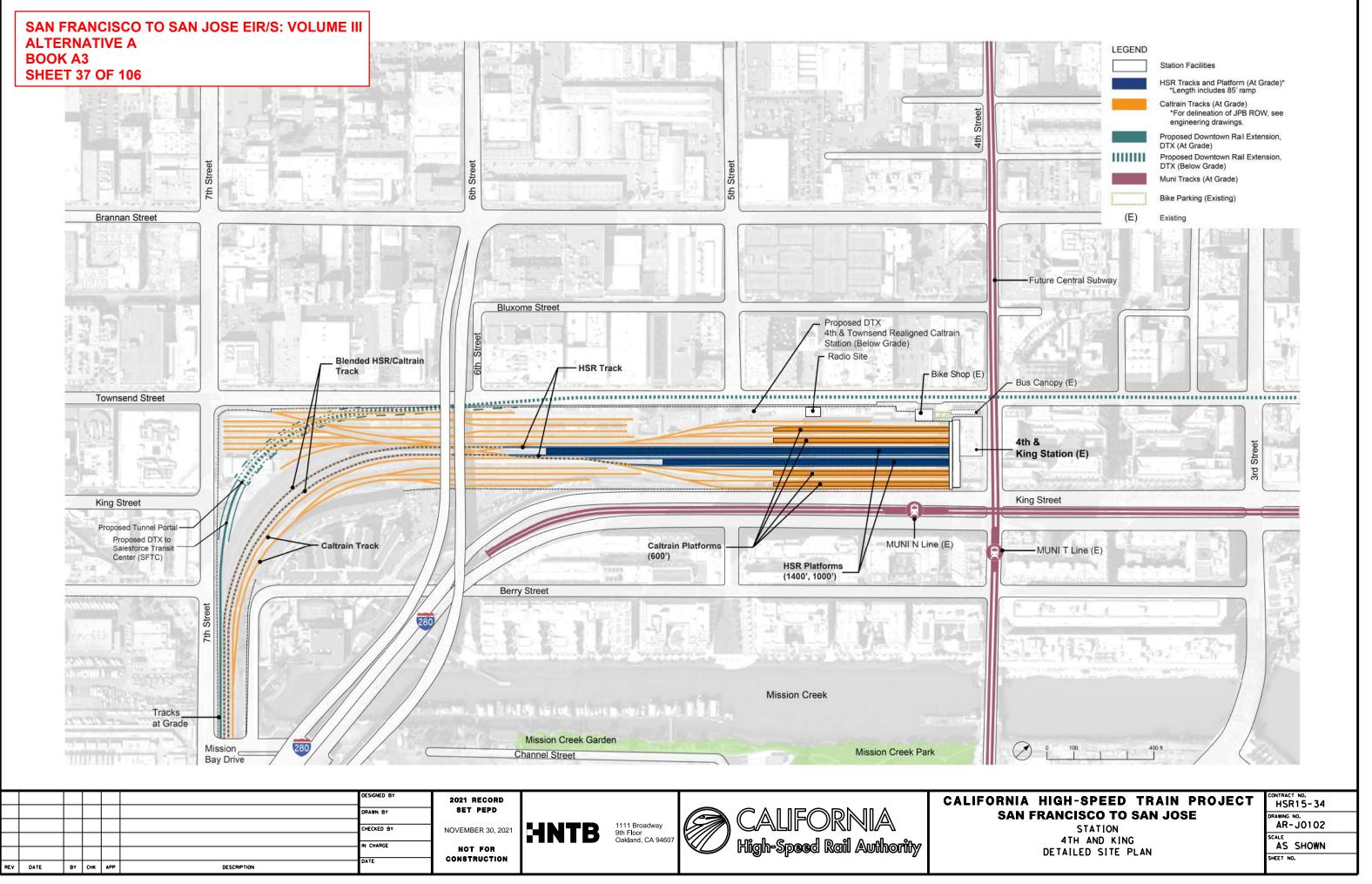


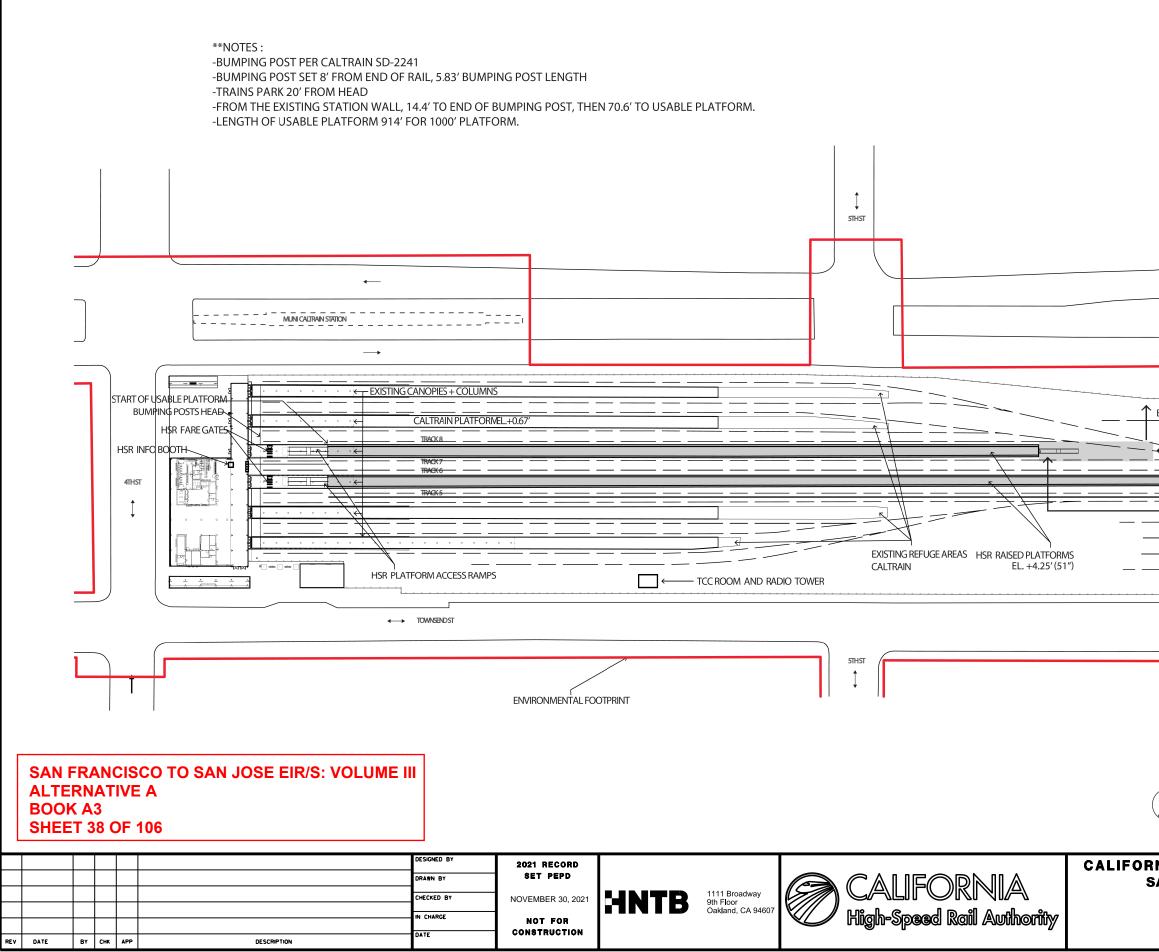
³⁰⁷ CALIFORNIA High-Speed Rail Authority

CALIFORNIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE AL TERNATIVE A KEY MAP SYSTEM SITES

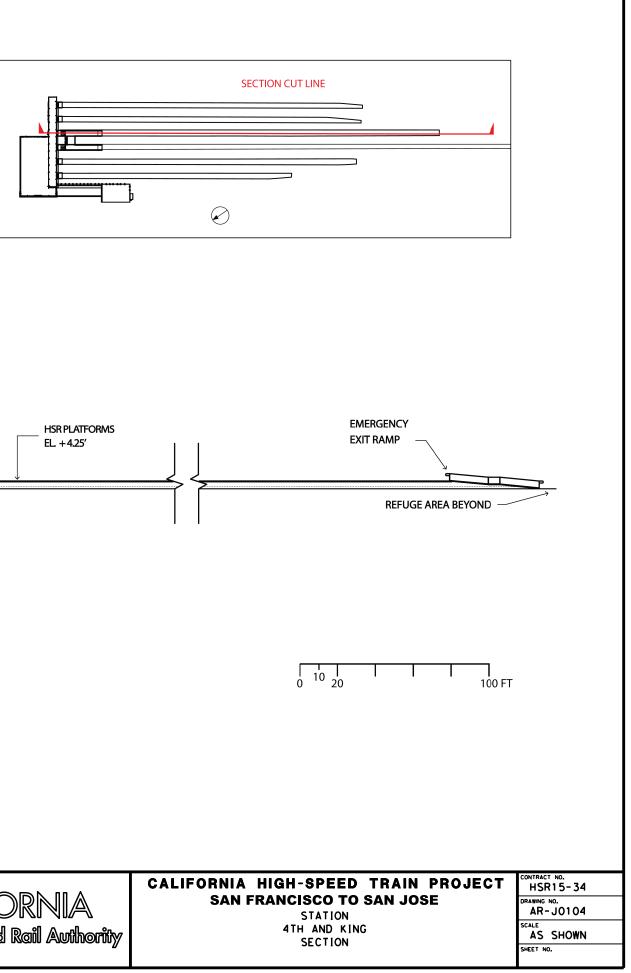
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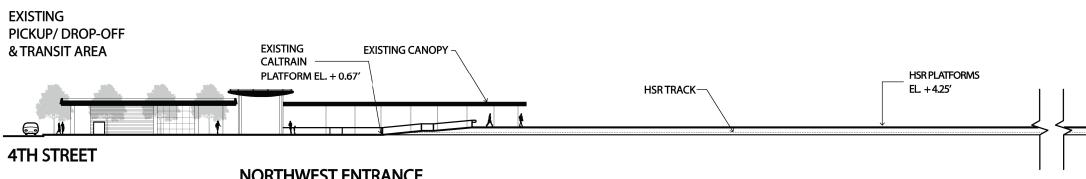






