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Appendix D

Noise Analysis Supporting Information

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	Location ^b										
Hour ^a	LT-1	LT-2	LT-3	LT-4	LT-5	LT-6					
Daytime					I	1					
7:00 AM	68.6	54.8	54.8	54.1	53.7	50.2					
8:00 AM	69.4	59.9	53.4	66.1	52.4	57.6					
9:00 AM	67.7	54	51.0	68.1	53.6	57.1					
10:00 AM	68.9	57.8	64.0	58.3	53.7	50.8					
11:00 AM	67.7	53.4	51.7	56.1	56.6	50.8					
12:00 PM	66.6	53.5	50.0	61.7	57.5	51.7					
1:00 PM	66.2	53.9	53.8	59.1	52.3	57.7					
2:00 PM	67	56.4	53.5	63.8	53.8	52					
3:00 PM	65.8	54.9	51.2	58.3	52.7	55.6					
4:00 PM	66.3	54.6	50.3	50.6	51.1	50.7					
5:00 PM	66.1	53.1	50.0	53.3	50.6	50.9					
6:00 PM	65.6	53.4	49.1	50.6	49	48.3					
Daytime Leq	67.3	55.5	55.5	61.7	53.7	54.0					
Evening			1	1	1	L					
7:00 PM	65	53.7	50.5	52	50.2	50.8					
8:00 PM	64.3	53	49.9	54	52	52.9					
9:00 PM	62.6	51.5	47.6	50.4	48.4	49					
Evening Leq	64.1	52.8	49.5	52.4	50.4	51.2					
Nighttime											
10:00 PM	61.4	51.4	47.9	48.6	48.1	47.7					
11:00 PM	61.5	51	48.2	46.5	48.6	47					
12:00 AM	61.1	49.8	48.7	43.5	48.6	45					
1:00 AM	62.4	48.3	43.0	45.3	44.4	46.1					
2:00 AM	62.3	48.2	46.2	46.7	46.8	47.8					
3:00 AM	64	48.2	44.5	42.2	46.1	44.6					
4:00 AM	63.2	50.2	43.9	39.2	45	42.8					
5:00 AM	66.8	51.2	49.8	46.7	48.6	47.9					
6:00 AM	68.9	53.9	53.1	52.2	53.6	53.6					
Nighttime Leq	64.4	50.6	48.4	47.1	48.6	48.1					
24-Hour Summa	ary										
Ldn	71.2	58.0	56.5	60.0	56.1	55.8					
L90	47.8	43.3	42.0	43.6	43.0	42.7					

TABLE NOI-1 SUMMARY OF LONG-TERM NOISE MEASUREMENTS FOR THE PROPOSED POTRERO POWER STATION MIXED-USE DEVELOPMENT (DBA)

NOTES:

a Noise measures at LT-1, LT-2, and LT-3 collected on January 9 to 10, 2018. Noise measures at LT-4, LT-5, and LT-6 collected on January 11 to 12, 2018.

b See Figure NOI-1 for noise measurement locations, which are described below.

LT-1: Western project site boundary on the east side of Illinois Street between Humboldt and 23rd Streets (southwest side of proposed Block 13A), approximately 27 feet from roadway centerline. Audible noise sources: traffic on Illinois & Third Streets. LT-2: Northern project site boundary on south side of 22nd Street (between proposed Buildings 1 and 14), approximately 55 feet from

the roadway centerline. Audible noise sources: distant diesel engine with occasional back-up alarm. LT-3: West central part of project site (east side of proposed Block 6), approximately 360 feet north of 23rd Street centerline and

120 feet south of Humboldt Street centerline. Audible noise sources: distant diesel engine with occasional back-up alarm, and aircraft. LT-4: East central part of the project site (east side of Block 8), approximately 400 feet north of 23rd Street and 100 feet south of Humboldt Street.

LT-5: Southeast corner of project site, approximately 150 feet north of 23rd Street centerline (95 feet west of bay).

LT-6: Northeast corner of project site, approximately 575 feet north of 23rd Street centerline (110 feet west of bay).

SOURCE: ESA, 2018

TABLE NOI-2
SUMMARY OF SHORT-TERM NOISE MEASUREMENTS
FOR THE PROPOSED POTRERO POWER STATION MIXED-USE DEVELOPMENT (DB)

	Location ^b									
Parametera	ST-1	ST-2	ST-3	ST-4	ST-5					
Leq	68.0	60.0	55.0	49.5	67.6					
L max	83.1	74.5	70.0	58.4	85.9					
Lmin	52.4	53.4	49.3	45.1	50.5					

NOTES:

^a All short-term noise measurements collected on January 16, 2018.

