Appendix 4-2 **Transit Line Capacity Calculations**

Table 21: I	Muni Dow	ntown Scre	enlines – AN	Л Peak Ho	ur Inboun	d	
	(Max	imum Com	nmercial Sce	nario)			
		Baseline			Baseline	Plus Project	
Muni Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contributio
Northeast							
Kearny/Stockton	2,273	3,157	72%	80	2,353	75%	3.40%
Other lines	867	1,470	59%	119	986	67%	12.07%
E Embarcadero OB	63	280	23%	12	75	27%	16.00%
F Market & Wharves OB	406	560	73%	0	406	73%	0.00%
10 Townsend OB	304	315	97%	82	386	123%	21.24%
11 Downtown Connector OB	94	315	30%	25	119	38%	21.01%
12 Folsom Pacific IB							
Screenline Total	3,140	4,627	68%	199	3,339	72%	5.96%
Northwest							
Geary	2,302	3,763	61%	0	2,302	61%	0.00%
California	1,436	2,010	71%	0	1,436	71%	0.00%
Sutter/Clement	514	630	82%	0	514	82%	0.00%
Fulton/Hayes	1,505	2,237	67%	0	1,505	67%	0.00%
Balboa	553	1,008	55%	0	553	55%	0.00%
Screenline Total	6,310	9,648	65%	0	6,310	65%	0.00%
Southeast							
Third Street	1,025	3,808	27%	178	1,203	32%	14.80%
Mission	2,155	2,632	82%	0	2,155	82%	0.00%
San Bruno/Bayshore	1,867	2,197	85%	0	1,867	85%	0.00%
Other lines	1,577	1,712	92%	115	1,692	99%	6.80%
J Church IB	883	893	99%	0	883	99%	0.00%
10 Townsend IB	378	315	120%	55	433	137%	12.70%
12 Folsom Pacific IB							
19 Polk IB	188	252	75%	0	188	75%	0.00%
27 Bryant IB	128	252	51%	60	188	75%	31.91%
Screenline Total	6,624	10,349	64%	293	6,917	67%	4.24%
Southwest							
Subway lines	6,783	7,020	97%	204	6,987	100%	2.92%
Haight/Noriega	1,178	1,596	74%	0	1,178	74%	0.00%
Other lines	474	560	85%	0	474	85%	0.00%
Screenline Total	8,435	9,176	92%	204	8,639	94%	2.36%

Muni Screenlines Total

Individual Muni Routes - AM Peak Hour

Project Specific Cordon
Project-Specific Cordon Total

30 Stockton IB

N Judah IB

T Third IB

T Third OB

N Judah OB

30 Stockton OB

45 Union/Stockton IB

45 Union/Stockton OB

Muni Route & Muni Direction

Source: San Francisco Planning Department, "Transit Data for Transportation Impact Studies," May 2015. See **Appendix C** for Transit Line Capacity Calculations.

33,800

9,090

705

705

473

473

2,596

2,596

3,808

3,808

73%

44%

19%

69%

47%

73%

16%

16%

29%

51%

696

362

60

27

20

9

111

49

402

178

25,205

4,384

194

512

243

356

519

464

1,499

2,109

75%

48%

28%

73%

51%

75%

20%

18%

39%

55%

2.76%

8.26%

30.93%

5.27%

8.23%

2.53%

21.39%

10.56%

26.82%

8.44%

24,509

4,022

134

485

223

347

408

415

1,097

1,931

TABLE 6: MUNI DOWNTOWN SCR	REENLINES AN	ND PROJECT-	SPECIFIC COI	RDON – EXIS	TING CONDI	TIONS			
g "	AM Pe	eak Hour (Inb	ound)	und) PM Peak Hour (Outbound)					
Screenline	Ridership	Capacity	Utilization	Ridership	Capacity	Utilization			
Northeast									
Kearny/Stockton	2,211	3,050	72%	2,245	3,327	67%			
Other lines	538	1,141	47%	683	1,078	63%			
F Market & Wharves OB	210	700	30%	377	700	54%			
10 Townsend OB	208	252	83%	168	189	89%			
12 Folsom Pacific IB	120	189	63%	138	189	73%			
Screenline Total	2,749	4,191	66%	2,928	4,405	66%			
Northwest									
Geary	1,821	2,490	73%	1,964	2,623	75%			
California	1,610	2,010	80%	1,322	1,752	75%			
Sutter/Clement	480	630	76%	425	630	67%			
Fulton/Hayes	1,277	1,680	76%	1,184	1,323	89%			
Balboa	758	1,019	74%	625	974	64%			
C 1: T. I			700/		7.202	760/			
Screenline Total	5,946	7,829	76%	5,520	7,302	76%			
Southeast									
Third Street	350	793	44%	782	793	99%			
Mission	1,643	2,509	65%	1,407	2,601	54%			
San Bruno/Bayshore	1,689	2,134	79%	1,536	2,134	72%			
Other lines	1,466	1,756	83%	1,084	1,675	65%			
J Church	754	793	95%	539	793	68%			
10 Townsend	244	270	90%	153	189	81%			
12 Folsom Pacific	120	189	63%	108	189	57%			
19 Polk	188	252	75%	168	252	67%			
27 Bryant	160	252	63%	116	252	46%			
Screenline Total	5,148	7,192	72%	4,809	7,203	67%			
Southwest									
Subway lines	6,330	6,205	102%	4,904	6,164	80%			
Haight/Noriega	1,121	1,554	72%	977	1,554	63%			
Other lines	465	700	66%	555	700	79%			
Screenline Total	7,916	8,459	94%	6,436	8,418	76%			
Muni Screenlines Total	21,759	27,671	79%	19,693	27,328	72%			
Project Specific Cordon									
Project-Specific Cordon Total	2,168	5,000	43%	1,765	5,255	34%			
Individual Muni Routes									
Muni Route & Muni Direction	,	AM Peak Hou	r	F	PM Peak Hou	r			
30 Stockton IB	154	327	47%	314	1,224	26%			
30 Stockton OB	454	690	66%	366	1,248	29%			
45 Union/Stockton IB	275	473	58%	120	302	40%			
45 Union/Stockton OB	351	473	74%	179	315	57%			
N Judah IB	424	2,040	21%	433	2,197	20%			
N Judah OB	445	2,040	22%	405	2,197	18%			
KT Ingleside IB	381	793	48%	314	793	40%			
KT Ingleside OB	310	793	39%	550	793	69%			
10 Townsend	201	270	74%	170	189	90%			
47 Van Ness	221	378	58%	145	378	38%			
81x Caltrain Express	71	104	68%						
83x Mid-Market Express	44	252	17%	33	172	19%			
Notes: Bold indicates capacity utilization of 8			2,70	55	-/-	2370			