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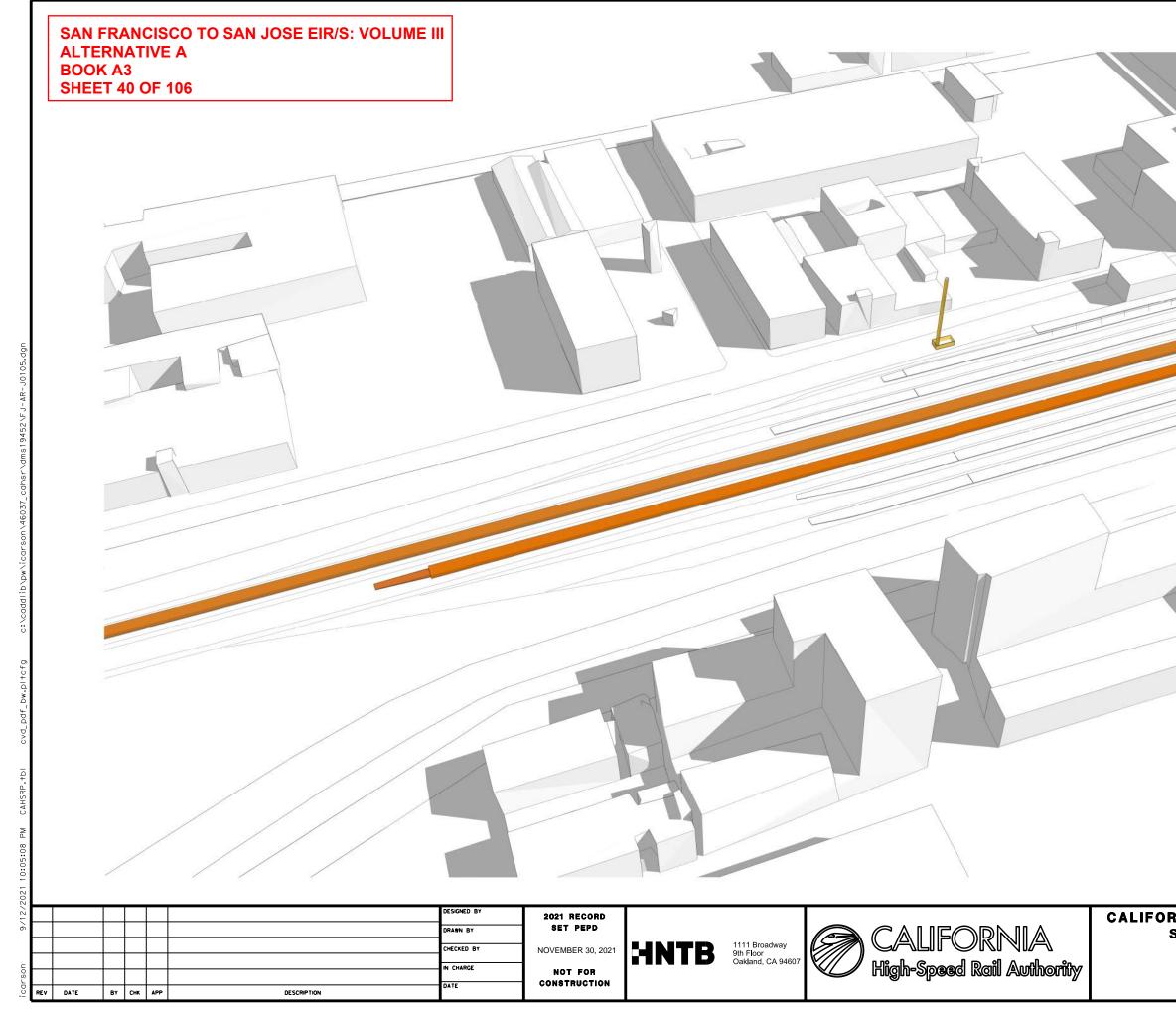


NORTHWEST ENTRANCE FROM TOWNSEND

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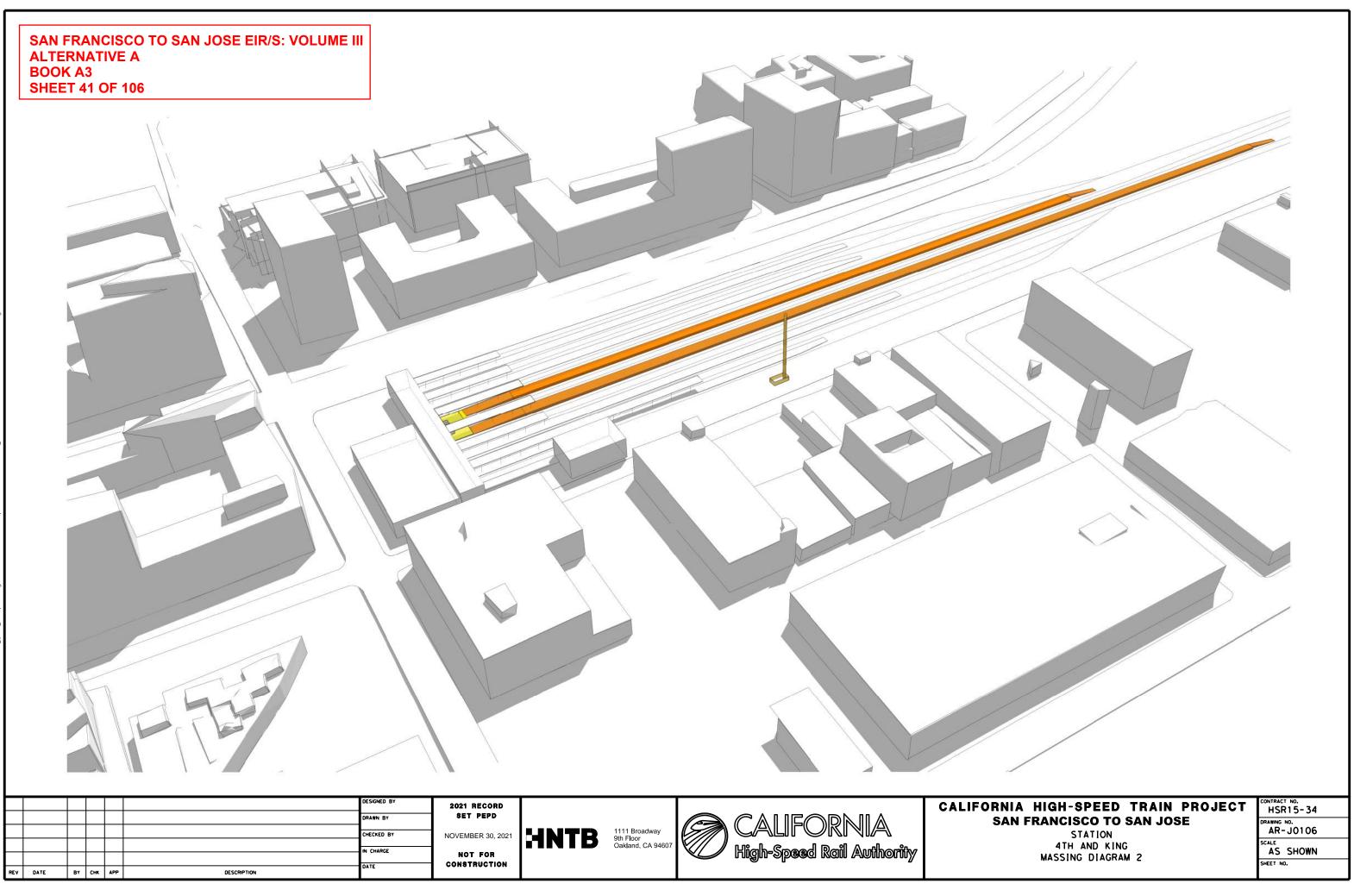
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FRANCISCO TO SAN JOSE EIR/S: VOLUME III ERNATIVE A DK A3 ET 40 OF 106					
	VESIGNED BY VESIGN	21 HNTB 1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA High-Speed Rail Authority	SAN FRANCISCO TO SAN JOSE STATION 4TH AND KING MASSING DIAGRAM 1	CONTRACT NO. HSR15-34 IRAWING NO. AR-J0105 ICALE AS SHOWN IHEET NO.



HNTB	1111 Broadway 9th Floor			SAN
	9th Floor Oakland, CA 94607	\otimes	High-Speed Rail Authority	

4th & King Station Prograr	nming & Area Requirements Table			
Category	Description	Formula	Requirement Area/ Unit	
Daily Peak Ridership Boardings 2029	Long distance	10,175	10,175	Planning Memorandum Station Boardings, Acc
P360B	Highest Daily Boardings X Conversion Factor for Boardings=6 Hour Boardings	Highest Daily Boardings x 0.67=P360B 10,175 x 0.67	6,817	
P360A	Peak 6 Hour Boardings X Conversion Factor for Alightings =6 Hour Alightings	P360B x 0.75=P360A 6,817 x 0.75	5,113	
P60B	Peak 6 Hour Boardings x Peak Hour Conversion Factor for Boardings=Peak Hour Boardings	P360B x 0.17=P60B 6,817 X 0.17	1,159	
P60A	Peak Hour Boardings x Peak Hour Conversion Factor for Alightings=Peak Hour Alightings	P60B x 0.75=P60A 1,159 x 0.75	869	
P30B	Peak Hour Boardings /2 x Surge Factor = Peak 30-minute Boardings	(P60B /2) x 1.2=P30B (1,159/2) x 1.2	695	
P30A	Peak 30-minute Boardings x Conversion Factor = Peak 30-minute Alightings	P30B x 0.075=P30A 695 x 0.75	522	
P15B	Peak Hour Boardings / 4 x Surge Factor = Peak 15-minute Boardings	(P60B / 4) x 1.3= P15B (1,159 /4) x 1.3	377	California HSTP Design Criteria, Chapter 14
P15A	Peak 15-minute Boardings x Conversion Factor=Peak 15-minute Alightings	P15B x 0.75=P15A 377 x 0.75	282	
P5B	Peak Hour Boardings /12 x Surge Factor = Peak 5-minute Boardings	(P60B / 12) x 1.4= P5B (1,159/12) x 1.4	135	Table 14-3
P5A	Peak 5-minute Boardings x Conversion Factor = Peak 5-minute Alightings	P5B x 0.75=P5A 135 x 0.75	101	7
P1B	Peak Hour Boardings /60 x Surge Factor=Peak 1-minute Boardings	(P60B /60) x 1.5=P1B (1,159/60) x 1.5	29	7
P1A	Peak 1-minute Boardings x Conversion Factor for Alightings=Peak 1-minute Alightings	P1Bx0.75 29x0.75	22	
Cf	Unobstructed Net Concourse Free Public Area Circulation Width	(P15B+P15A)/(15x10 people/ft/min) or 16 ft min. (377+282)/(15x10 people/ft/min)	16	
Wf	Net Waiting Area in Concourse Free Public Area	((P15Bx1.1) + (P15Ax0.1))x 14 SF ((377x1.1) +(282x0.1)) x 14	6,196	
Public Restrooms	Women + Men + Unisex accessible restroom for each group	(P15B+P15A)/2 (377+282)/2	330	14.3.4 Public Restrooms
Passenger Amenity Space Allocation	Station Design Target Yr. Daily Boardings	9,000	9,000	California HSTP Design Criteria, Chapter 14 - St Table 14-7
Ticket Windows	Station Quantity	P60B/600 1159/600	2	
Ticket Vending Machines		P60B/280 1159/280	4	14.3.5.6
Value Added Machines	2 Per Each Fare Paid Area		3	14.3.5.6
Fare Gates		P15A /50 ppm 282/50 One additional gate to be provided if under 10	6	14.3.5.6 D
Emergency Gates			2	14.3.3.6
Sr	Seating at Concourse Fare Free Waiting Area	((P15B x 1.1) + (P15A x 0.1)) x 0.25	1,043	Table 14-22: Station Seating
		•		•

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE A BOOK A3 SHEET 42 OF 106

				NOT FOR Construction			High-Speed Rail Authority	
			IN CHARGE			Oakland, CA 94607	Lisah Greed Dail Arthority	
			CHECKED BY	NOVEMBER 30, 2021	JNTD	1111 Broadway 9th Floor Oakland, CA 94607	CALIFORNIA	-
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Comments	
ss and Parking INST-PLAN-05	
Oct 2015, Working Draft, Rev.2 Table 14-1 Passenger Ridersh Assumptions	nip
e Circulation and Waiting Areas	
larch Rev.2 14.3.5.5 Station Public Amenity (Commercial) Space	ces,
HIGH-SPEED TRAIN PROJECT	
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STATION 4th AND KING FACILITY SIZING TABLE

SCALE AS SHOWN SHEET NO. 4th & King Station Facility Sizing Table

Projected Daily Ridership (2029) 10,175, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

STATION TYPE: Temporary, Tenant at Caltrain's 4th and King Station facility. As a result, the program considers the following: 1. HSR will be a tenant at Caltrain's 4th and King Station facility and HSR operation at 4th and King will be temporary. HSR platforms will be designed and constructed to be removed when all HSR train service moves to SFTC. 2. HSR platforms are modified from Caltrain platforms which are existing and non-conforming to current CBC and NFPA 130 design standards. HSR's tenant improvements are subjected to review and approval by owner and/or reviewing agency who has ju 3. HSR will operate one 700' trainset with 455 passengers max at each platform at any given time. HSR's passenger load is significantly lower than designated Caltrain passenger load and thus does not alter required passenger evacuation on platform. 4. Proposed HSR platform tenant improvements are Type II Construction, non-combustible construction, suitable for open station construction as defined by CBC.

