

Appendix G4: Intermodal Rail Analysis

CONFIDENTIAL DATA: ATTORNEY CLIENT PRIVILEGE

SCIG Scenarios Lifts/TEUs Data from Train Builder Intermodal Rail Analysis Module embedded in Quick Trip - Train Builder Integrated Model
 Prepared for the Port of Los Angeles by Cambridge Systematics on August 13, 2012

<i>DEMAND in Lifts</i>	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed	
Total including Additional Yard Capacity Needed	
Total excluding Additional Yard Capacity Needed	

<i>Scenario #1 - Baseline 2010</i>					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
1,840,321			1,840,321		
<i>100%</i>					
1,037,123			1,037,123		
803,198			803,198		
912,306	639,251	1,091,004	2,642,561		
<i>35%</i>	<i>24%</i>	<i>41%</i>			
448,592	305,116	640,338	1,394,046		
448,455	168,528	349,491	966,474	56.9%	
137	136,588	290,847	427,572	64.8%	
0	0	0	0		
0	0	0	0		
463,714	334,135	450,666	1,248,515		
36,862	146,751	227,856	411,469	63.3%	
417,992	2,452	1,300	421,744	51.3%	
103	111,276	119,900	231,279	99.7%	
8,757	73,656	101,610	184,023	54.1%	
0	0	0	0		

0	0	0	0		
2,752,627	639,251	1,091,004	4,482,882		
2,752,627	639,251	1,091,004	4,482,882		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #2 - Baseline 2010 w. 2035 BNSF volumes					
IPI L +E	TL L	Dom L+E	Total Lifts	Util. %	
1,840,321			1,840,321		
<i>100%</i>					
1,037,123			1,037,123		
803,198			803,198		
2,042,661	639,251	1,091,004	3,772,916		
<i>54%</i>	<i>17%</i>	<i>29%</i>			
1,578,947	305,116	640,338	2,524,401		
78,947	168,528	349,491	596,966	35.1%	
0	136,588	290,847	427,435	64.8%	
1,500,000	0	0	1,500,000	100.0%	
0	0	0	0		
463,714	334,135	450,666	1,248,515		
36,862	146,751	227,856	411,469	63.3%	
417,992	2,452	1,300	421,744	51.3%	
103	111,276	119,900	231,279	99.7%	
8,757	73,656	101,610	184,023	54.1%	
0	0	0	0		
0	0	0	0		
3,882,982	639,251	1,091,004	5,613,237		
3,882,982	639,251	1,091,004	5,613,237		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #3 - 2016 No Project				
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %
3,170,968			3,170,968	
<i>100%</i>				
1,585,484			1,585,484	
1,585,484			1,585,484	
685,655	923,450	1,393,227	3,002,332	
<i>23%</i>	<i>31%</i>	<i>46%</i>		
342,828	461,725	696,614	1,501,166	
342,828	323,207	487,630	1,153,665	38.5%
0	138,517	208,984	347,502	52.7%
0	0	0	0	N/A
0	0	0	0	
342,828	461,725	696,614	1,501,166	
17,141	230,862	348,307	596,311	47.7%
325,686	0	0	325,686	21.7%
0	46,172	69,661	115,834	49.9%
0	184,690	278,645	463,335	51.5%
0	0	0	0	
0	0	0	0	
3,856,624	923,450	1,393,227	6,173,301	
3,856,624	923,450	1,393,227	6,173,301	

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #4 - 2016 w. Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
3,170,968			3,170,968		
<i>100%</i>					
1,585,484			1,585,484		
1,585,484			1,585,484		
685,655	923,450	1,393,227	3,002,332		
<i>23%</i>	<i>31%</i>	<i>46%</i>			
342,828	461,725	696,614	1,501,166		
17,141	323,207	487,630	827,978	27.6%	
0	138,517	208,984	347,502	52.7%	
325,686	0	0	325,686	21.7%	
0	0	0	0		
342,828	461,725	696,614	1,501,166		
17,141	230,862	348,307	596,311	47.7%	
325,686	0	0	325,686	21.7%	
0	46,172	69,661	115,834	49.9%	
0	184,690	278,645	463,335	51.5%	
0	0	0	0		
0	0	0	0		
3,856,624	923,450	1,393,227	6,173,301		
3,856,624	923,450	1,393,227	6,173,301		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #5 - 2023 No Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
4,473,549			4,473,549		
<i>100%</i>					
2,236,774			2,236,774		
2,236,774			2,236,774		
970,087	1,310,802	1,853,554	4,134,443		
<i>23%</i>	<i>32%</i>	<i>45%</i>			
485,043	655,401	926,777	2,067,221		
485,043	458,781	648,744	1,592,568	53.1%	
0	196,620	278,033	474,653	71.9%	
0	0	0	0	N/A	
0	0	0	0		
485,043	655,401	926,777	2,067,221		
24,252	327,700	463,388	815,341	65.2%	
460,791	0	0	460,791	30.7%	
0	65,540	92,678	158,218	68.2%	
0	262,160	370,711	632,871	70.3%	
0	0	0	0		
0	0	0	0		
5,443,636	1,310,802	1,853,554	8,607,992		
5,443,636	1,310,802	1,853,554	8,607,992		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #6 - 2023 w. Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
4,473,549			4,473,549		
<i>100%</i>					
2,236,774			2,236,774		
2,236,774			2,236,774		
970,087	1,310,802	1,853,554	4,134,443		
<i>23%</i>	<i>32%</i>	<i>45%</i>			
485,043	655,401	926,777	2,067,221		
24,252	458,781	648,744	1,131,777	37.7%	
0	196,620	278,033	474,653	71.9%	
460,791	0	0	460,791	30.7%	
0	0	0	0		
485,043	655,401	926,777	2,067,221		
24,252	327,700	463,388	815,341	65.2%	
460,791	0	0	460,791	30.7%	
0	65,540	92,678	158,218	68.2%	
0	262,160	370,711	632,871	70.3%	
0	0	0	0		
0	0	0	0		
5,443,636	1,310,802	1,853,554	8,607,992		
5,443,636	1,310,802	1,853,554	8,607,992		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #7 - 2035 No Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
6,315,517			6,315,517		
100%					
3,157,758			3,157,758		
3,157,758			3,157,758		
2,194,321	2,054,153	2,747,446	6,995,920		
31%	29%	39%			
1,097,160	1,027,077	1,373,723	3,497,960		
1,097,160	718,954	1,021,846	2,837,960	94.6%	
0	308,123	351,877	660,000	100.0%	
0	0	0	0	N/A	
0	0	0	0		
1,097,160	1,027,077	1,373,723	3,497,960		
54,858	513,538	681,604	1,250,000	100.0%	
1,042,302	0	0	1,042,302	69.5%	
0	102,708	202,950	305,658	131.7%	
0	410,831	489,169	900,000	100.0%	
0	0	0	0		
0	0	0	0		
8,509,838	2,054,153	2,747,446	13,311,437		
8,509,838	2,054,153	2,747,446	13,311,437		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #8a - 2035 w. Project (Equal BNSF-UP IPI Share)					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
6,315,517			6,315,517		
<i>100%</i>					
3,157,758			3,157,758		
3,157,758			3,157,758		
2,194,321	2,054,153	2,747,446	6,995,920		
<i>31%</i>	<i>29%</i>	<i>39%</i>			
1,097,160	1,027,077	1,373,723	3,497,960		
54,858	718,954	1,021,846	1,795,658	59.9%	
0	308,123	351,877	660,000	100.0%	
1,042,302	0	0	1,042,302	69.5%	
0	0	0	0		
1,097,160	1,027,077	1,373,723	3,497,960		
54,858	513,538	681,604	1,250,000	100.0%	
1,042,302	0	0	1,042,302	69.5%	
0	102,708	202,950	305,658	131.7%	
0	410,831	489,169	900,000	100.0%	
0	0	0	0		
0	0	0	0		
8,509,838	2,054,153	2,747,446	13,311,437		
8,509,838	2,054,153	2,747,446	13,311,437		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #8b - 2035 w. Project (BNSF Higher IPI Share)

IPI L+E	TL L	Dom L+E	Total Lifts	Util. %
6,315,517			6,315,517	
<i>100%</i>				
3,157,758			3,157,758	
3,157,758			3,157,758	
2,194,321	2,054,153	2,747,446	6,995,920	
<i>31%</i>	<i>29%</i>	<i>39%</i>		
1,578,947	1,027,077	1,373,723	3,979,747	
78,947	718,954	1,021,846	1,819,747	60.7%
0	308,123	351,877	660,000	100.0%
1,500,000	0	0	1,500,000	100.0%
0	0	0	0	
615,374	1,027,077	1,373,723	3,016,173	
30,769	513,538	705,693	1,250,000	100.0%
584,605	0	0	584,605	39.0%
0	102,708	178,861	281,568	121.4%
0	410,831	489,169	900,000	100.0%
0	0	0	0	