Notes: **Bold** indicates capacity utilization of 85 percent or greater.

Source: San Francisco Planning Department, "Transit Data for Transportation Impact Studies," May 2015. See **Appendix C** for Transit Line Capacity Calculations.

Table 22: Muni Downtown Screenlines – PM Peak Hour Outbound	
(Maximum Commercial Scenario)	

	(Maxin	num Comi	mercial Sce	enario)			
		Baseline		Baseline Plus Project			
Muni Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contribution
Northeast							
Kearny/Stockton	2,444	3,327	73%	72	2,516	76%	2.86%
Other lines	1,134	1,750	65%	111	1,245	71%	8.92%
E Embarcadero IB	89	280	32%	9	98	35%	9.18%
F Market & Wharves IB	517	840	62%	0	517	62%	0.00%
10 Townsend IB	386	315	123%	84	470	149%	17.87%
11 Downtown Connector IB	142	315	45%	18	160	51%	11.26%
12 Folsom Pacific OB							
Screenline Total	3,578	5,077	70%	183	3,761	74%	4.87%
Northwest							
Geary	2,913	3,621	80%	0	2,913	80%	0.00%
California	1,349	1,752	77%	0	1,349	77%	0.00%
Sutter/Clement	523	630	83%	0	523	83%	0.00%
Fulton/Hayes	1,544	1,838	84%	0	1,544	84%	0.00%
Balboa	537	974	55%	0	537	55%	0.00%
Screenline Total	6,866	8,815	78%	0	6,866	78%	0.00%
Southeast							
Third Street	1,836	3,808	48%	243	2,079	55%	11.69%
Mission ¹	1,927	2,632	73%	0	1,927	73%	0.00%
San Bruno/Bayshore	1,035	2,134	49%	0	1,035	49%	0.00%
Other lines	1,213	1,612	75%	115	1,328	82%	8.66%
J Church OB	642	793	81%	0	642	81%	0.00%
10 Townsend OB	299	315	95%	64	363	115%	17.63%
12 Folsom Pacific OB	255	323	0070		303		27.0070
19 Polk OB	168	252		0	168	67%	0.00%
27 Bryant OB	104	252		51	155	62%	32.90%
Screenline Total	6,011	10,186	59%	358	6,369	63%	5.62%
Southwest	0,011	10,100	3370	330	0,505	0370	3.0270
Subway lines	5,433	6,804	80%	194	5,627	83%	3.45%
Haight/Noriega	1,065	1,596	67%	0	1,065	67%	0.00%
Other lines	655	840	78%	0	655	78%	0.00%
Screenline Total	7,153	9,240	77%	194	7,347	80%	2.64%
Muni Screenlines Total	23,608	33,318	71%	735	24,343	73%	3.02%
Project Specific Cordon		00,020					0.02.0
Project-Specific Cordon Total	3,426	8,292	41%	485	3,911	47%	12.40%
Individual Muni Routes - PM Peak Hou		3,202	12.1		3/5 ==		
Muni Route & Muni Direction							
30 Stockton IB	338	470	72%	36	374	80%	9.63%
30 Stockton OB	424	470	90%	54	478	102%	11.30%
45 Union/Stockton IB	108	315	34%	12	120	38%	10.00%
45 Union/Stockton OB	222	315	70%	45	267	85%	16.85%
N Judah IB	413	2,380	17%	67	480	20%	13.96%
N Judah OB	298	2,380	13%	103	401	17%	25.69%
T Third IB	1,940	3,808	51%	243	2,183	57%	11.13%
T Third OB	1,742	3,808	46%	373	2,115	56%	17.65%
VD	1,,74	3,000	7070	3/3	2,113	3070	17.0370

Table 23: Muni Downtown Screenlines – AM Peak Hour Inbound (Maximum Residencial Scenario)