	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14:Stations	Comments
	Station Concourse (Free Area - Main Hall)	NA	1.2	19,774	P15 x 30sf/person 389 x 30	14.3.5.3	P15 = P15 B + P15 A = 389 Using Memorandum dated May 10, 2016, A
	Entrances					14.3.5.2	# TBD, 15 ft width at least one entrance
	Mezzanine						Included with the Concourse Area
	Passenger Waiting Area	NA	1.2	6,196	((P15B x 1.1)+(P15Ax0.1)) x 14 SF	14.3.5.3.B.C Table 14-3	California HSTP Design Criteria, Chapter 14-Stations, March 2016, Rev. 2, Circulation and Waiting Areas
Public Free Areas	Ticket Vending Machines (TVM)	104	1.2	4	P60B/280, 1,159/280	Table 14-5	Includes queuing space
	Baggage Storage (Concessionaire)	NA					TBD
	Retail (Concessionaire)	NA	1.2	9,000		Table 14-7	More than 15,000 daily boardings
ublic	Restaurant (Concessionaire)	NA				Table 14-7	Included in the 9,000 SF
Concourse Pu	Food Service (Concessionaire)	NA				Table 14-7	Included in the 9,000 SF
	Business Lounge	NA	1.2	600		14.3.5.7.C	Without restrooms
	Public Restrooms	NA	1.2	2040	CBC 2016, CPC 2016 (P15B + P15A)/2	14.3.5.4	A-3 Assembly Occupancy, 502 male, 502 female, 2 unisex Female: 7 water closets, 5 lavatories Male: 3 water closets, 4 urinal, 5 lavatories 2 drinking fountains
	Janitor Closets	NA	1.2	240	60 x 4	14.3.7.1.D	Located in concourse free area, platform, and each restroom.
	Subtotal	104					
ses	Ticket Window Counters	NA	2	150	Window Counter 5F min. 75 SF/window (2 Windows) P60B/600, 1,159/600	14.3.5.6.B 14.3.5.7A	
d An	Station Patron Information Booth	100	1	100	Standard Unit (Kiosk)	14.3.5.7.B	
Idar	Red "Cap" Booth						TBD
Star	Police Office	NA	2	500		14.3.6.2.A	
Security & Standard Areas	Police Restrooms + Lockers			TBD	CBC 2016, CPC 2016		
Sect	Janitor Closets	NA	2	60		14.3.7.1.D	
	Security Guard Office	NA	2	144 SF		14.3.6.2.B	
	Subtotal	100					

						DESIGNED BY	NOVEMBER 30, 2021	SET PEPD				CALIFOR
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risdiction over the facility.	
5, Attachment E Facility Sizing Table Example	
, Attachment E Facility Sizing Table Example	
, Attachment E Facility Sizing Table Example	
, Attachment E Facility Sizing Table Example	
2, Table 14-1 Passenger Ridership Assumptions, Table 14-3 Concourse	
2, Table 14-1 Passenger Ridership Assumptions, Table 14-3 Concourse	
2, Table 14-1 Passenger Ridership Assumptions, Table 14-3 Concourse	
, Table 14-1 Passenger Ridership Assumptions, Table 14-3 Concourse	
NIA HIGH-SPEED TRAIN PROJECT HSR 15-34	
AN FRANCISCO TO SAN JOSE	
31A110N	
FACILITY SIZING TABLE	

4th & King Station Facility Sizing Table

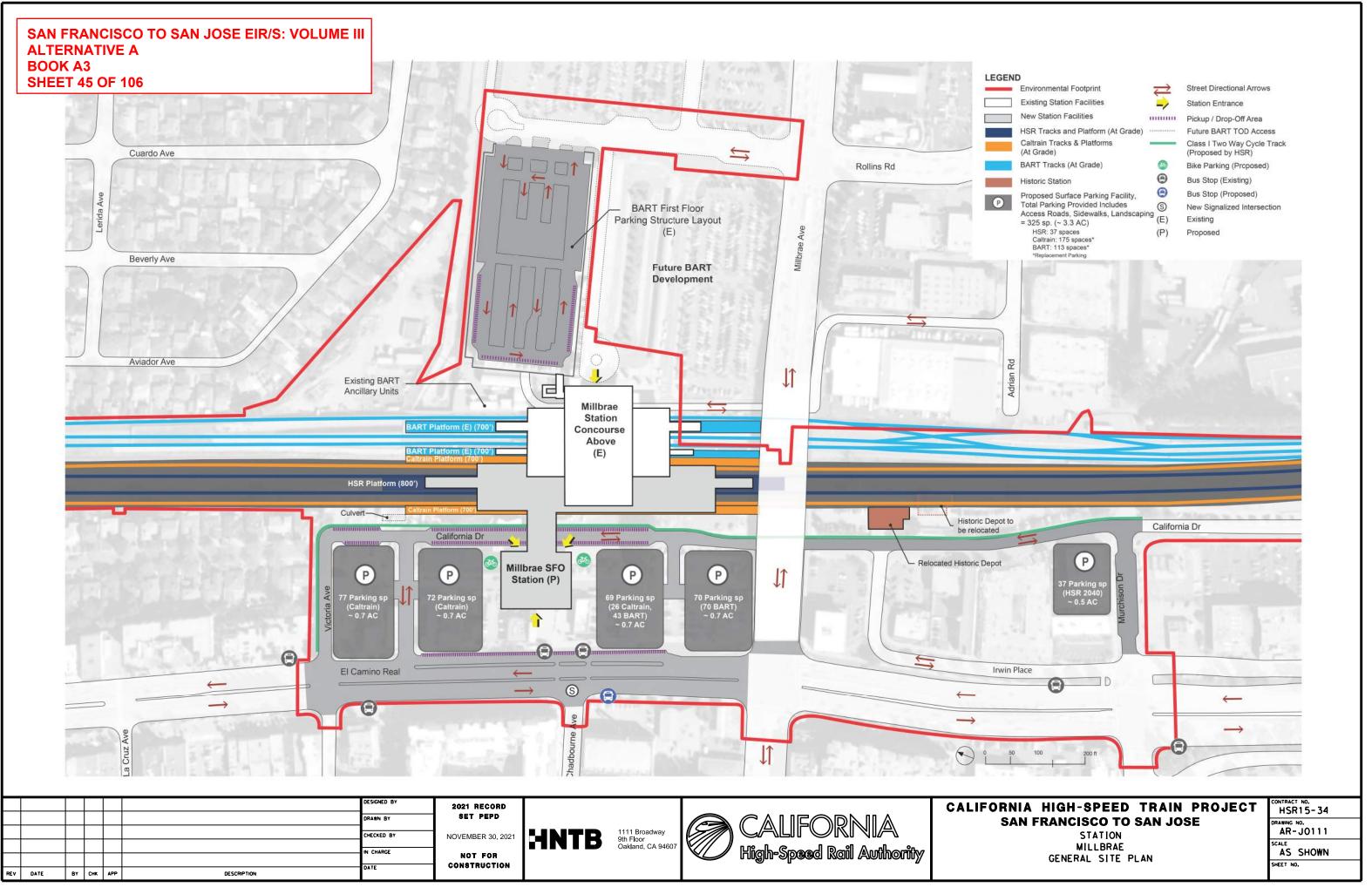
Projected Daily Ridership (2029) 10,175, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

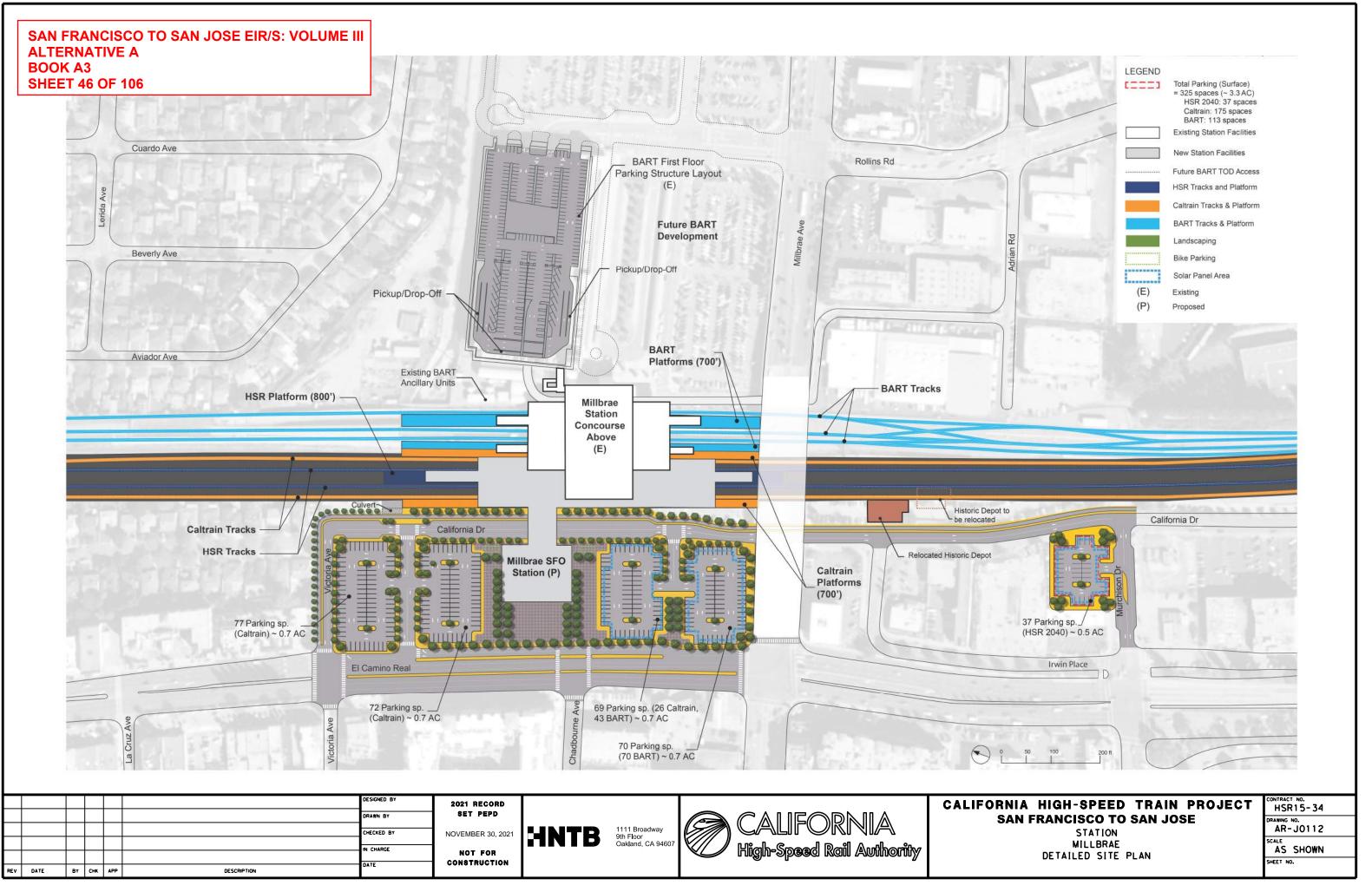
STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

