Appendix G4: Intermodal Rail Analysis

lo.	Title	Description	n SC	ric .	ICTF	Other rail	Off-dock rail	Transload	Yard	% Lifts	IPI L+E	TL L TEUs	Dom L.E	Total TEUs	121/	10K	+E IM T		Total	12K	TL 10K	L IM Tra 8K		Total	121		L+E IM 7		Total	12K	Tota 10K	I IM Tra	ins 6K
	me	Description		uded		projects (e.g., APL, Pier B, Pier S) included?		permitted at	raiu	Capacity Utilization	TEUs	TE E TEOS	TEUs	Total TEUS	IZK	TOR	- GR	UK.	Total	IZK	TOR	OK .	UK	Total	IZK	IUK	- GR	OK .	Total	IZK	TOR	OK .	OK.
	Baseline 2010	2010 condition	ons No	No No	No	No	2010 conditions	Small actual volume at ICTF in	On-Dock Yards Total On-Dock Yards BNSF Total		3,312,578 1,866,821			3,312,578 1,866,821	0.0	6.6 3.7	8.8 5.0	6.6 3.7	22.1 12.5											0.0 0.0	6.6 3.7	8.8 5.0	6.6 3.7
								2010: 3,752 lifts 48+ foot containers	On-Dock Yards UP Total Off-Dock Yards Total		1,445,756 1,642,151		3,195,640	1,445,756 6,755,545		2.9 3.3	3.9 4.4	2.9 3.3	9.6 11.0	0.0	3.8	4.7	0.9	9.4	0.0	4.4	12.0	4.3	20.7	0.0	2.9	3.9 21.1	2.9
									BNSF Off-Dock Yards Total		807,466	915,349	1,853,853	3,576,668	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
									Hobart & Commerce Yards San Bernardino Yard	56.9% 64.8%	807,219 247		1,004,236 849,617		0.0	1.6 0.0	0.0	1.6 0.0	5.4	0.0	1.0 0.8	1.2 1.0	0.2	2.5 2.0	0.0	1.1	4.4 3.6	1.8	7.3 6.0	0.0	3.7	7.8	3.6
									SCIG Yard	N/A	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 UP Off-Dock Yards Total		834,685	1,002,405	0 1,341,787	3.178.877	0.0	0.0	0.0 2.2	0.0	0.0 5.6	0.0	0.0 2.0	0.0 2.5	0.0 0.5	0.0 4.9	0.0	0.0 2.3	0.0	0.0	0.0 7.4	0.0	0.0	0.0	0.0
									East L.A. Yard	63.3%	66,352	440,252	676,923	1,183,527	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
									ICTF Yard City of Industry Yard	51.3% 99.7%	752,386 185	7,356 333,828	3,900 359,698		0.0	1.5 0.0	2.0	1.5 0.0	5.0	0.0	0.0	0.0	0.0	0.0 1.6	0.0	0.0	0.0	0.0	0.0 1.8	0.0	1.5	2.0	1.5
									LATC Yard	54.1%	15,763		301,267	,		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
									Additional UP Yard Capacity Needed Total Additional 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	0.0
									Total including Additional Yard Capacity Needed	j	4,954,729	1,917,754	3,195,640	10,068,123	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
	Baseline 2010	2010 condition	ons Ve	es	No	No	2010 conditions	Small actual	Total excluding Additional Yard Capacity Neede On-Dock Yards Total	d	4,954,729 3,312,578		3,195,640	10,068,123 3,312,578	0.0	6.6	8.8	6.6	22.1											0.0	6.6	8.8	6.6
	With Project	with 2035 SC	CIG	00	140	140	2010 00114110115	volume at ICTF in	On-Dock Yards BNSF Total		1,866,821			1,866,821		3.7	5.0	3.7	12.5											0.0	3.7	5.0	3.7
	considering only positive increases in	volumes.**						2010: 3,752 lifts 48+ foot containers	On-Dock Yards UP Total Off-Dock Yards Total		1,445,756 3,755,738		3,195,640	1,445,756 8,869,132		2.9 1.9	3.9 18.8	2.9 1.7	9.6 22.4	0.0	3.8	4.7	0.9	9.4	0.0	4.4	12.0	4.3	20.7	0.0	2.9	3.9	2.9 6.9
	TEUs that take place entirely at BNSF Off-								BNSF Off-Dock Yards Total		2,921,053	915,349	1,853,853	5,690,255	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
	Oock Yards								Hobart & Commerce Yards San Bernardino Yard	35.1% 64.8%	146,053 0	505,585 409,764	1,004,236 849,617		0.0	0.3	0.6	0.0	0.8	0.0	1.0 0.8	1.2 1.0	0.2	2.5 2.0	0.0	1.1	4.4 3.6	1.8 1.4	7.3 6.0	0.0	1.8	6.2 4.6	2.0 1.6
									SCIG Yard	100.0%	2,775,000	0	0	2,775,000		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
									Additional BNSF Yard Capacity Needed UP Off-Dock Yards Total		834,685	1,002,405	1,341,787	3,178,877	0.0 0.0	1.7	2.2	0.0 1.7	0.0 5.6	0.0 0.0	2.0	0.0 2.5	0.0 0.5	0.0 4.9	0.0 0.0	2.3	4.0	0.0 1.1	0.0 7.4	0.0	6.0	0.0 8.7	3.3
									East L.A. Yard	63.3%	66,352		676,923		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
									ICTF Yard City of Industry Yard	51.3% 99.7%	752,386 185	7,356 333,828	3,900 359,698			0.0	2.0 0.0	0.0	5.0 0.0	0.0	0.0 0.7	0.0	0.0	0.0 1.6	0.0	0.0	0.0	0.0	1.8	0.0	1.5	1.7	1.5 0.4
									LATC Yard	54.1%	15,763	220,968	301,267		0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.5 0.0	0.1 0.0	1.1	0.0	0.4	1.1	0.4	1.9	0.0	0.9	1.7	0.5
									Additional UP Yard Capacity Needed Total Additional 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	0.0
									Total including Additional Yard Capacity Needer Total excluding Additional Yard Capacity Neede		7,068,316 7,068,316		3,195,640 3,195,640		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
	2016 No Project		N	10	Yes	as POLA	Modified Maximum	n No	On-Dock Yards Total		5,866,291		0,100,040	5,866,291		11.0	22.3	0.0	33.3											0.0		22.3	0.0
	assuming equal BNSF-UP IPI market					assumed in deriving at	Practical Capacities at		On-Dock Yards BNSF Total On-Dock Yards UP Total		2,933,146 2,933,146			2,933,146 2,933,146		5.5 5.5	11.1 11.1	0.0	16.6 16.6											0.0	5.5 5.5	11.1 11.1	0.0 0.0
sl	nares					demand for 2016	HOB&COM, ELA, LATC and COI	,	Off-Dock Yards Total		1,268,463	2,770,349				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
							Yards		BNSF Off-Dock Yards Total Hobart & Commerce Yards	39.7%	634,231 634,231	1,385,175 969,622	2,089,841 1,462,889			1.2 1.2	2.4 2.4	0.0 0.0	3.6 3.6	3.2 2.3	1.6 1.1	0.0 0.0	0.0 0.0	4.8 3.4	0.0 0.0	3.2 2.2	6.4 4.5	0.0 0.0	9.6 6.7	3.2 2.3	5.9 4.5	6.9	0.0
									San Bernardino Yard	51.9%	0	415,552	626,952	1,042,505		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
									SCIG Yard Additional BNSF Yard Capacity Needed	N/A	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		634,231					1.2	2.4	0.0	3.6	3.2	1.6 0.8	0.0	0.0	4.8	0.0	3.2	6.4	0.0	9.6	3.2	5.9	8.8	0.0
									East L.A. Yard ICTF Yard	37.9% 21.7%	31,712 602,520		1,044,920 0	1,769,219 602,520		0.1 1.1	0.1 2.3	0.0	0.2 3.4	1.6 0.0	0.0	0.0	0.0	2.4 0.0	0.0	1.6 0.0	3.2 0.0	0.0	0.0	0.0	1.1	2.3	0.0
									City of Industry Yard	98.5%	0	138,517	208,984			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
									LATC Yard Additional UP Yard Capacity Needed	50.8%	0	554,070 0	835,936 0	1,390,006 0	0.0	0.0	0.0	0.0	0.0	1.3 0.0	0.6	0.0	0.0	1.9 0.0	0.0	0.0	2.6 0.0	0.0	3.8 0.0	1.3 0.0	1.9 0.0	2.6 0.0	0.0 0.0
									Total Additional Yard Capacity Needed Total including Additional Yard Capacity Needed		7,134,754	2 770 240	0 4,179,682	14,084,785	0.0	13.4	27.1	0.0	40.5	6.5	3.2	0.0	0.0	0.6	0.0	6.3	12.8	0.0	19.2	6.5	22.9	39.9	0.0
									Total excluding Additional Yard Capacity Neede		7,134,754		4,179,682		0.0	13.4	27.1	0.0	40.5	0.5	3.2	0.0	0.0	9.6	0.0	0.3	12.0	0.0	19.2	0.5	22.9	39.9	0.0
	2016 With Project assuming equal	2016 Cumula	tive Ye	es	Yes	as POLA assumed in	Modified Maximum Practical	n No	On-Dock Yards Total On-Dock Yards BNSF Total		5,866,291 2,933,146			5,866,291 2,933,146		11.0 5.5	22.3 11.1	0.0	33.3 16.6											0.0		22.3 11.1	0.0 0.0
E	BNSF-UP IPI market					deriving at demand for 2016	Capacities at HOB&COM, ELA,		On-Dock Yards UP Total		2,933,146			2,933,146	0.0	5.5	11.1	0.0	16.6											0.0	5.5	11.1	0.0
3	liales					demand for 2010	LATC and COI	5	Off-Dock Yards Total BNSF Off-Dock Yards Total		1,268,463 634,231		4,179,682 2,089,841			1.2 0.1	6.2 3.8	0.0	7.5 3.9	6.5 3.2	3.2 1.6	0.0	0.0	9.6 4.8	0.0	6.3 3.2	12.8 6.4	0.0	19.2 9.6	6.5 3.2	10.8 4.8	19.1 10.2	0.0 0.0
							Yards		Hobart & Commerce Yards	28.4%	31,712	969,622	1,462,889	2,464,222	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
									San Bernardino Yard SCIG Yard	51.9% 21.7%	0 602,520	415,552 0	626,952 0	1,042,505 602,520		0.0	0.0 3.7	0.0	0.0 3.7	1.0 0.0	0.5 0.0	0.0	0.0	1.4 0.0	0.0	0.9	1.9 0.0	0.0	2.9 0.0	0.0	0.0	3.7	0.0
									Additional BNSF Yard Capacity Needed		624.224	1 205 475	2.000.044		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.0	0.0	0.0 4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
									UP Off-Dock Yards Total East L.A. Yard	37.9%	634,231 31,712		2,089,841 1,044,920			1.2 0.1	2.4 0.1	0.0 0.0	3.6 0.2	3.2 1.6	1.6 0.8	0.0	0.0 0.0	4.8 2.4	0.0 0.0	3.2 1.6	6.4 3.2	0.0 0.0	4.8	3.2 1.6	2.4	3.3	0.0
									ICTF Yard City of Industry Yard	21.7%	602,520 0	0 138,517	0 208,984	,		1.1 0.0	2.3 0.0	0.0	3.4 0.0	0.0 0.3	0.0 0.2	0.0	0.0	0.0 0.5	0.0	0.0	0.0	0.0	0.0 1.0	0.0 0.3	1.1 0.5	2.3	0.0
									LATC Yard	98.5% 50.8%	0	554,070	835,936	1,390,006	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
									Additional UP Yard Capacity Needed Total Additional 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	0.0
									Total including Additional Yard Capacity Needed					14,084,785	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
									Total excluding Additional Yard Capacity Neede	d	7,134,754	2,770,349	4,179,682	14,084,785																			