		Baseline			Baseline Plus Project			
Muni Screenline	Ridership	Capacity	Utilization	Project	Ridership	Utilization	%	
Northeast	<u>'</u>	, ,		Trips	<u>'</u>		Contribution	
Kearny/Stockton	2,273	3,157	72%	66	2,339	74%	2.82%	
Other lines	867	1,470	59%	101	968	66%	10.43%	
E Embarcadero OB	63	280	23%	11	74	26%	14.86%	
F Market & Wharves OB	406	560	73%	0	406	73%	0.00%	
10 Townsend OB	304	315	97%	68	372	118%	18.28%	
11 Downtown Connector OB	94	315	30%	22	116	37%	18.97%	
12 Folsom Pacific IB								
Screenline Total	3,140	4.627	68%	167	3,307	71%	5.05%	
Northwest	5,2 10	1,7521			0,00			
Geary	2,302	3,763	61%	0	2,302	61%	0.00%	
California	1,436	2,010	71%	0	1,436	71%	0.00%	
Sutter/Clement	514	630	82%	0	514	82%	0.00%	
Fulton/Hayes	1,505	2,237	67%	0	1,505	67%	0.00%	
Balboa	553	1,008	55%	0	553	55%	0.00%	
Screenline Total	6,310	9,648	65%	0	6,310	65%	0.00%	
Southeast	0,310	3,040	0370		0,310	0370	0.0070	
Third Street	1,025	3,808	27%	199	1,224	32%	16.26%	
Mission ¹	2.155	2,632	82%	0	2,155	82%	0.00%	
San Bruno/Bayshore	1,867	2,197	85%	0	1,867	85%	0.00%	
Other lines	1,577	1,712	92%	108	1,685	98%	6.41%	
J Church IB	883	893	99%	0	883	99%	0.41%	
10 Townsend IB	378	315	120%	51	429	136%	11.89%	
12 Folsom Pacific IB	376	313	120%	31	423	130%	11.0976	
19 Polk IB	188	252	75%	0	188	75%	0.00%	
27 Bryant IB	128	252	51%	57	185	73%	30.81%	
Screenline Total	6,624	10,349	64%	307	6,931	67%	4.43%	
Southwest	0,024	10,349	04%	307	0,931	07 /6	4.43 //	
Subway lines	6,783	7,020	97%	168	6,951	99%	2.42%	
Haight/Noriega	1,178	1,596	74%	0	1,178	74%	0.00%	
Other lines	474	560	85%	0	474	85%	0.00%	
Screenline Total	8,435	9,176	92%	168	8,603	94%	1.95%	
Muni Screenlines Total	24,509	33,800	73%	642	25,151	74%	2.55%	
Project Specific Cordon	24,509	33,800	73%	042	25,151	74%	2.55%	
· ·	4.022	0.000	4.49/	200	4.420	400/	0.000/	
Project-Specific Cordon Total Individual Muni Routes - AM Peak Ho	4,022	9,090	44%	398	4,420	49%	9.00%	
Muni Route & Muni Direction	Jur							
	124	705	109/	EO	10/	269/	27 170/	
30 Stockton IB	134	705	19%	50	184	26%	27.17%	
30 Stockton OB	485	705 473	69%	29	514	73%	5.64%	
45 Union/Stockton IB	223		47%	16	239	51%	6.69%	
45 Union/Stockton OB	347	473	73%	9	356	75%	2.53%	
N Judah IB	408	2,596	16%	92	500	19%	18.40%	
N Judah OB	415	2,596	16%	336	469	18%	11.51%	
T Third IB	1,097	3,808	29%	336	1,433	38%	23.46%	
T Third OB	1,931	3,808	51%	199	2,130	56%	9.34%	

Table 24: Muni Downtown Screenlines – PM Peak Hour Outbound (Maximum Residential Scenario)

			aciiciai Sec					
		Baseline			Baseline Plus Project			
Muni Screenline	Ridership	Capacity	Utilization	Project	Ridership	Utilization	%	
No state on a t	- Tuderstinp	Capacity	• till 2011	Trips	Tauders.iiip	• till Editori	Contribution	
Northeast	2 4 4 4	2 227	720/	CF	2.500	750/	2 500/	
Kearny/Stockton	2,444	3,327	73%	65	2,509	75%	2.59%	
Other lines	1,134	1,750	65%	101	1,235	71%	8.18%	
E Embarcadero IB	89	280	32%	10	99	35%	10.10%	
F Market & Wharves IB	517	840	62%	0	517	62%	0.00%	
10 Townsend IB	386	315	123%	72	458	145%	15.72%	
11 Downtown Connector IB	142	315	45%	19	161	51%	11.81%	
12 Folsom Pacific OB								
Screenline Total	3,578	5,077	70%	166	3,744	74%	4.43%	
Northwest								
Geary	2,913	3,621	80%	0	2,913	80%	0.00%	
California	1,349	1,752	77%	0	1,349	77%	0.00%	
Sutter/Clement	523	630	83%	0	523	83%	0.00%	
Fulton/Hayes	1,544	1,838	84%	0	1,544	84%	0.00%	
Balboa	537	974	55%	0	537	55%	0.00%	
Screenline Total	6,866	8,815	78%	0	6,866	78%	0.00%	
Southeast								
Third Street	1,836	3,808	48%	266	2,102	55%	12.65%	
Mission ¹	1,927	2,632	73%	0	1,927	73%	0.00%	
San Bruno/Bayshore	1,035	2,134	49%	0	1,035	49%	0.00%	
Other lines	1,213	1,612	75%	120	1,333	83%	9.00%	
J Church OB	642	793	81%	0	642	81%	0.00%	
10 Townsend OB	299	315	95%	64	363	115%	17.63%	
12 Folsom Pacific OB	233	313	3370	04	303	11370	17.0370	
19 Polk OB	168	252	0%	0	168	67%	0.00%	
				-				
27 Bryant OB	104	252	0%	56	160	63%	35.00%	
Screenline Total	6,011	10,186	59%	386	6,397	63%	6.03%	
Southwest	= +00		222			2001	2.050/	
Subway lines	5,433	6,804	80%	165	5,598	82%	2.95%	
Haight/Noriega	1,065	1,596	67%	0	1,065	67%	0.00%	
Other lines	655	840	78%	0	655	78%	0.00%	
Screenline Total	7,153	9,240	77%	165	7,318	79%	2.25%	
Muni Screenlines Total	23,608	33,318	71%	717	24,325	73%	2.95%	
Project Specific Cordon								
Project-Specific Cordon Total	3,426	8,292	41%	530	3,956	48%	13.40%	
Individual Muni Routes - PM Peak Hou	r							
Muni Route & Muni Direction								
30 Stockton IB	338	470	72%	40	378	80%	10.58%	
30 Stockton OB	424	470	90%	21	445	95%	4.72%	
45 Union/Stockton IB	108	315	34%	13	121	38%	10.74%	
45 Union/Stockton OB	222	315	70%	44	266	84%	16.54%	
N Judah IB	413	2,380	17%	73	486	20%	15.02%	
N Judah OB	298	2,380	13%	89	387	16%	23.00%	
T Third IB	1,940	3,808	51%	266	2,206	58%	12.06%	
T Third OB	1,742	3,808	46%	321	2,063	54%	15.56%	

