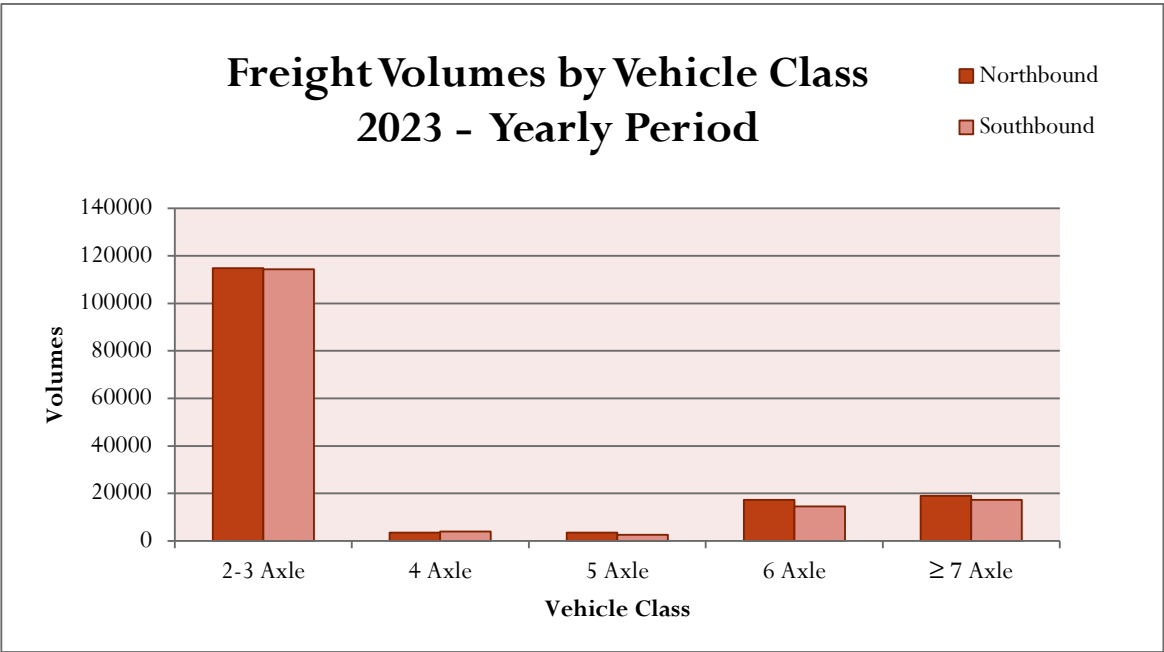
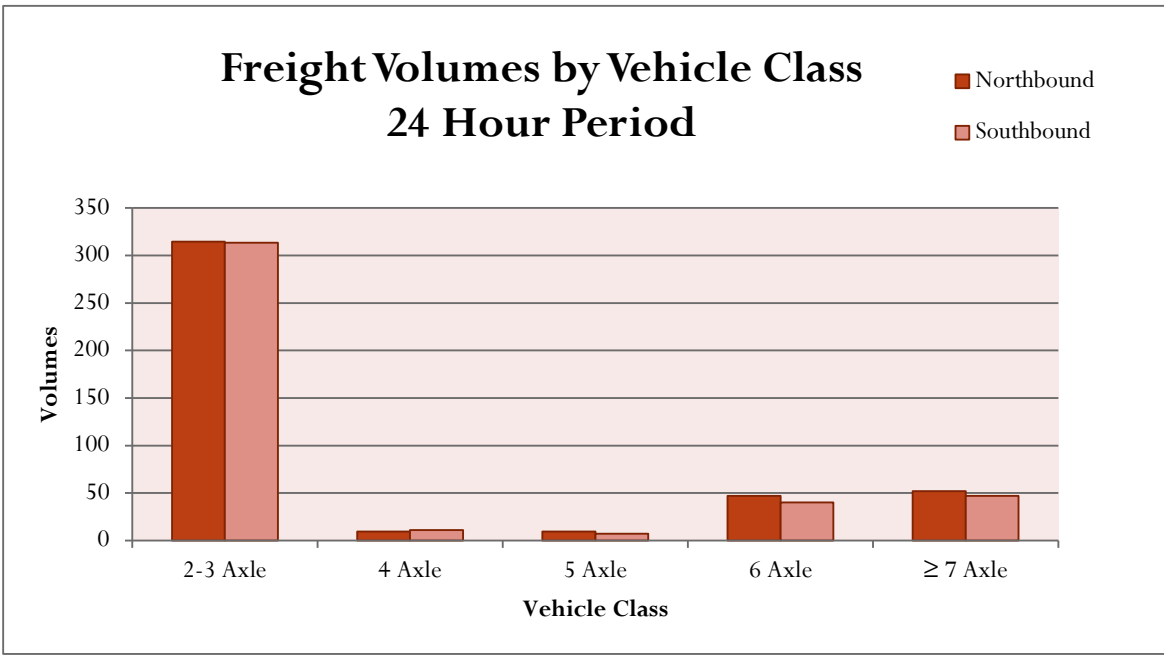
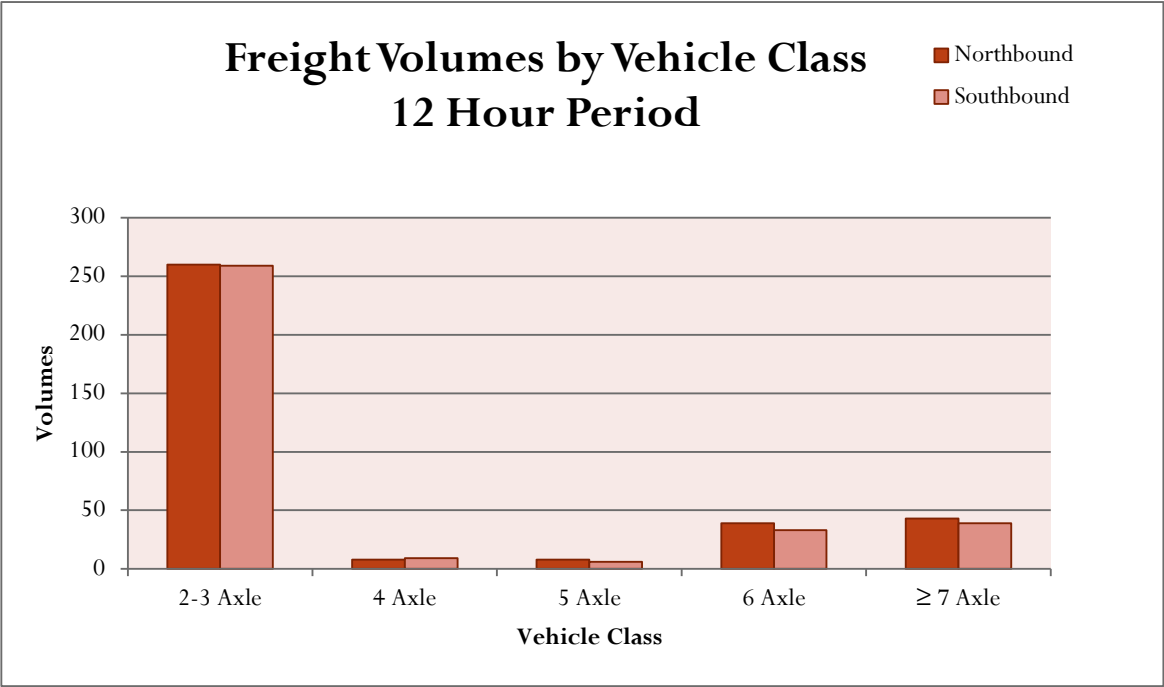


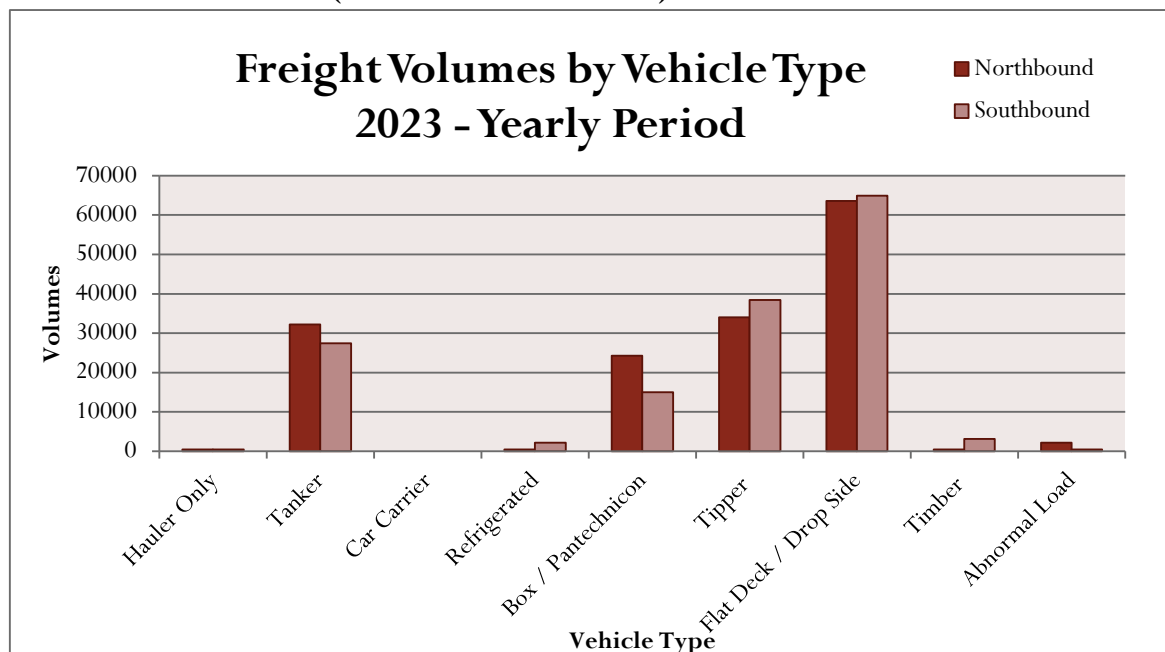
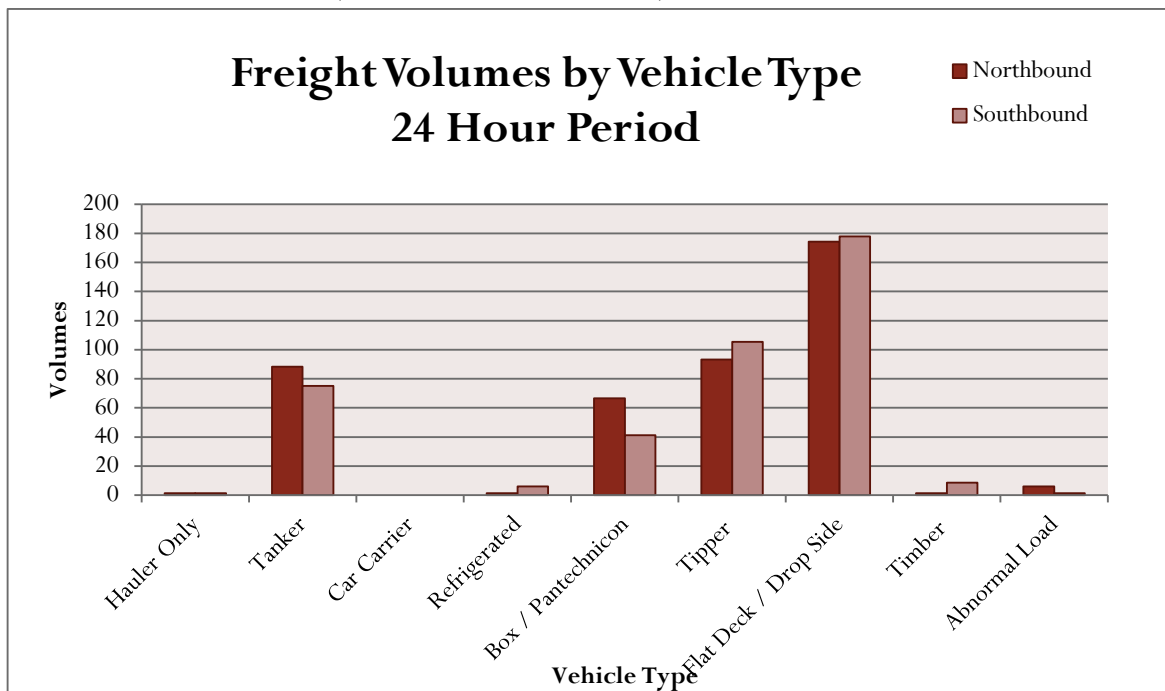
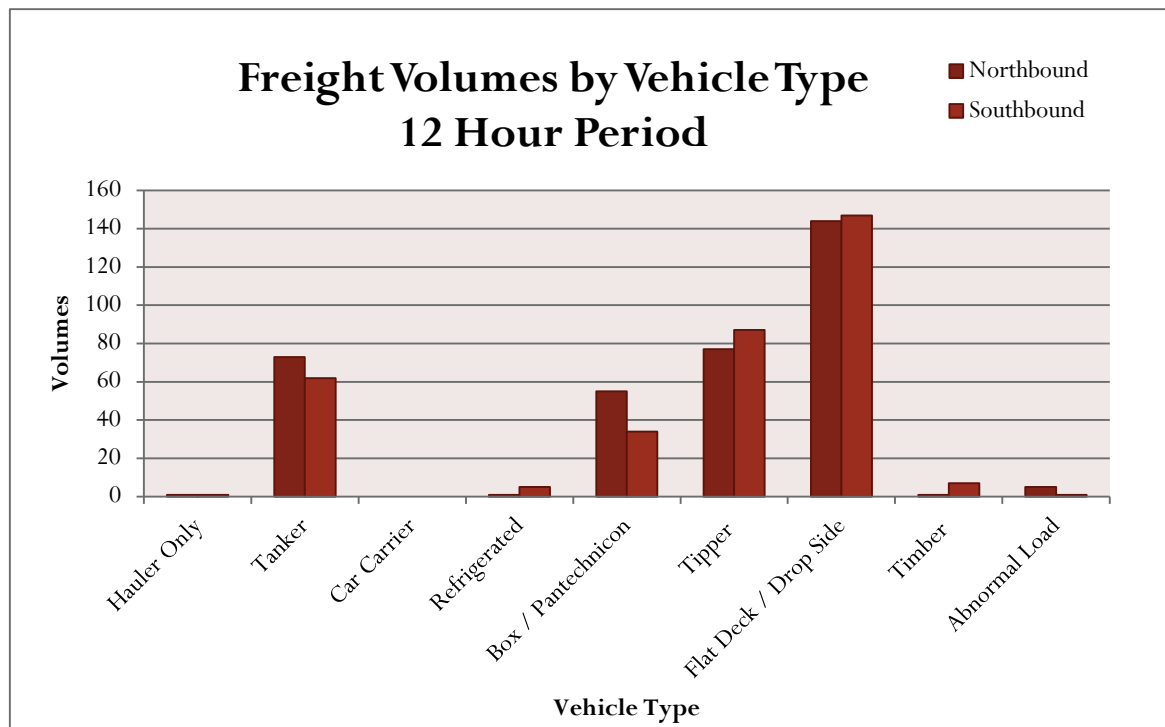
TRAFFIC HIGHLIGHTS OF SITE 1264				
1.1	Site Identifier	1264		
1.2	Site Name	Merrivale North		
1.3	Site Description	Between Merrivale & Boston		
1.4	Road Description	Route : R 617 Road : MR 7 Section : Distance : 4.1km		
1.5	GPS Position	30 13 20.0E -29 31 32.0S		
1.6	Number of Lanes	2		
1.7	Station Type	Permanent		
1.8	Requested Period	2022/01/01 - 2022/12/31		
1.9	Length of record requested (hours)	8760		
1.10	Actual First & Last Dates	2022/01/01 - 2022/12/31		