	N Scenarios 11		,												IPI L	+E IM Tra	ains			TLI	L IM Tra	ins			Dom	L+E IM T	rains			Tota	I IM Trai	ns	
No.	Title	Description	SCIG included ?	ICTF Imps included ?	Other rail projects (e.g., APL, Pier B, Pier S) included?	Off-dock rail capacity assumptions ***	Transload permitted at SCIG and ICTF? (Domestic not permitted at ICTF and SCIG)	Yard	% Lifts Capacity Utilization	IPI L+E TEUs	TL L TEUs	Dom L+E TEUs	Total TEUs	12K				Total	12K				Total	12K		8K		Total	12K			6K	Total
	2023 No Project		No	Yes	Yes	Modified Maximum Practical		On-Dock Yards Total On-Dock Yards BNSF Total		8,276,066 4,138,033			8,276,066 4,138,033		15.5 7.7	31.4 15.7	0.0	46.9 23.5											0.0	15.5 7.7	31.4 15.7		46.9 23.5
E	BNSF-UP IPI market					Capacities at HOB&COM, ELA,		On-Dock Yards UP Total		4,138,033			4,138,033		7.7	15.7	0.0	23.5											0.0	7.7	15.7		23.5
8	shares					LATC and COI		Off-Dock Yards Total BNSF Off-Dock Yards Total		1,794,661 897,330	3,932,406 1,966,203	5,560,661 2,780,331		0.0 0.0	3.4 1.7	6.8 3.4	0.0	10.2 5.1	9.2 4.6	4.5 2.3	0.0	0.0	13.7 6.8	0.0	8.4 4.2	17.1 8.5	0.0	25.5 12.7	9.2 4.6	16.3 8.1	23.9 11.9	0.0	49.4 24.7
						Yards		Hobart & Commerce Yards	54.5%	897,330	1,376,342	1,946,231	4,219,904	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 SCIG Yard	70.3% N/A	0	589,861 0	834,099 0	1,423,960 0	0.0	0.0	0.0	0.0	0.0	1.4 0.0	0.7	0.0	0.0	2.1 0.0	0.0	0.0	2.6 0.0	0.0	3.8 0.0	1.4 0.0	1.9 0.0	2.6 0.0	0.0	5.9 0.0
								Additional BNSF Yard Capacity Needed UP Off-Dock Yards Total		897,330	1,966,203	0 2,780,331	5.643.864	0.0	0.0 1.7	0.0	0.0	0.0 5.1	0.0 4.6	0.0	0.0	0.0	0.0 6.8	0.0	0.0 4.2	0.0 8.5	0.0	0.0 12.7	0.0 4.6	0.0 8.1	0.0	0.0	0.0 24.7
								East L.A. Yard	57.6%	44,867	983,101	1,390,165	2,418,133	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 City of Industry Yard	30.7% 100.0%	852,464 0	0 196,620	278,033	852,464 474,653	0.0	0.0	3.2 0.0	0.0	4.8 0.0	0.0 0.5	0.0	0.0	0.0	0.0 0.7	0.0	0.0	0.0	0.0	0.0 1.3	0.0	1.6 0.6	3.2 0.9	0.0	4.8 2.0
								LATC Yard Additional UP Yard Capacity Needed	68.7%	0	786,481	1,112,132		0.0	0.0	0.0	0.0	0.0	1.8 0.0	0.9 0.0	0.0	0.0	2.7 0.0	0.0	1.7 0.0	3.4 0.0	0.0	5.1 0.0	1.8 0.0	2.6 0.0	3.4 0.0	0.0	7.8 0.0
								Total Additional Yard Capacity Needed		0	0	0	0																				
								Total including Additional Yard Capacity Needed Total excluding Additional Yard Capacity Neede		10,070,726 10,070,726		5,560,661 5,560,661		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
	2023 With Project assuming equal	2023 Cumulative	Yes	Yes	Yes	Modified Maximum Practical	No	On-Dock Yards Total On-Dock Yards BNSF Total		8,276,066 4,138,033			8,276,066 4,138,033		15.5 7.7	31.4 15.7	0.0	46.9 23.5											0.0	15.5 7.7	31.4 15.7	0.0	46.9 23.5
E	BNSF-UP IPI market					Capacities at HOB&COM, ELA,		On-Dock Yards UP Total		4,138,033			4,138,033		7.7	15.7	0.0	23.5											0.0	7.7	15.7	0.0	23.5
	, included					LATC and COI Yards		Off-Dock Yards Total BNSF Off-Dock Yards Total		1,794,661 897,330	3,932,406 1,966,203	5,560,661 2,780,331	5,643,864	0.0	1.8 0.1	5.4	0.0	10.6 5.5	9.2 4.6	4.5 2.3	0.0 0.0	0.0 0.0	13.7 6.8	0.0	8.4 4.2	17.1 8.5	0.0	25.5 12.7	9.2 4.6	14.7 6.5	25.9 14.0	0.0	49.8 25.1
								Hobart & Commerce Yards San Bernardino Yard	38.5% 70.3%	44,867 0	1,376,342 589,861	1,946,231 834,099		0.0	0.1	0.2	0.0	0.3	3.2 1.4	1.6 0.7	0.0	0.0	4.8 2.1	0.0	2.9 1.3	6.0 2.6	0.0	8.9 3.8	3.2 1.4	4.6 1.9	6.1 2.6	0.0	14.0 5.9
								SCIG Yard	30.7%	852,464	0	0	852,464	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 UP Off-Dock Yards Total		897,330	1,966,203	2,780,331	5,643,864	0.0 0.0	0.0 1.7	3.4	0.0	5.1	0.0 4.6	2.3	0.0 0.0	0.0 0.0	0.0 6.8	0.0 0.0	0.0 4.2	0.0 8.5	0.0 0.0	0.0 12.7	0.0 4.6	0.0 8.1	0.0 11.9	0.0	0.0 24.7
								East L.A. Yard ICTF Yard	57.6% 30.7%	44,867 852,464	983,101	1,390,165	2,418,133 852,464	0.0	0.1	0.2	0.0	0.3 4.8	2.3 0.0	1.1 0.0	0.0	0.0	3.4 0.0	0.0	2.1 0.0	4.3 0.0	0.0	6.4 0.0	2.3	3.3 1.6	4.4 3.2	0.0	10.0 4.8
								City of Industry Yard	100.0%	0	196,620	278,033	474,653		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 Additional UP Yard Capacity Needed	68.7%	0	786,481 0	1,112,132 0		0.0	0.0	0.0	0.0	0.0	1.8 0.0	0.9	0.0	0.0	2.7 0.0	0.0	1.7 0.0	3.4 0.0	0.0	5.1 0.0	1.8 0.0	2.6 0.0	3.4 0.0	0.0	7.8 0.0
								Total Additional Yard Capacity Needed Total including Additional Yard Capacity Needed		0 10,070,726	3.932.406	5,560,661	0 19,563,793	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
7	2025 No Droinet		No	Yes	Yes	Modified Maximum		Total excluding Additional Yard Capacity Neede		10,070,726		5,560,661	19,563,793			44.4											•••						00.0
a E	2035 No Project assuming equal BNSF-UP IPI market		NO	res	165	Practical Capacities at		On-Dock Yards Total On-Dock Yards BNSF Total On-Dock Yards UP Total		11,683,706 5,841,853 5,841,853			11,683,706 5,841,853 5,841,853	0.0	21.9 10.9 10.9	44.4 22.2 22.2	0.0 0.0 0.0	66.3 33.1 33.1											0.0 0.0 0.0		44.4 22.2 22.2	0.0	66.3 33.1 33.1
\$	shares					HOB&COM, ELA, LATC and COI		Off-Dock Yards Total BNSF Off-Dock Yards Total		4,059,494 2,029,747		8,242,338 4,121,169			7.6 3.8	15.4 7.7	0.0	23.0 11.5	14.4 7.2	7.1 3.5	0.0	0.0	21.5 10.7	0.0	12.5 6.2	25.3 12.7	0.0	37.8 18.9	14.4 7.2	27.1 13.6	40.7 20.4	0.0	82.3 41.1
						Yards		Hobart & Commerce Yards	96.1%	2,029,747	2,156,861	3,065,538	7,252,146	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
								San Bernardino Yard SCIG Yard	100.0% N/A	0	924,369 0	1,055,631 0	1,980,000 0	0.0	0.0	0.0	0.0	0.0	2.2 0.0	1.1 0.0	0.0	0.0	3.2 0.0	0.0	1.6 0.0	3.2 0.0	0.0	4.8 0.0	2.2 0.0	2.7 0.0	3.2 0.0	0.0	8.1 0.0
								Additional BNSF Yard Capacity Needed UP Off-Dock Yards Total		0 2,029,747	0 3,081,230	4,121,169	9,232,146	0.0	0.0 3.8	0.0 7.7	0.0	0.0 11.5	0.0 7.2	0.0 3.5	0.0	0.0	0.0 10.7	0.0	0.0 6.2	0.0 12.7	0.0	0.0 18 9	0.0 7.2	0.0 13.6	0.0 20.4	0.0	0.0 41.1
								East L.A. Yard	100.0%	101,487	1,540,615	2,044,811	3,686,913	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 City of Industry Yard	69.5% 100.0%	1,928,260 0	0 308,123	608,850		0.0	0.0	7.3 0.0	0.0	10.9 0.0	0.0	0.0 0.4	0.0	0.0	0.0 1.1	0.0	0.0	0.0 1.9	0.0	0.0 2.8	0.0 0.7	3.6 1.3	7.3 1.9	0.0	10.9 3.9
								LATC Yard Additional UP Yard Capacity Needed	100.0%	0	1,232,492	1,467,508	, ,	0.0	0.0	0.0	0.0	0.0	2.9 0.0	1.4 0.0	0.0	0.0	4.3 0.0	0.0	2.2 0.0	4.5 0.0	0.0	6.7 0.0	2.9 0.0	3.6 0.0	4.5 0.0	0.0	11.0 0.0
								Total Additional Yard Capacity Needed		0	0	0	0																				
								Total including Additional Yard Capacity Needed Total excluding Additional Yard Capacity Needed		15,743,200 15,743,200		8,242,338 8,242,338		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
	2035 With Project assuming projected	2035 Cumulative	Yes	Yes	Yes	Modified Maximum Practical	No	On-Dock Yards Total On-Dock Yards BNSF Total		11,683,706 5,841,853			11,683,706 5,841,853		21.9 10.9	44.4 22.2	0.0	66.3 33.1											0.0				66.3 33.1
I	PI demand for SCIG and equal BNSF-UP					Capacities at HOB&COM, ELA,		On-Dock Yards UP Total		5,841,853	0.400.400	0.040.000	5,841,853	0.0	10.9	22.2	0.0	33.1	44.4	7.4	0.0	0.0	04.5	0.0	40.5	05.0	0.0	27.0	0.0	10.9	22.2	0.0	33.1 83.2
	PI market shares					LATC and COI Yards		Off-Dock Yards Total BNSF Off-Dock Yards Total		4,059,494 2,029,747	3,081,230	4,121,169	9,232,146	0.0	4.0 0.2	20.0 12.3	0.0 0.0	24.0 12.4	14.4 7.2	7.1 3.5	0.0 0.0	0.0 0.0	21.5 10.7	0.0 0.0	12.5 6.2	25.3 12.7	0.0	37.8 18.9	14.4 7.2	23.5 10.0	45.3 24.9	0.0	42.1
								Hobart & Commerce Yards San Bernardino Yard	59.9% 100.0%	101,487 0	2,156,861 924,369	3,065,538 1,055,631			0.2	0.4	0.0	0.6 0.0	5.0 2.2	2.5 1.1	0.0	0.0	7.5 3.2	0.0	4.6 1.6	9.4 3.2	0.0	14.0 4.8	5.0 2.2	7.3 2.7	9.8 3.2	0.0	22.1 8.1
								SCIG Yard Additional BNSF Yard Capacity Needed	69.5%	1,928,260	0	0	1,928,260		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	0.0 0.0	0.0	11.9 0.0	0.0	11.9 0.0
								UP Off-Dock Yards Total		2,029,747				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 ICTF Yard	100.0% 69.5%	101,487 1,928,260	1,540,615 0	2,044,811 0		0.0	0.2 3.6	7.3	0.0	0.6 10.9	3.6 0.0	1.8 0.0	0.0	0.0	5.4 0.0	0.0	3.1 0.0	6.3 0.0	0.0	9.4 0.0	3.6 0.0	5.1 3.6	6.7 7.3	0.0	15.3 10.9
								City of Industry Yard LATC Yard	100.0%	0	308,123 1,232,492	608,850 1,467,508		0.0	0.0	0.0	0.0	0.0 0.0	0.7 2.9	0.4 1.4	0.0	0.0	1.1 4.3	0.0	0.9 2.2	1.9 4.5	0.0	2.8 6.7	0.7 2.9	1.3 3.6	1.9 4.5	0.0	3.9 11.0
								Additional UP Yard Capacity Needed	100.0%	0	0	0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
								Total Additional Yard Capacity Needed Total including Additional Yard Capacity Needed Total excluding Additional Yard Capacity Neede			6,162,460 6,162,460		30,147,998 30,147,998	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
								. J.a. J.		.0,1 -0,200	0,102,700	0,272,000	00,171,000																				

