

Appendix G4

Intermodal Rail Analysis

(An introduction was added to Appendix G4 (Intermodal Rail Analysis) describing the tables in the Appendix and the methodology used to derive the data in the tables. Also, the line “Draft, Confidential, Attorney-Client Privilege” was removed from all Appendix G4 tables.)

Appendix G4: Intermodal Rail Analysis

In order to assess the impacts of the SCIG project on at-grade railroad crossings in the region, it was necessary to estimate train volumes by type, length and time of day for all rail lines potentially impacted by the project. The overall methodology and results for this assessment are described in Section 3.10.

Appendix G4 describes key intermediate steps in the analysis. Specifically, Appendix G4 documents the results of the intermodal train volume calculations by railroad, market segment, and railyard, and the resulting intermodal (container and trailer) train volumes by length. These volumes are then assigned to specific track segments on the regional rail network. These calculations are done in a spreadsheet model called “Train Builder”. The train volumes by track segment are then input to the separate grade crossing delay model, known as “At Grade”. The grade crossing impact model also takes into account other types of freight trains (bulk, auto, carload) as well as passenger trains, but this appendix only explains how intermodal train volumes are estimated. The SCIG project has an effect on intermodal train volumes only.

“Train Builder” estimates train volumes for the following three distinct market segments:

Direct intermodal containers from the Ports (intact marine containers that are not transloaded). This market is also known as “Inland Point Intermodal (IPI).” Shipments are made under a single ocean carrier bill of lading. Ocean carriers contract with the railroads for this service. The SCIG project will handle IPI containers only.

Transloaded containers (cargo that has been first taken out of 40-foot containers at a warehouse and then placed into 53-foot domestic containers before arriving at the railyard).

“Pure” domestic cargo in either domestic 53-foot containers or trailers (cargo that has not passed through the Ports).

It is necessary to break the volumes down by these three market segments, because each market uses a different type of intermodal railroad equipment. This impacts how trains are loaded and how long they are. The “Train Builder” model was used to estimate train volumes by length.

The parameters in “Train Builder” for estimating intermodal (containerized) rail volumes and train lengths include:

Annual Twenty-foot Equivalent Units (TEUs) handled by individual railyards

Monthly peaking factor to account for seasonal variation in cargo throughputs at the Ports

Average rail car length (depends on the mix of cars of varying lengths that make up the trains). This parameter varies by market segment

Locomotive length

Number of locomotives per train for different train lengths

Number of rail cars per train for different train lengths

Slot utilization (percentage of rail car capacity actually used by containers. For example, a five-well rail car has the capacity for 10 double-stacked containers. If only nine containers are loaded onto the car, then the slot utilization is 90%).

Distribution of trains by length (percentage of trains that are 6,000 feet, 8,000 feet, 10,000 feet, and 12,000 feet long, including locomotives)

Capacity of railyards in lifts per year

Beginning on Page G4-9 are tables showing the estimated demand by market and railyard in terms of “lifts” and then later in terms of TEUs for scenarios 1-14. The TEU volumes are identical to the figures shown in the first set of tables, which start on page G4-5. A “lift” is the movement of a container from a truck to a train or vice versa. The TEU figures represent “marine equivalent TEUs” and take into account the relative cargo-carrying capacity of marine and domestic containers. For example, a 53-foot domestic container is equivalent to 3 marine TEUs in terms of cargo-carrying capacity. A conversion factor of 1.80 TEU per lift is used for the baseline 2010 year, and a conversion factor of 1.85 TEU per lift is used for future years.

The starting point for the analysis was to estimate 2010 baseline volumes by railyard and market. These results are shown under Scenario 1 (Baseline 2010) in the following table. Volumes in TEUs are shown for IPI containers (loads and empties), transloaded (TL) containers (loads only), and pure domestic (DOM) containers and trailers (loads and empties). In the table, these three market segments are designated with the following column headings, respectively: “IPI L + E”, “TL L”, and “Dom L + E”. Total TEUs are also shown in the table and they are the sum of the values for the three separate markets. There is no evidence that there is any westbound (or exported) transload volumes from rail to marine container. The transload volumes shown in the table are all eastbound loads (imports). These 53-foot containers return either as empties or as westbound domestic cargo loads. Those volumes are counted in the Dom L + E column. IPI, direct intermodal volumes in lifts are updated annually by the railroads and provided to the ports, as well as total lifts at railyards. The analysis assumed that 27% of loaded imports through the ports are transloaded to rail (Cambridge, 2013), and therefore the pure domestic volumes were estimated as the difference between the (IPI + transloaded) lifts, and the total lifts.