0	0	0	0
8,509,838	2,054,153	2,747,446	13,311,437
8,509,838	2,054,153	2,747,446	13,311,437

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #9 - 2046 No Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
6,315,517			6,315,517		
<i>100%</i>					
3,157,758			3,157,758		
3,157,758			3,157,758		
2,194,321	2,054,153	2,909,790	7,158,264		
<i>31%</i>	<i>29%</i>	<i>41%</i>			
1,097,160	1,027,077	1,454,895	3,579,132		
1,097,160	718,954	1,103,018	2,919,132	97.3%	
0	308,123	351,877	660,000	100.0%	
0	0	0	0	N/A	
0	0	0	0		
1,097,160	1,027,077	1,454,895	3,579,132		
54,858	513,538	681,604	1,250,000	100.0%	
1,042,302	0	0	1,042,302	69.5%	
0	102,708	284,122	386,830	166.7%	
0	410,831	489,169	900,000	100.0%	
0	0	0	0		
0	0	0	0		
8,509,838	2,054,153	2,909,790	13,473,781		
8,509,838	2,054,153	2,909,790	13,473,781		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #10a - 2046 w. Project (Equal BNSF-UP IPI Share)

IPI L+E	TL L	Dom L+E	Total Lifts	Util. %
6,315,517			6,315,517	
<i>100%</i>				
3,157,758			3,157,758	
3,157,758			3,157,758	
2,194,321	2,054,153	2,909,790	7,158,264	
<i>31%</i>	<i>29%</i>	<i>41%</i>		
1,097,160	1,027,077	1,454,895	3,579,132	
54,858	718,954	1,103,018	1,876,830	62.6%
0	308,123	351,877	660,000	100.0%
1,042,302	0	0	1,042,302	69.5%
0	0	0	0	
1,097,160	1,027,077	1,454,895	3,579,132	
54,858	513,538	681,604	1,250,000	100.0%
1,042,302	0	0	1,042,302	69.5%
0	102,708	284,122	386,830	166.7%
0	410,831	489,169	900,000	100.0%
0	0	0	0	

0	0	0	0
8,509,838	2,054,153	2,909,790	13,473,781
8,509,838	2,054,153	2,909,790	13,473,781

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #10b - 2046 w. Project (BNSF Higher IPI Share)					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
6,315,517			6,315,517		
<i>100%</i>					
3,157,758			3,157,758		
3,157,758			3,157,758		
2,194,321	2,054,153	2,909,790	7,158,264		
<i>31%</i>	<i>29%</i>	<i>41%</i>			
1,578,947	1,027,077	1,454,895	4,060,919		
78,947	718,954	1,103,018	1,900,919	63.4%	
0	308,123	351,877	660,000	100.0%	
1,500,000	0	0	1,500,000	100.0%	
0	0	0	0		
615,374	1,027,077	1,454,895	3,097,345		
30,769	513,538	705,693	1,250,000	100.0%	
584,605	0	0	584,605	39.0%	
0	102,708	260,033	362,740	156.4%	
0	410,831	489,169	900,000	100.0%	
0	0	0	0		
0	0	0	0		
8,509,838	2,054,153	2,909,790	13,473,781		
8,509,838	2,054,153	2,909,790	13,473,781		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed	
Total including Additional Yard Capacity Needed	
Total excluding Additional Yard Capacity Needed	

Scenario #11 - 2020 No Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
3,847,478			3,847,478		
100%					
1,923,739			1,923,739		
1,923,739			1,923,739		
871,874	1,133,300	1,643,482	3,648,656		
24%	31%	45%			
435,937	566,650	821,741	1,824,328		
435,937	396,655	575,219	1,407,811	46.9%	
0	169,995	246,522	416,517	63.1%	
0	0	0	0	N/A	
0	0	0	0		
435,937	566,650	821,741	1,824,328		
21,797	283,325	410,871	715,992	57.3%	
414,140	0	0	414,140	27.6%	
0	56,665	82,174	138,839	59.8%	
0	226,660	328,696	555,356	61.7%	
0	0	0	0		
0	0	0	0		
4,719,351	1,133,300	1,643,482	7,496,133		
4,719,351	1,133,300	1,643,482	7,496,133		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #12 - 2020 w. Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
3,847,478			3,847,478		
<i>100%</i>					
1,923,739			1,923,739		
1,923,739			1,923,739		
871,874	1,133,300	1,643,482	3,648,656		
<i>24%</i>	<i>31%</i>	<i>45%</i>			
435,937	566,650	821,741	1,824,328		
21,797	396,655	575,219	993,671	33.1%	
0	169,995	246,522	416,517	63.1%	
414,140	0	0	414,140	27.6%	
0	0	0	0		
435,937	566,650	821,741	1,824,328		
21,797	283,325	410,871	715,992	57.3%	
414,140	0	0	414,140	27.6%	
0	56,665	82,174	138,839	59.8%	
0	226,660	328,696	555,356	61.7%	
0	0	0	0		
0	0	0	0		
4,719,351	1,133,300	1,643,482	7,496,133		
4,719,351	1,133,300	1,643,482	7,496,133		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #13 - 2030 No Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
5,919,971			5,919,971		
<i>100%</i>					
2,959,985			2,959,985		
2,959,985			2,959,985		
1,553,110	1,803,900	2,431,113	5,788,123		
<i>27%</i>	<i>31%</i>	<i>42%</i>			
776,555	901,950	1,215,557	2,894,062		
776,555	631,365	850,890	2,258,810	75.3%	
0	270,585	364,667	635,252	96.3%	
0	0	0	0	N/A	
0	0	0	0		
776,555	901,950	1,215,557	2,894,062		
38,828	450,975	607,778	1,097,581	87.8%	
737,727	0	0	737,727	49.2%	
0	90,195	121,556	211,751	91.3%	
0	360,780	486,223	847,003	94.1%	
0	0	0	0		
0	0	0	0		
7,473,081	1,803,900	2,431,113	11,708,094		
7,473,081	1,803,900	2,431,113	11,708,094		

DEMAND in Lifts	
On-Dock Yards Total	
	<i>% Market Split</i>
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	<i>% Market Split</i>
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #14 - 2030 w. Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
5,919,971			5,919,971		
<i>100%</i>					
2,959,985			2,959,985		
2,959,985			2,959,985		
1,553,110	1,803,900	2,431,113	5,788,123		
<i>27%</i>	<i>31%</i>	<i>42%</i>			
776,555	901,950	1,215,557	2,894,062		
38,828	631,365	850,890	1,521,082	50.7%	
0	270,585	364,667	635,252	96.3%	
737,727	0	0	737,727	49.2%	
0	0	0	0		
776,555	901,950	1,215,557	2,894,062		
38,828	450,975	607,778	1,097,581	87.8%	
737,727	0	0	737,727	49.2%	
0	90,195	121,556	211,751	91.3%	
0	360,780	486,223	847,003	94.1%	
0	0	0	0		
0	0	0	0		
7,473,081	1,803,900	2,431,113	11,708,094		
7,473,081	1,803,900	2,431,113	11,708,094		

<i>DEMAND in TEUs</i>	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

<i>Scenario #1 - Baseline 2010</i>			
IPI L+E	TL L	Dom L+E	Total TEUs
3,312,578			3,312,578
100%			
1,866,821			1,866,821
1,445,756			1,445,756
1,642,151	1,917,754	3,195,640	6,755,545
24%	28%	47%	
807,466	915,349	1,853,853	3,576,668
807,219	505,585	1,004,236	2,317,040
247	409,764	849,617	1,259,628
0	0	0	0
0	0	0	0
834,685	1,002,405	1,341,787	3,178,877
66,352	440,252	676,923	1,183,527
752,386	7,356	3,900	763,642
185	333,828	359,698	693,711
15,763	220,968	301,267	537,998
0	0	0	0

0	0	0	0
4,954,729	1,917,754	3,195,640	10,068,123
4,954,729	1,917,754	3,195,640	10,068,123

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #2 - Baseline 2010 w. Project				
	IPI	TL L	Dom L+E	Total TEUs
	3,312,578			3,312,578
	100%			
	1,866,821			1,866,821
	1,445,756			1,445,756
	3,755,738	1,917,754	3,195,640	8,869,132
	42%	22%	36%	
	2,921,053	915,349	1,853,853	5,690,255
	146,053	505,585	1,004,236	1,655,874
	0	409,764	849,617	1,259,381
	2,775,000	0	0	2,775,000
	0	0	0	0
	834,685	1,002,405	1,341,787	3,178,877
	66,352	440,252	676,923	1,183,527
	752,386	7,356	3,900	763,642
	185	333,828	359,698	693,711
	15,763	220,968	301,267	537,998
	0	0	0	0
	0	0	0	0
	7,068,316	1,917,754	3,195,640	12,181,710
	7,068,316	1,917,754	3,195,640	12,181,710