			•												IPI I	+E IM Tr	rains			TLI	L IM Trai	ns			Dom I	.+E IM Tra	ins		1	Total IM T	rains	
No.	Title	Description	SCIG included		Other rail projects (e.g.,		Transload permitted at	Yard	% Lifts Capacity	IPI L+E TEUs	TL L TEUs	Dom L+E TEUs	Total TEUs	12K	10K		6K	Total	12K	10K	8K		Total	12K	10K			tal 12I				Total
			?	included ?	APL, Pier B, Pier S) included?	assumptions ***	SCIG and ICTF? (Domestic not permitted at		Utilization																							
8b	2035 With Project	2035 Cumulative	Yes	Yes	Yes	Modified Maximum	ICTF and SCIG)	On-Dock Yards Total		11,683,706			11,683,706	0.0	21.9	44.4	0.0	66.3										0.0	0 21.9	9 44.4	0.0	66.3
6.0	assuming maximum demand equal to	2033 Cumulative	165	res	res	Practical Capacities at	NO	On-Dock Yards Notal On-Dock Yards BNSF Total On-Dock Yards UP Total		5,841,853 5,841,853			5,841,853 5,841,853	0.0	10.9 10.9	22.2 22.2	0.0 0.0 0.0	33.1 33.1										0.0	10.9	9 22.2	0.0	33.1 33.1
	capacity of SCIG					HOB&COM, ELA, LATC and COI		Off-Dock Yards Total		4,059,494		8,242,338			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				0.0	82.5
	giving BNSF higher IPI market share					Yards		BNSF Off-Dock Yards Total Hobart & Commerce Yards	60.7%	2,921,053 146,053		4,121,169 3.065.538		0.0	0.3 0.3	16.6 0.6	0.0	16.8 0.8	7.2 5.0	3.5 2.5	0.0	0.0	10.7 7.5	0.0 0.0	6.2 4.6		0.0 18 0.0 14	3.9 7.2 3.0 5.0	2 10.0		0.0	46.4 22.4
								San Bernardino Yard	100.0%	0	924,369	1,055,631	1,980,000	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 2.7	3.2	0.0	8.1
								SCIG Yard Additional BNSF Yard Capacity Needed	100.0%	2,775,000	0	0	2,775,000 0	0.0	0.0	16.0 0.0	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 0.0	0.0	16.0	0.0	16.0 0.0
								UP Off-Dock Yards Total		1,138,441		4,121,169		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	3.9 7.2	2 11.9	17.0	0.0	36.1
								East L.A. Yard ICTF Yard	98.2% 39.0%	56,922 1,081,519		2,117,079 0	3,714,616 1,081,519	0.0	0.1 2.0	0.2 4.1	0.0	0.3 6.1	3.6 0.0	1.8 0.0	0.0	0.0	5.4 0.0	0.0	3.2 0.0	0.0	0.0 9.	.0 0.0	5.1	4.1	0.0	6.1
								City of Industry Yard	100.0%	0	308,123	536,582	. ,	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	1.1	0.0	0.8		0.0 2.		7 1.2	1.6	0.0	3.5
								LATC Yard Additional UP Yard Capacity Needed	100.0%	0	1,232,492 0	1,467,508 0		0.0	0.0	0.0	0.0	0.0	2.9 0.0	1.4 0.0	0.0	0.0	4.3 0.0	0.0	2.2 0.0		0.0 6. 0.0 0.				0.0	11.0 0.0
								Total Additional Yard Capacity Needed Total including Additional Yard Capacity Needed		0 15,743,200	6,162,460	0 242 220	0 30,147,998	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	8 90.6	0.0	148.8
								Total excluding Additional Yard Capacity Neede		15,743,200				0.0	24.3	00.0	0.0		14.4	7.1	0.0	0.0	21.5	0.0	12.5	25.5	0.0 37	.0 14.				140.0
9	2046 No Project assuming equal		No	Yes	Yes	Modified Maximum Practical	No	On-Dock Yards Total On-Dock Yards BNSF Total		11,683,706 5,841,853			11,683,706 5.841.853		21.9 10.9	44.4 22.2	0.0 0.0	66.3 33.1										0.0	0 21.9 0 10.9	9 44.4 9 22.2		66.3 33.1
	BNSF-UP IPI market shares					Capacities at HOB&COM, ELA,		On-Dock Yards UP Total		5,841,853			5,841,853	0.0	10.9	22.2	0.0	33.1										0.0	0 10.9			33.1
	Shares					LATC and COI Yards		Off-Dock Yards Total BNSF Off-Dock Yards Total		4,059,494 2,029,747		8,729,369 4,364,684		0.0 0.0	7.6 3.8	15.4 7.7	0.0 0.0	23.0 11.5	14.4 7.2	7.1 3.5	0.0	0.0	21.5 10.7	0.0 0.0	13.2 6.6		0.0 40 0.0 20		.4 27.9 2 13.9	42.2 21.1	0.0	84.5 42.2
						Tarus		Hobart & Commerce Yards San Bernardino Yard	99.5%	2,029,747	2,156,861 924,369	3,309,053 1,055,631		0.0	3.8	7.7	0.0	11.5 0.0	5.0 2.2	2.5	0.0	0.0	7.5 3.2	0.0	5.0 1.6	10.2 3.2	0.0 15	5.2 5.0	11.3	17.9	0.0	34.2
								SCIG Yard	100.0% N/A	0	924,369	0 1,055,051	1,980,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 UP Off-Dock Yards Total		0 2,029,747	0 3,081,230	0 4,364,684	9,475,661	0.0 0.0	0.0	0.0 7.7	0.0 0.0	0.0 11.5	0.0 7.2	0.0 3.5	0.0	0.0 0.0	0.0 10.7	0.0 0.0	0.0 6.6	0.0 13.4	0.0 0.	0.0	0.0	0.0	0.0	0.0 42.2
								East L.A. Yard	100.0%	101,487	1,540,615	2,044,811	3,686,913	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 5.1	6.7	0.0	15.3
								ICTF Yard City of Industry Yard	69.5% 100.0%	1,928,260	0 308,123	0 852,366	1,928,260 1,160,489	0.0	3.6 0.0	7.3 0.0	0.0	10.9 0.0	0.0	0.0	0.0	0.0	0.0 1.1	0.0	0.0 1.3		0.0 0. 0.0 3.	.0 0.0 .9 0.7	3.6 7 1.6	7.3	0.0	10.9 5.0
								LATC Yard	100.0%	0	1,232,492	1,467,508	2,700,000	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 Total Additional 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	0.0	0.0
								Total including Additional Yard Capacity Needed Total excluding Additional Yard Capacity Neede		15,743,200 15,743,200				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	0.0 14.	4 49.	86.6	0.0	150.7
10a		2046 Cumulative	Yes	Yes	Yes	Modified Maximum		On-Dock Yards Total		11,683,706		0,120,000	11,683,706		21.9	44.4	0.0	66.3										0.0				66.3
	assuming projected IPI demand for SCIG					Practical Capacities at		On-Dock Yards BNSF Total On-Dock Yards UP Total		5,841,853 5,841,853			5,841,853 5,841,853	0.0 0.0	10.9 10.9	22.2 22.2	0.0 0.0	33.1 33.1										0.0	0 10.9 0 10.9			33.1 33.1
	and equal BNSF-UP IPI market shares					HOB&COM, ELA, LATC and COI		Off-Dock Yards Total BNSF Off-Dock Yards Total		4,059,494 2,029,747		8,729,369 4,364,684		0.0	4.0 0.2	20.0 12.3	0.0	24.0 12.4	14.4 7.2	7.1 3.5	0.0	0.0	21.5 10.7	0.0 0.0	13.2 6.6		0.0 40 0.0 20				0.0	85.4 43.2
						Yards		Hobart & Commerce Yards	63.3%	101,487	2,156,861	3,309,053	5,567,402	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		5.2 5.0	7.7	10.5	0.0	23.3
								San Bernardino Yard SCIG Yard	100.0% 69.5%	0 1,928,260	924,369	1,055,631	1,980,000 1,928,260	0.0	0.0	0.0 11.9	0.0	0.0 11.9	2.2 0.0	1.1 0.0	0.0	0.0	3.2 0.0	0.0	1.6 0.0	3.2 0.0	0.0 4.	.8 2.2 .0 0.0	2 2.7	3.2 11.9	0.0	8.1 11.9
								Additional BNSF Yard Capacity Needed	09.576	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 East L.A. Yard	100.0%	2,029,747 101,487		4,364,684 2,044,811	9,475,661 3,686,913	0.0 0.0	3.8 0.2	7.7 0.4	0.0 0.0	11.5 0.6	7.2 3.6	3.5 1.8	0.0	0.0 0.0	10.7 5.4	0.0 0.0	6.6 3.1	13.4 6.3	0.0 20 0.0 9.	0.0 7.2 .4 3.6	2 13.9 5 5.1	6.7	0.0	42.2 15.3
								ICTF Yard	69.5%	1,928,260		050,000	1,928,260		3.6	7.3	0.0	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		3.6	7.3	0.0 0.0	10.9
								City of Industry Yard LATC Yard	100.0% 100.0%	0	308,123 1,232,492	852,366 1,467,508			0.0	0.0	0.0	0.0 0.0	0.7 2.9	0.4 1.4	0.0	0.0	1.1 4.3	0.0	1.3 2.2		0.0 3. 0.0 6.					5.0 11.0
								Additional UP Yard Capacity Needed Total Additional 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	0.0	0.0
								Total including Additional Yard Capacity Needed		15,743,200		8,729,369		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
10b	2046 With Project		Yes	Yes	Yes	Modified Maximum		Total excluding Additional Yard Capacity Neede On-Dock Yards Total	d	15,743,200 11,683,706		8,729,369	11,683,706		21.9		0.0	66.3										0.0				66.3
	assuming maximum demand equal to					Practical Capacities at		On-Dock Yards BNSF Total On-Dock Yards UP Total		5,841,853 5,841,853			5,841,853 5,841,853		10.9 10.9	22.2 22.2	0.0 0.0	33.1 33.1										0.0				33.1 33.1
	capacity of SCIG giving BNSF higher					HOB&COM, ELA, LATC and COI		Off-Dock Yards Total		4,059,494	6,162,460		18,951,323	0.0	2.4	20.9	0.0	23.3	14.4	7.1	0.0	0.0	21.5	0.0			0.0 40	.0 14.	4 22.	7 47.7	0.0	84.7
	IPI market share					Yards		BNSF Off-Dock Yards Total Hobart & Commerce Yards	64.1%	2,921,053 146,053		4,364,684 3,309,053			0.3 0.3	16.6 0.6	0.0 0.0	16.8 0.8	7.2 5.0	3.5 2.5	0.0	0.0 0.0	10.7 7.5	0.0 0.0	6.6 5.0		0.0 20 0.0 15	0.0 7.2 5.2 5.0			0.0	47.6 23.5
								San Bernardino Yard SCIG Yard	100.0%	0	924,369	1,055,631			0.0	0.0 16.0	0.0 0.0	0.0 16.0	2.2 0.0	1.1 0.0	0.0	0.0	3.2 0.0	0.0	1.6 0.0		0.0 4.		2 2.7	3.2	0.0	8.1 16.0
								Additional BNSF Yard Capacity Needed	100.0%	2,775,000 0	0	0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 East L.A. Yard	100.0%	1,138,441 56,922		4,364,684 2,117,079		0.0 0.0	2.1 0.1	4.3 0.2	0.0 0.0	6.5 0.3	7.2 3.6	3.5 1.8	0.0	0.0	10.7 5.4	0.0 0.0	6.6 3.2		0.0 20 0.0 9.		2 12.3	17.7 6.7	0.0	37.2 15.4
								ICTF Yard	39.0%	1,081,519	0	0	1,081,519	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	2.0	4.1	0.0	6.1
								City of Industry Yard LATC Yard	100.0% 100.0%	0	308,123 1,232,492	780,098 1,467,508		0.0	0.0	0.0	0.0 0.0	0.0 0.0	0.7 2.9	0.4 1.4	0.0	0.0	1.1 4.3	0.0	1.2 2.2		0.0 3. 0.0 6.				0.0	4.6 11.0
								Additional UP Yard Capacity Needed	. 55.676	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0				0.0	0.0
								Total Additional Yard Capacity Needed Total including Additional Yard Capacity Needed	i	0 15,743,200	6,162,460	8,729,369	30,635,029	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	0.0 14.	4 44.0	6 92.1	0.0	151.0
								Total excluding Additional Yard Capacity Neede			6,162,460																					