Table 3			enlines AM F		bound		
		Cumulative			Cumulative	Plus Project	
Muni Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contributio n
Northeast							
Kearny/Stockton	7,394	9,473	78%	68	7,462	79%	0.91%
Other lines	758	1,785	42%	119	877	49%	13.57%
E Embarcadero OB	75	280	27%	12	87	31%	13.79%
F Market & Wharves OB	315	560	56%	0	315	56%	0.00%
10 Townsend OB	259	630	41%	82	341	54%	24.05%
11 Downtown Connector OB	109	315	35%	25	134	43%	18.66%
12 Folsom Pacific OB							
Screenline Total	8,152	11,258	72%	187	8,339	74%	2.24%
Northwest							
Geary	2,673	3,763	71%	0	2,673	71%	0.00%
California	1,989	2,306	86%	0	1,989	86%	0.00%
Sutter/Clement	581	756	77%	0	581	77%	0.00%
Fulton/Hayes	1,962	1,977	99%	0	1,962	99%	0.00%
Balboa	690	1,008	68%	0	690	68%	0.00%
Screenline Total	7,895	9,810	80%	0	7,895	80%	0.00%
Southeast							
Third Street	2,422	5,712	42%	185	2,607	46%	7.11%
Mission	3,117	3,008	104%	0	3,117	104%	0.00%
San Bruno/Bayshore	1,952	2,197	89%	0	1,952	89%	0.00%
Other lines	1,795	2,027	89%	90	1,885	93%	4.77%
J Church IB	915	893	102%	0	915	102%	0.00%
10 Townsend IB	544	630	86%	55	599	95%	9.18%
12 Folsom Pacific IB							
19 Polk IB	160	252	63%	0	160	63%	0.00%
27 Bryant IB	176	252	70%	35	211	84%	16.59%
Screenline Total	9,286	12,944	72%	275	9,561	74%	2.88%
Southwest		,-,-			1,5		
Subway lines	6,314	7,020	90%	210	6,524	93%	3.22%
Haight/Noriega	1,415	1,596	89%	0	1,415	89%	0.00%
Other lines	175	560	31%	0	175	31%	0.00%
Screenline Total	7,904	9,176	86%	210	8,114	88%	2.59%
Muni Screenlines Total	33,237	43,188	77%	672	33,909	79%	1.98%
Project Specific Cordon	33,237	45,100	7770	072	33,303	7370	1.5070
Project-Specific Cordon Total	5,541	10,994	50%	364	5,905	54%	6.17%
Individual Muni Routes - AM Peak H		10,554	30%	304	3,505	3470	0.1770
Muni Route & Muni Direction							
30 Stockton IB	215	705	30%	60	275	39%	21.82%
30 Stockton OB	478	705	68%	27	505	72%	5.35%
45 Union/Stockton IB	606	473	128%	8	614	130%	1.30%
45 Union/Stockton OB	485	473	103%	4	489	103%	0.82%
N Judah IB	382	2,596	15%	111	493	19%	22.52%
N Judah OB	398	2,596	15%	49	447	17%	10.96%
T Third IB	1,554	5,712	27%	418	1,972	35%	21.19%

T Third OB

Source: San Francisco Planning Department, "Transit Data for Transportation Impact Studies," May 2015. See **Appendix C** for Transit Line Capacity Calculations.