Marine containers loaded or unloaded on-dock are shown in the “IPI L +E” column only, since on-dock yards do not handle transloaded or pure domestic containers. The tables show volumes in both lifts and TEUs, marked as “Demand in Lifts” and “Demand in TEUs”.

Next, the table shows the estimated number of intermodal trains by market and by length associated with the TEU volumes previously described. For example, it has been estimated that the on-dock railyards generated a total of 22.1 trains per day and the off-dock railyards (including the ICTF, which is often referred to as a “near-dock railyard”) generated an estimated 41.1 intermodal trains per day in 2010.

The table breaks down the estimated off-dock rail volumes by railyard (on-dock volumes are shown as a whole, shown in both lifts and TEUs.) As described in Chapter 3, the BNSF Railway operates intermodal terminals for containers and trailers at **Hobart Yard**

(in the City of Commerce) and at **San Bernardino**. The Union Pacific Railroad (UPRR) operates intermodal terminals at:

East Los Angeles Yard (ELA) at the west end of the UPRR Los Angeles Subdivision

Los Angeles Transportation Center (LATC) at the west end of the UPRR Alhambra Subdivision

City of Industry (COI) on the UPRR Alhambra Subdivision, and the

Intermodal Container Transfer Facility (ICTF) near the south end of the Alameda Corridor.

UPRR also has a large carload freight classification yard at West Colton (at the east end of the Alhambra Subdivision). A large auto unloading terminal is located at Mira Loma (mid-way between Pomona and West Riverside on the Los Angeles Subdivision). These facilities are not used to load containers or trailers, so they are not covered in this appendix.

In addition, both UPRR and BNSF operate trains hauling marine containers (direct intermodal) that originate or terminate at **on-dock** railyards within the POLA and POLB.

In addition to the Baseline 2010 case, the table also shows estimated volumes for several different scenarios, as listed below:

Scenario 2: Baseline 2010 With Project. This scenario superimposes the maximum SCIG volume for 2035 (maximum capacity of 2,775,000 TEUs) onto 2010 Baseline conditions. The SCIG volume consists of IPI (direct intermodal) marine containers only. It is assumed that Hobart Yard would handle 5% of BNSF's marine containers even after the SCIG is built to accommodate shipments that cannot be handled at SCIG due to low volume destinations, "missed connections" or other logistical reasons.

Scenario 3: 2016 No Project.

Scenario 4: 2016 With Project

Scenario 5: 2023 No Project

Scenario 6: 2023 With Project

Scenario 7: 2035 No Project

Scenario 8a: 2035 With Project assuming equal BNSF-UP IPI market shares

Scenario 8b: 2035 With Project assuming maximum demand for SCIG (2,755,000 TEUs) resulting in higher IPI market share for BNSF.

Scenario 9: 2046 No Project

Scenario 10a: 2046 With Project assuming equal BNSF-UP IPI market shares

Scenario 10b: 2046 With project assuming maximum demand for SCIG (2,755,000 TEUs) resulting in higher IPI market share for BNSF.

Scenario 11: 2020 No Project

Scenario 12: 2020 With Project

Scenario 13: 2030 No Project

Scenario 14: 2030 With Project

Since the Ports are assumed to be operating at capacity by 2035 there is no difference between the 2035 and 2046 IPI and Transload volumes. Pure domestic volumes, however, are assumed to continue to grow at a rate of 2% per year with or without SCIG being built. The market demand for pure domestic cargo and transload cargo is independent of a project's capacity. In the case of the SCIG project, the region's economy drives the demand for domestic and transload cargo which would grow at a rate unrelated to capacity at Hobart. A facility's capacity does not create growth in demand. It is assumed that the BNSF will ultimately improve Hobart yard to accommodate the projected demand for transload and domestic cargo, as driven by the regional economy. The SCIG project is expected to handle only direct intermodal containers from the Ports (intact marine containers that are not transloaded). This market is also known as "Inland Point Intermodal (IPI)".

In 2046, Scenario 10b, the estimated train volumes include a total of 66.3 on-dock intermodal trains per day and a total of 84.7 off-dock intermodal trains per day (including the ICTF and SCIG). The "Train Builder" model assigns projected container demand by market to railyards, taking into account the relative lift capacity of each yard. Based on railyard capacity estimates prepared independently by Parsons and by AECOM, the off-dock railyards will be able to handle the projected demand. This assumes that the off-dock railyards will be able to install wide-span gantry cranes and make other operational improvements to increase capacity. Both the SCIG and the improved ICTF railyard will employ wide span gantry cranes to improve efficiency and capacity.