^b See Figure NOI-1 for noise measurement locations, which are described below.

ST-1: Southwest corner of project site at northeast corner of Illinois Streeet/23rd Street intersection, approximately 50 feet from the Illinois Street centerline and 50 feet from the 23rd Street centerline; primary noise sources were truck traffic on both of these streets and muni light rail and vehicle traffic on 3rd Street; measured 2:33 p.m. to 2:49 p.m. (16.5 minutes).

muni light rail and vehicle traffic on 3rd Street; measured 2:33 p.m. to 2:49 p.m. (16.5 minutes). ST-2: Northwest corner of project site at the north edge of proposed Building 13B, approximately 38 feet south of 22nd Street centerline; audible noise sources: vehicle traffic on Illinois Street, 22nd Street, and HVAC unit on portable building; measured 2:54 p.m. to 3:09 p.m. (15 minutes).

(15 minutes). ST-3: Southeast corner of project site (southeast corner of proposed Block 12), approximately 65 feet north of 23rd Street centerline; audible noise sources were distant back-up alarm, distant HVAC, and fog horn; measured 1:48 p.m. to 2:03 p.m. (15 minutes). ST-4: Northeastern project site boundary; audible noise sources were distant diesel motor and distant back-up alarm; measured 2:08 p.m. to 2:23 p.m. (15 minutes).

ST-5: Northwest corner of Third Street/23rd Street intersection, approximately 30 feet north of the 23rd Street centerline and 100 feet west of the 3rd Street centerline; primary noise sources were vehicle traffic on both of these streets and muni light rail traffic on Third Street; measured 2:16 p.m. to 2:31 p.m. (15 minutes).