1.11	Actual available good data (hours)	8755		
1.12	Percentage good data available for requested period	99.9		
		To Howick	To Boston	Total
2.1a	Total number of vehicles (counted)	1867643	1894358	3762001
2.1b	Total number of vehicles (projected for period)	1868614	1895342	3763956
2.2	Average daily traffic (ADT)	5119	5193	10312
2.3	Average daily truck traffic (ADTT)	346	355	701
2.4	Percentage of trucks	6.8	6.8	6.8
2.5	Truck split % (short:medium:long)	53 : 25 : 22	53 : 26 : 21	52 : 26 : 22
2.6	Percentage of night traffic (20:00 - 06:00)	10.4	10.5	10.5
3.1	Speed limit (km/hr)	80		
3.2	Average speed (km/hr)	75.1	70.5	72.8
3.3	Average speed - light vehicles (km/hr)	75.6	71.0	73.3
3.4	Average speed - heavy vehicles (km/hr)	68.3	62.4	65.3
3.5	Average night speed (km/hr)	75.3	69.4	72.3
3.6	15th centile speed (km/hr)	61.9	57.9	59.9
3.7	85th centile speed (km/hr)	89.0	83.0	87.0
3.8	Percentage vehicles in excess of speed limit	33.6	18.9	26.2
4.1	Percentage vehicles in flows over 600 vehicles/hr	9.0	9.4	63.1
4.2	Highest volume on the road (vehicles/hr)	2022/12/23 18:00:00		1376
4.3	Highest volume in the North (vehs/hr)	2022/02/28 08:00:00		800
4.4	Highest volume in the South (vehs/hr)	2022/04/29 18:00:00		910
4.5	Highest volume in a lane (vehicles/hr)	2022/04/29 18:00:00		910
4.6	15th highest volume on the road (vehicles/hr)	2022/03/11 18:00:00		1189