SCIG DEIR Scenarios* TEUs & Trains Summary

No.	Title	Description	SCIG included ?	ICTF lmps 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	IPI L+E IM Trains					TL L IM Trains					Dom L+E IM Trains					Total IM Trains						
														12K	10K	8K	6K	Total	12K	10K	8K	6K	Total	12K	10K	8K	6K	Total	12K	10K	8K	6K	Total		
1	Baseline 2010	2010 conditions	No	No	No	2010 conditions	Small actual volume at ICTF in 2010: 3,752 lifts 48+ foot containers	On-Dock Yards Total		3,312,578			3,312,578	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		1,866,821			1,866,821	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		1,445,756			1,445,756	0.0	2.9	3.9	2.9	9.6													0.0	2.9	3.9	2.9	9.6
								Off-Dock Yards Total		1,642,151	1,917,754	3,195,640	6,755,545	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		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	23.2		
								Hobart & Commerce Yards	56.9%	807,219	505,585	1,004,236	2,317,040	0.0	1.6	2.2	1.6	5.4	0.0	1.0	1.2	0.2	2.5	0.0	1.1	4.4	1.8	7.3	0.0	3.7	7.8	3.6	15.2		
								San Bernardino Yard	64.8%	247	409,764	849,617	1,259,628	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	0.2	2.0	0.0	1.0	3.6	1.4	6.0	0.0	1.8	4.6	1.6	8.0		
								SCIG Yard	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	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	0.0	0.0	0.0	
								UP Off-Dock Yards Total		834,685	1,002,405	1,341,787	3,178,877	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	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	6.3		
								ICTF Yard	51.3%	752,386	7,356	3,900	763,642	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	0.0	1.5	2.0	1.5	5.0	
								City of Industry Yard	99.7%	185	333,828	359,698	693,711	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	54.1%	15,763	220,968	301,267	537,998	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	0.0	0.0										
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	0.0										
Total including Additional Yard Capacity Needed		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	63.2										
Total excluding Additional Yard Capacity Needed		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	63.2										

SCIG DEIR Scenarios* TEUs & Trains Summary

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	IPI L+E IM Trains					TL L IM Trains					Dom L+E IM Trains					Total IM Trains							
														12K	10K	8K	6K	Total	12K	10K	8K	6K	Total	12K	10K	8K	6K	Total	12K	10K	8K	6K	Total			
5	2023 No Project assuming equal BNSF-UP IPI market shares		No	Yes	Yes	Modified Maximum Practical Capacities at HOB&COM, ELA, LATC and COI Yards	No	On-Dock Yards Total		8,276,066			8,276,066	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		4,138,033			4,138,033	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		4,138,033			4,138,033	0.0	7.7	15.7	0.0	23.5												0.0	7.7	15.7	0.0	23.5		
								Off-Dock Yards Total		1,794,661	3,932,406	5,560,661	11,287,728	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		897,330	1,966,203	2,780,331	5,643,864	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	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	70.3%	0	589,861	834,099	1,423,960	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	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	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	0.0	0.0	0.0	0.0	0.0
								UP Off-Dock Yards Total		897,330	1,966,203	2,780,331	5,643,864	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	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	30.7%	852,464	0	0	852,464	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	0.0	1.6	3.2	0.0	4.8		
								City of Industry Yard	100.0%	0	196,620	278,033	474,653	0.0	0.0	0.0	0.0	0.0	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	68.7%	0	786,481	1,112,132	1,898,613	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	0.0	0.0	0.0	0.0	
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	0.0	0.0	0.0	0.0								
Total including Additional Yard Capacity Needed		10,070,726	3,932,406	5,560,661	19,563,793	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											
Total excluding Additional Yard Capacity Needed		10,070,726	3,932,406	5,560,661	19,563,793	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											
6	2023 With Project assuming equal BNSF-UP IPI market shares	2023 Cumulative	Yes	Yes	Yes	Modified Maximum Practical Capacities at HOB&COM, ELA, LATC and COI Yards	No	On-Dock Yards Total		8,276,066			8,276,066	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		4,138,033			4,138,033	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		4,138,033			4,138,033	0.0	7.7	15.7	0.0	23.5											0.0	7.7	15.7	0.0	23.5			
								Off-Dock Yards Total		1,794,661	3,932,406	5,560,661	11,287,728	0.0	1.8	3.4	0.0	5.2	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		897,330	1,966,203	2,780,331	5,643,864	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			
								Hobart & Commerce Yards	38.5%	44,867	1,376,342	1,946,231	3,367,440	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	70.3%	0	589,861	834,099	1,423,960	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	30.7%	852,464	0	0	852,464	0.0	0.0	0.0	0.0	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	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	0.0	0.0	0.0	0.0	
								UP Off-Dock Yards Total		897,330	1,966,203	2,780,331	5,643,864	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	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	30.7%	852,464	0	0	852,464	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	100.0%	0	196,620	278,033	474,653	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	68.7%	0	786,481	1,112,132	1,898,613	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	0.0	0.0	0.0		
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	0.0	0.0	0.0									
Total including Additional Yard Capacity Needed		10,070,726	3,932,406	5,560,661	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											
Total excluding Additional Yard Capacity Needed		10,070,726	3,932,406	5,560,661	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	2035 No Project assuming equal BNSF-UP IPI market shares		No	Yes	Yes	Modified Maximum Practical Capacities at HOB&COM, ELA, LATC and COI Yards	No	On-Dock Yards Total		11,683,706			11,683,706	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		5,841,853			5,841,853	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		5,841,853			5,841,853	0.0	10.9	22.2	0.0	33.1											0.0	10.9	22.2	0.0	33.1			
								Off-Dock Yards Total		4,059,494	6,162,460	8,242,338	18,464,292	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		2,029,747	3,081,230	4,121,169	9,232,146	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	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	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	2.7	3.2	0.0	8.1			
								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	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	0.0		
								UP Off-Dock Yards Total		2,029,747	3,081,230	4,121,169	9,232,146	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						