SOURCE: ESA, 2018



SOURCE: Perkins+Will 2017; Google Earth, 2017; ESA, 2018

Potrero Power Station Mixed-Use Development Project

Figure NOI-1 Noise Measurement Locations

Peak Hour Volumes						Noise Level (in dBA, CNEL) at 50 feet from CL					Difference From Existing (in dBA, Ldn)								
Peak Hour to Daily Conversion Factor 12 Street Segment			Existing Peak Hour Volumes	Existing + PPS Project Trtips	Existing + PPS Trips After Diversions	Existing + PPS + Pier 70 Trips	Existing + PPS + Pier 70 Trips After Diversions	Existing	Peak Hour Volumes	Existing + PPS Project Trtips	Existing + PPS Trips After Diversions	Existing + PPS + Pier 70 Trips	Existing + PPS + Pier 70 Trips After	Project Change from Existing	Project Change After Diversions	Adjacent Land Use & Acceptabilit y	PPS+Pier 70 Change from Existing	PPS + Pier 70 Trips Change After Diversions	Adjacent Land Use & Acceptabilit Y
Illinois	North	20th	422	729	729	1542	1542		59.3	61.7	61.7	65.0	65.0	2.4	2.4	LS	5.6	5.6	S
Illinois/20th	20th	22nd	409	989	1011	2311	2349		59.2	63.0	63.1	66.7	66.8	3.8	3.9	S-R-CA	7.5	7.6	S
Illinois/22nd	22nd	Humboldt	408	1088	1096	2050	2064		59.2	63.5	63.5	66.2	66.2	4.3	4.3	S-R-CA	7.0	7.0	S
Illinois/Humboldt	Humboldt	23rd	413	1156	1161	2109	2119		59.2	63.7	63.7	66.3	66.4	4.5	4.5	LS-I -A	7.1	7.1	S
Illinois/23rd	23rd	24th	388	916	922	1665	1674		59.0	62.7	62.7	65.3	65.3	3.7	3.8	LS-I -A	6.3	6.3	S
Illinois/24th	24th	25th	370	898	898	1646	1646		58.8	62.6	62.6	65.3	65.3	3.8	3.8	LS-I -A	6.5	6.5	S
Illinois/25th	25th	CesarChavez	355	765	765	1305	1305		58.6	61.9	61.9	64.2	64.2	3.3	3.3	LS-I -A	5.7	5.7	S
Illinois/CesarChavez	CesarChavez	South	420	420	420	420	420		59.3	59.3	59.3	59.3	59.3	0.0	0.0	NI	0.0	0.0	NI
Third	North	16th	1767	2080	2080	2398	2398		67.0	67.7	67.7	68.3	68.3	0.7	0.7	LS	1.3	1.3	LS
Third/16th	16th	18th	1585	2245	2108	2900	2664		66.5	68.0	67.8	69.2	68.8	1.5	1.2	LS	2.6	2.3	LS
Third/18th	18th	19th	1315	2122	1985	3068	2832		65.7	67.8	67.5	69.4	69.0	2.1	1.8	LS	3.7	3.3	S-R-CA
Third/19th	19th	20th	1310	2036	1899	2630	2394		65.7	67.6	67.3	68.7	68.3	1.9	1.6	LS	3.0	2.6	LS
Third/20th	20th	22nd	1358	1829	1761	2131	2074		65.9	67.1	67.0	67.8	67.7	1.3	1.1	LS	2.0	1.8	LS
Third/22nd	22nd	23rd	1397	1979	1917	2883	2835		66.0	67.5	67.4	69.1	69.1	1.5	1.4	LS	3.1	3.1	S-R-CA
Third/23rd	23rd	24th	1430	2193	2198	3076	3086		66.1	67.9	67.9	69.4	69.4	1.9	1.9	LS	3.3	3.3	LS-I -A
Third/24th	24th	25th	1482	2246	2246	3128	3128		66.2	68.0	68.0	69.5	69.5	1.8	1.8	LS	3.2	3.2	LS-I -A
Third/25th	25th	26th	1466	2044	2044	2711	2711		66.2	67.6	67.6	68.9	68.9	1.4	1.4	LS	2.7	2.7	LS
Third/26th	26th	CesarChavez	1387	1965	1965	2632	2632		65.9	67.5	67.5	68.7	68.7	1.5	1.5	LS	2.8	2.8	LS
Third/CesarChavez	CesarChavez	South	1477	1527	1527	1593	1593		66.2	66.4	66.4	66.5	66.5	0.1	0.1	LS	0.3	0.3	LS
Indiana	North	22nd	139	139	156	139	168		54.5	54.5	55.0	54.5	55.3	0.0	0.5	LS	0.0	0.8	LS
Indiana/22nd	22nd	23rd	243	243	276	243	300		56.9	56.9	57.5	56.9	57.9	0.0	0.6	LS	0.0	0.9	LS
Indiana/23rd	23rd	25th	267	318	318	396	396		57.3	58.1	58.1	59.1	59.1	0.8	0.8	LS	1.7	1.7	LS
Indiana/25th	25th	South	272	272	272	272	272		57.4	57.4	57.4	57.4	57.4	0.0	0.0	NI	0.0	0.0	NI
Pennsylvania	North	22nd	351	351	379	351	398		58.5	58.5	58.9	58.5	59.1	0.0	0.3	LS	0.0	0.5	LS