4.7	15th highest volume in the North direction (vehs/hr)	2022/01/24 08:00:00		734
4.8	15th highest volume in the South direction (vehs/hr)	2022/04/29 17:00:00		766
4.9	30th highest volume on the road (vehicles/hr)	2022/04/05 08:00:00		1136
4.10	30th highest volume in the North direction (vehs/hr)	2022/04/28 08:00:00		714
4.11	30th highest volume in the South direction (vehs/hr)	2022/12/06 18:00:00		736
5.1	Percentage of vehicles less than 2s behind vehicle ahead	28.3	20.6	24.4
6.1	Total number of heavy vehicles (projected for period)	126446	129400	255846
6.2	Estimated average number of axles per truck	3.3	3.4	3.4
6.3	Estimated truck mass (Ton/truck)	15.7	18.6	17.2
6.4	Estimated average E80/truck	0.9	1.5	1.2
6.5	Estimated daily E80 on the road	847		
6.6	Estimated daily E80 in the North direction	296		
6.7	Estimated daily E80 in the South direction	541		
6.8	Actual average daily E80 in the worst North lane	257		
6.9	Actual average daily E80 in the worst South lane	520		
6.10	Actual average Axles/Truck (Short:Medium:Long)	(2.4 : 2.5 : 6.5)	(2.4 : 2.8 : 6.6)	(2.4 : 2.7 : 6.5)
6.11	Actual average Mass/Truck (Short:Medium:Long)	(10.6 : 12.4 : 31.6)	(11.7 : 17.7 : 36.6)	(11.2 : 15.3 : 34.2)
6.12	Actual average E80s/Truck (Short:Medium:Long)	(0.6 : 0.7 : 1.7)	(0.7 : 1.9 : 3.0)	(0.7 : 1.4 : 2.4)

L/H/Volume Report

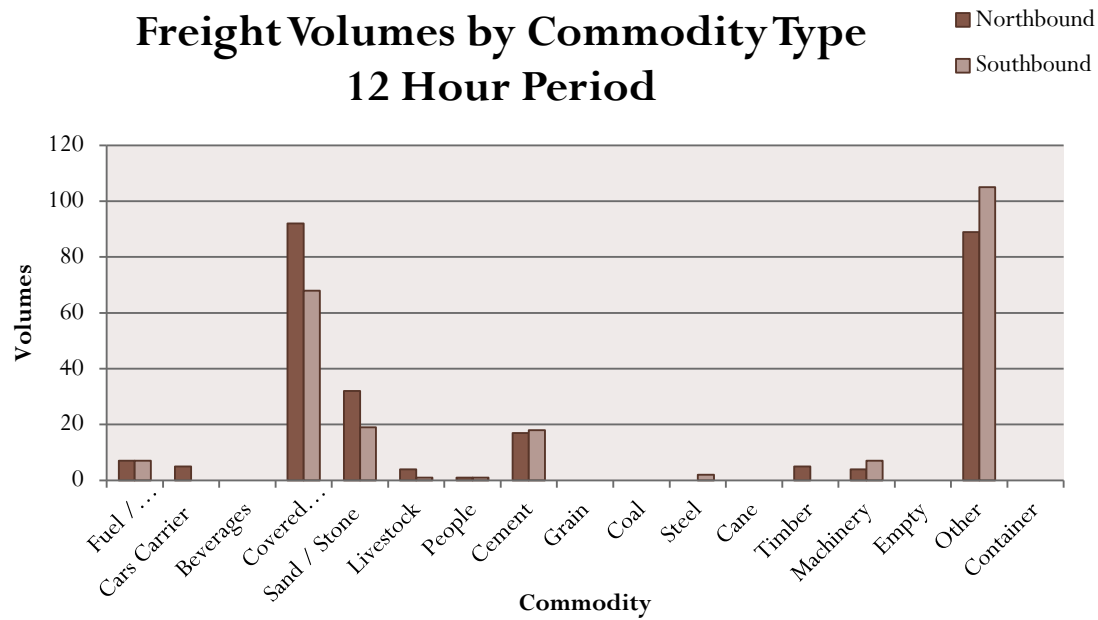
Date : 2023/10/02
Site : 1264 - Merrivale North