	C OCCITATION IL		,												IPI I	+E IM Tr	ains			TI I	L IM Trai	ns			Dom I	+E IM Tra	ains			Total IN	Trains	
No.	Title	Description	SCIG included ?	ICTF Imps included ?	Other rail projects (e.g., APL, Pier B, Pier S) included?		Transload permitted at SCIG and ICTF? (Domestic not permitted at ICTF and SCIG)	Yard	% Lifts Capacity Utilization	IPI L+E TEUs	TL L TEUs	Dom L+E TEUs	Total TEUs	12K				Total	12K				Total	12K				otal 1	12K 1			Total
as	020 No Project ssuming equal NSF-UP IPI market		No	Yes	Yes	Modified Maximum Practical Capacities at		On-Dock Yards Total On-Dock Yards BNSF Total On-Dock Yards UP Total		7,117,834 3,558,917 3,558,917			7,117,834 3,558,917 3,558,917	0.0	13.3 6.7 6.7	27.0 13.5 13.5	0.0 0.0 0.0	40.4 20.2 20.2										(0.0	3.3 27 5.7 13 5.7 13	5 0.0	20.2
	nares					HOB&COM, ELA, LATC and COI Yards		Off-Dock Yards Total BNSF Off-Dock Yards Total		1,612,966 806,483	1,699,950	2,465,223	9,943,313 4,971,656	0.0 0.0	3.0 1.5	6.1 3.1	0.0	9.1 4.6	7.9 4.0	3.9 2.0	0.0 0.0	0.0	11.8 5.9	0.0	7.5 3.7	7.6	0.0 1	22.6 7 11.3 4	7.9 14 4.0 7	4.4 21 '.2 10	3 0.0 6 0.0	43.6 21.8
								Hobart & Commerce Yards San Bernardino Yard SCIG Yard	46.9% 63.1% N/A	806,483 0 0	1,189,965 509,985 0	1,725,656 739,567 0			1.5 0.0 0.0	3.1 0.0 0.0	0.0 0.0 0.0	4.6 0.0 0.0	2.8 1.2 0.0	1.4 0.6 0.0	0.0 0.0 0.0	0.0 0.0 0.0	4.1 1.8 0.0	0.0 0.0 0.0	2.6 1.1 0.0	5.3 2.3 0.0	0.0	3.4 1	1.2 1	5.5 8. 1.7 2. 0.0 0.	3 0.0	5.2
								Additional BNSF Yard Capacity Needed UP Off-Dock Yards Total East L.A. Yard	57.3%	806,483 40,324	1,699,950 849,975	0 2,465,223 1,232,612		0.0 0.0	0.0 1.5	0.0 3.1	0.0 0.0	0.0 4.6	0.0 4.0 2.0	0.0 2.0 1.0	0.0 0.0	0.0 0.0	0.0 5.9 3.0	0.0 0.0	0.0 3.7 1.9	0.0 7.6 3.8	0.0 1		4.0 7	0.0 0. 7.2 10 2.9 3.	0.0 6 0.0 9 0.0	
								ICTF Yard City of Industry Yard	27.6% 59.8%	766,159 0	0 169,995	0 246,522	766,159 416,517	0.0	1.4	2.9	0.0	4.3	0.0 0.4	0.0	0.0	0.0	0.0 0.6	0.0	0.0	0.0	0.0	0.0 (0.0 1 0.4 0	.4 2	0.0	4.3 1.7
								LATC Yard Additional UP Yard Capacity Needed Total Additional Yard Capacity Needed	61.7%	0 0	679,980 0	986,089 0	0	0.0	0.0	0.0	0.0	0.0	1.6 0.0	0.8	0.0	0.0	0.0	0.0	1.5 0.0					2.3 3.0.0 0.		
12 20	020 With Project	2020 Cumulative	Yes	Yes	Yes	Modified Maximum		Total including Additional Yard Capacity Needec Total excluding Additional Yard Capacity Needec On-Dock Yards Total		8,730,800 8,730,800 7,117,834	3,399,900 3,399,900				16.3	33.2 27.0	0.0	49.5	7.9	3.9	0.0	0.0	11.8	0.0	7.5	15.1	0.0 2			7.7 48 3.3 27		
as B	ssuming equal NSF-UP IPI market nares					Practical Capacities at HOB&COM, ELA,		On-Dock Yards BNSF Total On-Dock Yards UP Total Off-Dock Yards Total		3,558,917 3,558,917 1,612,966	3,399,900	4,930,446	3,558,917 3,558,917	0.0 0.0	6.7	13.5	0.0	20.2	7.0	3.9	0.0	0.0	11.8	0.0	7.5	15.1	0.0 2	(0.0	5.7 13 5.7 13 2.9 23	5 0.0 5 0.0	20.2 20.2
						LATC and COI Yards		BNSF Off-Dock Yards Total Hobart & Commerce Yards	33.1%	806,483 40,324	1,699,950 1,189,965	2,465,223 1,725,656	4,971,656 2,955,945	0.0 0.0	0.1 0.1	4.9 0.2	0.0 0.0 0.0	4.9 0.2	7.9 4.0 2.8	2.0 1.4	0.0	0.0 0.0	5.9 4.1	0.0 0.0	3.7 2.6	7.6 5.3	0.0 1	11.3 4 7.9 2	4.0 5 2.8 4	i.8 12	4 0.0 5 0.0	22.2 12.3
								San Bernardino Yard SCIG Yard Additional BNSF Yard Capacity Needed	63.1% 27.6%	766,159 0	509,985 0 0	739,567 0 0	766,159 0		0.0 0.0 0.0	0.0 4.7 0.0	0.0 0.0 0.0	0.0 4.7 0.0	1.2 0.0 0.0	0.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.8 0.0 0.0	0.0 0.0 0.0	1.1 0.0 0.0		0.0	0.0	0.0	.7 2.0.0 4.0.0 0.0	7 0.0	4.7
								UP Off-Dock Yards Total East L.A. Yard ICTF Yard	57.3% 27.6%	806,483 40,324 766,159	1,699,950 849,975 0	2,465,223 1,232,612 0		0.0 0.0 0.0	1.5 0.1 1.4	3.1 0.2 2.9	0.0 0.0 0.0	4.6 0.2 4.3	4.0 2.0 0.0	2.0 1.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	5.9 3.0 0.0	0.0 0.0 0.0	3.7 1.9 0.0	3.8	0.0	5.6 2	2.0 2	7.2 10 2.9 3. 1.4 2.	0.0	8.8
								City of Industry Yard LATC Yard Additional UP Yard Capacity Needed	59.8% 61.7%	0	169,995 679,980	246,522 986,089	1,666,069		0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.4 1.6 0.0	0.2 0.8 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.6 2.4 0.0	0.0 0.0 0.0	0.4 1.5 0.0	3.0	0.0	4.5	1.6 2	0.6 0. 2.3 3. 0.0 0.	0.0	6.9