Pennsylvania/22nd	22nd	23rd	558	658	685	791	838		60.6	61.3	61.4	62.1	62.3	0.7	0.9	LS	1.5	1.8	LS
Pennsylvania/23rd	23rd	25th	891	1165	1165	1547	1547		62.6	63.8	63.8	65.0	65.0	1.2	1.2	LS	2.4	2.4	LS
Pennsylvania/25th	25th	CesarChavez	1327	1714	1714	2249	2249		64.3	65.4	65.4	66.6	66.6	1.1	1.1	LS	2.3	2.3	LS
Pennsylvania/CesarChavez	CesarChavez	South	965	1388	1388	1952	1952		62.9	64.5	64.5	66.0	66.0	1.6	1.6	LS	3.1	3.1	LS
Tennessee	North	18th	77	77	99	77	115		52.0	52.0	53.0	52.0	53.7	0.0	1.1	LS	0.0	1.7	LS
Tennessee/18th	18th	19th	155	155	177	155	193		55.0	55.0	55.6	55.0	55.9	0.0	0.6	LS	0.0	1.0	LS
Tennessee/19th	19th	20th	158	158	180	158	195.5		55.1	55.1	55.6	55.1	56.0	0.0	0.6	LS	0.0	0.9	LS
Tennessee/20th	20th	22nd	122	131	142	142	160.5		54.0	54.3	54.6	54.6	55.1	0.3	0.7	LS	0.6	1.2	LS
Tennessee/22nd	22nd	South	52	52	52	52	52		50.3	50.3	50.3	50.3	50.3	0.0	0.0	LS	0.0	0.0	LS
Minnesota	North	18th	128	128	134	128	137.5		54.2	54.2	54.3	54.2	54.5	0.0	0.2	LS	0.0	0.3	LS
Minnesota/18th Minnesota/22nd	18th 22nd	22nd South	198 42	198 42	203 42	198 42	207 42		56.0 49.3	56.0 49.3	56.2 49.3	56.0 49.3	56.3 49.3	0.0	0.1	LS NI	0.0	0.2	LS NI
16th	East	Third	298	346	346	630	630		59.3	59.9	59.9	62.5	62.5	0.6	0.6	LS	3.3	3.3	LS-R&D-A
Third/16th	Third	West	1096	1457	1320	1916	1680		64.9	66.2	65.7	67.4	66.8	1.2	0.8	LS	2.4	1.9	LS-R&D-A
18th	East	Third	170	269	269	386	386		55.4	57.4	57.4	59.0	59.0	2.0	2.0	LS	3.6	3.6	LS LS-R-A
Third/18th	Third	Tennessee	321	533	533	779	779		58.2	60.4	60.4	62.0	62.0	2.0	2.0	LS	3.0	3.9	LS-R-A LS-I-A
Tennessee/18th	Tennessee	Minnesota	410	516	516	639	639		59.2	60.2	60.2	61.1	61.1	1.0	1.0	LS	1.9	1.9	LS
Minnesota/18th	Minnesota	West	613	613	613	613	613		61.0	61.0	61.0	61.0	61.0	0.0	0.0	NI	0.0	0.0	NI
19th	East	Third	37	117	117	209	209		48.8	53.8	53.8	56.3	56.3	5.0	5.0	LS-I/O-A	7.5	7.5	S
Third/19th	Third	Tennessee	59	59	59	59	59		50.8	50.8	50.8	50.8	50.8	0.0	0.0	NI	0.0	0.0	NI
Tennessee/19th	Tennessee	West	49	49	49	49	49		50.0	50.0	50.0	50.0	50.0	0.0	0.0	NI	0.0	0.0	NI
20th	East	Illinois	43	44	44	921	921		49.5	49.5	49.5	62.7	62.7	0.0	0.0	NI	13.2	13.2	S
Illinois/20th	Illinois	Third	210	44	44	1016	974		56.3	59.9	59.9	63.2	63.0	3.6	3.6	LS-R-A	6.9	6.7	S
Third/20th	Third	Tennessee	291	309	337	328	376		57.7	58.0	58.4	58.3	58.8	0.3	0.6	LS	0.5	1.1	LS
Tennessee/20th	Tennessee	West	320	320	337	320	349		58.1	58.1	58.4	58.1	58.5	0.0	0.0	LS	0.0	0.4	LS
22nd	East	Illinois	65	859	909	1631	1716		51.2	62.4	62.7	65.2	65.4	11.2	11.5	S	14.0	14.2	S
Illinois/22nd	Illinois	Third	190	624	673	1599	1684		55.9	61.0	61.4	65.1	65.4	5.2	5.5	s	9.3	9.5	s
Third/22nd	Third	Tennessee	244	359	408	510	595		57.0	58.6	59.2	60.2	60.8	1.7	2.2	LS	3.2	3.9	S-R-CA
Tennessee/22nd	Tennessee	Minnesota	259	374	413	509	575		57.2	58.8	59.2	60.2	60.7	1.6	2.0	LS	2.9	3.5	S-R-CA
Minnesota/22nd	Minnesota	Indiana	233	392	425	527	583		57.5	59.0	59.4	60.3	60.7	1.5	1.9	LS	2.8	3.2	S-R-CA
Indiana/22nd	Indiana	Pennsylvania	255	392	423	505	590		57.1	58.8	59.3	60.1	60.8	1.6	2.2	LS	3.0	3.6	S-R-CA
Pennsylvania/22nd	Pennsylvania	West	235	261	311	279	364		57.0	57.3	58.0	57.5	58.7	0.3	1.0	LS	0.5	1.7	LS-P-A
Humboldt	East	Illinois	7	536	536	466	466		41.5	60.4	60.4	59.8	59.8	18.8	18.8	S	18.2	18.2	S
numbolut	Luol		'	550	550	400	400		1.5	00.4	00.4	55.0	53.0	10.0	10.0	5	10.2	10.2	5