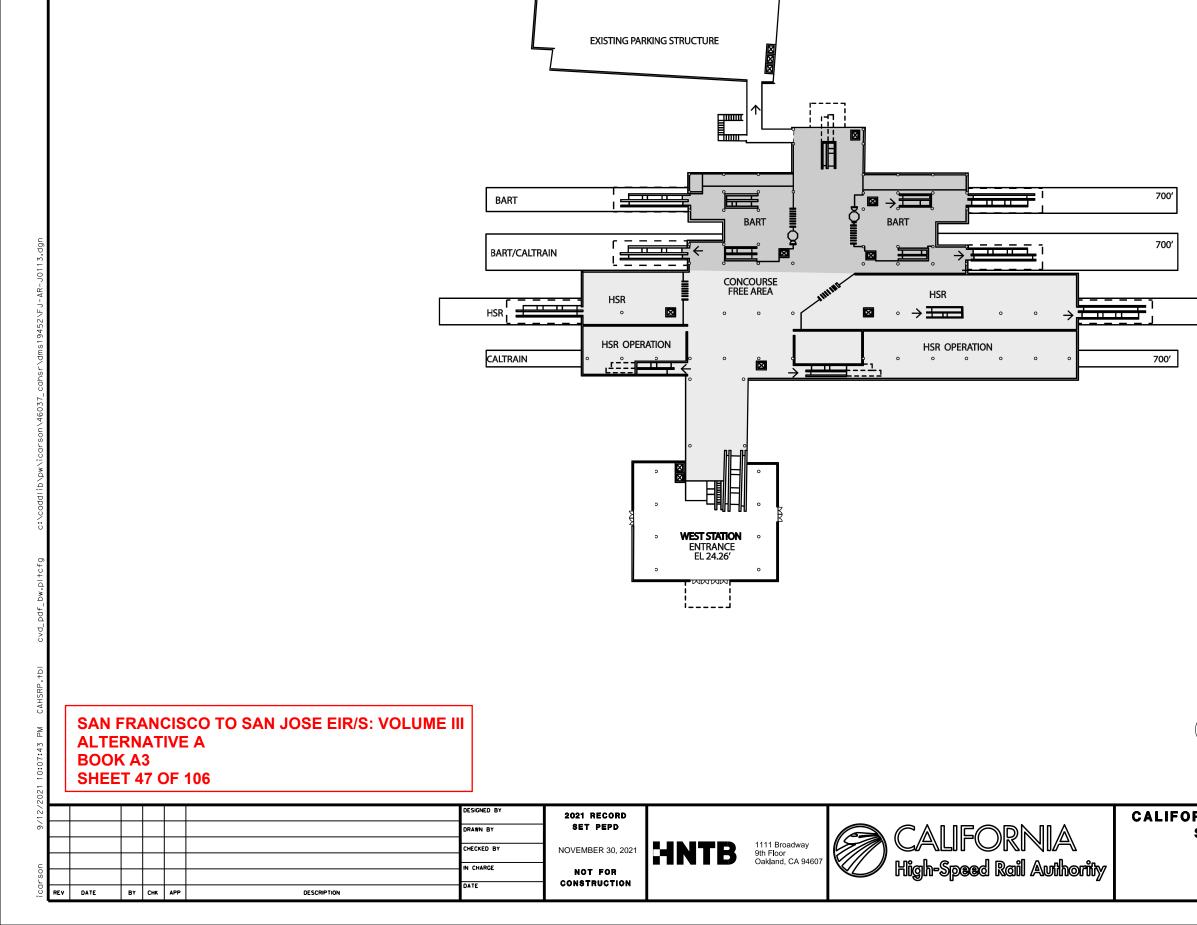
	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14:Stations	Comments
	Ticket Admin., Handling & Storage	NA	2	260		14.3.5.6.B	Ticket Administration Office 75SF/window
						14.3.5.7	
						14.3.6.2.C-D	
	Lost & Found & First Aid Room	NA	2	200	100 SF x (2)	14.3.6.1.E-F	
	Station Control Room (SCR)	NA	2	1,100		14.3.6.2.E	
	Main Station Computer Room	NA	2	500		14.3.6.2.F	
	Temporary Incident Command Post (CP)	NA	2	300		14.3.6.2.G	
	Station Operation Room (SOR)	NA	2	1,100		14.3.6.2.H	
	SOR Dedicated Computer Room, SOR Workroom	NA	2	500		14.3.6.2.F-H	
yln	Main OCC Computer Room	NA	2	500		14.6.3.2.F	
Non-Public Station Staff Only	Staff Lockers, Showers, Restrooms	NA	2		CBC 2016	14.3.6.1.I	Will need number of staff projection to determine SF required.
ו Sta	Janitor Closets	NA	2	60		14.3.7.1.C	
atior	Staff Breakroom & Meeting Rooms	NA	2	400	200 SF x (2)	14.3.6.1.G-H	200 SF min or as req to provide 25 SF /staff
c Sta	Station Manager Office	NA	2	144		14.3.6.1.A	
ubli	Facility Manager's Office	NA	2	144		14.3.6.1.C	
d-n	Administration Office Space	NA	2	300		14.3.6.1.B	
No	Facilities Maintenance Office	NA	2	330		14.3.6.1.C	
	Station General Storage Rooms	NA	2	200		14.3.7.1.E	Add 60 SF for misc. storage if required.
	Platform Area Op. Mgt. Booth	NA	1	100	Standard Unit	14.3.6.2.1	One OMB to be provided on each platform.
	Train Control /Communications Room	NA	2	1,915		14.3.7.2	Table 14-8, for the train control and communications equipment.
	Entrance Facility Room	NA	2	240		14.3.7.2	Table 14-8, for entry of service cabling into the building. May be co-locat
	3rd Party Telecom Room	NA	2	120		14.3.7.2	Table 14-8, for local telephone company.
	Communications Closets	NA	2	130	130 SF each	14.3.7.2	Table 14-8, number TBD. Locate close to center of each 10,000 SF of Stat
	Renewable Energy/Stormwater	NA		TBD			
	Subtotal	0					
	TOTAL AREA - ENTRANCE & CONCOURSE:	204					
es NS	Mech., Elec. & Plumbing Rooms	NA		TBD	Gross Factor	14.3.7.2	
irvic	Battery Room	NA	2	400	200 SF x (2)	14.3.7.4.B	Two rooms required, including one room at each end of station for low v
Bldg Services & Plant Rooms	UPS Room	NA	2	1,800	900 SF x (2)	14.3.7.4.C	Two rooms required, one at each end of station for LV distribution, trans
Bld Pla	Fire Detection & Protection Rooms	NA		TBD	Gross Factor	14.3.7.6	
eas	Main Station Recycling/Refuse	NA	2	150	150 SF min.	14.3.7.1.A	
nt. Are	Secondary Station Recycling	NA	2	60		14.3.7.1.C	
Maint. Support Areas	Landscape Maintenance Room	NA	2	100		14.3.7.1.F	
Idns	Loading Dock	NA		TBD		14.3.7.1.H	
	FACILITIES TO BE SHARED WITH CALTRAIN	0					

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NIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
AN FRANCISCO TO SAN JOSE	DRAWING NO. AR-J0109
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FACILITY SIZING TABLE	AS SHOWN SHEET NO.
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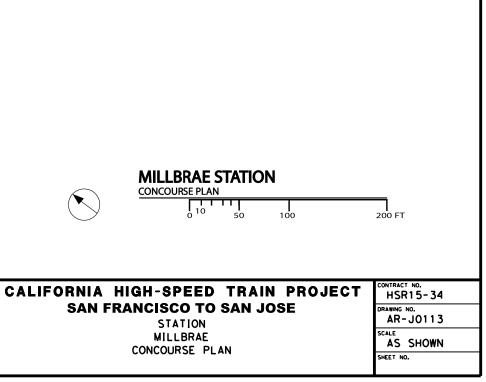