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Scenario #3 - 2016 No Project				
	IPI L+E	TL L	Dom L+E	Total TEUs
	5,866,291			5,866,291
	100%			
	2,933,146			2,933,146
	2,933,146			2,933,146
	1,268,463	2,770,349	4,179,682	8,218,494
	15%	34%	51%	
	634,231	1,385,175	2,089,841	4,109,247
	634,231	969,622	1,462,889	3,066,742
	0	415,552	626,952	1,042,505
	0	0	0	0
	0	0	0	0
	634,231	1,385,175	2,089,841	4,109,247
	31,712	692,587	1,044,920	1,769,219
	602,520	0	0	602,520
	0	138,517	208,984	347,502
	0	554,070	835,936	1,390,006
	0	0	0	0
	0	0	0	0
	7,134,754	2,770,349	4,179,682	14,084,785
	7,134,754	2,770,349	4,179,682	14,084,785

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #4 - 2016 w. Project				
	IPI L+E	TL L	Dom L+E	Total TEUs
	5,866,291			5,866,291
	100%			
	2,933,146			2,933,146
	2,933,146			2,933,146
	1,268,463	2,770,349	4,179,682	8,218,494
	15%	34%	51%	
	634,231	1,385,175	2,089,841	4,109,247
	31,712	969,622	1,462,889	2,464,222
	0	415,552	626,952	1,042,505
	602,520	0	0	602,520
	0	0	0	0
	634,231	1,385,175	2,089,841	4,109,247
	31,712	692,587	1,044,920	1,769,219
	602,520	0	0	602,520
	0	138,517	208,984	347,502
	0	554,070	835,936	1,390,006
	0	0	0	0
	0	0	0	0
	7,134,754	2,770,349	4,179,682	14,084,785
	7,134,754	2,770,349	4,179,682	14,084,785

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Scenario #5 - 2023 No Project				
	IPI L+E	TL L	Dom L+E	Total TEUs
	8,276,066			8,276,066
	100%			
	4,138,033			4,138,033
	4,138,033			4,138,033
	1,794,661	3,932,406	5,560,661	11,287,728
	16%	35%	49%	
	897,330	1,966,203	2,780,331	5,643,864
	897,330	1,376,342	1,946,231	4,219,904
	0	589,861	834,099	1,423,960
	0	0	0	0
	0	0	0	0
	897,330	1,966,203	2,780,331	5,643,864
	44,867	983,101	1,390,165	2,418,133
	852,464	0	0	852,464
	0	196,620	278,033	474,653
	0	786,481	1,112,132	1,898,613
	0	0	0	0
	0	0	0	0
	10,070,726	3,932,406	5,560,661	19,563,793
	10,070,726	3,932,406	5,560,661	19,563,793

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #6 - 2023 w. Project				
	IPI L+E	TL L	Dom L+E	Total TEUs
	8,276,066			8,276,066
	100%			
	4,138,033			4,138,033
	4,138,033			4,138,033
	1,794,661	3,932,406	5,560,661	11,287,728
	16%	35%	49%	
	897,330	1,966,203	2,780,331	5,643,864
	44,867	1,376,342	1,946,231	3,367,440
	0	589,861	834,099	1,423,960
	852,464	0	0	852,464
	0	0	0	0
	897,330	1,966,203	2,780,331	5,643,864
	44,867	983,101	1,390,165	2,418,133
	852,464	0	0	852,464
	0	196,620	278,033	474,653
	0	786,481	1,112,132	1,898,613
	0	0	0	0
	0	0	0	0
	10,070,726	3,932,406	5,560,661	19,563,793
	10,070,726	3,932,406	5,560,661	19,563,793

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Scenario #7 - 2035 No Project				
	IPI L+E	TL L	Dom L+E	Total TEUs
	11,683,706			11,683,706
	100%			
	5,841,853			5,841,853
	5,841,853			5,841,853
	4,059,494	6,162,460	8,242,338	18,464,292
	22%	33%	45%	
	2,029,747	3,081,230	4,121,169	9,232,146
	2,029,747	2,156,861	3,065,538	7,252,146
	0	924,369	1,055,631	1,980,000
	0	0	0	0
	0	0	0	0
	2,029,747	3,081,230	4,121,169	9,232,146
	101,487	1,540,615	2,044,811	3,686,913
	1,928,260	0	0	1,928,260
	0	308,123	608,850	916,973
	0	1,232,492	1,467,508	2,700,000
	0	0	0	0

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

0	0	0	0
15,743,200	6,162,460	8,242,338	30,147,998
15,743,200	6,162,460	8,242,338	30,147,998

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #8a - 2035 w. Project (Equal BNSF-UP IPI Share)				
	IPI L+E	TL L	Dom L+E	Total TEUs
	11,683,706			11,683,706
	100%			
	5,841,853			5,841,853
	5,841,853			5,841,853
	4,059,494	6,162,460	8,242,338	18,464,292
	22%	33%	45%	
	2,029,747	3,081,230	4,121,169	9,232,146
	101,487	2,156,861	3,065,538	5,323,886
	0	924,369	1,055,631	1,980,000
	1,928,260	0	0	1,928,260
	0	0	0	0
	2,029,747	3,081,230	4,121,169	9,232,146
	101,487	1,540,615	2,044,811	3,686,913
	1,928,260	0	0	1,928,260
	0	308,123	608,850	916,973
	0	1,232,492	1,467,508	2,700,000
	0	0	0	0
	0	0	0	0
	15,743,200	6,162,460	8,242,338	30,147,998
	15,743,200	6,162,460	8,242,338	30,147,998

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #8b - 2035 w. Project (BNSF Higher IPI Share)

IPI L+E	TL L	Dom L+E	Total TEUs
11,683,706			11,683,706
100%			
5,841,853			5,841,853
5,841,853			5,841,853
4,059,494	6,162,460	8,242,338	18,464,292
22%	33%	45%	
2,921,053	3,081,230	4,121,169	10,123,452
146,053	2,156,861	3,065,538	5,368,452
0	924,369	1,055,631	1,980,000
2,775,000	0	0	2,775,000
0	0	0	0
1,138,441	3,081,230	4,121,169	8,340,840
56,922	1,540,615	2,117,079	3,714,616
1,081,519	0	0	1,081,519
0	308,123	536,582	844,705
0	1,232,492	1,467,508	2,700,000
0	0	0	0

0	0	0	0
15,743,200	6,162,460	8,242,338	30,147,998
15,743,200	6,162,460	8,242,338	30,147,998

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #9 - 2046 No Project				
	IPI L+E	TL L	Dom L+E	Total TEUs
	11,683,706			11,683,706
	100%			
	5,841,853			5,841,853
	5,841,853			5,841,853
	4,059,494	6,162,460	8,729,369	18,951,323
	21%	33%	46%	
	2,029,747	3,081,230	4,364,684	9,475,661
	2,029,747	2,156,861	3,309,053	7,495,661
	0	924,369	1,055,631	1,980,000
	0	0	0	0
	0	0	0	0
	2,029,747	3,081,230	4,364,684	9,475,661
	101,487	1,540,615	2,044,811	3,686,913
	1,928,260	0	0	1,928,260
	0	308,123	852,366	1,160,489
	0	1,232,492	1,467,508	2,700,000
	0	0	0	0
	0	0	0	0
	15,743,200	6,162,460	8,729,369	30,635,029
	15,743,200	6,162,460	8,729,369	30,635,029

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Scenario #10a - 2046 w. Project (Equal BNSF-UP IPI Share)

IPI L+E	TL L	Dom L+E	Total TEUs
11,683,706			11,683,706
100%			
5,841,853			5,841,853
5,841,853			5,841,853
4,059,494	6,162,460	8,729,369	18,951,323
21%	33%	46%	
2,029,747	3,081,230	4,364,684	9,475,661
101,487	2,156,861	3,309,053	5,567,402
0	924,369	1,055,631	1,980,000
1,928,260	0	0	1,928,260
0	0	0	0
2,029,747	3,081,230	4,364,684	9,475,661
101,487	1,540,615	2,044,811	3,686,913
1,928,260	0	0	1,928,260
0	308,123	852,366	1,160,489
0	1,232,492	1,467,508	2,700,000
0	0	0	0

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

0	0	0	0
15,743,200	6,162,460	8,729,369	30,635,029
15,743,200	6,162,460	8,729,369	30,635,029

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #10b - 2046 w. Project (BNSF Higher IPI Share)				
	IPI L+E	TL L	Dom L+E	Total TEUs
	11,683,706			11,683,706
	100%			
	5,841,853			5,841,853
	5,841,853			5,841,853
	4,059,494	6,162,460	8,729,369	18,951,323
	21%	33%	46%	
	2,921,053	3,081,230	4,364,684	10,366,967
	146,053	2,156,861	3,309,053	5,611,967
	0	924,369	1,055,631	1,980,000
	2,775,000	0	0	2,775,000
	0	0	0	0
	1,138,441	3,081,230	4,364,684	8,584,356
	56,922	1,540,615	2,117,079	3,714,616
	1,081,519	0	0	1,081,519
	0	308,123	780,098	1,088,221
	0	1,232,492	1,467,508	2,700,000
	0	0	0	0
	0	0	0	0
	15,743,200	6,162,460	8,729,369	30,635,029
	15,743,200	6,162,460	8,729,369	30,635,029