								Total Additional Yard Capacity Needed Total including Additional Yard Capacity Needed Total excluding Additional Yard Capacity Neede		8,730,800 8,730,800	3,399,900 3,399,900		0 17,061,146		14.9	35.0		49.9		3.9	0.0				7.5		0.0 2			6.3 50		
as	030 No Project ssuming equal NSF-UP IPI market		No	Yes	Yes	Modified Maximum Practical Capacities at	No	On-Dock Yards Total On-Dock Yards BNSF Total On-Dock Yards UP Total		10,951,946 5,475,973 5,475,973	3,399,900	4,930,440	10,951,946 5,475,973 5,475,973	0.0	20.5 10.2 10.2	41.6 20.8 20.8	0.0 0.0 0.0	62.1 31.1 31.1										(0.0 1	0.5 41 0.2 20 0.2 20	8 0.0	31.1
	nares					HOB&COM, ELA, LATC and COI Yards		Off-Dock Yards Total BNSF Off-Dock Yards Total		2,873,254 1,436,627	2,705,850	7,293,339 3,646,670	15,578,293 7,789,147	0.0 0.0	5.4 2.7	10.9 5.5	0.0	16.3	12.6 6.3	6.2 3.1	0.0	0.0	18.8 9.4	0.0	11.0 5.5	11.2	0.0 1	33.4 1 16.7 6	2.6 2 6.3 1	2.6 33 1.3 16	3 0.0 7 0.0	68.6 34.3
								Hobart & Commerce Yards San Bernardino Yard SCIG Yard	75.3% 96.3% N/A	1,436,627 0 0	1,894,095 811,755 0	2,552,669 1,094,001 0	-,,	0.0 0.0 0.0	2.7 0.0 0.0	5.5 0.0 0.0	0.0 0.0 0.0	8.1 0.0 0.0	4.4 1.9 0.0	0.9 0.0	0.0 0.0 0.0	0.0 0.0 0.0	6.6 2.8 0.0	0.0 0.0 0.0	3.9 1.7 0.0		0.0	5.0 1	1.9 2	3.7 13 2.6 3 0.0 0	4 0.0	7.8
								Additional BNSF Yard Capacity Needed UP Off-Dock Yards Total East L.A. Yard	87.8%	0 1,436,627 71,831	2,705,850 1,352,925	0 3,646,670 1,823,335		0.0 0.0 0.0	0.0 2.7 0.1	0.0 5.5 0.3	0.0 0.0 0.0	0.0 8.1 0.4	0.0 6.3 3.2	0.0 3.1 1.6	0.0 0.0 0.0	0.0 0.0 0.0	0.0 9.4 4.7	0.0 0.0 0.0	0.0 5.5 2.8	0.0 11.2 5.6	0.0 1	16.7	6.3 1	0.0 0. 1.3 16 3.4 5.	7 0.0	34.3
								ICTF Yard City of Industry Yard LATC Yard	49.2% 91.3% 94.1%	1,364,796 0	0 270,585 1.082,340	0 364,667 1.458.668		0.0	2.6 0.0 0.0	5.2 0.0 0.0	0.0 0.0 0.0	7.7 0.0 0.0	0.0 0.6 2.5	0.0 0.3 1.2	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.9 3.8	0.0 0.0 0.0	0.0 0.6 2.2	1.1	0.0	1.7	0.6	2.6 5. 0.9 1. 3.4 4.		2.6
								Additional UP Yard Capacity Needed Total Additional Yard Capacity Needed Total including Additional Yard Capacity Needec		0 0 13,825,200	0 0 5 411 700	0 0 7,293,339	0	0.0	0.0 25.9	0.0 52.5	0.0	78.4	0.0 12.6	0.0 6.2	0.0	0.0	0.0	0.0	0.0					3.1 74		
	•	2030 Cumulative	Yes	Yes	Yes	Modified Maximum Practical		Total excluding Additional Yard Capacity Needed On-Dock Yards Total		13,825,200 10,951,946		7,293,339	26,530,239 10,951,946	0.0	20.5	41.6	0.0	62.1	12.0	0.2	0.0	0.0	10.0	0.0	11.0	22.4	0.0 3	(0.0 2	0.5 41	6 0.0	62.1
В	ssuming equal NSF-UP IPI market nares					Capacities at HOB&COM, ELA, LATC and COI		On-Dock Yards BNSF Total On-Dock Yards UP Total Off-Dock Yards Total		5,475,973 5,475,973 2,873,254		7,293,339		0.0	10.2 10.2 2.8	20.8 20.8 14.1	0.0	31.1 31.1 17.0	12.6	6.2	0.0		18.8	0.0				33.4 1	0.0 1	0.2 20 0.2 20 0.1 36	8 0.0 5 0.0	31.1 69.2
						Yards		BNSF Off-Dock Yards Total Hobart & Commerce Yards San Bernardino Yard	50.7% 96.3%	1,436,627 71,831 0	2,705,850 1,894,095 811,755	3,646,670 2,552,669 1,094,001	4,518,595	0.0	0.1 0.1 0.0	8.7 0.3 0.0	0.0 0.0 0.0	8.8 0.4 0.0	6.3 4.4 1.9	3.1 2.2 0.9	0.0 0.0 0.0	0.0 0.0 0.0	9.4 6.6 2.8	0.0 0.0 0.0	5.5 3.9 1.7	7.8 3.4	0.0 1	11.7	4.4 6	3.8 19 5.2 8 2.6 3	0.0	18.7
								SCIG Yard Additional BNSF Yard Capacity Needed UP Off-Dock Yards Total	49.2%	1,364,796 0 1,436,627	0 0 2,705,850	0 0 3,646,670	1,364,796 0 7,789,147	0.0	0.0 0.0 2.7	8.4 0.0 5.5	0.0 0.0 0.0	8.4 0.0 8.1	0.0 0.0 6.3	0.0 0.0 3.1	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 9.4	0.0 0.0 0.0	0.0 0.0 5.5		0.0	0.0	0.0	0.0 8. 0.0 0. 1.3 16	0.0	0.0
								East L.A. Yard ICTF Yard City of Industry Yard	87.8% 49.2% 91.3%	71,831 1,364,796 0	1,352,925 0 270,585	1,823,335 0 364,667	1,364,796		0.1 2.6 0.0	0.3 5.2 0.0	0.0 0.0 0.0	0.4 7.7 0.0	3.2 0.0 0.6	1.6 0.0 0.3	0.0 0.0 0.0	0.0 0.0 0.0	4.7 0.0 0.9	0.0 0.0 0.0	2.8 0.0 0.6	0.0	0.0	0.0	0.0 2	2.6 5. 0.9 1.	2 0.0	7.7
								LATC Yard Additional UP Yard Capacity Needed Total Additional Yard Capacity Needed	94.1%	0	1,082,340	1,458,668	2,541,008		0.0	0.0	0.0	0.0	2.5	1.2	0.0	0.0	3.8 0.0	0.0	2.2	4.5	0.0	6.7	2.5 3	3.4 4. 0.0 0.	0.0	10.5
								Total Additional Yard Capacity Needed Total including Additional Yard Capacity Needed Total excluding Additional Yard Capacity Needed		13,825,200	5,411,700 5,411,700		26,530,239 26,530,239	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 3	33.4 1	2.6 4	0.6 78	1 0.0	131.3