				Pe	eak Hour Vo	lumes			Noise L	.evel (in d	IBA, CNEL) a	t 50 feet fro	om CL	Difference	From Exis	ting (in dB/	A, Ldn)		
Peak Hour to Daily Co	onversion Factor 12 Segment		Existing Peak Hour Volumes	Existing + PPS Project Trtips	Existing + PPS Trips After Diversions	Existing + PPS + Pier 70 Trips	Existing + PPS + Pier 70 Trips After Diversions	Existing Peak Hour	Volumes Evicting 4	Existing + PPS Project Trtips	Existing + PPS Trips After Diversions	Existing + PPS + Pier 70 Trips	Existing + PPS + Pier 70 Trips After	Project Change from Existing	Project Change After Diversions	Adjacent Land Use & Acceptabilit Y	PPS+Pier 70 Change from Existing	PPS + Pier 70 Trips Change After Diversions	Adjacent Land Use & Acceptabilit y
23rd	East	Illinois	121	1446	1496	1273	1358	53	.9	64.7	64.8	64.1	64.4	10.8	10.9	S	10.2	10.5	S
Illinois/23rd	Illinois	Third	157	1261	1276	1350	1406	55	.0	64.1	64.2	64.4	64.6	9.1	9.1	S	9.4	9.5	S
Third/23rd	Third	Indiana	258	447	502	696	791	57	.2	59.6	60.1	61.5	62.1	2.4	2.9	LS	4.3	4.9	S-R-CA
Indiana/23rd	Indiana	Pennsylvania	281	470	497	719	766	57	.6	59.8	60.1	61.7	61.9	2.2	2.5	LS	4.1	4.4	LS-I-A
Pennsylvania/23rd	Pennsylvania	West	25	25	25	25	25	47	.1	47.1	47.1	47.1	47.1	0.0	0.0	NI	0.0	0.0	NI
24th	East	Illinois	20	20	20	20	20	46	.1	46.1	46.1	46.1	46.1	0.0	0.0	NI	0.0	0.0	NI
Illinois/24th	Illinois	Third	29	29	29	29	29	47	.6	47.6	47.6	47.6	47.6	0.0	0.0	NI	0.0	0.0	NI
Third/24th	Third	West	57	57	57	57	57	50	.7	50.7	50.7	50.7	50.7	0.0	0.0	NI	0.0	0.0	NI
25th	East	Illinois	46	46	46	46	46	49	.7	49.7	49.7	49.7	49.7	0.0	0.0	NI	0.0	0.0	NI
Illinois/25th	Illinois	Third	97	155	155	260	260	52	.9	55.0	55.0	57.2	57.2	2.1	2.1	LS	4.3	4.3	S
Third/25th	Third	Indiana	520	823	823	1247	1247	60	.3	62.2	62.2	64.1	64.1	2.0	2.0	LS	3.8	3.8	LS-I-A
Indiana/25th	Indiana	Pennsylvania	505	705	705	973	973	60	.1	61.6	61.6	63.0	63.0	1.5	1.5	LS	2.9	2.9	LS
Pennsylvania/25th	Pennsylvania	West	374	374	374	374	374	58	-	58.8	58.8	58.8	58.8	0.0	0.0	NI	0.0	0.0	NI
26th	East	Third	1	1	1	1	1	33	.1	33.1	33.1	33.1	33.1	0.0	0.0	NI	0.0	0.0	NI
Third/26th	Third	West	40	40	40	40	40	49		49.1	49.1	49.1	49.1	0.0	0.0	NI	0.0	0.0	NI
CesarChavez	East	Illinois	166	166	166	166	166	56		56.7	56.7	56.7	56.7	0.0	0.0	NI	0.0	0.0	NI
Illinois/CesarChavez	Illinois	Third	483	894	894	1433	1433	61		64.0	64.0	66.1	66.1	2.7	2.7	LS	4.7	4.7	LS-I-A
Third/CesarChavez	Third	Pennsylvania	1598	2536	2536	3625	3625	66	.6	68.6	68.6	70.1	70.1	2.0	2.0	LS	3.6	3.6	S-R-CA
Pennsylvania/CesarChavez	Pennsylvania	West	1479	1866	1866	2349	2349	66	.2	67.2	67.2	68.2	68.2	1.0	1.0	LS	2.0	2.0	LS