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #11 - 2020 No Project				
	IPI L+E	TL L	Dom L+E	Total TEUs
	7,117,834			7,117,834
	100%			
	3,558,917			3,558,917
	3,558,917			3,558,917
	1,612,966	3,399,900	4,930,446	9,943,313
	16%	34%	50%	
	806,483	1,699,950	2,465,223	4,971,656
	806,483	1,189,965	1,725,656	3,722,104
	0	509,985	739,567	1,249,552
	0	0	0	0
	0	0	0	0
	806,483	1,699,950	2,465,223	4,971,656
	40,324	849,975	1,232,612	2,122,911
	766,159	0	0	766,159
	0	169,995	246,522	416,517
	0	679,980	986,089	1,666,069
	0	0	0	0

	0	0	0	0
	8,730,800	3,399,900	4,930,446	17,061,146
	8,730,800	3,399,900	4,930,446	17,061,146

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #12 - 2020 w. Project				
	IPI L+E	TL L	Dom L+E	Total TEUs
	7,117,834			7,117,834
	100%			
	3,558,917			3,558,917
	3,558,917			3,558,917
	1,612,966	3,399,900	4,930,446	9,943,313
	16%	34%	50%	
	806,483	1,699,950	2,465,223	4,971,656
	40,324	1,189,965	1,725,656	2,955,945
	0	509,985	739,567	1,249,552
	766,159	0	0	766,159
	0	0	0	0
	806,483	1,699,950	2,465,223	4,971,656
	40,324	849,975	1,232,612	2,122,911
	766,159	0	0	766,159
	0	169,995	246,522	416,517
	0	679,980	986,089	1,666,069
	0	0	0	0
	0	0	0	0
	8,730,800	3,399,900	4,930,446	17,061,146
	8,730,800	3,399,900	4,930,446	17,061,146

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #13 - 2030 No Project				
	IPI L+E	TL L	Dom L+E	Total TEUs
	10,951,946			10,951,946
	100%			
	5,475,973			5,475,973
	5,475,973			5,475,973
	2,873,254	5,411,700	7,293,339	15,578,293
	18%	35%	47%	
	1,436,627	2,705,850	3,646,670	7,789,147
	1,436,627	1,894,095	2,552,669	5,883,391
	0	811,755	1,094,001	1,905,756
	0	0	0	0
	0	0	0	0
	1,436,627	2,705,850	3,646,670	7,789,147
	71,831	1,352,925	1,823,335	3,248,091
	1,364,796	0	0	1,364,796
	0	270,585	364,667	635,252
	0	1,082,340	1,458,668	2,541,008
	0	0	0	0
	0	0	0	0
	13,825,200	5,411,700	7,293,339	26,530,239
	13,825,200	5,411,700	7,293,339	26,530,239

DEMAND in TEUs	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard TEUs to be handled	

Total Additional Yard Capacity Needed
Total including Additional Yard Capacity Needed
Total excluding Additional Yard Capacity Needed

Scenario #14 - 2030 w. Project				
	IPI L+E	TL L	Dom L+E	Total TEUs
	10,951,946			10,951,946
	100%			
	5,475,973			5,475,973
	5,475,973			5,475,973
	2,873,254	5,411,700	7,293,339	15,578,293
	18%	35%	47%	
	1,436,627	2,705,850	3,646,670	7,789,147
	71,831	1,894,095	2,552,669	4,518,595
	0	811,755	1,094,001	1,905,756
	1,364,796	0	0	1,364,796
	0	0	0	0
	1,436,627	2,705,850	3,646,670	7,789,147
	71,831	1,352,925	1,823,335	3,248,091
	1,364,796	0	0	1,364,796
	0	270,585	364,667	635,252
	0	1,082,340	1,458,668	2,541,008
	0	0	0	0
	0	0	0	0
	13,825,200	5,411,700	7,293,339	26,530,239
	13,825,200	5,411,700	7,293,339	26,530,239

CONFIDENTIAL DATA: ATTORNEY CLIENT PRIVILEGE

SCIG Scenarios Trains Data from Train Builder Intermodal Rail Analysis Module embedded in Quick Trip - Train Builder Integrated Model
 Prepared for the Port of Los Angeles by Cambridge Systematics on August 13, 2012

Scenario #1 - Baseline 2010																				
IM Trains	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	6.6	8.8	6.6	22.1											0.0	6.6	8.8	6.6	22.1
On-Dock Yards BNSF Total	0.0	3.7	5.0	3.7	12.5											0.0	3.7	5.0	3.7	12.5
On-Dock Yards UP Total	0.0	2.9	3.9	2.9	9.6											0.0	2.9	3.9	2.9	9.6
Off-Dock Yards Total	0.0	3.3	4.4	3.3	11.0	0.0	3.8	4.7	0.9	9.4	0.0	4.4	12.0	4.3	20.7	0.0	11.4	21.1	8.5	41.1
BNSF Off-Dock Yards Total	0.0	1.6	2.2	1.6	5.4	0.0	1.8	2.3	0.5	4.5	0.0	2.1	8.0	3.2	13.3	0.0	5.5	12.4	5.3	23.2
Hobart & Commerce Yards	0.0	1.6	2.2	1.6	5.4	0.0	1.0	1.2	0.2	2.5	0.0	1.1	4.4	1.8	7.3	0.0	3.7	7.8	3.6	15.2
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	0.2	2.0	0.0	1.0	3.6	1.4	6.0	0.0	1.8	4.6	1.6	8.0
SCIG Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	1.7	2.2	1.7	5.6	0.0	2.0	2.5	0.5	4.9	0.0	2.3	4.0	1.1	7.4	0.0	6.0	8.7	3.3	17.9
East L.A. Yard	0.0	0.1	0.2	0.1	0.4	0.0	0.9	1.1	0.2	2.2	0.0	1.2	2.0	0.5	3.7	0.0	2.2	3.3	0.9	6.3
ICTF Yard	0.0	1.5	2.0	1.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.0	1.5	5.0
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.2	1.6	0.0	0.7	0.9	0.2	1.8	0.0	1.4	1.7	0.4	3.5
LATC Yard	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.5	0.1	1.1	0.0	0.4	1.1	0.4	1.9	0.0	0.9	1.7	0.5	3.1
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	9.9	13.2	9.9	33.1	0.0	3.8	4.7	0.9	9.4	0.0	4.4	12.0	4.3	20.7	0.0	18.1	29.9	15.2	63.2

Scenario #2 - Baseline 2010 w. 2035 BNSF volumes

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
IM Trains																				
On-Dock Yards Total	0.0	6.6	8.8	6.6	22.1											0.0	6.6	8.8	6.6	22.1
On-Dock Yards BNSF Total	0.0	3.7	5.0	3.7	12.5											0.0	3.7	5.0	3.7	12.5
On-Dock Yards UP Total	0.0	2.9	3.9	2.9	9.6											0.0	2.9	3.9	2.9	9.6
Off-Dock Yards Total	0.0	1.9	18.8	1.7	22.4	0.0	3.8	4.7	0.9	9.4	0.0	4.4	12.0	4.3	20.7	0.0	10.1	35.5	6.9	52.5
BNSF Off-Dock Yards Total	0.0	0.3	16.6	0.0	16.8	0.0	1.8	2.3	0.5	4.5	0.0	2.1	8.0	3.2	13.3	0.0	4.1	26.8	3.6	34.6
Hobart & Commerce Yards	0.0	0.3	0.6	0.0	0.8	0.0	1.0	1.2	0.2	2.5	0.0	1.1	4.4	1.8	7.3	0.0	2.4	6.2	2.0	10.6
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	0.2	2.0	0.0	1.0	3.6	1.4	6.0	0.0	1.8	4.6	1.6	8.0
SCIG Yard	0.0	0.0	16.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	16.0
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	1.7	2.2	1.7	5.6	0.0	2.0	2.5	0.5	4.9	0.0	2.3	4.0	1.1	7.4	0.0	6.0	8.7	3.3	17.9
East L.A. Yard	0.0	0.1	0.2	0.1	0.4	0.0	0.9	1.1	0.2	2.2	0.0	1.2	2.0	0.5	3.7	0.0	2.2	3.3	0.9	6.3
ICTF Yard	0.0	1.5	2.0	1.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.0	1.5	5.0
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.2	1.6	0.0	0.7	0.9	0.2	1.8	0.0	1.4	1.7	0.4	3.5
LATC Yard	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.5	0.1	1.1	0.0	0.4	1.1	0.4	1.9	0.0	0.9	1.7	0.5	3.1
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	8.6	27.6	8.3	44.5	0.0	3.8	4.7	0.9	9.4	0.0	4.4	12.0	4.3	20.7	0.0	16.7	44.3	13.5	74.6