5,712

3,327

58%

185

3,513

5.28%

Table 3	36: Muni Dov		enlines AM F dential Scena		bound		
	(Cumulative			Cumulative	Plus Project	
Muni Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contributio
Northeast							
Kearny/Stockton	7,394	9,473	78%	57	7,451	79%	0.76%
Other lines	758	1,785	42%	101	859	48%	11.76%
E Embarcadero OB	75	280	27%	11	86	31%	12.79%
F Market & Wharves OB	315	560	56%	0	315	56%	0.00%
10 Townsend OB	259	630	41%	68	327	52%	20.80%
11 Downtown Connector OB	109	315	35%	22	131	42%	16.79%
12 Folsom Pacific OB							
Screenline Total	8,152	11,258	72%	158	8,310	74%	1.90%
Northwest							
Geary	2,673	3,763	71%	0	2,673	71%	0.00%
California	1,989	2,306	86%	0	1,989	86%	0.00%
Sutter/Clement	581	756	77%	0	581	77%	0.00%
Fulton/Hayes	1,962	1,977	99%	0	1,962	99%	0.00%
Balboa	690	1,008	68%	0	690	68%	0.00%
Screenline Total	7,895	9,810	80%	0	7,895	80%	0.00%
Southeast							
Third Street	2,422	5,712	42%	207	2,629	46%	7.86%
Mission	3,117	3,008	104%	0	3,117	104%	0.00%
San Bruno/Bayshore	1,952	2,197	89%	0	1,952	89%	0.00%
Other lines	1,795	2,027	89%	87	1,882	93%	4.62%
J Church IB	915	893	102%	0	915	102%	0.00%
10 Townsend IB	544	630	86%	51	595	94%	8.57%
12 Folsom Pacific IB							
19 Polk IB	160	252	63%	0	160	63%	0.00%
27 Bryant IB	176	252	70%	36	212	84%	16.98%
Screenline Total	9,286	12,944	72%	294	9,580	74%	3.06%
Southwest	3,200	12/3 / /	72.0	23.	3,300	7 170	3.0070
Subway lines	6,314	7,020	90%	173	6,487	92%	2.67%
Haight/Noriega	1,415	1,596	89%	0	1,415	89%	0.00%
Other lines	175	560	31%	0	175	31%	0.00%
Screenline Total	7,904	9,176	86%	173	8,077	88%	2.14%
Muni Screenlines Total	33,237	43,188	77%	625	33,862	78%	1.84%
Project Specific Cordon	00,201	10,200			55,532		
Project-Specific Cordon Total	5,541	10,994	50%	401	5,941	54%	6.74%
Individual Muni Routes - AM Peak H		=0,00			0,0 12		
Muni Route & Muni Direction							
30 Stockton IB	215	705	30%	50	265	38%	18.87%
30 Stockton OB	478	705	68%	29	507	72%	5.72%
45 Union/Stockton IB	606	473	128%	7	613	130%	1.14%
45 Union/Stockton OB	485	473	103%	4	489	103%	0.82%
N Judah IB	382	2,596	15%	92	474	18%	19.41%
N Judah OB	398	2,596	15%	54	452	17%	11.95%
T Third IB	1,554	5,712	27%	350	1,905	33%	18.39%
T Third OB	3,327	5,712	58%	207	3,534	62%	5.84%
	5,521	3,712	3070	-0,	3,337	0270	J.UT/0

Notes: **Bold** indicates capacity utilization of 85 percent or greater.

Source: San Francisco Planning Department, "Transit Data for Transportation Impact Studies," May 2015. See **Appendix C** for Transit Line Capacity Calculations.

Table 35: Muni Downtown Screenlines PM Peak Hour Outbound
(Maximum Commercial Scenario)

	(Max	imum Comn	nercial Scena	rio)			
		Cumulative			Cumulative	Plus Project	
Muni Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contributio n
Northeast							"
Kearny/Stockton	6,295	8,329	76%	63	6,358	76%	0.99%
Other lines	1,229	2,065	60%	111	1,340	65%	8.28%
E Embarcadero IB	96	280	34%	9	105	38%	8.57%
F Market & Wharves IB	490	840	58%	0	490	58%	0.00%
10 Townsend IB	482	630	77%	84	566	90%	14.84%
11 Downtown Connector IB	161	315	51%	18	179	57%	10.06%
12 Folsom Pacific OB							
Screenline Total	7,524	10,394	72%	174	7,698	74%	2.26%
Northwest							
Geary	2,996	3,621	83%	0	2,996	83%	0.00%
California	1,766	2,021	87%	0	1,766	87%	0.00%
Sutter/Clement	749	756	99%	0	749	99%	0.00%
Fulton/Hayes	1,762	1,878	94%	0	1,762	94%	0.00%
Balboa	776	974	80%	0	776	80%	0.00%
Screenline Total	8.049	9.250	87%	0	8,049	87%	0.00%
Southeast	0,013	3,230	07.0		0,0.15	0.70	0.0070
Third Street	2,300	5,712	40%	253	2,553	45%	9.90%
Mission	2,673	3,008	89%	0	2,673	89%	0.00%
San Bruno/Bayshore	1,817	2,134	85%	0	1,817	85%	0.00%
Other lines	1,582	1,927	82%	97	1,679	87%	5.78%
J Church OB	655	793	83%	0	655	83%	0.00%
10 Townsend OB	627	630	100%	64	691	110%	9.26%
12 Folsom Pacific OB	027	030	10070	01	031	11070	3.2070
19 Polk OB	160	252	63%	0	160	63%	0.00%
27 Bryant OB	140	252	56%	33	173	69%	19.08%
Screenline Total	8,372	12,781	66%	350	8,722	68%	4.01%
Southwest	0,372	12,701	0070	330	0,722	0070	4.0170
Subway lines	5,692	6,804	84%	201	5,893	87%	3.41%
Haight/Noriega	1,265	1,596	79%	0	1,265	79%	0.00%
Other lines	380	840	45%	0	380	45%	0.00%
Screenline Total	7,337	9,240	79%	201	7,538	82%	2.67%
Muni Screenlines Total	31,282	41,665	75%	725	32,007	77%	2.26%
Project Specific Cordon	31,202	41,003	7370	723	32,007	1170	2.2070
· ·	E E E 2	10.005	51%	488	6,040	56%	8.08%
Project-Specific Cordon Total Individual Muni Routes - PM Peak Hou	5,552	10,805	31/0	400	0,040	30%	0.0070
	AI.						
Muni Route & Muni Direction	247	705	400/	26	202	F 40/	0.400/
30 Stockton OB	347	705	49%	36	383	54%	9.40%
30 Stockton IB	400	705	57%	54	454	64%	11.89%
45 Union/Stockton OB	297	473	63%	5	302	64%	1.66%
45 Union/Stockton IB	323	473	68%	9	332	70%	2.71%
N Judah OB	338	2,596	13%	67	405	16%	16.54%
N Judah IB	265	2,596	10%	103	368	14%	27.99%
T Third IB	3,758	5,712	66%	253	4,011	70%	6.30%
T Third OB Notes: Bold indicates capacity utilization of 85	2,219	5,712	39%	389	2,608	46%	14.91%