NOTES: Traffic noise modeling was completed using the Federal Highway Administration Traffic Noise Model, Version 2, Look Up Tables, Final Report, FHWA-HEP-05-008, December 2004 (available online at https://www.fhwa.dot.gov/Environment/noise/traffic_noise_model/tnm_v25_lookup/lu03.cfm) and the California Department of Transportation (Caltrans), Technical Noise Supplement to the Caltrans Traffic Noise Analysis Protocol, September 2013 (available online

athttp://www.dot.ca.gov/hq/env/noise/pub/TeNS_Sept_2013B.pdf). Modeling parameters include: speed limit on all streets is 25 mph except on 16th, Third, and Cesar Chavez where the posted speed limit is 30 mph; vehicle mix is 98% Autos/1.5% Medium Trucks/0.5% Heavy Trucks; day-night split: 76% day (7 a.m. to 7 p.m.), 12% evening (7 p.m. to 10 p.m.), and 12% night (10 p.m. to 7 a.m.).

KEY				
>5 dBA Noise Increase	S = Significant	CA = Conditionally Acceptable	R = Residential	
>3 but <5 dBA Noise Increase	PS = Potentially significant	A = Acceptable	I = industrial	
	LS = Less than significant		O = Office	
	NI = No Impact		R&D = Research & Development	
Noise levels may vary by up to one-tenth of a decibel due to rounding.			P = Park	

Table NOI-4 Cumulative Traffic Noise Levels on Local Roadways

Street	Seg	ment	Pk Hr Volumes	Peak Hour Conversion to Daily (x12)	Cumulative Noise Level (in dBA, CNEL) at 50 feet from CL	Existing Noise Level (in dBA, CNEL) at 50 feet from CL	Change From Existing (in dBA, Ldn)	Adjacent Land Use & Acceptability	Existing + Project Noise Level (in dBA, CNEL) at 50 feet from CL	Project Change From Existing (in dBA, Ldn)	Percent Increase Attributable to Project
Illinois	North	20th	2181	26172	66.5	59.3	7.1	S	61.7	2.4	33%
	20th	22nd	2791	33492	67.5	59.2	8.4	S	63.1	3.9	47%
	22nd	Humboldt	2464.5	29574	67.0	59.2	7.8	S	63.5	4.3	55%
	Humboldt	23rd	2513.75	30165	67.1	59.2	7.9	S	63.7	4.5	57%
	23rd	24th	1841	22092	65.7	59.0	6.8	S	62.7	3.7	55%
	24th	25th	1872.5	22470	65.8	58.8	7.0	S	62.6	3.8	55%
	25th	CesarChavez	1525.5	18306	64.9	58.6	6.3	S	61.9	3.3	53%
	CesarChavez	South	597	7164	60.9	59.3	1.5	LS	59.3	0.0	0%
Third	North	16th	3258	39096	69.7	67.0	2.7	LS	67.7	0.7	27%
	16th	20th	3587	43044	70.1	66.5	3.6	S-R-CA	67.8	1.3	36%
	20th	22nd	3248.5	38982	69.6	65.9	3.7	S-R-CA	67.0	1.1	29%
	22nd	23rd	4043	48516	70.6	66.0	4.6	S-R-CA	67.4	1.4	30%
	23rd	25th	3978.5	47742	70.5	66.1	4.4	LS-I-A	67.9	1.8	41%
	25th	CesarChavez	3682.5	44190	70.2	66.2	4.0	LS-I-A	67.6	1.4	35%
	CesarChavez	South	2373	28476	68.3	66.2	2.1	LS	66.4	0.1	7%
Indiana	North	23rd	274	3288	57.5	56.9	0.6	LS	57.5	0.6	105%
	23rd	25th	663.5	7962	61.3	57.3	4.0	S-R-CA	58.1	0.8	19%
	25th	South	619	7428	61.0	57.4	3.6	S-R-CA	57.4	0.0	0%
Pennsylvania	North	23rd	1070	12840	63.4	60.6	2.8	LS	61.4	0.8	30%
	23rd	25th	1909	22908	65.9	62.6	3.3	LS-I-A	63.8	1.2	37%
	25th	CesarChavez	2670.5	32046	67.4	64.3	3.0	LS	65.4	1.1	37%
	CesarChavez	South	1956	23472	66.0	62.9	3.1	LS-I-A	64.5	1.6	51%
16th	East	Third	1195	14340	65.3	59.3	6.0	S	59.9	0.6	11%
	Third	West	2781	33372	69.0	64.9	4.1	LS-H-CA	65.7	0.8	19%
20th	East	Illinois	1661	19932	65.3	49.5	15.8	S	49.5	0.0	0%
	Illinois	Third	1312	15744	64.3	56.3	8.0	S	59.9	3.6	45%
	Third	West	335	4020	58.3	58.1	0.2	LS	58.4	0.3	124%
22nd	East	Illinois	1867	22404	65.8	51.2	14.6	S	62.7	11.5	79%
	Illinois	Third	1696	20346	65.4	55.9	9.5	S	61.4	5.5	58%
	Third	West	565	6780	60.6	57.5	3.1	S-R-CA	59.4	1.9	61%
Humboldt	East	Illinois	470	5637	59.8	41.5	18.3	S	60.4	18.9	100%
23rd	East	Illinois	1324	15891	64.3	53.9	10.4	S	64.8	10.9	100%
	Illinois	Third	1597	19158	65.1	55.0	10.1	S	64.2	9.2	90%