Scenario #3 - 2016 No Project

<i>IM Trains</i>	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	11.0	22.3	0.0	33.3										0.0	11.0	22.3	0.0	33.3	
On-Dock Yards BNSF Total	0.0	5.5	11.1	0.0	16.6										0.0	5.5	11.1	0.0	16.6	
On-Dock Yards UP Total	0.0	5.5	11.1	0.0	16.6										0.0	5.5	11.1	0.0	16.6	
Off-Dock Yards Total	0.0	2.4	4.8	0.0	7.2	6.5	3.2	0.0	0.0	9.6	0.0	6.3	12.8	0.0	19.2	6.5	11.9	17.7	0.0	36.0
BNSF Off-Dock Yards Total	0.0	1.2	2.4	0.0	3.6	3.2	1.6	0.0	0.0	4.8	0.0	3.2	6.4	0.0	9.6	3.2	5.9	8.8	0.0	18.0
Hobart & Commerce Yards	0.0	1.2	2.4	0.0	3.6	2.3	1.1	0.0	0.0	3.4	0.0	2.2	4.5	0.0	6.7	2.3	4.5	6.9	0.0	13.7
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.0	1.4	0.0	0.9	1.9	0.0	2.9	1.0	1.4	1.9	0.0	4.3
SCIG Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	1.2	2.4	0.0	3.6	3.2	1.6	0.0	0.0	4.8	0.0	3.2	6.4	0.0	9.6	3.2	5.9	8.8	0.0	18.0
East L.A. Yard	0.0	0.1	0.1	0.0	0.2	1.6	0.8	0.0	0.0	2.4	0.0	1.6	3.2	0.0	4.8	1.6	2.4	3.3	0.0	7.4
ICTF Yard	0.0	1.1	2.3	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	0.0	3.4
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.5	0.0	0.3	0.6	0.0	1.0	0.3	0.5	0.6	0.0	1.4
LATC Yard	0.0	0.0	0.0	0.0	0.0	1.3	0.6	0.0	0.0	1.9	0.0	1.3	2.6	0.0	3.8	1.3	1.9	2.6	0.0	5.8
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	13.4	27.1	0.0	40.5	6.5	3.2	0.0	0.0	9.6	0.0	6.3	12.8	0.0	19.2	6.5	22.9	39.9	0.0	69.3

Scenario #4 - 2016 w. Project

IM Trains	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	11.0	22.3	0.0	33.3											0.0	11.0	22.3	0.0	33.3
On-Dock Yards BNSF Total	0.0	5.5	11.1	0.0	16.6											0.0	5.5	11.1	0.0	16.6
On-Dock Yards UP Total	0.0	5.5	11.1	0.0	16.6											0.0	5.5	11.1	0.0	16.6
Off-Dock Yards Total	0.0	1.2	6.2	0.0	7.5	6.5	3.2	0.0	0.0	9.6	0.0	6.3	12.8	0.0	19.2	6.5	10.8	19.1	0.0	36.3
BNSF Off-Dock Yards Total	0.0	0.1	3.8	0.0	3.9	3.2	1.6	0.0	0.0	4.8	0.0	3.2	6.4	0.0	9.6	3.2	4.8	10.2	0.0	18.3
Hobart & Commerce Yards	0.0	0.1	0.1	0.0	0.2	2.3	1.1	0.0	0.0	3.4	0.0	2.2	4.5	0.0	6.7	2.3	3.4	4.6	0.0	10.3
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.0	0.0	1.4	0.0	0.9	1.9	0.0	2.9	1.0	1.4	1.9	0.0	4.3
SCIG Yard	0.0	0.0	3.7	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	3.7
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	1.2	2.4	0.0	3.6	3.2	1.6	0.0	0.0	4.8	0.0	3.2	6.4	0.0	9.6	3.2	5.9	8.8	0.0	18.0
East L.A. Yard	0.0	0.1	0.1	0.0	0.2	1.6	0.8	0.0	0.0	2.4	0.0	1.6	3.2	0.0	4.8	1.6	2.4	3.3	0.0	7.4
ICTF Yard	0.0	1.1	2.3	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	0.0	3.4
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.5	0.0	0.3	0.6	0.0	1.0	0.3	0.5	0.6	0.0	1.4
LATC Yard	0.0	0.0	0.0	0.0	0.0	1.3	0.6	0.0	0.0	1.9	0.0	1.3	2.6	0.0	3.8	1.3	1.9	2.6	0.0	5.8
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	12.2	28.5	0.0	40.8	6.5	3.2	0.0	0.0	9.6	0.0	6.3	12.8	0.0	19.2	6.5	21.7	41.4	0.0	69.6

Scenario #5 - 2023 No Project

IM Trains
On-Dock Yards Total
On-Dock Yards BNSF Total
On-Dock Yards UP Total
Off-Dock Yards Total
BNSF Off-Dock Yards Total
Hobart & Commerce Yards
San Bernardino Yard
SCIG Yard
Additional BNSF Yard Capacity Needed
UP Off-Dock Yards Total
East L.A. Yard
ICTF Yard
City of Industry Yard
LATC Yard
Additional UP Yard Capacity Needed
All Rail Yards Total

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	15.5	31.4	0.0	46.9											0.0	15.5	31.4	0.0	46.9
On-Dock Yards BNSF Total	0.0	7.7	15.7	0.0	23.5											0.0	7.7	15.7	0.0	23.5
On-Dock Yards UP Total	0.0	7.7	15.7	0.0	23.5											0.0	7.7	15.7	0.0	23.5
Off-Dock Yards Total	0.0	3.4	6.8	0.0	10.2	9.2	4.5	0.0	0.0	13.7	0.0	8.4	17.1	0.0	25.5	9.2	16.3	23.9	0.0	49.4
BNSF Off-Dock Yards Total	0.0	1.7	3.4	0.0	5.1	4.6	2.3	0.0	0.0	6.8	0.0	4.2	8.5	0.0	12.7	4.6	8.1	11.9	0.0	24.7
Hobart & Commerce Yards	0.0	1.7	3.4	0.0	5.1	3.2	1.6	0.0	0.0	4.8	0.0	2.9	6.0	0.0	8.9	3.2	6.2	9.4	0.0	18.8
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	1.4	0.7	0.0	0.0	2.1	0.0	1.3	2.6	0.0	3.8	1.4	1.9	2.6	0.0	5.9
SCIG Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	1.7	3.4	0.0	5.1	4.6	2.3	0.0	0.0	6.8	0.0	4.2	8.5	0.0	12.7	4.6	8.1	11.9	0.0	24.7
East L.A. Yard	0.0	0.1	0.2	0.0	0.3	2.3	1.1	0.0	0.0	3.4	0.0	2.1	4.3	0.0	6.4	2.3	3.3	4.4	0.0	10.0
ICTF Yard	0.0	1.6	3.2	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	0.0	4.8
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.7	0.0	0.4	0.9	0.0	1.3	0.5	0.6	0.9	0.0	2.0
LATC Yard	0.0	0.0	0.0	0.0	0.0	1.8	0.9	0.0	0.0	2.7	0.0	1.7	3.4	0.0	5.1	1.8	2.6	3.4	0.0	7.8
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	18.8	38.3	0.0	57.1	9.2	4.5	0.0	0.0	13.7	0.0	8.4	17.1	0.0	25.5	9.2	31.8	55.3	0.0	96.3

Scenario #6 - 2023 w. Project

IM Trains
On-Dock Yards Total
On-Dock Yards BNSF Total
On-Dock Yards UP Total
Off-Dock Yards Total
BNSF Off-Dock Yards Total
Hobart & Commerce Yards
San Bernardino Yard
SCIG Yard
Additional BNSF Yard Capacity Needed
UP Off-Dock Yards Total
East L.A. Yard
ICTF Yard
City of Industry Yard
LATC Yard
Additional UP Yard Capacity Needed
All Rail Yards Total