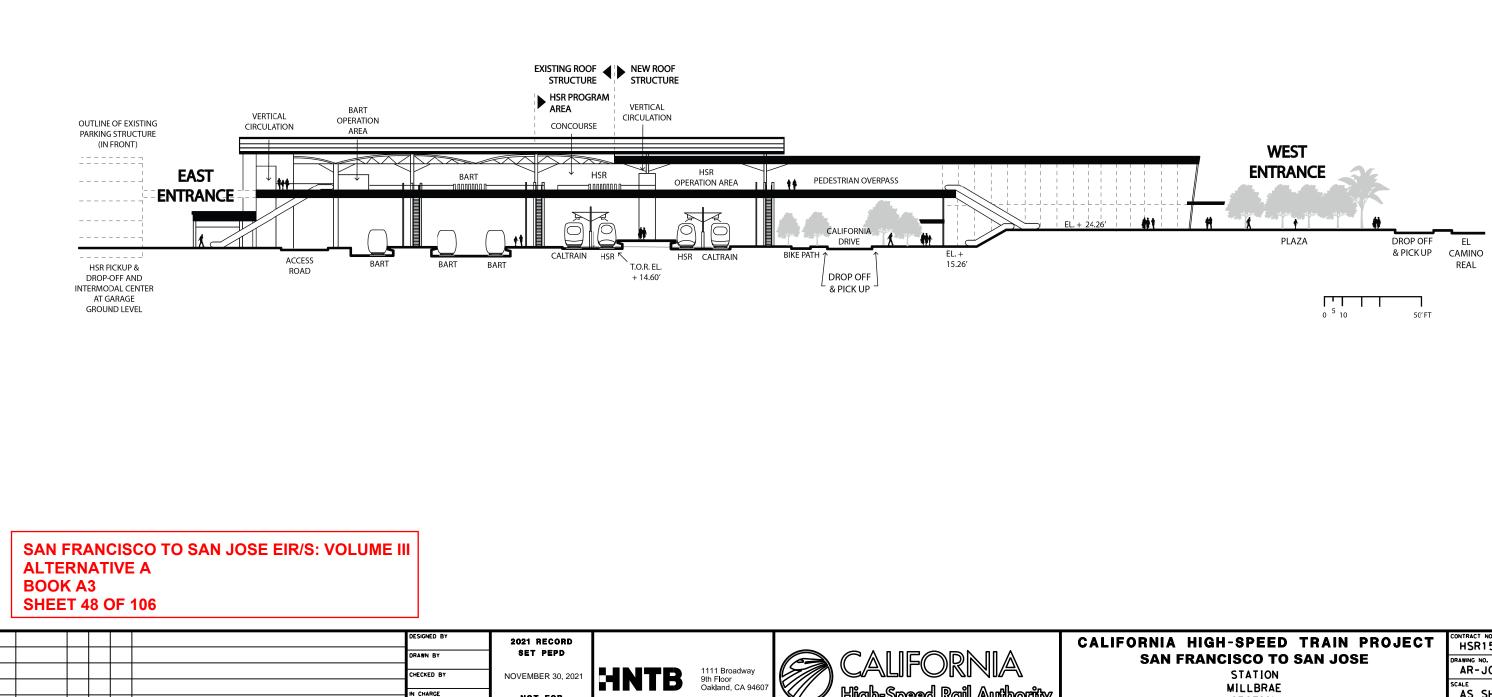
EXISTING STATION

PROPOSED HSR STATION DEVELOPMENT

800′



EXISTING HISTORIC DEPOT



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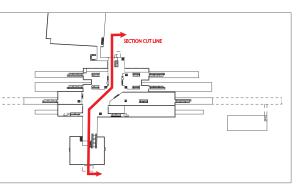
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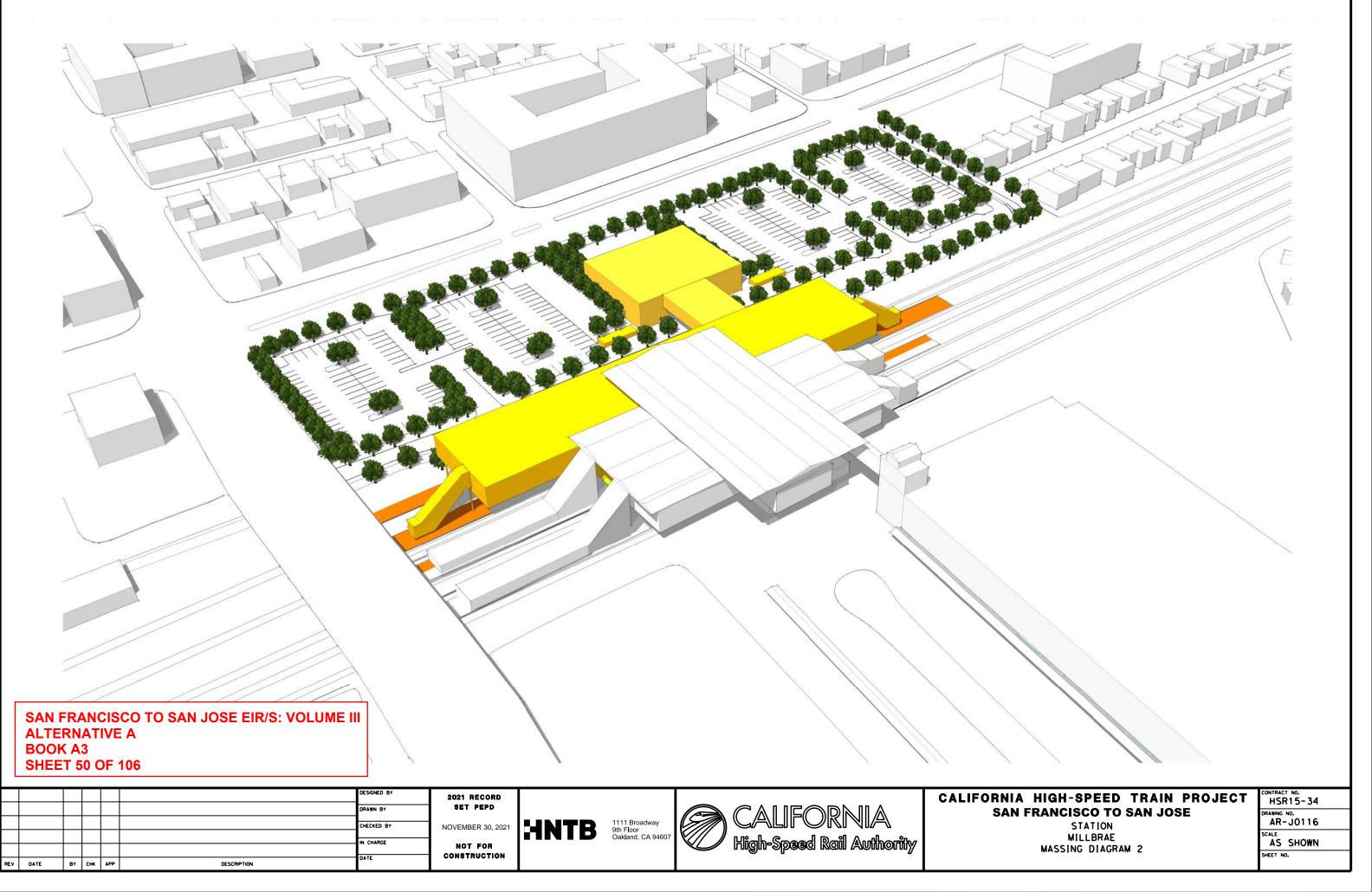


NIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN FRANCISCO TO SAN JOSE STATION	DRAWING NO. AR-J0114
MILLBRAE SECTION	AS SHOWN
	SHEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE A BOOK A3 SHEET 49 OF 106	2021 RECORD SET PEPD		CALI

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Category	Description	Formula	Requirement Area/ Unit	
Daily Peak Ridership Boardings 2040	Long distance	5,570	5,570	Planning Memorandum Station Boardings, Access
P360B	Highest Daily Boardings X Conversation Factor for Boardings=6hour Boardings	Highest Daily Boardings x 0.67=P360B 6,000 x 0.67	3,732	
P360A	Peak 6 Hour Boardings X Conversation Factor for Alightings =6hour Alightings	P360B x 0.75=P360A 10,385 x 0.75	2,799	-
P60B	Peak 6 hour Boardings x Peak hour conversion Factor for Boardings=Peak Hour Boardings	P360B x 0.17=P60B 10,385 X 0.17	634	7
P60A	Peak Hour Boardings x Peak Hour Conversion Factor for Alightings=Peak Hour Alightings	P60B x 0.75=P60A 1,765 x 0.75	476	7
P30B	Peak Hour Boardings /2 x Surge Factor = Peak 30-minute Boardings	(P60B /2) x 1.2=P30B (1,765/2) x 1.2	381	
P30A	Peak 30-minute Boardings x Conversion Factor = Peak 30 minute Alightings	P30B x 0.075=P30A 1,059 x 0.75	285	
P15B	Peak Hour Boardings / 4 x Surge Factor = Peak 15- minute Boardings	(P60B / 4) x 1.3= P15B (1,765 /4) x 1.3	206	California LICTO Design Cuitoria, Chanter 14 Sta
P15A	Peak 15-minute Boardings x Conversion Factor=Peak 15 minute Alightings	P15B x 0.75=P15A 574 x 0.75	155	California HSTP Design Criteria, Chapter 14-Sta
P5B	Peak Hour Boardings /12 x Surge Factor = Peak 5-minute Boardings	(P60B / 12) x 1.4= P5B (1,765 /12) x 1.4	74	Table 14-3 Con
P5A	Peak 5-minute Boardings x Conversion Factor = Peak 5-minute Alightings	P5B x 0.75=P5A 206 x 0.75	56	
P1B	Peak Hour Boardings /60 x Surge Factor=Peak 1 Minute Boardings	(P60B /60) x 1.5=P1B (1,765/60) x 1.5	16	-
P1A	Peak 1-minute Boardings x Conversion Factor for Alightings=Peak 1 Minute Alightings	P1Bx0.75 17x0.75	12	
Cf	Unobstructed Net Concourse Free Public Area Circulation Width	(P15B+P15A)/(15x10 people/ft/min) or 16 ft min. (222+167)/(15x10 people/ft/min)	16	
Wf	Net Waiting Area in Concourse Free Public Area	((P15Bx1.1) + (P15Ax0.1))x 14 square feet ((222x1.1) +(167x0.1)) x 14	3,392	
Public Restrooms	Women + Men + Unisex accessible restroom for each group	(P15B+P15A) / 2 (222+167) /2	180	14.3.4 Public Restrooms
Passenger Amenity Space Allocation	Station Design Target Yr. Daily Boardings	9,000	9,000	California HSTP Design Criteria, Chapter 14 - Static Table 14-7
Ticket Windows	Station Quantity	P60B/600 1765/600	1	
Ticket Vending Machines		P60B/280 1765/280	2	14.3.5.6
Value Added Machines	2 Per Each Fare Paid Area		3	14.3.5.6
Fare Gates		P15A /50 ppm 430/50 One additional gate to be provided if under 10	3	14.3.5.6 D
Emergency Gates			2	14.3.3.6
Sr	Seating at Concourse Fare Free Waiting Area	((P15B x 1.1) + (P15A x 0.1)) x 0.25	571	Table 14-22: Station Seating

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE A BOOK A3 SHEET 51 OF 106

			DATE	CONSTRUCTION			S U U		
			IN CHARGE	NOT FOR			High-Speed Rail Authority		
							9th Floor Oakland, CA 94607		
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Comment

ss, Egress and Parking INST-PLAN-05

Stations, Oct 2015, Working Draft, Rev.2 Table 14-1 Passenger Ridership Assumptions Concourse Circulation and Waiting Areas

tions, March Rev2. 14.3.5.5 Station Public Amenity (Commercial) Spaces,

NIA HIGH-SPEED TRAIN PROJECT SAN FRANCISCO TO SAN JOSE STATION MILLBRAE FACILITY SIZING TABLE

CONTRACT NO. HSR15-34
AR-J0117
AS SHOWN
SHEET NO.

	Millbrae	Station	Facility	v Sizing	Tabl
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Projected Daily Ridership (2040) 5,570, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14:Stations	Comments
	Station Concourse (Free Area - Main Hall)	12,990	1.2	10,825	P15 x 30sf/person 389 x 30	14.3.5.3	P15 = P15 B + P15 A = 389 Using Memorandum dated May 10, 2016, Att
	Entrances					14.3.5.2	# TBD, 15 ft width at least one entrance
	Mezzanine						Included with the Concourse Area
as	Passenger Waiting Area	4,070	1.2	3,392	((P15B x 1.1)+(P15Ax0.1)) x 14 SF	14.3.5.3.B.C Table 14-3	California HSTP Design Criteria, Chapter 14-Stations, March 2016, Rev 2, Ta Circulation and Waiting Areas
Free Areas	Ticket Vending Machines (TVM)	68	1.2	2	P60B/280, 1765/280	Table 14-5	Includes Queuing space
	Baggage Storage (Concessionaire)	TBD					TBD
Public F	Retail (Concessionaire)	10,800	1.2	9,000		Table 14-7	More than 15,000 daily boardings
	Restaurant (Concessionaire)	0				Table 14-7	Included in the 9,000 SF
urse	Food Service (Concessionaire)	0				Table 14-7	Included in the 9,000 SF
Concourse	Business Lounge	720	1.2	600		14.3.5.7.C	Without restrooms
	Public Restrooms	2448	1.2	2040	CBC 2016, CPC 2016 (P15B + P15A)/2	14.3.5.4	A-3 Assembly Occupancy, 502 Male, 502 Female, (2) Unisex Female: 7 Water closets, 5 Lavatories Male: 3 Water closets, 4 Urinals, 5 Lavatories 2 Drinking fountains
	Janitor Closets	288	1.2	240	60 x 4	14.3.7.1.D	Located in concourse free area, platform, and each restroom.
Standard Areas	Ticket Window Counters	317	2	150	Window Counter 5F min. 75 SF/window (2 Windows) P60B/600, 1,765/600	14.3.5.6.B 14.3.5.7A	
tand	Station Patron Information Booth	100	1	100	Standard Unit (Kiosk)	14.3.5.7.B	
Σ.	Red "Cap" Booth						TBD
	Police Office	1000	2	500		14.3.6.2.A	
Security	Police Restrooms + Lockers			TBD	CBC 2016, CPC 2016		
Sec	Janitor Closets	120	2	60		14.3.7.1.D	
	Security Guard Office	288	2	144 SF		14.3.6.2.B	

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE A BOOK A3

SHEET 52 OF 106

			IN CHARGE	NOT FOR Construction	NOT FOR		Oakland, CA 94607	High-Speed Rail Authority			
			CHECKED BY	NOVEMBER 30, 2021	NOVEMBER 30, 2021	NOVEMBER 30, 2021	NOVEMBER 30, 2021	NOVEMBER 30, 2021	DVEMBER 30, 2021 HINTB 1111 Broadway 9th Floor Oakland, CA 94607		
			DESIGNED BY DRAWN BY	2021 RECORD Set Pepd				CALIFORI S/			

achment E Facility Sizing Table Example	
ole 14-1 Passenger Ridership Assumptions, Table 14-3 Concourse	
IIA HIGH-SPEED TRAIN PROJECT	
AN FRANCISCO TO SAN JOSE	5-34
NIA HIGH-SPEED IRAIN PROJECT HSR1	5-34 0118