Table 37			nlines PM Pea		tbound				
		Cumulative			Cumulative	Cumulative Plus Project Ridership Utilization Contribut n 6,351 76% 0.88% 1,330 64% 7.59% 106 38% 9.43% 490 58% 0.00% 554 88% 13.00% 180 57% 10.56% 7,681 74% 2.04% 2,996 83% 0.00% 1,766 87% 0.00% 749 99% 0.00% 1,762 94% 0.00% 776 80% 0.00%			
Muni Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership		Contributio		
Northeast									
Kearny/Stockton	6,295	8,329	76%	56	6,351	76%	0.88%		
Other lines	1,229	2,065	60%	101	1,330	64%	7.59%		
E Embarcadero IB	96	280	34%	10		38%	9.43%		
F Market & Wharves IB	490	840	58%	0	490	58%	0.00%		
10 Townsend IB	482	630	77%	72	554	88%	13.00%		
11 Downtown Connector IB	161	315	51%	19			10.56%		
12 Folsom Pacific OB			0 = 10						
Screenline Total	7,524	10,394	72%	157	7.681	74%	2 04%		
Northwest	7,32 .	20,55	72.0	257	7,002	7 170	2.0 170		
Geary	2,996	3,621	83%	0	2,996	83%	0.00%		
California	1,766	2,021	87%	0	-				
Sutter/Clement	749	756	99%	0					
Fulton/Hayes	1,762	1,878	94%	0	-				
Balboa	776	974	80%	0					
Screenline Total	8,049	9,250	87%	0	8,049	87%	0.00%		
Southeast	0,043	9,230	6776	0	0,043	6776	0.0076		
Third Street	2,300	5,712	40%	276	2,576	45%	10.71%		
Mission	2,673	3,008	89%	0	2,673	89%	0.00%		
San Bruno/Bayshore	1,817	2,134	85%	0	1,817	85%	0.00%		
Other lines			82%	102					
	1,582	1,927			1,684	87%	6.06%		
J Church OB	655	793	83%	0	655	83%	0.00%		
10 Townsend OB	627	630	100%	64	691	110%	9.26%		
12 Folsom Pacific OB	160	252	6207	0	1.00	620/	0.000/		
19 Polk OB	160	252	63%	0	160	63%	0.00%		
27 Bryant OB	140	252	56%	38	178	71%	21.35%		
Screenline Total	8,372	12,781	66%	378	8,750	68%	4.32%		
Southwest	F (02	6.004	0.40/	170	F 062	0.00/	2.000/		
Subway lines	5,692	6,804	84%	170	5,862	86%	2.90%		
Haight/Noriega	1,265	1,596	79%	0	1,265	79%	0.00%		
Other lines	380	840	45%	0	380	45%	0.00%		
Screenline Total	7,337	9,240	79%	170	7,507	81%	2.26%		
Muni Screenlines Total	31,282	41,665	75%	705	31,987	77%	2.20%		
Project Specific Cordon		40.005	==0/	=22			0 = 40/		
Project-Specific Cordon Total Individual Muni Routes - PM Peak Hou	<i>5,552</i> ır	10,805	51%	532	6,084	56%	8.74%		
Muni Route & Muni Direction									
30 Stockton OB	347	705	49%	40	387	55%	10.34%		
30 Stockton IB	400	705	57%	49	449	64%	10.91%		
45 Union/Stockton OB	297	473	63%	5	302	64%	1.66%		
45 Union/Stockton IB	323	473	68%	7	330	70%	2.12%		
N Judah OB	338	2,596	13%	73	411	16%	17.76%		
N Judah IB	265	2,596	10%	89	354	14%	25.14%		
T Third IB	3,758	5,712	66%	276	4,034	71%	6.84%		

Notes: **Bold** indicates capacity utilization of 85 percent or greater.

Source: San Francisco Planning Department, "Transit Data for Transportation Impact Studies," May 2015. See **Appendix C** for Transit Line Capacity Calculations

335

2,554

13.11%

5,712

2,219

Table 8: Re	egional Trans	it Screenlines	– Existing Co	onditions			
Regional Screenline	AM Pe	eak Hour (Inb	ound)	PM Peak Hour (Outbound)			
Regional Screenine	Ridership	Capacity	Utilization	Ridership	22,784 3,926 1,615 28,325 2,817 1,959 4,776 18,900 3,100 320 - 22,320 55,421	Utilization	
East Bay							
BART	25,399	23,256	109%	24,488	22,784	107%	
AC Transit	1,568	2,829	55%	2,256	3,926	57%	
Ferries	810	1,170	69%	805	1,615	50%	
Screenline Total	27,777	27,255	102%	27,549	28,325	97%	
North Bay							
Golden Gate Transit Bus	1,330	2,543	52%	1,384	2,817	49%	
Ferries	1,082	1,959	55%	968	1,959	49%	
Screenline Total	2,412	4,502	54%	2,352	4,776	49%	
South Bay							
BART	14,150	19,367	73%	13,500	18,900	71%	
Caltrain	2,171	3,100	70%	2,377	3,100	77%	
SamTrans	255	520	49%	141	320	44%	
Ferries	-	-	-	-	-	-	
Screenline Total	16,576	22,987	72%	16,018	22,320	72%	
Regional Screenlines Total	46,765	54,744	85%	45,919	55,421	83%	