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	15.5	31.4	0.0	46.9											0.0	15.5	31.4	0.0	46.9
On-Dock Yards BNSF Total	0.0	7.7	15.7	0.0	23.5											0.0	7.7	15.7	0.0	23.5
On-Dock Yards UP Total	0.0	7.7	15.7	0.0	23.5											0.0	7.7	15.7	0.0	23.5
Off-Dock Yards Total	0.0	1.8	8.8	0.0	10.6	9.2	4.5	0.0	0.0	13.7	0.0	8.4	17.1	0.0	25.5	9.2	14.7	25.9	0.0	49.8
BNSF Off-Dock Yards Total	0.0	0.1	5.4	0.0	5.5	4.6	2.3	0.0	0.0	6.8	0.0	4.2	8.5	0.0	12.7	4.6	6.5	14.0	0.0	25.1
Hobart & Commerce Yards	0.0	0.1	0.2	0.0	0.3	3.2	1.6	0.0	0.0	4.8	0.0	2.9	6.0	0.0	8.9	3.2	4.6	6.1	0.0	14.0
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	1.4	0.7	0.0	0.0	2.1	0.0	1.3	2.6	0.0	3.8	1.4	1.9	2.6	0.0	5.9
SCIG Yard	0.0	0.0	5.2	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	5.2
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	1.7	3.4	0.0	5.1	4.6	2.3	0.0	0.0	6.8	0.0	4.2	8.5	0.0	12.7	4.6	8.1	11.9	0.0	24.7
East L.A. Yard	0.0	0.1	0.2	0.0	0.3	2.3	1.1	0.0	0.0	3.4	0.0	2.1	4.3	0.0	6.4	2.3	3.3	4.4	0.0	10.0
ICTF Yard	0.0	1.6	3.2	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	0.0	4.8
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.7	0.0	0.4	0.9	0.0	1.3	0.5	0.6	0.9	0.0	2.0
LATC Yard	0.0	0.0	0.0	0.0	0.0	1.8	0.9	0.0	0.0	2.7	0.0	1.7	3.4	0.0	5.1	1.8	2.6	3.4	0.0	7.8
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	17.3	40.3	0.0	57.5	9.2	4.5	0.0	0.0	13.7	0.0	8.4	17.1	0.0	25.5	9.2	30.2	57.3	0.0	96.7

Scenario #7 - 2035 No Project

IM Trains
On-Dock Yards Total
On-Dock Yards BNSF Total
On-Dock Yards UP Total
Off-Dock Yards Total
BNSF Off-Dock Yards Total
Hobart & Commerce Yards
San Bernardino Yard
SCIG Yard
Additional BNSF Yard Capacity Needed
UP Off-Dock Yards Total
East L.A. Yard
ICTF Yard
City of Industry Yard
LATC Yard
Additional UP Yard Capacity Needed
All Rail Yards Total

Scenario #7 - 2035 No Project																			
IPI L+E					TL L					Dom L+E					Total				
12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
0.0	21.9	44.4	0.0	66.3											0.0	21.9	44.4	0.0	66.3
0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
0.0	7.6	15.4	0.0	23.0	14.4	7.1	0.0	0.0	21.5	0.0	12.5	25.3	0.0	37.8	14.4	27.1	40.7	0.0	82.3
0.0	3.8	7.7	0.0	11.5	7.2	3.5	0.0	0.0	10.7	0.0	6.2	12.7	0.0	18.9	7.2	13.6	20.4	0.0	41.1
0.0	3.8	7.7	0.0	11.5	5.0	2.5	0.0	0.0	7.5	0.0	4.6	9.4	0.0	14.0	5.0	10.9	17.1	0.0	33.1
0.0	0.0	0.0	0.0	0.0	2.2	1.1	0.0	0.0	3.2	0.0	1.6	3.2	0.0	4.8	2.2	2.7	3.2	0.0	8.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	3.8	7.7	0.0	11.5	7.2	3.5	0.0	0.0	10.7	0.0	6.2	12.7	0.0	18.9	7.2	13.6	20.4	0.0	41.1
0.0	0.2	0.4	0.0	0.6	3.6	1.8	0.0	0.0	5.4	0.0	3.1	6.3	0.0	9.4	3.6	5.1	6.7	0.0	15.3
0.0	3.6	7.3	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	7.3	0.0	10.9
0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	1.1	0.0	0.9	1.9	0.0	2.8	0.7	1.3	1.9	0.0	3.9
0.0	0.0	0.0	0.0	0.0	2.9	1.4	0.0	0.0	4.3	0.0	2.2	4.5	0.0	6.7	2.9	3.6	4.5	0.0	11.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	29.5	59.8	0.0	89.3	14.4	7.1	0.0	0.0	21.5	0.0	12.5	25.3	0.0	37.8	14.4	49.0	85.1	0.0	148.5

Scenario #8a - 2035 w. Project (Equal BNSF-UP IPI Share)

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
IM Trains																				
On-Dock Yards Total	0.0	21.9	44.4	0.0	66.3											0.0	21.9	44.4	0.0	66.3
On-Dock Yards BNSF Total	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
On-Dock Yards UP Total	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
Off-Dock Yards Total	0.0	4.0	20.0	0.0	24.0	14.4	7.1	0.0	0.0	21.5	0.0	12.5	25.3	0.0	37.8	14.4	23.5	45.3	0.0	83.2
BNSF Off-Dock Yards Total	0.0	0.2	12.3	0.0	12.4	7.2	3.5	0.0	0.0	10.7	0.0	6.2	12.7	0.0	18.9	7.2	10.0	24.9	0.0	42.1
Hobart & Commerce Yards	0.0	0.2	0.4	0.0	0.6	5.0	2.5	0.0	0.0	7.5	0.0	4.6	9.4	0.0	14.0	5.0	7.3	9.8	0.0	22.1
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	2.2	1.1	0.0	0.0	3.2	0.0	1.6	3.2	0.0	4.8	2.2	2.7	3.2	0.0	8.1
SCIG Yard	0.0	0.0	11.9	0.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0	11.9
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	3.8	7.7	0.0	11.5	7.2	3.5	0.0	0.0	10.7	0.0	6.2	12.7	0.0	18.9	7.2	13.6	20.4	0.0	41.1
East L.A. Yard	0.0	0.2	0.4	0.0	0.6	3.6	1.8	0.0	0.0	5.4	0.0	3.1	6.3	0.0	9.4	3.6	5.1	6.7	0.0	15.3
ICTF Yard	0.0	3.6	7.3	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	7.3	0.0	10.9
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	1.1	0.0	0.9	1.9	0.0	2.8	0.7	1.3	1.9	0.0	3.9
LATC Yard	0.0	0.0	0.0	0.0	0.0	2.9	1.4	0.0	0.0	4.3	0.0	2.2	4.5	0.0	6.7	2.9	3.6	4.5	0.0	11.0
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	25.9	64.4	0.0	90.2	14.4	7.1	0.0	0.0	21.5	0.0	12.5	25.3	0.0	37.8	14.4	45.4	89.7	0.0	149.4

Scenario #8b - 2035 w. Project (BNSF Higher IPI Share)

IM Trains
On-Dock Yards Total
On-Dock Yards BNSF Total
On-Dock Yards UP Total
Off-Dock Yards Total
BNSF Off-Dock Yards Total
Hobart & Commerce Yards
San Bernardino Yard
SCIG Yard
Additional BNSF Yard Capacity Needed
UP Off-Dock Yards Total
East L.A. Yard
ICTF Yard
City of Industry Yard
LATC Yard
Additional UP Yard Capacity Needed
All Rail Yards Total

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	21.9	44.4	0.0	66.3											0.0	21.9	44.4	0.0	66.3
On-Dock Yards BNSF Total	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
On-Dock Yards UP Total	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
Off-Dock Yards Total	0.0	2.4	20.9	0.0	23.3	14.4	7.1	0.0	0.0	21.5	0.0	12.5	25.3	0.0	37.8	14.4	22.0	46.2	0.0	82.5
BNSF Off-Dock Yards Total	0.0	0.3	16.6	0.0	16.8	7.2	3.5	0.0	0.0	10.7	0.0	6.2	12.7	0.0	18.9	7.2	10.0	29.2	0.0	46.4
Hobart & Commerce Yards	0.0	0.3	0.6	0.0	0.8	5.0	2.5	0.0	0.0	7.5	0.0	4.6	9.4	0.0	14.0	5.0	7.4	10.0	0.0	22.4
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	2.2	1.1	0.0	0.0	3.2	0.0	1.6	3.2	0.0	4.8	2.2	2.7	3.2	0.0	8.1
SCIG Yard	0.0	0.0	16.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	16.0
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	2.1	4.3	0.0	6.5	7.2	3.5	0.0	0.0	10.7	0.0	6.2	12.7	0.0	18.9	7.2	11.9	17.0	0.0	36.1
East L.A. Yard	0.0	0.1	0.2	0.0	0.3	3.6	1.8	0.0	0.0	5.4	0.0	3.2	6.5	0.0	9.7	3.6	5.1	6.7	0.0	15.4
ICTF Yard	0.0	2.0	4.1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	0.0	6.1
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	1.1	0.0	0.8	1.6	0.0	2.5	0.7	1.2	1.6	0.0	3.5
LATC Yard	0.0	0.0	0.0	0.0	0.0	2.9	1.4	0.0	0.0	4.3	0.0	2.2	4.5	0.0	6.7	2.9	3.6	4.5	0.0	11.0
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	24.3	65.3	0.0	89.5	14.4	7.1	0.0	0.0	21.5	0.0	12.5	25.3	0.0	37.8	14.4	43.8	90.6	0.0	148.8