SCIG DEIR Scenarios* TEUs & Trains Summary

No.	Title	Description	SCIG included ?	ICTF lmp 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	IPI L+E IM Trains					TL L IM Trains					Dom L+E IM Trains					Total IM Trains							
														12K	10K	8K	6K	Total	12K	10K	8K	6K	Total	12K	10K	8K	6K	Total	12K	10K	8K	6K	Total			
8b	2035 With Project assuming maximum demand equal to capacity of SCIG giving BNSF higher IPI market share	2035 Cumulative	Yes	Yes	Yes	Modified Maximum Practical Capacities at HOB&COM, ELA, LATC and COI Yards	No	On-Dock Yards Total		11,683,706			11,683,706	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		5,841,853			5,841,853	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		5,841,853			5,841,853	0.0	10.9	22.2	0.0	33.1														0.0	10.9	22.2	0.0	33.1
								Off-Dock Yards Total		4,059,494	6,162,460	8,242,338	18,464,292	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		2,921,053	3,081,230	4,121,169	10,123,452	0.0	0.3	16.6	0.0	16.8	7.2	3.5	0.0	0.0	10.7	0.0	6.2	12.7	0.0	18.9	7.2	10.0	29.2	0.0	46.4			
								Hobart & Commerce Yards	60.7%	146,053	2,156,861	3,065,538	5,368,452	0.0	0.3	0.6	0.0	0.8	5.0	2.5	0.0	0.0	7.5	0.0	4.6	9.4	0.0	14.0	5.0	7.4	10.0	0.0	22.4			
								San Bernardino Yard	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	2.7	3.2	0.0	8.1			
								SCIG Yard	100.0%	2,775,000	0	0	2,775,000	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	0.0	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	0.0	0.0			
								UP Off-Dock Yards Total		1,138,441	3,081,230	4,121,169	8,340,840	0.0	2.1	4.3	0.0	6.5	7.2	3.5	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	98.2%	56,922	1,540,615	2,117,079	3,714,616	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	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	0.0	2.0	4.1	0.0	6.1			
								City of Industry Yard	100.0%	0	308,123	536,582	844,705	0.0	0.0	0.0	0.0	0.0	0.7	0.4	0.0	0.0	1.1	0.0	0.8	1.6	0.0	2.5	0.7	1.2	1.6	0.0	3.5			
								LATC Yard	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		0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	6,162,460	8,242,338	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	90.6	0.0	148.8											
Total excluding Additional Yard Capacity Needed		15,743,200	6,162,460	8,242,338	30,147,998																															
9	2046 No Project assuming equal BNSF-UP IPI market shares		No	Yes	Yes	Modified Maximum Practical Capacities at HOB&COM, ELA, LATC and COI Yards	No	On-Dock Yards Total		11,683,706			11,683,706	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		5,841,853			5,841,853	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		5,841,853			5,841,853	0.0	10.9	22.2	0.0	33.1													0.0	10.9	22.2	0.0	33.1	
								Off-Dock Yards Total		4,059,494	6,162,460	8,729,369	18,951,323	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		2,029,747	3,081,230	4,364,684	9,475,661	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	99.5%	2,029,747	2,156,861	3,309,053	7,495,661	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	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	2.7	3.2	0.0	8.1			
								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		0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		2,029,747	3,081,230	4,364,684	9,475,661	0.0	3.8	7.7	0.0	11.5	7.2	3.5	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	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	69.5%	1,928,260	0	0	1,928,260	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	100.0%	0	308,123	852,366	1,160,489	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	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		0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	6,162,460	8,729,369	30,635,029	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											
Total excluding Additional Yard Capacity Needed		15,743,200	6,162,460	8,729,369	30,635,029																															
10a	2046 With Project assuming projected IPI demand for SCIG and equal BNSF-UP IPI market shares	2046 Cumulative	Yes	Yes	Yes	Modified Maximum Practical Capacities at HOB&COM, ELA, LATC and COI Yards	No	On-Dock Yards Total		11,683,706			11,683,706	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		5,841,853			5,841,853	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		5,841,853			5,841,853	0.0	10.9	22.2	0.0	33.1													0.0	10.9	22.2	0.0	33.1	
								Off-Dock Yards Total		4,059,494	6,162,460	8,729,369	18,951,323	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		2,029,747	3,081,230	4,364,684	9,475,661	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	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	0.0	15.2	5.0	7.7	10.5	0.0	23.3			
								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	2.7	3.2	0.0	8.1			
								SCIG Yard	69.5%	1,928,260	0	0	1,928,260	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	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	0.0				
								UP Off-Dock Yards Total		2,029,747	3,081,230	4,364,684	9,475,661	0.0	3.8	7.7	0.0	11.5	7.2	3.5	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	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											

