

Appendix D.
Utilities Table

SAN FRANCISCO TO SAN JOSE HIGH-SPEED TRAIN PROJECT

IMMOVABLE / RELOCATION AVOIDANCE UTILITIES

EXISTING UTILITY MATRIX

Prepared by: J. Lau

City	Sub-Section #	Utility	Size and Type	Owner	Caltrain Milepost	Longitudinal / Transverse	Location	Exist Street Profile	Proposed Vertical Option	In Conflict (Yes / No)	In Conflict w/ Aerial	In Conflict w/ Transitional Structure	In Conflict w/ At Grade	In Conflict w/ Trench	In Conflict w/ Tunnel	In Conflict w/ Proposed Station	In Conflict w/ Proposed Grade Separation	High Risk	Source	Comments	Status
San Francisco	0	Water	5' dia water intake tunnel	SFPUC	-1	Longitudinal	Townsend Street		Trench / Tunnel										SFPUC / SFFD	Intakes water from SF Bay and ties into a pump station. Intended for major disaster fire distinguish relief. SFFD would probably not allow modification. Immovable utility.	
All	0	Telecomm	Multi-carrier fiber optic joint trench	Various	0 to 47.207	Longitudinal	Caltrain Corridor												PCJPB	Major utility.	
San Francisco	0	Sanitary Sewer	4 sets of 8'-3" x 9'6" on piles	City of San Francisco	0.73	Transverse	Berry Street	Non-Crossing	At Grade / Trench / Tunnel										Channel Outfalls Consolidation Contract-Division Street Sewer Connection	Immovable utility. 2 ft ground cover. Structural piles starting at 13 ft below existing surface. Pile tip elevation is unknown.	
San Francisco	1	Electrical	115 kV	PG&E	2.84	Transverse	Jerrold Ave	Underpass	At Grade / Trench / Tunnel									Yes	Jerrold Ave and Quint Street Bridges Replacement (65% Submittal)	Immovable utility. Potholed 2 ft cover	
San Francisco	1	Electrical	115 kV, 3 ft wide slurry encased	PG&E	3.02	Transverse	Quint Street	Underpass	At Grade / Trench / Tunnel									Yes	Jerrold Ave and Quint Street Bridges Replacement (35% Submittal)	Immovable utility. Potholed 20" cover.	
San Francisco	1	Storm Drain	7.75 ft RCB		3.78	Transverse	Kalmanovitz Street	Non-Crossing	At Grade / Trench / Tunnel										PCJPB	Avoid relocation.	
San Francisco	1	Storm Drain	6.65 ft RCB		3.91	Transverse	Egbert Ave	Non-Crossing	At Grade / Trench / Tunnel										PCJPB	Avoid relocation.	
San Francisco	2	Storm Drain	6.5 ft wide w/ encasement		5.19	Transverse	Sunset Scavenger Area		At Grade										PCJPB	Avoid relocation.	
Brisbane / South San Francisco / San Bruno	2	Fuel		Kinder Morgan	6.58 to 10.94	Longitudinal	Caltrain Corridor											Yes	PCJPB	Major utility.	
South San Francisco	2	Electrical	3 sets of Transmission Overheads	PG&E	8.96	Transverse	South San Francisco Station		At Grade										PCJPB	Avoid relocation.	
South San Francisco	2	Gas	30" casing	PG&E	9.34	Transverse	Grand Ave	Non-Crossing	At Grade									Yes	PCJPB	Avoid relocation.	
South San Francisco	2	Gas	24" pipe in 30" casing	PG&E	9.59	Transverse	Airport Blvd	Underpass	At Grade									Yes	PCJPB	Avoid relocation.	
South San Francisco	2	Water	44" Hetch Hetchy aqueduct	SFPUC	9.64	Transverse	Lowrie Ave	Non-Crossing	Aerial / Berm										SFPUC Water Supply and Treatment Division	Immovable utility.	
South San Francisco	2	Sanitary Sewer	27" pipe	City of South San Francisco	9.705	Transverse	Off Street		Aerial / Berm										PCJPB	Avoid relocation.	
South San Francisco	2	Sanitary Sewer	33" pipe	City of South San Francisco	9.71	Transverse	Off Street		Aerial / Berm										PCJPB	Avoid relocation.	
San Bruno	2	Storm Drain	10-4'x4' box culvert	City of San Bruno	11.21	Transverse	Off Street		Aerial / Berm										San Bruno Grade Separation Project (95% Submittal)	Avoid relocation.	
San Bruno	2	Storm Drain	2 sets of 7'x4' box culverts	City of San Bruno	11.29	Transverse	Off Street		Aerial / Berm										San Bruno Grade Separation Project (95% Submittal)	Avoid relocation.	
San Bruno	2	Sanitary Sewer	2-24" RCP each in 42" steel casing	City of San Bruno	11.66	Transverse	Off Street		Aerial / Berm										PCJPB	Avoid relocation.	
San Bruno	2	Storm Drain	Triple 11'x4' box culverts	City of San Bruno	11.69	Transverse	Off Street		Aerial / Berm										PCJPB	Avoid relocation.	