Scenario #9 - 2046 No Project

IM Trains
On-Dock Yards Total
On-Dock Yards BNSF Total
On-Dock Yards UP Total
Off-Dock Yards Total
BNSF Off-Dock Yards Total
Hobart & Commerce Yards
San Bernardino Yard
SCIG Yard
Additional BNSF Yard Capacity Needed
UP Off-Dock Yards Total
East L.A. Yard
ICTF Yard
City of Industry Yard
LATC Yard
Additional UP Yard Capacity Needed
All Rail Yards Total

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	21.9	44.4	0.0	66.3											0.0	21.9	44.4	0.0	66.3
On-Dock Yards BNSF Total	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
On-Dock Yards UP Total	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
Off-Dock Yards Total	0.0	7.6	15.4	0.0	23.0	14.4	7.1	0.0	0.0	21.5	0.0	13.2	26.8	0.0	40.0	14.4	27.9	42.2	0.0	84.5
BNSF Off-Dock Yards Total	0.0	3.8	7.7	0.0	11.5	7.2	3.5	0.0	0.0	10.7	0.0	6.6	13.4	0.0	20.0	7.2	13.9	21.1	0.0	42.2
Hobart & Commerce Yards	0.0	3.8	7.7	0.0	11.5	5.0	2.5	0.0	0.0	7.5	0.0	5.0	10.2	0.0	15.2	5.0	11.3	17.9	0.0	34.2
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	2.2	1.1	0.0	0.0	3.2	0.0	1.6	3.2	0.0	4.8	2.2	2.7	3.2	0.0	8.1
SCIG Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	3.8	7.7	0.0	11.5	7.2	3.5	0.0	0.0	10.7	0.0	6.6	13.4	0.0	20.0	7.2	13.9	21.1	0.0	42.2
East L.A. Yard	0.0	0.2	0.4	0.0	0.6	3.6	1.8	0.0	0.0	5.4	0.0	3.1	6.3	0.0	9.4	3.6	5.1	6.7	0.0	15.3
ICTF Yard	0.0	3.6	7.3	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	7.3	0.0	10.9
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	1.1	0.0	1.3	2.6	0.0	3.9	0.7	1.6	2.6	0.0	5.0
LATC Yard	0.0	0.0	0.0	0.0	0.0	2.9	1.4	0.0	0.0	4.3	0.0	2.2	4.5	0.0	6.7	2.9	3.6	4.5	0.0	11.0
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	29.5	59.8	0.0	89.3	14.4	7.1	0.0	0.0	21.5	0.0	13.2	26.8	0.0	40.0	14.4	49.7	86.6	0.0	150.7

Scenario #10a - 2046 w. Project (Equal BNSF-UP IPI Share)																				
IM Trains	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	21.9	44.4	0.0	66.3											0.0	21.9	44.4	0.0	66.3
On-Dock Yards BNSF Total	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
On-Dock Yards UP Total	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
Off-Dock Yards Total	0.0	4.0	20.0	0.0	24.0	14.4	7.1	0.0	0.0	21.5	0.0	13.2	26.8	0.0	40.0	14.4	24.3	46.8	0.0	85.4
BNSF Off-Dock Yards Total	0.0	0.2	12.3	0.0	12.4	7.2	3.5	0.0	0.0	10.7	0.0	6.6	13.4	0.0	20.0	7.2	10.3	25.7	0.0	43.2
Hobart & Commerce Yards	0.0	0.2	0.4	0.0	0.6	5.0	2.5	0.0	0.0	7.5	0.0	5.0	10.2	0.0	15.2	5.0	7.7	10.5	0.0	23.3
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	2.2	1.1	0.0	0.0	3.2	0.0	1.6	3.2	0.0	4.8	2.2	2.7	3.2	0.0	8.1
SCIG Yard	0.0	0.0	11.9	0.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0	11.9
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	3.8	7.7	0.0	11.5	7.2	3.5	0.0	0.0	10.7	0.0	6.6	13.4	0.0	20.0	7.2	13.9	21.1	0.0	42.2
East L.A. Yard	0.0	0.2	0.4	0.0	0.6	3.6	1.8	0.0	0.0	5.4	0.0	3.1	6.3	0.0	9.4	3.6	5.1	6.7	0.0	15.3
ICTF Yard	0.0	3.6	7.3	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	7.3	0.0	10.9
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	1.1	0.0	1.3	2.6	0.0	3.9	0.7	1.6	2.6	0.0	5.0
LATC Yard	0.0	0.0	0.0	0.0	0.0	2.9	1.4	0.0	0.0	4.3	0.0	2.2	4.5	0.0	6.7	2.9	3.6	4.5	0.0	11.0
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	25.9	64.4	0.0	90.2	14.4	7.1	0.0	0.0	21.5	0.0	13.2	26.8	0.0	40.0	14.4	46.1	91.2	0.0	151.7

Scenario #10b - 2046 w. Project (BNSF Higher IPI Share)

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
IM Trains																				
On-Dock Yards Total	0.0	21.9	44.4	0.0	66.3											0.0	21.9	44.4	0.0	66.3
On-Dock Yards BNSF Total	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
On-Dock Yards UP Total	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1
Off-Dock Yards Total	0.0	2.4	20.9	0.0	23.3	14.4	7.1	0.0	0.0	21.5	0.0	13.2	26.8	0.0	40.0	14.4	22.7	47.7	0.0	84.7
BNSF Off-Dock Yards Total	0.0	0.3	16.6	0.0	16.8	7.2	3.5	0.0	0.0	10.7	0.0	6.6	13.4	0.0	20.0	7.2	10.4	30.0	0.0	47.6
Hobart & Commerce Yards	0.0	0.3	0.6	0.0	0.8	5.0	2.5	0.0	0.0	7.5	0.0	5.0	10.2	0.0	15.2	5.0	7.8	10.7	0.0	23.5
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	2.2	1.1	0.0	0.0	3.2	0.0	1.6	3.2	0.0	4.8	2.2	2.7	3.2	0.0	8.1
SCIG Yard	0.0	0.0	16.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	16.0
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	2.1	4.3	0.0	6.5	7.2	3.5	0.0	0.0	10.7	0.0	6.6	13.4	0.0	20.0	7.2	12.3	17.7	0.0	37.2
East L.A. Yard	0.0	0.1	0.2	0.0	0.3	3.6	1.8	0.0	0.0	5.4	0.0	3.2	6.5	0.0	9.7	3.6	5.1	6.7	0.0	15.4
ICTF Yard	0.0	2.0	4.1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.1	0.0	6.1
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	1.1	0.0	1.2	2.4	0.0	3.6	0.7	1.5	2.4	0.0	4.6
LATC Yard	0.0	0.0	0.0	0.0	0.0	2.9	1.4	0.0	0.0	4.3	0.0	2.2	4.5	0.0	6.7	2.9	3.6	4.5	0.0	11.0
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	24.3	65.3	0.0	89.5	14.4	7.1	0.0	0.0	21.5	0.0	13.2	26.8	0.0	40.0	14.4	44.6	92.1	0.0	151.0

Scenario #11 - 2020 No Project

IM Trains
On-Dock Yards Total
On-Dock Yards BNSF Total
On-Dock Yards UP Total
Off-Dock Yards Total
BNSF Off-Dock Yards Total
Hobart & Commerce Yards
San Bernardino Yard
SCIG Yard
Additional BNSF Yard Capacity Needed
UP Off-Dock Yards Total
East L.A. Yard
ICTF Yard
City of Industry Yard
LATC Yard
Additional UP Yard Capacity Needed
All Rail Yards Total

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	13.3	27.0	0.0	40.4											0.0	13.3	27.0	0.0	40.4
On-Dock Yards BNSF Total	0.0	6.7	13.5	0.0	20.2											0.0	6.7	13.5	0.0	20.2
On-Dock Yards UP Total	0.0	6.7	13.5	0.0	20.2											0.0	6.7	13.5	0.0	20.2
Off-Dock Yards Total	0.0	3.0	6.1	0.0	9.1	7.9	3.9	0.0	0.0	11.8	0.0	7.5	15.1	0.0	22.6	7.9	14.4	21.3	0.0	43.6
BNSF Off-Dock Yards Total	0.0	1.5	3.1	0.0	4.6	4.0	2.0	0.0	0.0	5.9	0.0	3.7	7.6	0.0	11.3	4.0	7.2	10.6	0.0	21.8
Hobart & Commerce Yards	0.0	1.5	3.1	0.0	4.6	2.8	1.4	0.0	0.0	4.1	0.0	2.6	5.3	0.0	7.9	2.8	5.5	8.4	0.0	16.6
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	1.2	0.6	0.0	0.0	1.8	0.0	1.1	2.3	0.0	3.4	1.2	1.7	2.3	0.0	5.2
SCIG Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	1.5	3.1	0.0	4.6	4.0	2.0	0.0	0.0	5.9	0.0	3.7	7.6	0.0	11.3	4.0	7.2	10.6	0.0	21.8
East L.A. Yard	0.0	0.1	0.2	0.0	0.2	2.0	1.0	0.0	0.0	3.0	0.0	1.9	3.8	0.0	5.6	2.0	2.9	3.9	0.0	8.8
ICTF Yard	0.0	1.4	2.9	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	0.0	4.3
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.6	0.0	0.4	0.8	0.0	1.1	0.4	0.6	0.8	0.0	1.7
LATC Yard	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.0	0.0	2.4	0.0	1.5	3.0	0.0	4.5	1.6	2.3	3.0	0.0	6.9
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	16.3	33.2	0.0	49.5	7.9	3.9	0.0	0.0	11.8	0.0	7.5	15.1	0.0	22.6	7.9	27.7	48.3	0.0	83.9