Table NOI-4 Cumulative Traffic Noise Levels on Local Roadways

Street	Seg	ment	Pk Hr Volumes	Peak Hour Conversion to Daily (x12)	Cumulative Noise Level (in dBA, CNEL) at 50 feet from CL	Existing Noise L (in dBA, CNEL) a feet from CL	Change From Existing (in dBA, Ldn)	Adjacent Land Use & Acceptability	Existing + Project Noise Level (in dBA, CNEL) at 50 feet from CL		Percent Increase Attributable to Project
23rd	Third Indiana		885	10614	62.6	57.2	5.4	S	60.1	2.9	54%
	Indiana	Pennsylvania	878	10536	62.5	57.6	5.0	LS-I-A	60.1	2.5	51%
	Pennsylvania	West	57	684	50.7	47.1	3.6	LS-I-A	47.1	0.0	0%
24th	East	Illinois	149	1788	54.8	46.1	8.7	S	46.1	0.0	0%
	Illinois	West	105	1260	53.3	47.6	5.7	S	47.6	0.0	0%
25th	East	Illinois	147	1764	54.8	49.7	5.0	LS-I-A	49.7	0.0	0%
	Illinois	Third	673	8076	61.4	54.6	6.8	S	57.2	2.6	38%
	Third	Indiana	1445	17340	64.7	60.3	4.4	LS-I-A	62.2	1.9	43%
	Indiana	Pennsylvania	1183	14196	63.8	60.1	3.7	LS-I-A	61.6	1.5	39%
	Pennsylvania	West	526	6312	60.3	58.8	1.5	LS	58.8	0.0	0%
Cesar Chavez	East	Illinois	195	2340	57.4	56.7	0.7	LS	56.7	0.0	0%
	Illinois	Third	1621	19452	66.6	61.4	5.3	S	64.0	2.7	51%
	Third	Pennsylvania	3844	46128	70.4	66.6	3.8	LS-I-A	68.6	2.0	53%
	Pennsylvania	West	2985	35820	69.3	66.2	3.1	S-R-CA	67.2	1.0	33%
05-008, Decem Department of T athttp://www.do Cesar Chavez w	ber 2004 (availa Transportation (0 t.ca.gov/hq/env where the posted	able online at ht Caltrans), <i>Techn</i> /noise/pub/TeNs d speed limit is 3	tps://www.fhwa.do <i>ical Noise Supplei</i> S_Sept_2013B.pc	Highway Administration <i>Traff</i> t.gov/Environment/noise/traff <i>ment to the Caltrans Traffic N</i> If). Modeling parameters inclu x is 98% Autos/1.5% Mediun o 7 a.m.).	ic_noise_ <i>loise Ana</i> ide: spee	_model/tnr lysis Proto ed limit on	m_v25_lo o <i>col,</i> Sep all street	ookup/lu03. tember 201 s is 25 mph	cfm) and the 3 (available except on 1	California online 6th, Third,	and
KEY			CA = Conditional								
	>5 dBA Noise >3 but <u><</u> 5 dBA	Increase Noise Increase	S = Significant LS = Less than significant NI = No Impact			R = Residential P = Park t I = industrial O = Office					
Noise levels may	y vary by up to	one-tenth of a d	ecibel due to rour	iding.		mpaor			search & De	velopment	

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