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San Bruno	2	Water	24" Hetch Hetchy steel pipe	SFPUC	11.92	Transverse	San Felipe Ave	Non-Crossing	At Grade										SFPUC Water Supply and Treatment Division	Immovable utility. Hetch Hetchy aqueduct distribution to SF Aiprort.	
San Bruno	2	Water	24" Hetch Hetchy steel pipe	SFPUC	11.93	Transverse	San Felipe Ave	Non-Crossing	At Grade										SFPUC Water Supply and Treatment Division	Immovable utility. Hetch Hetchy aqueduct distribution to SF Aiprort.	
San Bruno	2	Storm Drain	6.8 ft wide	City of San Bruno	11.95	Transverse	Off Street		At Grade										PCJPB	Avoid relocation.	
Millbrae	2	Storm Drain	49.5 ft wide		12.667	Transverse	Off Street		At Grade										PCJPB	Avoid relocation.	
Millbrae	2	Water	Encased 24" Hetch Hetchy main	SFPUC	13.04	Transverse	Santa Paula Ave pedestrian crossing	At-Grade	Aerial / Berm / At Grade / Trench / Tunnel								Yes		SFPUC Water Supply and Treatment Division	Immovable utility. Hetch Hetchy aqueduct distribution to SF Aiprort.	
Millbrae	2	Electrical	Transmission Overhead	PG&E	13.055	Transverse	Santa Paula Ave pedestrian crossing	At-Grade	Aerial / Berm / At Grade / Trench / Tunnel								Yes		PCJPB	Avoid relocation.	
Millbrae	2	Storm Drain	11 ft wide		13.52	Transverse	Off Street		Aerial / Berm / At Grade / Trench / Tunnel										PCJPB	Avoid relocation.	
Millbrae	2	Storm Drain	60 ft wide		13.522	Transverse	Off Street		Aerial / Berm / At Grade / Trench / Tunnel										PCJPB	Avoid relocation.	
Burlingame	3	Storm Drain	2-83"x53" Oval CIP	City of Burlingame	14.57	Transverse	Off Street		Aerial / Berm / At Grade / Trench / Tunnel										PCJPB and City of Burlingame Sewer System Facilities Map	Avoid relocation.	
Burlingame	3	Storm Drain	Box Culvert (9' X 25' X 5')	City of Burlingame	14.83	Transverse	Easton Creek		Aerial / Berm / At Grade / Trench / Tunnel										City of Burlingame Storm System Facilities Map	Avoid relocation.	
Burlingame	3	Sanitary Sewer	36" CCFP	City of Burlingame	15.23	Transverse	Cadillac Way	Non-Crossing	Aerial / Berm / At Grade / Trench / Tunnel										City of Burlingame Sewer System Facilites Map	AAvoid relocation.	
Burlingame	3	Storm Drain	2-90" RCP	City of Burlingame	15.955	Transverse	Oak Grove Ave	At-Grade	Aerial / Berm / At Grade / Trench / Tunnel								Yes		SMC Grade Crossing Improvements and City of Burlingame Sewer System Facilities Map	Avoid relocation.	
San Mateo	3	Electrical	Overhead-60 kV junction line	PG&E	18.288	Transverse	9th Ave	At-Grade	Aerial / Berm / Trench / Tunnel										SMC Grade Crossing Improvements	Avoid relocation.	
San Mateo	3	Storm Drain	10 ft wide		18.85	Transverse	Off Street		Aerial / Berm / Trench / Tunnel										PCJPB	Avoid relocation.	
Belmont	4	Storm Drain	21 ft wide concrete channel		22.34	Transverse	Belmont Creek		Aerial / Berm / At Grade / Trench / Tunnel										PCJPB	Avoid relocation.	
Redwood City	4	Water	60" Hetch Hetchy aqueduct	SFPUC	26.77	Transverse	Off Street		At Grade / Trench / Tunnel										SFPUC Water Supply and Treatment Division	Immovable utility.	
Palo Alto	6	Water	24" RCP		30.99	Transverse	Churchill Avenue	At-Grade	Aerial / Berm / At Grade / Trench / Tunnel								Yes		PCJPB	Avoid relocation.	
Palo Alto	6	Water	24" CIP		31.02	Transverse	Churchill Avenue	At-Grade	Aerial / Berm / At Grade / Trench / Tunnel								Yes		SCC Caltrain Safety Improvements	Avoid relocation.	
Palo Alto	6	Storm Drain	8.5 ft wide box culvert		32.306	Transverse	Matadero Creek		Aerial / Berm / At Grade / Trench / Tunnel										PCJPB	Avoid relocation.	

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Mountain View	7	Water	72" Hetch Hetchy aqueduct	SFPUC	35.09	Transverse	Escuela Ave	Non-Crossing	Aerial / Berm / At Grade / Trench / Tunnel										SFPUC Water Supply and Treatment Division	Immovable utility.	
Mountain View	7	Water	90" Hetch Hetchy aqueduct	SFPUC	35.095	Transverse	Escuela Ave	Non-Crossing	Aerial / Berm / At Grade / Trench / Tunnel										SFPUC Water Supply and Treatment Division	Immovable utility.	
Mountain View	7	Electrical	2 sets of Transmission Overheads	PG&E	36.45	Transverse	Stevens Creek		At Grade / Trench / Tunnel								Yes		PCJPB	Avoid relocation.	
Sunnyvale	8	Water	36" CCP	City of Sunnyvale	39.792	Transverse	Wolfe Road	Overpass	At Grade / Trench / Tunnel										City of Sunnyvale Water System Map	Connects to an industrial water plant on east side of Wolfe Road. Avoid relocation.	
Sunnyvale	8	Sanitary Sewer	24"		40.79	Transverse	French Street	Non-Crossing	At Grade										PCJPB	Avoid relocation.	
Santa Clara	9	Water	24"	Cal Water	44.63	Transverse	Off Street		Aerial / Berm / At Grade / Trench / Tunnel										PCJPB	East of De La Cruz Blvd. Avoid relocation.	
San Jose	9	Sanitary Sewer	Industrial waste		46.546	Transverse	CEMOF		Aerial / Berm / At Grade										PCJPB	Avoid relocation.	
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