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

Γ	
DEMAND in Lifts	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
OII-DOCK Yards Total	% Market Split
	70 Market Spill
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard Capacity Needed	
UD Off Death Venda Tabel	
UP Off-Dock Yards Total	
East L.A. Yard ICTF Yard	
City of Industry Yard LATC Yard	
Additional UP Yard Capacity Needed	
Additional of Tara Supacity Necded	

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

cenario #1 - E	Baseline 201	0		
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %
1,840,321			1,840,321	
100%				
1,037,123			1,037,123	
803,198			803,198	
912,306	639,251	1,091,004	2,642,561	
35%	24%	41%		
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	<i>231,279</i>	99.7%
8,757	73,656	101,610	184,023	54.1%
0	0	0	0	
0	n		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	0/14 1 2 11
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
Off-Dock Yards Total	
	% Market Split
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 201	10 w. 2035 BN	ISF volumes	
IPI L +E	TL L	Dom L+E	Total Lifts	Util. %
1,840,321 100%			1,840,321	
1,037,123 803,198			1,037,123 803,198	
2,042,661 54%	639,251 17%	1,091,004 29%	3,772,916	
1,578,947 78,947	305,116 168,528	640,338 349,491	2,524,401 596,966	35.1%
1,500,000 0	136,588 0 0	290,847 0 0	427,435 1,500,000 <mark>0</mark>	64.8% 100.0%
463,714	334,135	450,666	1,248,515	(2.20/
36,862 417,992 103	146,751 2,452 111,276	227,856 1,300 119,900	411,469 421,744 231,279	63.3% 51.3% 99.7%
8,757 0	73,656 0	101,610	184,023 0	54.1%

Γ	0	0	0	0	
ı	3,882,982	639,251	1,091,004	5,613,237	
ı	3,882,982	639,251	1,091,004	5,613,237	

DEMAND in Lifts	
On-Dock Yards Total	
On Dook Vorde DNSE 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 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 Pr	oject		
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %
3,170,968			3,170,968	
100%				
1,585,484			1,585,484	
1,585,484			1,585,484	
685,655	923,450	1,393,227	3,002,332	
23%	31%	46%		
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	