Table 25: Regional Transit Screenlines – AM Peak Hour (Maximum Commercial Scenario)											
·		Baseline			Baseline	Plus Project					
Regional Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contribution				
East Bay											
BART	28,000	25,680	109%	301	28,301	110%	1.06%				
AC Transit	1,596	2,829	56%	35	1,631	58%	2.15%				
Ferries	818	1,170	70%	18	836	71%	2.15%				
Screenline Total	30,414	29,679	102%	354	30,768	104%	1.15%				
North Bay											
Golden Gate Transit Bus	1,344	2,543	53%	40	1,384	54%	2.89%				
Ferries	1,088	1,959	56%	27	1,115	57%	2.42%				
Screenline Total	2,432	4,502	54%	67	2,499	56%	2.68%				
South Bay											
BART	16,000	21,400	75%	196	16,196	76%	1.21%				
Caltrain	2,258	3,100	73%	52	2,310	75%	2.25%				
SamTrans	266	520	51%	13	279	54%	4.66%				
Screenline Total	18,524	25,020	74%	261	18,785	75%	1.39%				
Regional Screenlines Total	51,370	59,201	87%	682	52,052	88%	1.31%				

Source: San Francisco Planning Department, "Transit Data for Transportation Impact Studies," May 2015.

Table 27: Regional Transit Screenlines – AM Peak Hour (Maximum Residential Scenario)											
		Baseline			Baseline	Plus Project					
Regional Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contribution				
East Bay											
BART	28,000	25,680	109%	253	28,253	110%	0.90%				
AC Transit	1,596	2,829	56%	30	1,626	57%	1.85%				
Ferries	818	1,170	70%	15	833	71%	1.80%				
Screenline Total	30,414	29,679	102%	298	30,712	103%	0.97%				
North Bay											
Golden Gate Transit Bus	1,344	2,543	53%	31	1,375	54%	2.25%				
Ferries	1,088	1,959	56%	21	1,109	57%	1.89%				
Screenline Total	2,432	4,502	54%	52	2,484	55%	2.09%				
South Bay											
BART	16,000	21,400	75%	199	16,199	76%	1.23%				
Caltrain	2,258	3,100	73%	53	2,311	75%	2.29%				
SamTrans	266	520	51%	13	279	54%	4.66%				
Screenline Total	18,524	25,020	74%	265	18,789	75%	1.41%				
Regional Screenlines Total	51,370	59,201	87%	615	51,985	88%	1.18%				

Notes: **Bold** indicates capacity utilization of 85 percent or greater.

Table 26: Regional Transit Screenlines – PM Peak Hour (Maximum Commercial Scenario)										
		Baseline			Baseline F	Plus Project				
Regional Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contribution			
East Bay										
BART	27,000	25,680	105%	282	27,282	106%	1.03%			
AC Transit	2,297	3,926	59%	33	2,330	59%	1.42%			
Ferries	813	1,615	50%	17	830	51%	2.05%			
Screenline Total	30,110	31,221	96%	332	30,442	98%	1.09%			
North Bay										
Golden Gate Transit Bus	1,399	2,817	50%	39	1,438	51%	2.71%			
Ferries	973	1,959	50%	26	999	51%	2.60%			
Screenline Total	2,372	4,776	50%	65	2,437	51%	2.67%			
South Bay										
BART	15,000	21,400	70%	195	15,195	71%	1.28%			
Caltrain	2,472	3,100	80%	52	2,524	81%	2.06%			
SamTrans	147	320	46%	13	160	50%	8.13%			
Screenline Total	17,619	24,820	71%	260	17,879	72%	1.45%			
Regional Screenlines Total	50,101	60,817	82%	657	50,758	83%	1.29%			

Source: San Francisco Planning Department, "Transit Data for Transportation Impact Studies," May 2015.

Table 28: Regional Transit Screenlines – PM Peak Hour (Maximum Residential Scenario)										
		Baseline			Baseline P	lus Project				
Regional Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contribution			
East Bay										
BART	27,000	25,680	105%	242	27,242	106%	0.89%			
AC Transit	2,297	3,926	59%	28	2,325	59%	1.20%			
Ferries	813	1,615	50%	14	827	51%	1.69%			
Screenline Total	30,110	31,221	96%	284	30,394	97%	0.93%			
North Bay										
Golden Gate Transit Bus	1,399	2,817	50%	31	1,430	51%	2.17%			
Ferries	973	1,959	50%	21	994	51%	2.11%			
Screenline Total	2,372	4,776	50%	52	2,424	51%	2.15%			
South Bay										
BART	15,000	21,400	70%	203	15,203	71%	1.34%			
Caltrain	2,472	3,100	80%	54	2,526	81%	2.14%			
SamTrans	147	320	46%	14	161	50%	8.70%			
Screenline Total	17,619	24,820	71%	271	17,890	72%	1.51%			
Regional Screenlines Total	50,101	60,817	82%	607	50,708	83%	1.20%			

Notes: **Bold** indicates capacity utilization of 85 percent or greater.