Millbrae Station Facility Sizing Table

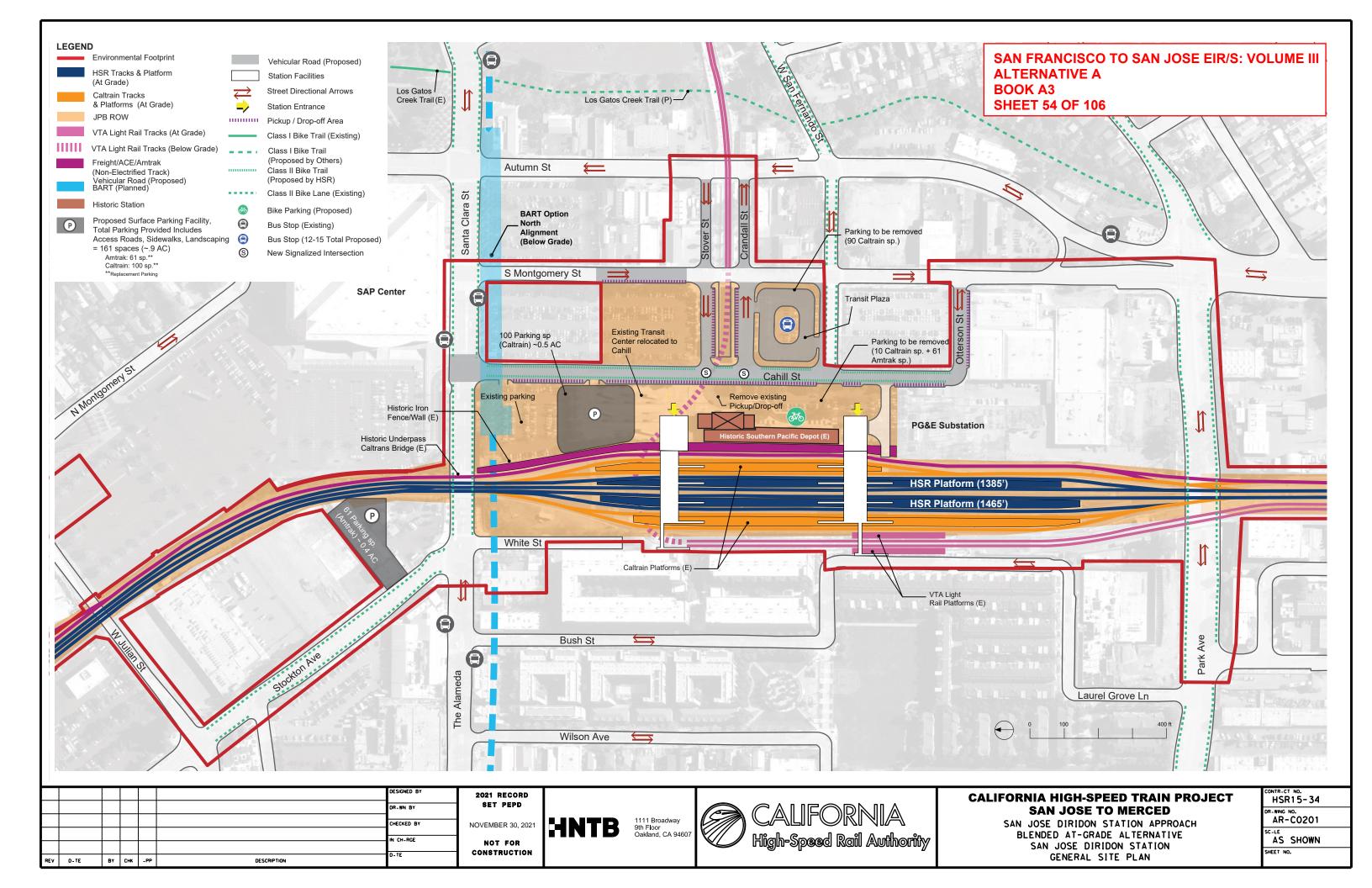
Projected Daily Ridership (2040) 5,570, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

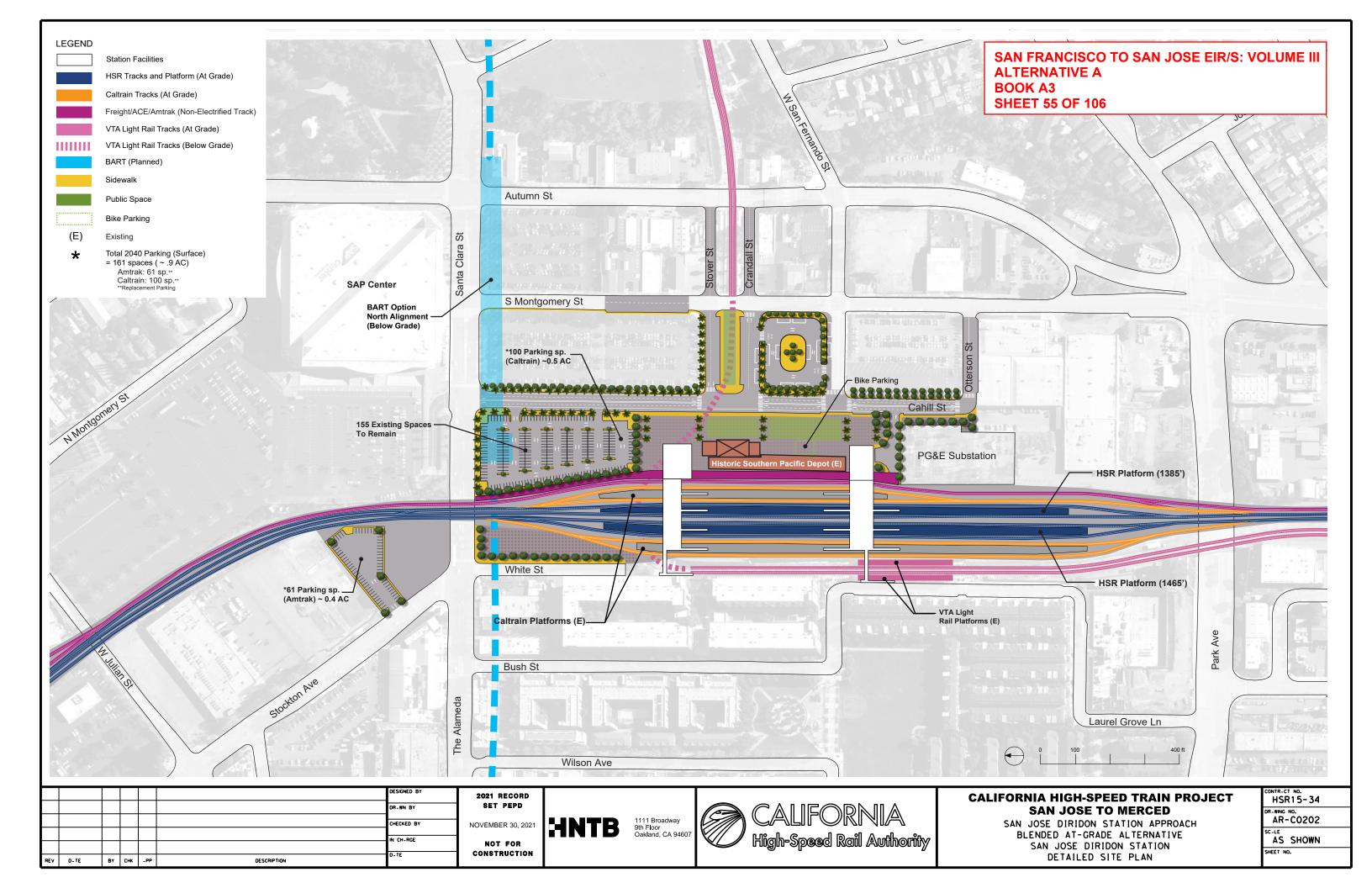
STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

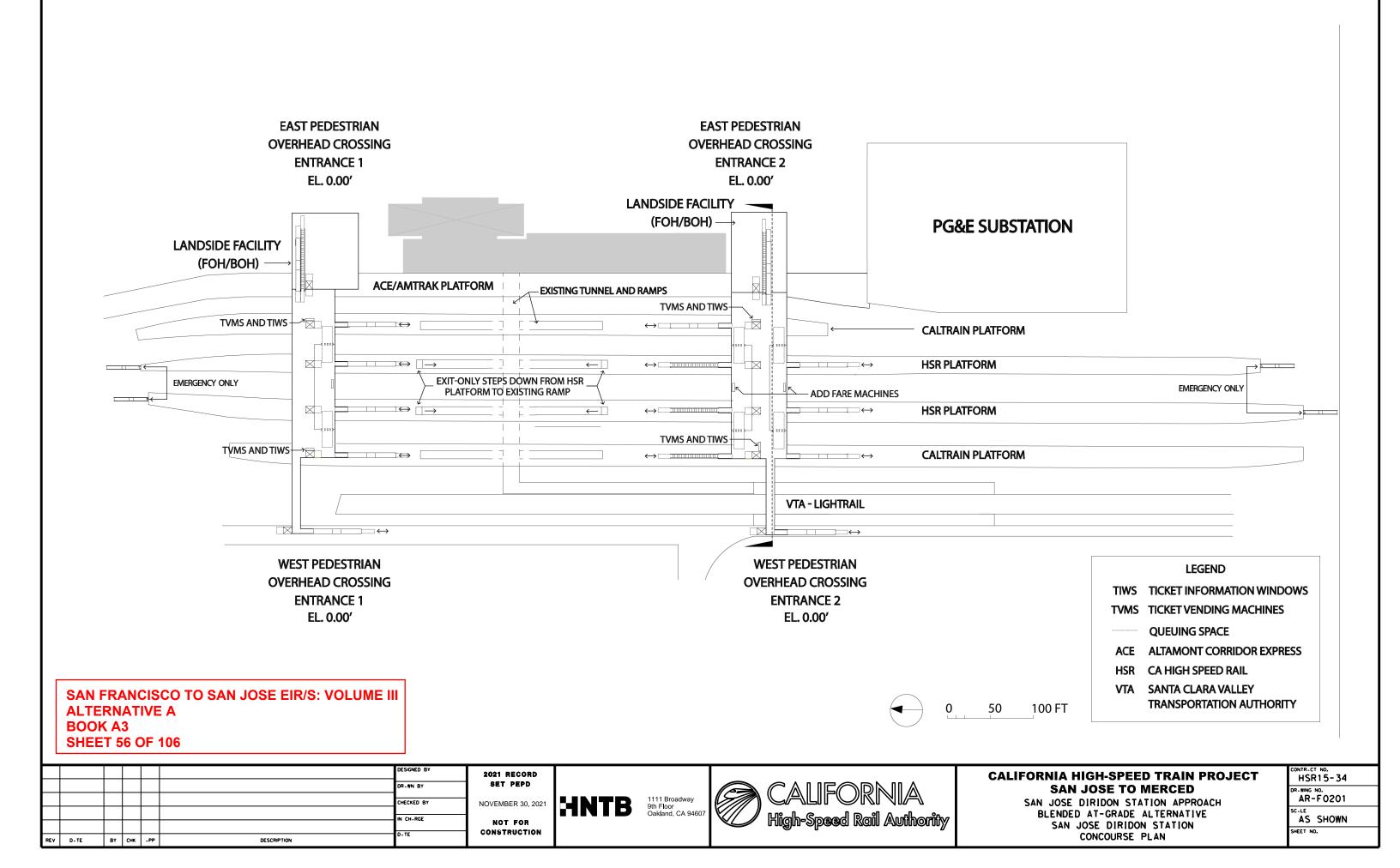
		Area (SF)	EF	Required Area (SF)	Formula	Chapter 14:Stations	Comments
	Ticket Admin., Handling & Storage	520	2	260		14.3.5.6.B	Ticket Administration Office 75SF/window
						14.3.5.7	
			_			14.3.6.2.C-D	
	Lost & Found & First Aid Room	400	2	200	100 SF x (2)	14.3.6.1.E-F	
	Station Control Room (SCR)		2	1,100		14.3.6.2.E	
	Main Station Computer Room	1000	2	500	_	14.3.6.2.F	
	Temporary Incident Command Post (CP)		2	300	_	14.3.6.2.G	
	Station Operation Room (SOR)	2200	2	1,100		14.3.6.2.H	
≥	SOR Dedicated Computer Room, SOR Workroom	1000	2	500		14.3.6.2.F-H	
for	Main OCC Computer Room	1000	2	500		14.6.3.2.F	
Non-Public Station Staff Only	Staff Lockers, Showers, Restrooms	TBD	2		CBC 2016	14.3.6.1.I	Will need number of staff projection to determine SF required.
ion	Janitor Closets	120	2	60		14.3.7.1.C	
Stat	Staff Breakroom & Meeting Rooms	800	2	400	200 SF x (2)	14.3.6.1.G-H	200 SF min. or as required to provide 25 SF /staff
blic	Station Manager Office	288	2	144		14.3.6.1.A	
nd-	Facility Manager's Office	288	2	144		14.3.6.1.C	
Non	Administration Office Space	600	2	300		14.3.6.1.B	
	Facilities Maintenance Office	660	2	330		14.3.6.1.C	
	Station General Storage Rooms	400	2	200		14.3.7.1.E	Add 60 SF for misc. storage if required.
	Platform Area Op. Mgt. Booth	100	1	100	Standard Unit	14.3.6.2.1	One OMB to be provided on each platform.
	Train Control /Communications Room	3830	2	1,915		14.3.7.2	Table 14-8, for the train control and communications equipment
	Entrance Facility Room	480	2	240		14.3.7.2	Table 14-8, for entry of service cabling into the building. May be co-located
	3rd Party Telecom Room	240	2	120		14.3.7.2	Table 14-8, for local telephone company.
	Communications Closets	260	2	130	130 SF each	14.3.7.2	Table 14-8, number TBD. Locate close to center of each 10,000 SF of Statio
	Renewable Energy/Stormwater			TBD			
es 1s	Mech., Elec. & Plumbing Rooms			TBD	Gross Factor	14.3.7.2	
rvic	Battery Room	800	2	400	200 SF x (2)	14.3.7.4.B	Two rooms required, including one room at each end of station for LV batt
Bldg Services & Plant Rooms	UPS Room	3600	2	1,800	900 SF x (2)	14.3.7.4.C	Two rooms required, one at each end of station for low voltage (LV) distrib
Bld Pla	Fire Detection & Protection Rooms			TBD	Gross Factor	14.3.7.6	
eas	Main Station Recycling/Refuse	300	2	150	150 SF min.	14.3.7.1.A	
Maint. Support Areas	Secondary Station Recycling	120	2	60		14.3.7.1.C	
Maint. port Ar	Landscape Maintenance Room	200	2	100		14.3.7.1.F	
Sup	Loading Dock			TBD		14.3.7.1.H	
	TOTAL AREA - ENTRANCE & CONCOURSE:	55,215					
	Platform Area (800'x30')x1	24,000					
	Bus Bays	N/A					Bus bays are provided in modified BART parking structure
	Parking Area	104,800					
	Pickup and Drop-off	7,920					