% Market Split
% Market Split
% Market Split

IPI L+E	TL L	Dom L+E	Total Lifts	Util. %
3,170,968			3,170,968	
100%				
1,585,484			1,585,484	
1,585,484			1,585,484	
685,655	923,450	1,393,227	3,002,332	
23%	31%	46%		
342,828	461,725	696,614	1,501,166	
17,141	323,207	487,630	<i>827,978</i>	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	<i>596,311</i>	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	

DEMAND in Lifts	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total On-Dock Yards UP Total	
OII-DOCK YAIRS OF TOTAL	
Off-Dock Yards Total	
	% Market Split
DNOT OF D. I.V. I. T. I.	
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard SCIG Yard	
00.0 14.4	
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 - 2	2023 No Proj	iect		
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %
4,473,549			4,473,549	
100%				
2,236,774			2,236,774	
2,236,774			2,236,774	
970,087	1,310,802	1,853,554	4,134,443	
23%	32%	45%	.,,.,	
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	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
DNCE Off Death Venda Tabel	
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	
Additional of Taru Capacity Needed	

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

Scenario #6 -	Scenario #6 - 2023 w. Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %		
4,473,549			4,473,549			
100%						
2,236,774			2,236,774			
2,236,774			2,236,774			
070 007	1 210 002	1 052 554	1 121 112			
970,087	1,310,802	1,853,554	4,134,443			
23%	32%	45%				
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			
405.042	/55 401	00/ 777	2.0/7.224			
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	<i>158,218</i>	68.2%		
0	262,160	370,711	<i>632,871</i>	70.3%		
0	0	0	0			

- 1					
	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	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
On-Dock Tards Total	% Market Split
	re marrier opin
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	Scenario #7 - 2035 No Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %		
6,315,517 <i>100%</i>			6,315,517			
3,157,758			<i>3,157,758</i>			
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	<i>305,658</i>	131.7%		
0	410,831	489,169	900,000	100.0%		
0	0	0	0			

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

DEMAND in Lifts	
On-Dock Yards Total	0/ Market Calit
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
Off-Dock Yards Total	
	% Market Split
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	

TL L			
	Dom L+E	Total Lifts	Util. %
		6,315,517	
		3,157,758	
		3,157,758	
2,054,153	2,747,446	6,995,920	
29%	39%		
1,027,077	1,373,723	3,497,960	
718,954	1,021,846	1,795,658	59.9%
308,123	351,877	660,000	100.09
0	0	1,042,302	69.5%
0	0	0	
1,027,077	1,373,723	3,497,960	
513,538	681,604	1,250,000	100.09
0	0	1,042,302	69.5%
102,708	202,950	<i>305,658</i>	131.7%
410,831	489,169	900,000	100.09
0	0	0	
	29% 1,027,077 718,954 308,123 0 0 1,027,077 513,538 0 102,708	29% 39% 1,027,077 1,373,723 718,954 1,021,846 308,123 351,877 0 0 0 1,027,077 1,373,723 513,538 681,604 0 0 102,708 202,950	2,054,153 2,747,446 6,995,920 29% 39% 1,027,077 1,373,723 3,497,960 718,954 1,021,846 1,795,658 308,123 351,877 660,000 0 0 1,042,302 0 0 0 1,027,077 1,373,723 3,497,960 513,538 681,604 1,250,000 0 0 1,042,302 102,708 202,950 305,658

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	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
OII-DOCK Talus Total	% Market Split
	70 Warket Spill
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	

Scenario #8b - 2035 w. Project (BNSF Higher IPI Share)					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
6,315,517 <i>100%</i>			6,315,517		
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%			
1,578,947	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	<i>281,568</i>	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	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
DNCE Off Death Venda Tabel	
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	
Additional of Taru Capacity Needed	

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

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	2,909,790	7,158,264	
31%	29%	41%		
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	

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

DEMAND in Lifts	
On-Dock Yards Total	
	% Market Split
On-Dock Yards BNSF Total On-Dock Yards UP Total	
OII-DOCK YAIRS OF TOTAL	
Off-Dock Yards Total	
	% Market Split
DNOT OF D. I.V. I. T. I.	
BNSF Off-Dock Yards Total	
Hobart & Commerce Yards	
San Bernardino Yard SCIG Yard	
00.0 14.4	
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	

Scenario #10a - 2046 w. Project (Equal BNSF-UP IPI Share) IPI L+E TLL Dom L+E Util. % Total Lifts

6,315,517 <i>100%</i>			6,315,517	
3,157,758			3,157,758	
3,157,758			3,157,758	
, ,				
2,194,321	2,054,153	2,909,790	7,158,264	
31%	29%	41%		
1,097,160	1,027,077	1,454,895	<i>3,579,132</i>	
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	<i>386,830</i>	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	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
OII-DOCK Talus Total	% Market Split
	70 Warket Spill
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	

enario #10b	- 2046 w. Pr	oject (BNSF)	Higher IPI Sh	nare)
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	2,909,790	7,158,264	
31%	29%	41%		
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	100.09
1,500,000	0	0	1,500,000	100.09
0	0	0	0	
615,374	1,027,077	1,454,895	3,097,345	
30,769	513,538	705,693	1,250,000	100.09
584,605	0	0	584,605	39.0%
0	102,708	260,033	362,740	156.49
0	410,831	489,169	900,000	100.09
0	0	0	0	

- 1					
	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	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
	% Market Split
DNCE Off Death Venda Tabel	
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	
Additional of Taru Capacity Needed	

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

IPI L+E	TL L	Dom L+E	Total Lifts	Util. 9
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	63.19
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	59.89
0	226,660	328,696	<i>555,356</i>	61.79
0	0	0	0	

DEMAND in Lifts	
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 Capacity Needed	
Additional BNSF Tard Capacity Necded	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

IPI L+E	TL L	Dom L+E	Total Lifts	Util. 9
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	
21,797	396,655	575,219	993,671	33.19
0	169,995	246,522	416,517	63.19
414,140	0	0	414,140	27.69
0	0	0	0	
435,937	566,650	821,741	1,824,328	
21,797	283,325	410,871	715,992	57.39
414,140	0	0	414,140	27.69
0	56,665	82,174	138,839	59.8%
0	226,660	328,696	<i>555,356</i>	61.79
0	0	0	0	

0	0	0	n	
4 710 251	1 122 200	1 / 42 402	7 40/ 122	
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	
	% 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 Capacity Needed	
Additional BNSF Tard Capacity Necded	
UP Off-Dock Yards Total	
East L.A. Yard	
ICTF Yard	
City of Industry Yard	
LATC Yard	
Additional UP Yard Capacity Needed	

Scenario #13 -	Scenario #13 - 2030 No Project					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %		
5,919,971 <i>100%</i>			5,919,971			
2,959,985			2,959,985			
2,959,985			2,959,985			
1,553,110	1,803,900	2,431,113	5,788,123			
27%	31%	42%				
776,555	901,950	1,215,557	2,894,062			
776,555	631,365	850,890	<i>2,258,810</i>	75.3%		
0	270,585	364,667	<i>635,252</i>	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	<i>737,727</i>	49.2%		
0	90,195	121,556	<i>211,751</i>	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	
	% Market Split
On-Dock Yards BNSF Total	
On-Dock Yards UP Total	
Off-Dock Yards Total	
OII-DOCK Talus Total	% Market Split
	70 Warket Spill
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	

Scenario #14 -	- 2030 w. Proj	ject		
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %
5,919,971 <i>100%</i>			5,919,971	
2,959,985			2,959,985	
2,959,985			2,959,985	
1,553,110	1,803,900	2,431,113	5,788,123	
27%	31%	42%		
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	<i>635,252</i>	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	<i>211,751</i>	91.3%
0	360,780	486,223	847,003	94.1%
0	0	0	0	

_				
Ī	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 TEUs	
On-Dock Yards Total	% Market Split
On-Dock Yards BNSF Total On-Dock Yards UP Total	
Off-Dock Yards Total	O/ Mankat Culit
	% 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 #1 -	Baseline 201	10		
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 4 40 151	1 017 754	2 105 440	4 7EE E1E	
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	
004.405	4 000 405	4 0 44 707	0.470.077	
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	0/ 14 0 . W
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
Off-Dock Yards Total	% Markot Split
	% 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	

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	
7,068,316	5 1,917,754	3,195,640	12,181,710	
7,068,316	5 1,917,754	3,195,640	12,181,710	

DEMAND in TEUs	
On-Dock Yards Total	
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
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 #3	2016 No Pr	oject		
IPI L+E	TL L	Dom L+E	Total TEUs	
5,866,291			5,866,291	
100%				
2,933,146			<i>2,933,146</i>	
2,933,146			2,933,146	
1 2/0 4/2	2 770 240	4 170 700	0.210.404	
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	
/2/221	1 205 175	2 000 041	4 100 247	
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	<i>602,520</i>	
0	138,517	208,984	<i>347,502</i>	
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 TELLS	
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	

5,866,291 100%			Total TEUs
			5,866,291
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	
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
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 Need	ed
Total excluding Additional Yard Capacity Need	ded