Table 38: Regional Transit Scr	eenlines AM I	Peak Hour – (Cumulative Co	onditions (Ma	ıximum Comı	mercial Scena	ırio)
		Cumulative			Cumulative		
Regional Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contributio n
East Bay							
BART	38,000	32,100	118%	301	38,301	119%	0.79%
AC Transit	7,000	12,000	58%	35	7,035	59%	0.50%
Ferries	4682	5,940	79%	18	4,700	79%	0.38%
Screenline Total	49,682	50,040	99%	354	50,036	100%	0.71%
North Bay							
Golden Gate Transit Bus	1,990	2,543	78%	40	2,030	80%	1.97%
Ferries	1,619	1,959	83%	27	1,646	84%	1.64%
Screenline Total	3,609	4,502	80%	67	3,676	82%	1.82%
South Bay							
BART	21,000	28,808	73%	196	21,196	74%	0.92%
Caltrain	2,310	3,600	64%	52	2,362	66%	2.20%
SamTrans	271	520	52%	13	284	55%	4.58%
Screenline Total	23,581	32,928	72%	261	23,842	72%	1.09%
Regional Screenlines Total	76,872	87,470	88%	682	77,554	89%	0.88%

 $\underline{Source}\hbox{: San Francisco Planning Department, "Transit Data for Transportation Impact Studies," May 2015.$

Table 40: Regional Transit Screenlines AM Peak Hour – Cumulative Conditions (Maximum Residential Scenario)										
	Cumulative			Cumulative Plus Project						
Regional Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contributio n			
East Bay										
BART	38,000	32,100	118%	253	38,253	119%	0.66%			
AC Transit	7,000	12,000	58%	30	7,030	59%	0.43%			
Ferries	4682	5,940	79%	15	4,697	79%	0.32%			
Screenline Total	49,682	50,040	99%	298	49,980	100%	0.60%			
North Bay										
Golden Gate Transit Bus	1,990	2,543	78%	31	2,021	79%	1.53%			
Ferries	1,619	1,959	83%	21	1,640	84%	1.28%			
Screenline Total	3,609	4,502	80%	52	3,661	81%	1.42%			
South Bay										
BART	21,000	28,808	73%	199	21,199	74%	0.94%			
Caltrain	2,310	3,600	64%	53	2,363	66%	2.24%			
SamTrans	271	520	52%	13	284	55%	4.58%			
Screenline Total	23,581	32,928	72%	265	23,846	72%	1.11%			
Regional Screenlines Total	76,872	87,470	88%	615	77,487	89%	0.79%			

 $\underline{\text{Notes}}; \textbf{Bold} \text{ indicates capacity utilization of 85 percent or greater}.$

Table 39: Regional Transit Screenlines PM Peak Hour – Cumulative Conditions (Maximum Commercial Scenario)									
		Cumulative			Cumulative				
Regional Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contributio n		
East Bay									
BART	36,000	32,100	112%	282	36,282	113%	0.78%		
AC Transit	7,000	12,000	58%	33	7,033	59%	0.47%		
Ferries	5319	5,940	90%	17	5,336	90%	0.32%		
Screenline Total	48,319	50,040	97%	332	48,651	97%	0.68%		
North Bay									
Golden Gate Transit Bus	2,070	2,817	74%	39	2,109	75%	1.85%		
Ferries	1,619	1,959	83%	26	1,645	84%	1.58%		
Screenline Total	3,689	4,776	77%	65	3,754	79%	1.73%		
South Bay									
BART	20,000	28,808	69%	195	20,195	70%	0.97%		
Caltrain	2,529	3,600	70%	52	2,581	72%	2.01%		
SamTrans	150	320	47%	13	163	51%	7.98%		
Screenline Total	22,679	32,728	69%	260	22,939	70%	1.13%		
Regional Screenlines Total	74,687	87,544	85%	657	75,344	86%	0.87%		

 $\underline{Source} : San\ Francisco\ Planning\ Department,\ "Transit\ Data\ for\ Transportation\ Impact\ Studies,"\ May\ 2015.$

Table 41: Regional Transit Screenlines PM Peak Hour – Cumulative Conditions (Maximum Residential Scenario)									
	Cumulative			Cumulative Plus Project					
Regional Screenline	Ridership	Capacity	Utilization	Project Trips	Ridership	Utilization	% Contributio n		
East Bay									
BART	36,000	32,100	112%	242	36,242	113%	0.67%		
AC Transit	7,000	12,000	58%	28	7,028	59%	0.40%		
Ferries	5319	5,940	90%	14	5,333	90%	0.26%		
Screenline Total	48,319	50,040	97%	284	48,603	97%	0.58%		
North Bay									
Golden Gate Transit Bus	2,070	2,817	74%	31	2,101	75%	1.48%		
Ferries	1,619	1,959	83%	21	1,640	84%	1.28%		
Screenline Total	3,689	4,776	77%	52	3,741	78%	1.39%		
South Bay									
BART	20,000	28,808	69%	203	20,203	70%	1.00%		
Caltrain	2,529	3,600	70%	54	2,583	72%	2.09%		
SamTrans	150	320	47%	14	164	51%	8.54%		
Screenline Total	22,679	32,728	69%	271	22,950	70%	1.18%		
Regional Screenlines Total	74,687	87,544	85%	607	75,294	86%	0.81%		

 $\underline{\textbf{Notes}}; \textbf{Bold} \ \text{indicates capacity utilization of 85 percent or greater}.$