Scenario #12 - 2020 w. Project

IM Trains
On-Dock Yards Total
On-Dock Yards BNSF Total
On-Dock Yards UP Total
Off-Dock Yards Total
BNSF Off-Dock Yards Total
Hobart & Commerce Yards
San Bernardino Yard
SCIG Yard
Additional BNSF Yard Capacity Needed
UP Off-Dock Yards Total
East L.A. Yard
ICTF Yard
City of Industry Yard
LATC Yard
Additional UP Yard Capacity Needed
All Rail Yards Total

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	13.3	27.0	0.0	40.4											0.0	13.3	27.0	0.0	40.4
On-Dock Yards BNSF Total	0.0	6.7	13.5	0.0	20.2											0.0	6.7	13.5	0.0	20.2
On-Dock Yards UP Total	0.0	6.7	13.5	0.0	20.2											0.0	6.7	13.5	0.0	20.2
Off-Dock Yards Total	0.0	1.6	7.9	0.0	9.5	7.9	3.9	0.0	0.0	11.8	0.0	7.5	15.1	0.0	22.6	7.9	12.9	23.1	0.0	44.0
BNSF Off-Dock Yards Total	0.0	0.1	4.9	0.0	4.9	4.0	2.0	0.0	0.0	5.9	0.0	3.7	7.6	0.0	11.3	4.0	5.8	12.4	0.0	22.2
Hobart & Commerce Yards	0.0	0.1	0.2	0.0	0.2	2.8	1.4	0.0	0.0	4.1	0.0	2.6	5.3	0.0	7.9	2.8	4.1	5.5	0.0	12.3
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	1.2	0.6	0.0	0.0	1.8	0.0	1.1	2.3	0.0	3.4	1.2	1.7	2.3	0.0	5.2
SCIG Yard	0.0	0.0	4.7	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	4.7
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	1.5	3.1	0.0	4.6	4.0	2.0	0.0	0.0	5.9	0.0	3.7	7.6	0.0	11.3	4.0	7.2	10.6	0.0	21.8
East L.A. Yard	0.0	0.1	0.2	0.0	0.2	2.0	1.0	0.0	0.0	3.0	0.0	1.9	3.8	0.0	5.6	2.0	2.9	3.9	0.0	8.8
ICTF Yard	0.0	1.4	2.9	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.9	0.0	4.3
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.6	0.0	0.4	0.8	0.0	1.1	0.4	0.6	0.8	0.0	1.7
LATC Yard	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.0	0.0	2.4	0.0	1.5	3.0	0.0	4.5	1.6	2.3	3.0	0.0	6.9
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	14.9	35.0	0.0	49.9	7.9	3.9	0.0	0.0	11.8	0.0	7.5	15.1	0.0	22.6	7.9	26.3	50.1	0.0	84.3

Scenario #13 - 2030 No Project

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
IM Trains																				
On-Dock Yards Total	0.0	20.5	41.6	0.0	62.1											0.0	20.5	41.6	0.0	62.1
On-Dock Yards BNSF Total	0.0	10.2	20.8	0.0	31.1											0.0	10.2	20.8	0.0	31.1
On-Dock Yards UP Total	0.0	10.2	20.8	0.0	31.1											0.0	10.2	20.8	0.0	31.1
Off-Dock Yards Total	0.0	5.4	10.9	0.0	16.3	12.6	6.2	0.0	0.0	18.8	0.0	11.0	22.4	0.0	33.4	12.6	22.6	33.3	0.0	68.6
BNSF Off-Dock Yards Total	0.0	2.7	5.5	0.0	8.1	6.3	3.1	0.0	0.0	9.4	0.0	5.5	11.2	0.0	16.7	6.3	11.3	16.7	0.0	34.3
Hobart & Commerce Yards	0.0	2.7	5.5	0.0	8.1	4.4	2.2	0.0	0.0	6.6	0.0	3.9	7.8	0.0	11.7	4.4	8.7	13.3	0.0	26.4
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	1.9	0.9	0.0	0.0	2.8	0.0	1.7	3.4	0.0	5.0	1.9	2.6	3.4	0.0	7.8
SCIG Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	2.7	5.5	0.0	8.1	6.3	3.1	0.0	0.0	9.4	0.0	5.5	11.2	0.0	16.7	6.3	11.3	16.7	0.0	34.3
East L.A. Yard	0.0	0.1	0.3	0.0	0.4	3.2	1.6	0.0	0.0	4.7	0.0	2.8	5.6	0.0	8.4	3.2	4.4	5.9	0.0	13.5
ICTF Yard	0.0	2.6	5.2	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.2	0.0	7.7
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.9	0.0	0.6	1.1	0.0	1.7	0.6	0.9	1.1	0.0	2.6
LATC Yard	0.0	0.0	0.0	0.0	0.0	2.5	1.2	0.0	0.0	3.8	0.0	2.2	4.5	0.0	6.7	2.5	3.4	4.5	0.0	10.5
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	25.9	52.5	0.0	78.4	12.6	6.2	0.0	0.0	18.8	0.0	11.0	22.4	0.0	33.4	12.6	43.1	74.9	0.0	130.7

Scenario #14 - 2030 w. Project

IM Trains
On-Dock Yards Total
On-Dock Yards BNSF Total
On-Dock Yards UP Total
Off-Dock Yards Total
BNSF Off-Dock Yards Total
Hobart & Commerce Yards
San Bernardino Yard
SCIG Yard
Additional BNSF Yard Capacity Needed
UP Off-Dock Yards Total
East L.A. Yard
ICTF Yard
City of Industry Yard
LATC Yard
Additional UP Yard Capacity Needed
All Rail Yards Total

	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	20.5	41.6	0.0	62.1											0.0	20.5	41.6	0.0	62.1
On-Dock Yards BNSF Total	0.0	10.2	20.8	0.0	31.1											0.0	10.2	20.8	0.0	31.1
On-Dock Yards UP Total	0.0	10.2	20.8	0.0	31.1											0.0	10.2	20.8	0.0	31.1
Off-Dock Yards Total	0.0	2.8	14.1	0.0	17.0	12.6	6.2	0.0	0.0	18.8	0.0	11.0	22.4	0.0	33.4	12.6	20.1	36.5	0.0	69.2
BNSF Off-Dock Yards Total	0.0	0.1	8.7	0.0	8.8	6.3	3.1	0.0	0.0	9.4	0.0	5.5	11.2	0.0	16.7	6.3	8.8	19.9	0.0	34.9
Hobart & Commerce Yards	0.0	0.1	0.3	0.0	0.4	4.4	2.2	0.0	0.0	6.6	0.0	3.9	7.8	0.0	11.7	4.4	6.2	8.1	0.0	18.7
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	1.9	0.9	0.0	0.0	2.8	0.0	1.7	3.4	0.0	5.0	1.9	2.6	3.4	0.0	7.8
SCIG Yard	0.0	0.0	8.4	0.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	8.4
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	2.7	5.5	0.0	8.1	6.3	3.1	0.0	0.0	9.4	0.0	5.5	11.2	0.0	16.7	6.3	11.3	16.7	0.0	34.3
East L.A. Yard	0.0	0.1	0.3	0.0	0.4	3.2	1.6	0.0	0.0	4.7	0.0	2.8	5.6	0.0	8.4	3.2	4.4	5.9	0.0	13.5
ICTF Yard	0.0	2.6	5.2	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.2	0.0	7.7
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.9	0.0	0.6	1.1	0.0	1.7	0.6	0.9	1.1	0.0	2.6
LATC Yard	0.0	0.0	0.0	0.0	0.0	2.5	1.2	0.0	0.0	3.8	0.0	2.2	4.5	0.0	6.7	2.5	3.4	4.5	0.0	10.5
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	23.3	55.7	0.0	79.1	12.6	6.2	0.0	0.0	18.8	0.0	11.0	22.4	0.0	33.4	12.6	40.6	78.1	0.0	131.3