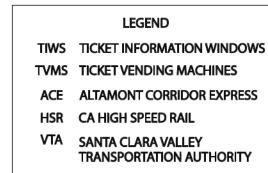
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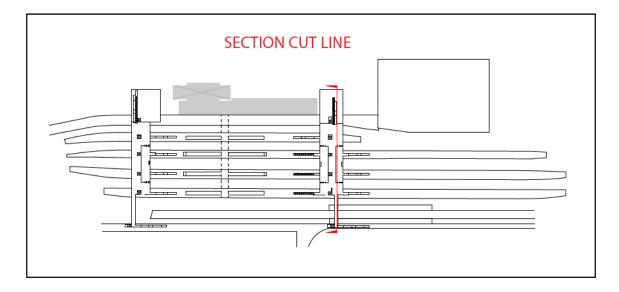
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NIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO.
SAN FRANCISCO TO SAN JOSE	HSR15-34 DRAWING NO.
STATION MILLBRAE	AR-J0119
FACILITY SIZING TABLE	AS SHOWN SHEET NO.

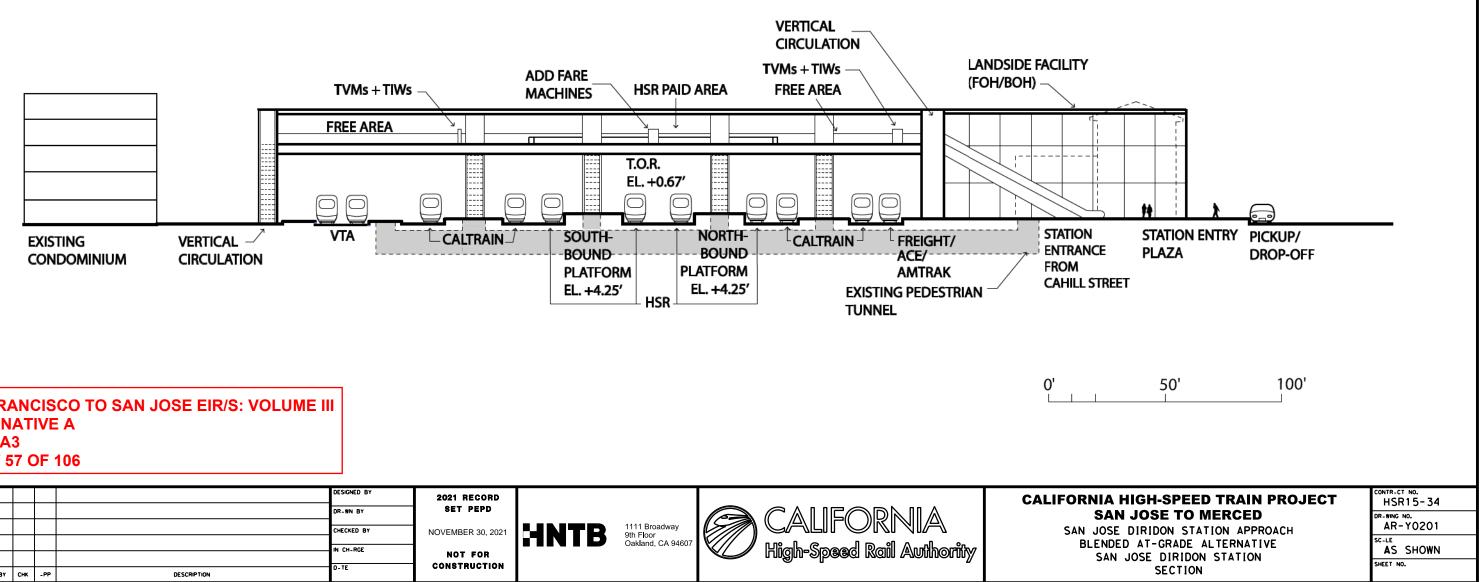


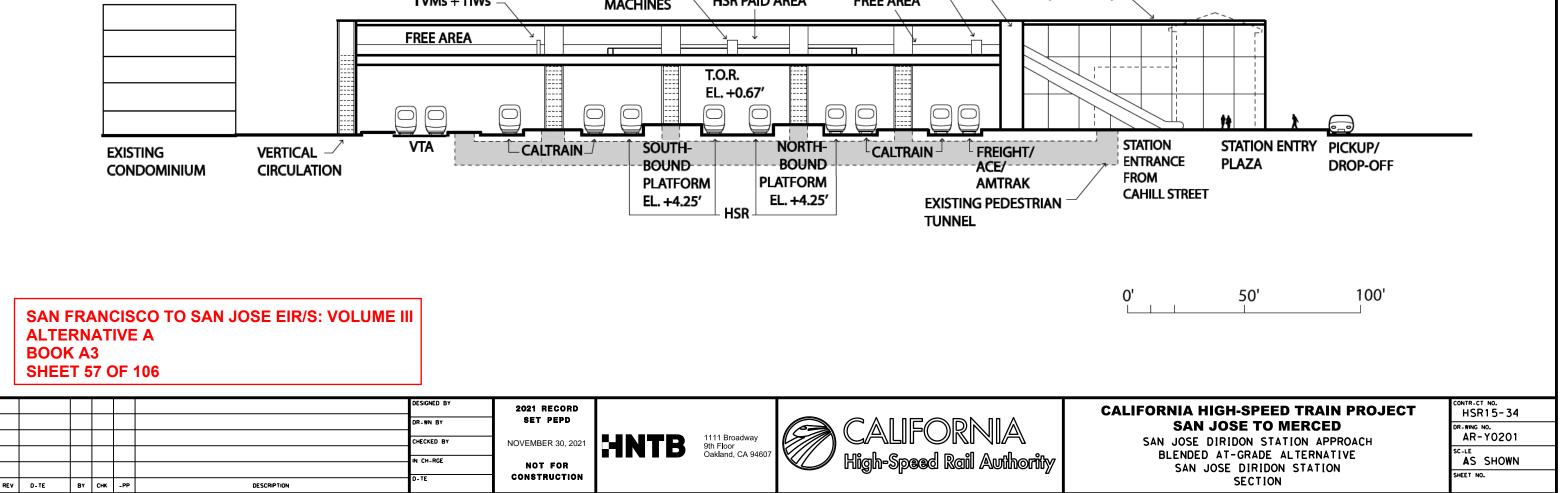


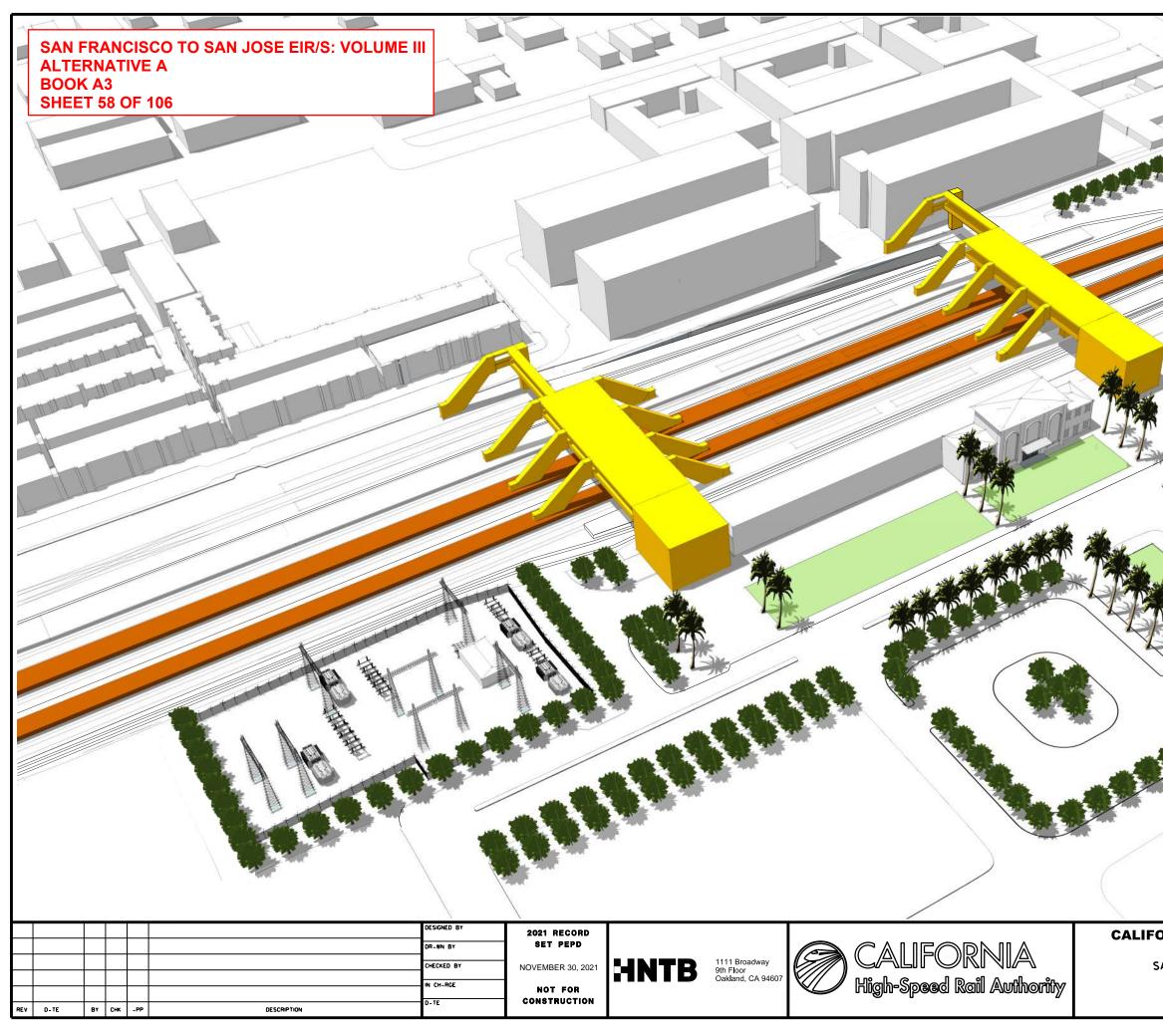












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SAN JOSE DIRIDON STATION MASSING DIAGRAM 1	SHEET NO.