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

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

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

Scenario #1 - Baseline 2010					
IPI L+E	TL L	Dom L+E	Total Lifts	Util. %	
1,840,321			1,840,321		
<i>100%</i>					
1,037,123			1,037,123		
803,198			803,198		
912,306	639,251	1,091,004	2,642,561		
<i>35%</i>	<i>24%</i>	<i>41%</i>			
448,592	305,116	640,338	1,394,046		
448,455	168,528	349,491	966,474	56.9%	
137	136,588	290,847	427,572	64.8%	
0	0	0	0		
0	0	0	0		
463,714	334,135	450,666	1,248,515		
36,862	146,751	227,856	411,469	63.3%	
417,992	2,452	1,300	421,744	51.3%	
103	111,276	119,900	231,279	99.7%	
8,757	73,656	101,610	184,023	54.1%	
0	0	0	0		
0	0	0	0		
2,752,627	639,251	1,091,004	4,482,882		
2,752,627	639,251	1,091,004	4,482,882		

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

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

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

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

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

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

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

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

Scenario #4 - 2016 w. Project

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

0	0	0	0
3,856,624	923,450	1,393,227	6,173,301
3,856,624	923,450	1,393,227	6,173,301

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

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

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

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

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

Scenario #6 - 2023 w. Project

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

0	0	0	0	
5,443,636	1,310,802	1,853,554	8,607,992	
5,443,636	1,310,802	1,853,554	8,607,992	

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

<i>Scenario #1 - Baseline 2010</i>				
	IPI L+E	TL L	Dom L+E	Total TEUs
	3,312,578			3,312,578
	100%			
	1,866,821			1,866,821
	1,445,756			1,445,756
	1,642,151	1,917,754	3,195,640	6,755,545
	24%	28%	47%	
	807,466	915,349	1,853,853	3,576,668
	807,219	505,585	1,004,236	2,317,040
	247	409,764	849,617	1,259,628
	0	0	0	0
	0	0	0	0
	834,685	1,002,405	1,341,787	3,178,877
	66,352	440,252	676,923	1,183,527
	752,386	7,356	3,900	763,642
	185	333,828	359,698	693,711
	15,763	220,968	301,267	537,998
	0	0	0	0
	0	0	0	0
	4,954,729	1,917,754	3,195,640	10,068,123
	4,954,729	1,917,754	3,195,640	10,068,123

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

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

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

	0	0	0	0
	7,068,316	1,917,754	3,195,640	12,181,710
	7,068,316	1,917,754	3,195,640	12,181,710