Scenario #5	2023 No Proj	iect		
IPI L+E	TL L	Dom L+E	Total TEUs	
8,276,066 100%			8,276,066	
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	<i>852,464</i>	
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	0/ 14 0 . W
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
Off-Dock Yards Total	% Markot Split
	% 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 - 2	2023 w. Proje	ect		
IPI L+E	TL L	Dom L+E	Total TEUs	
8,276,066			8,276,066	
100%				
4,138,033			<i>4,138,033</i>	
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	<i>852,464</i>	
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	
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
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 #7 - 2035 No Project				
IPI L+E	TL L	Dom L+E	Total TEUs	
11,683,706 <i>100%</i>			11,683,706	
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	

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
DNSE Off Dock Vards Total	
BNSF Off-Dock Yards Total Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
Additional DNSI Talu TEOS 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

cenario #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
DNSE Off Dock Vards Total	
BNSF Off-Dock Yards Total Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
Additional DNSI Talu TEOS 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	0/ 14 0 . W
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
Off-Dock Yards Total	% Markot Split
	% 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

PL+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	
OII-DOCK YAIUS TOTAL	% Market Split
	70 Market Spilt
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 #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	

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%	10,701,020	
2170	0070	7070		
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	<i>1,928,260</i>	
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	<i>1,928,260</i>	
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
DNSE Off Dock Vards Total	
BNSF Off-Dock Yards Total Hobart & Commerce Yards	
San Bernardino Yard	
SCIG Yard	
Additional BNSF Yard TEUs to be handled	
Additional DNSI Talu TEOS 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

PI 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	0/ 14 0 . W
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
Off-Dock Yards Total	% Markot Split
	% 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	

	2020 No Pro	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
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	O/ Market Calit
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
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. Proj	ject		
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	<i>766,159</i>	
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	
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
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	

PI L+E	TL L	Dom L+E	Total TEUs
10,951,946 100%			10,951,946
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	<i>635,252</i>
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	0/ 14 0 . W
On-Dock Yards BNSF Total On-Dock Yards UP Total	% Market Split
Off-Dock Yards Total	% Markot Split
	% 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	

PI 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

	S	Scenari	io #1 - L	Baseline	e 2010																
<u></u> .	IF	PI L+E					TL L					Dom L+	E				Total				
IM Trains		12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal		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 On-Dock Yards UP Total		0.0	3.7 2.9	5.0 3.9	3.7 2.9	12.5 9.6											0.0 0.0	3.7 2.9	5.0 3.9	3.7 2.9	12.5 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 Hobart & Commerce Yards San Bernardino Yard SCIG Yard Additional BNSF Yard Capacity Needed		0.0 0.0 0.0 0.0 0.0	1.6 1.6 0.0 0.0 0.0	2.2 2.2 0.0 0.0 0.0	1.6 1.6 0.0 0.0 0.0	5.4 5.4 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	1.8 1.0 0.8 0.0 0.0	2.3 1.2 1.0 0.0 0.0	0.5 0.2 0.2 0.0 0.0	4.5 2.5 2.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	2.1 1.1 1.0 0.0 0.0	8.0 4.4 3.6 0.0 0.0	3.2 1.8 1.4 0.0 0.0	13.3 7.3 6.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	5.5 3.7 1.8 0.0 0.0	12.4 7.8 4.6 0.0 0.0	5.3 3.6 1.6 0.0 0.0	23.2 15.2 8.0 0.0 0.0
UP Off-Dock Yards Total East L.A. Yard ICTF Yard City of Industry Yard LATC Yard Additional UP Yard Capacity Needed		0.0 0.0 0.0 0.0 0.0 0.0	1.7 0.1 1.5 0.0 0.0	2.2 0.2 2.0 0.0 0.0 0.0	1.7 0.1 1.5 0.0 0.0	5.6 0.4 5.0 0.0 0.1 0.0	0.0 0.0 0.0 0.0 0.0 0.0	2.0 0.9 0.0 0.7 0.4 0.0	2.5 1.1 0.0 0.8 0.5 0.0	0.5 0.2 0.0 0.2 0.1 0.0	4.9 2.2 0.0 1.6 1.1 0.0	0.0 0.0 0.0 0.0 0.0 0.0	2.3 1.2 0.0 0.7 0.4 0.0	4.0 2.0 0.0 0.9 1.1 0.0	1.1 0.5 0.0 0.2 0.4 0.0	7.4 3.7 0.0 1.8 1.9 0.0	0.0 0.0 0.0 0.0 0.0 0.0	6.0 2.2 1.5 1.4 0.9 0.0	8.7 3.3 2.0 1.7 1.7 0.0	3.3 0.9 1.5 0.4 0.5 0.0	17.9 6.3 5.0 3.5 3.1
All Rail Yards Total	1	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

	Scone	rio#2	Paca	lina 2	010 w. 20	125 DN	SE vol	umoc												
			- Dase	iiie z	010 W. Z		SF VOI	uiiies			D I	. =				T-4-1				
	IPI L+E					TL L					Dom L	+E				Total				
IM Trains	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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	8.0	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

	Caar	!- H	2 204	C No	Dunings															
	ocen	ario #	3 - 2 01	סא ס	Project															
	IPI L+	E				TL L					Dom L	.+E				Total				
IM Trains	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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

	Scena	rio #4 ·	- 2016 v	v. Pro	ject															
	IPI L+E					TL L					Dom L+	E				Total				
IM Trains	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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	8.0	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

	Sc	enari	io #5 - 2	2023 No	Proje	ct															
	ΙΡΙ	L+E					TL L					Dom L+l	Ε				Total				
IM Trains		12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal		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 SCIG Yard		0.0	0.0	0.0	0.0	0.0 0.0	0.0	0.7 0.0	0.0	0.0	2.1 0.0	0.0	1.3 0.0	2.6	0.0	3.8 0.0	1.4	1.9 0.0	2.6	0.0	5.9 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	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

	Scena	rio #6	- 2023	w. Pr	oject															
	IPI L+E					TL L					Dom L-	ŀΕ				Total				
IM Trains	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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

	Scen	ario #7	7 - 203	5 No	Project															
	IPI L+					TL L					Dom L	.+E				Total				
IM Trains	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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	12.5	25.3	0.0	37.8	14.4	27.1	40.7	0.0	82.3
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	6.2	12.7	0.0	18.9	7.2	13.6	20.4	0.0	41.1
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	4.6	9.4	0.0	14.0	5.0	10.9	17.1	0.0	33.1
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	0.0	0.0	0.0	0.0	0.0	0.0	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	6.2	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	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

	3	Scenar	rio #8a	- 2035	w. Pr	oject (Eq	ual BN	SF-UP	IPI Sha	re)											
	II	PI L+E					TL L					Dom L+	ŀΕ				Total				
IM Trains		12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal		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	П	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	П	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	П	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	П	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	П	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	1	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	1	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

	Sce	enario	#8b -	2035 w	. Proje	ct (BNSF	Higher	IPI Shai	re)												
	IPI L	.+E					TL L					Dom L+	E				Total				
IM Trains	12	2K '	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	0.	.0 2	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 1	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.		0.3	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.		0.3	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	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 Additional BNSF Yard Capacity Needed	0. 0.		0.0	16.0 0.0	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 0.0	0.0	0.0	16.0 0.0	0.0	16.0 0.0
Additional BNSF Tard 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	0.7	0.4	0.0	0.0	1.1	0.0	8.0	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	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 2	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

	Scena	rio #9	- 2046	No Pi	oject															
	IPI L+E					TL L					Dom L	+E				Total				
IM Trains	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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

	Soon	aria #	100 2	046 1	u Projec	+ /Eau	al DN	CE III	וחו כ	horol										
	IPI L+		10a - 2	.040 V	v. Projed	t (Equ	ai biv	SF-UF	IPI S	riare)	Dom L	+F				Total				
IM Trains	12K	- 10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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

	Scen	ario #10	b - 204	6 w. P	roject (B	NSF H	igher II	Pl Shar	e)											
	IPI L+	E				TL L					Dom L+	ŀΕ				Total				
IM Trains	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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

	S	cenari	io #11 -	2020 N	o Proj	ect															
	ΙPΙ	I L+E					TL L					Dom L+l	E				Total				
IM Trains		12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal		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 SCIG Yard		0.0	0.0	0.0	0.0	0.0 0.0	1.2	0.6 0.0	0.0	0.0	1.8 0.0	0.0	1.1	2.3	0.0	3.4 0.0	1.2	1.7 0.0	2.3	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 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	8.0	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

	Scena	rio #12	2 - 2020) w. P	roject															
	IPI L+E					TL L					Dom L-	ŀΕ				Total				
IM Trains	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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	8.0	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

	Scen	ario #1	13 - 20	30 N	Projec	t														
	IPI L+I					TL L					Dom L	+E				Total				
IM Trains	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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

	Sce	nario #1	4 - 2030	w. Pr	oject															
	IPI L	+E				TL L					Dom L+	ŀΕ				Total				
IM Trains	128	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock YardsTotal	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		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