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE A BOOK A3 SHEET 59 OF 106

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							NOT FOR Construction			
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Category	Description	Formula	Requirement Area / Unit	Comments
Daily Peak Ridership Boardings 2040	Long Distance	15,430	15,430	Planning Memorandum Station Boardings, A
P360B	Highest Daily Boardings x Conversion Factor for Boardings = 6 Hour Boardings	Highest Daily Boardings x 0.67=P360B 6,000 x 0.67	10,338	
P360A	Peak 6 Hour Boardings x Conversion Factor for Alightings = 6 Hour Alightings	P360B x 0.75=P360A 10,385 x 0.75	7,754	7
P60B	Peak 6 Hour Boardings x Peak Hour Conversion Factor for Boardings = Peak Hour Boardings	P360B x 0.17=P60B 10,385 X 0.17	1,757	
P60A	Peak Hour Boardings x Peak Hour Conversion Factor for Alightings = Peak Hour Alightings	P60B x 0.75=P60A 1,765 x 0.75	1,318	7
P30B	Peak Hour Boardings /2 x Surge Factor = Peak 30 Minute Boardings	(P60B /2) × 1.2=P30B (1,765/2) × 1.2	1,054	
P30A	Peak 30 Minute Boardings x Conversion Factor = Peak 30 Minute Alightings	P30B x 0.075=P30A 1,059 x 0.75	791	7
P15B	Peak Hour Boardings / 4 x Surge Factor = Peak 15 Minute Boardings	(P60B /4) x 1.3= P15B (1,765 /4) x 1.3	571	
P15A	Peak 15 Minute Boardings x Conversion Factor=Peak 15 Minute Alightings	P15B x 0.75=P15A 574 x 0.75	428	California HSTP Design Criteria, Chapter
Р5В	Peak Hour Boardings /12 x Surge Factor = Peak 5 Minute Boardings	(P60B /12) x 1.4= P5B (1,765 /12) x 1.4	205	Table 14
P5A	Peak 5 Minute Boardings x Conversion Factor = Peak 5 Minute Alightings	P5B x 0.75=P5A 206 x 0.75	154	7
P1B	Peak Hour Boardings /60 x Surge Factor=Peak 1 Minute Boardings	(P60B /60) x 1.5=P1B (1,765/60) x 1.5	44	1
P1A	Peak 1 Minute Boardings x Conversion Factor for Alightings=Peak 1 Minute Alightings	P1Bx0.75 17x0.75	33	1
Cf	Unobstructed Net Concourse Free Public Area Circulation Width	(P15B+P15A)/(15x10 people/ft/min) or 16 ft min. (222+167)/(15x10 people/ft/min)	16	
Wf	Net Waiting Area in Concourse Free Public Area	((P15Bx1.1) + (P15Ax0.1))x 14 SF ((222x1.1) +(167x0.1)) x 14	9,396	
Public Restrooms	Women + Men + Unisex Accessible Restroom for Each Group	(P15B+P15A)/ 2 (222+167) /2	499.8	14.3.4 Public Restrooms
Passenger Amenity Space Allocation	Station Design Target Year Daily Boardings	9,000	9,000	California HSTP Design Criteria, Chapter 14 - Table 14-7
Ticket Windows	Station Quantity	P60B/600 1765/600	3	
Ticket Vending Machines		P60B/280 1765/280	6	14.3.5.6
Value Added Machines	2 Per Each Fare Paid Area		3	14.3.5.6
Fare Gates		P15A /50 ppm 430/50 One additional gate to be provided if under 10	9	14.3.5.6 D
Emergency Gates			2	14.3.3.6
Sr	Seating at Concourse Fare Free Waiting Area	((P15B x 1.1) + (P15A x 0.1)) x 0.25	1,581	Table 14-22: Station Seating

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE A BOOK A3 SHEET 60 OF 106

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, Access, Egress and Parking INST-PLAN-05

ter 14-Stations, Oct 2015, Working Draft, Rev. 2 Table 14-1 Passenger Ridership Assumptions 14-3 Concourse Circulation and Waiting Areas

4 - Stations, March Rev. 2 14.3.5.5 Station Public Amenity (Commercial) Spaces,

ORNIA HIGH-SPEED TRAIN PROJECT	CONTRACT NO. HSR15-34
SAN JOSE TO MERCED	DRAWING NO.
SAN JOSE DIRIDON STATION APPROACH	AR-Y0204
BLENDED AT-GRADE ALTERNATIVE	SCALE
SAN JOSE DIRIDON STATION	AS SHOWN
FACILITY SIZING TABLE	SHEET NO.

Diridon	Station	Encility	Cining	Table

Projected Daily Ridership (2040) 15,430, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14: Stations	Comments
	Station Concourse (Free Area - Main Hall)	27,600	1.2	29,987	P15 x 30 SF /person 389 x 30	14.3.5.3	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requireme
	Entrances				1.	14.3.5.2	
	Mezzanine	23 2					
as	Passenger Waiting Area	200	1.2	9,396	((P15B x 1.1)+(P15Ax0.1)) x 14 SF	14.3.5.3.B.C Table 14-3	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requireme
Areas	Ticket Vending Machines (TVM)	188	1.2	6	P60B/280, 1765/280	Table 14-5	Includes queuing space
ree	Baggage Storage (Concessionaire)	NA					TBD
Public Free	Retail (Concessionaire)	800	1.2	9,000		Table 14-7	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requireme
	Restaurant (Concessionaire)	NA				Table 14-7	Included in the 9,000 SF
urse	Food Service (Concessionaire)	1,800				Table 14-7	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requireme
ncol	Business Lounge	NA	1.2	600		14.3.5.7.C	Without restrooms
Con	Public Restrooms	200	1.2	2040	CBC 2016, CPC 2016 (P15B + P15A)/2	14.3.5.4	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' 1.4.3.5 Re
	Janitor Closets	NA	1.2	240	60 x 4	14.3.7.1.D	Located in concourse free area, platform, and each restroom.
ard Areas	Ticket Window Counters	200	2	150	Window Counter 5F min. 75 SF/window (2 windows) P60B/600, 1,765/600	14.3.5.6.B 14.3.5.7A	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requireme
Standard	Station Patron Information Booth	NA	1	100	Standard Unit (Kiosk)	14.3.5.7.B	
St	Red "Cap" Booth	20					TBD
	Police Office	NA	2	500		14.3.6.2.A	
Security	Police Restrooms + Lockers			TBD	CBC 2016, CPC 2016		
Sec	Janitor Closets	NA	2	60	an fra	14.3.7.1.D	
	Security Guard Office	NA	2	144	7.7	14.3.6.2.B	

SAN FRANCISCO TO SAN JOSE EIR/S: VOLUME III ALTERNATIVE A BOOK A3 SHEET 61 OF 106

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Diridon Station Facility Sizing Table

Projected Daily Ridership (2040) 15,430, based on CHSR Planning Memorandum Station Boardings, Access, Egress and Parking

STATION TYPE: Intermediate, Full-Service, Small: based on Chapter 14 Stations Design Criteria, Table 14-3

	Function Name	Area (SF)	EF	Required Area (SF)	Formula	Chapter 14: Stations	Comments
	Ticket Administration, Handling & Storage	520	2	260		14.3.5.6.B	Ticket Administration Office 75 SF /window
						14.3.5.7	
				1.0	2010	14.3.6.2.C-D	
	Lost & Found & First Aid Room	100	2	200	100 SF x (2)	14.3.6.1.E-F	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for
	Station Control Room (SCR)	1,400	2	1,100		14.3.6.2.E	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for
	Main Station Computer Room	1,000	2	500		14.3.6.2.F	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for
	Temporary Incident Command Post (CP)	NA	2	300		14.3.6.2.G	
	Station Operation Room (SOR)	1,300	2	1,100		14.3.6.2.H	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for
¥	SOR Dedicated Computer Room, SOR Workroom	500	2	500		14.3.6.2.F-H	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for
u O	Main OCC Computer Room	500	2	500		14.6.3.2.F	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for
itafi	Staff Lockers, Showers, Restrooms	NA	2		CBC 2016	14.3.6.1.1	Will need number of staff projection to determine SF required.
ы	Janitor Closets	120	2	60		14.3.7.1.C	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for
stati	Staff Breakroom & Meeting Rooms	600	2	400	200 SF x (2)	14.3.6.1.G-H	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for
lic	Station Manager Office	200	2	144		14.3.6.1.A	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for
Non-Public Station Staff Only	Facility Manager's Office	NA	2	144		14.3.6.1.C	
on	Administration Office Space	NA	2	300		14.3.6.1.B	
2	Facilities Maintenance Office	NA	2	330		14.3.6.1.C	
	Station General Storage Rooms	NA	2	200		14.3.7.1.E	Add 60 SF for miscellaneous storage if required.
	Platform Area Op. Mgt. Booth	NA	1	100	Standard Unit	14.3.6.2.1	One OMB to be provided on each platform.
	Train Control /Communications Room	1,500	2	1,915		14.3.7.2	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements fo
	Entrance Facility Room	NA	2	240		14.3.7.2	Table 14-8, for entry of service cabling into the building. May be co-located w
	3rd Party Telecom Room	NA	2	120		14.3.7.2	Table 14-8, for local telephone company.
	Communications Closets	260	2	130	130 SF each	14.3.7.2	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements for
	Renewable Energy/Stormwater		-	TBD			
s	Mech., Elec. & Plumbing Rooms		+	TBD	Gross Factor	14.3.7.2	
Building Survices & Plant Rooms	Battery Room	420	2	400	200 SF x (2)	14.3.7.4.B	Reference 'Alt 4 Gilroy and Diridon SOW 2018.09.17 v1 (002)' requirements fo
uildi rvice nt Re	UPS Room	NA	2	1,800	900 SF x (2)	14.3.7.4.C	Two rooms required, one at each end of station for LV distribution, transform
Bun Sun Plar	Fire Detection & Protection Rooms	5.5	-	TBD	Gross Factor	14.3.7.6	
	Main Station Recycling/Refuse	NA	2	150	150 SF min.	14.3.7.1.A	
s pr	Secondary Station Recycling	NA	2	60		14.3.7.1.C	
Maint. Support Areas	Landscape Maintenance Room	NA	2	100		14.3.7.1.F	
2 Sr	Loading Dock		2	TBD	-	14.3.7.1.H	
	TOTAL AREA - ENTRANCES & CONCOURSE:	39,408	SF				

Platform Area (800'x30')x2	48,000			
Bus Bays		_		Included in Cahill transit street improvement
Parking Area				No parking for HSR provided
Pickup and Drop-off				Included in Cahill transit street improvement

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