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

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

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

0	0	0	0
7,134,754	2,770,349	4,179,682	14,084,785
7,134,754	2,770,349	4,179,682	14,084,785

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

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

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

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

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

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

0	0	0	0
10,070,726	3,932,406	5,560,661	19,563,793
10,070,726	3,932,406	5,560,661	19,563,793

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

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

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

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

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

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

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

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

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

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

IPI L+E	TL L	Dom L+E	Total TEUs
11,683,706			11,683,706
100%			
5,841,853			5,841,853
5,841,853			5,841,853
4,059,494	6,162,460	8,242,338	18,464,292
22%	33%	45%	
2,029,747	3,081,230	4,121,169	9,232,146
101,487	2,156,861	3,065,538	5,323,886
0	924,369	1,055,631	1,980,000
1,928,260	0	0	1,928,260
0	0	0	0
2,029,747	3,081,230	4,121,169	9,232,146
101,487	1,540,615	2,044,811	3,686,913
1,928,260	0	0	1,928,260
0	308,123	608,850	916,973
0	1,232,492	1,467,508	2,700,000
0	0	0	0

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Scenario #2 - Baseline 2010 w. 2035 BNSF volumes

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

Scenario #3 - 2016 No Project

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

Scenario #4 - 2016 w. Project

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

Scenario #5 - 2023 No Project

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

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

Scenario #6 - 2023 w. Project

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

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

Scenario #7 - 2035 No Project

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

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

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

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

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

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

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

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

Scenario #9 - 2046 No Project

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

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

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

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

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

Scenario #11 - 2020 No Project

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

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

Scenario #12 - 2020 w. Project

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

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

Scenario #13 - 2030 No Project																				
IM Trains	IPI L+E					TL L					Dom L+E					Total				
	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL	12K	10K	8K	6K	TOTAL
On-Dock Yards Total	0.0	20.5	41.6	0.0	62.1											0.0	20.5	41.6	0.0	62.1
On-Dock Yards BNSF Total	0.0	10.2	20.8	0.0	31.1											0.0	10.2	20.8	0.0	31.1
On-Dock Yards UP Total	0.0	10.2	20.8	0.0	31.1											0.0	10.2	20.8	0.0	31.1
Off-Dock Yards Total	0.0	5.4	10.9	0.0	16.3	12.6	6.2	0.0	0.0	18.8	0.0	11.0	22.4	0.0	33.4	12.6	22.6	33.3	0.0	68.6
BNSF Off-Dock Yards Total	0.0	2.7	5.5	0.0	8.1	6.3	3.1	0.0	0.0	9.4	0.0	5.5	11.2	0.0	16.7	6.3	11.3	16.7	0.0	34.3
Hobart & Commerce Yards	0.0	2.7	5.5	0.0	8.1	4.4	2.2	0.0	0.0	6.6	0.0	3.9	7.8	0.0	11.7	4.4	8.7	13.3	0.0	26.4
San Bernardino Yard	0.0	0.0	0.0	0.0	0.0	1.9	0.9	0.0	0.0	2.8	0.0	1.7	3.4	0.0	5.0	1.9	2.6	3.4	0.0	7.8
SCIG Yard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Additional BNSF Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
UP Off-Dock Yards Total	0.0	2.7	5.5	0.0	8.1	6.3	3.1	0.0	0.0	9.4	0.0	5.5	11.2	0.0	16.7	6.3	11.3	16.7	0.0	34.3
East L.A. Yard	0.0	0.1	0.3	0.0	0.4	3.2	1.6	0.0	0.0	4.7	0.0	2.8	5.6	0.0	8.4	3.2	4.4	5.9	0.0	13.5
ICTF Yard	0.0	2.6	5.2	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.2	0.0	7.7
City of Industry Yard	0.0	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.9	0.0	0.6	1.1	0.0	1.7	0.6	0.9	1.1	0.0	2.6
LATC Yard	0.0	0.0	0.0	0.0	0.0	2.5	1.2	0.0	0.0	3.8	0.0	2.2	4.5	0.0	6.7	2.5	3.4	4.5	0.0	10.5
Additional UP Yard Capacity Needed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
All Rail Yards Total	0.0	25.9	52.5	0.0	78.4	12.6	6.2	0.0	0.0	18.8	0.0	11.0	22.4	0.0	33.4	12.6	43.1	74.9	0.0	130.7

Scenario #14 - 2030 w. Project

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

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