Description : Between Merrivale & Boston

Date	Time	Dur.	Lane 1			Lane 2			To Howick			To Boston		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	4892	398	5290	4754	459	5213	4892	398	5290	4754	459	5213
231003	00:00	24:00	4941	471	5412	5018	510	5528	4941	471	5412	5018	510	5528
231004	00:00	24:00	4765	470	5235	4861	499	5360	4765	470	5235	4861	499	5360
231005	00:00	24:00	4676	499	5175	4801	526	5327	4676	499	5175	4801	526	5327
231006	00:00	24:00	5181	442	5623	5887	469	6356	5181	442	5623	5887	469	6356
231007	00:00	24:00	5041	302	5343	5243	327	5570	5041	302	5343	5243	327	5570
231008	00:00	24:00	4577	178	4755	3707	187	3894	4577	178	4755	3707	187	3894

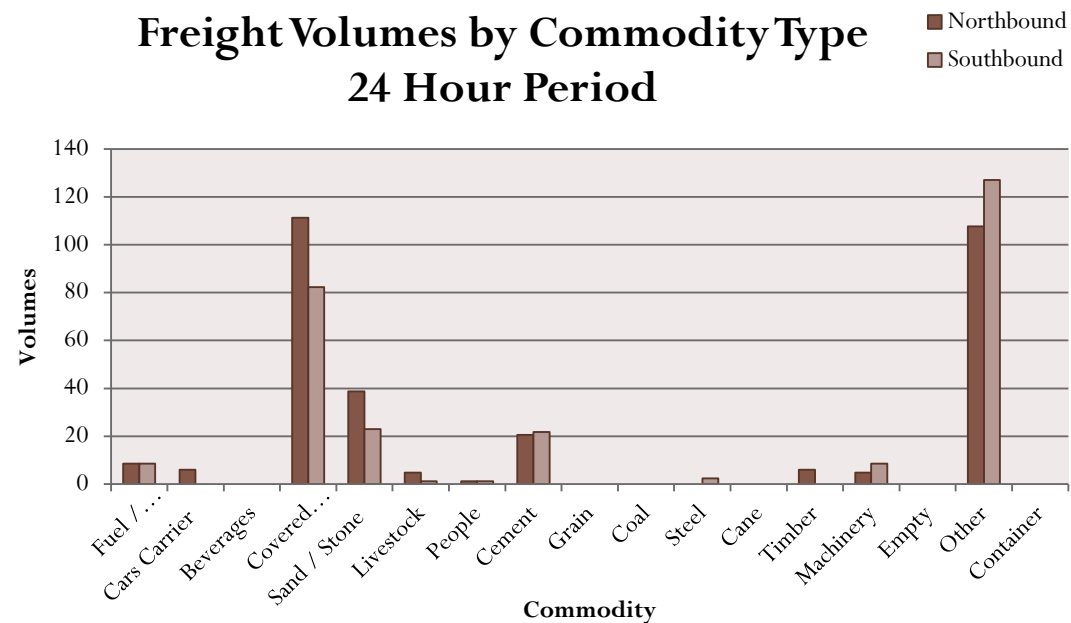




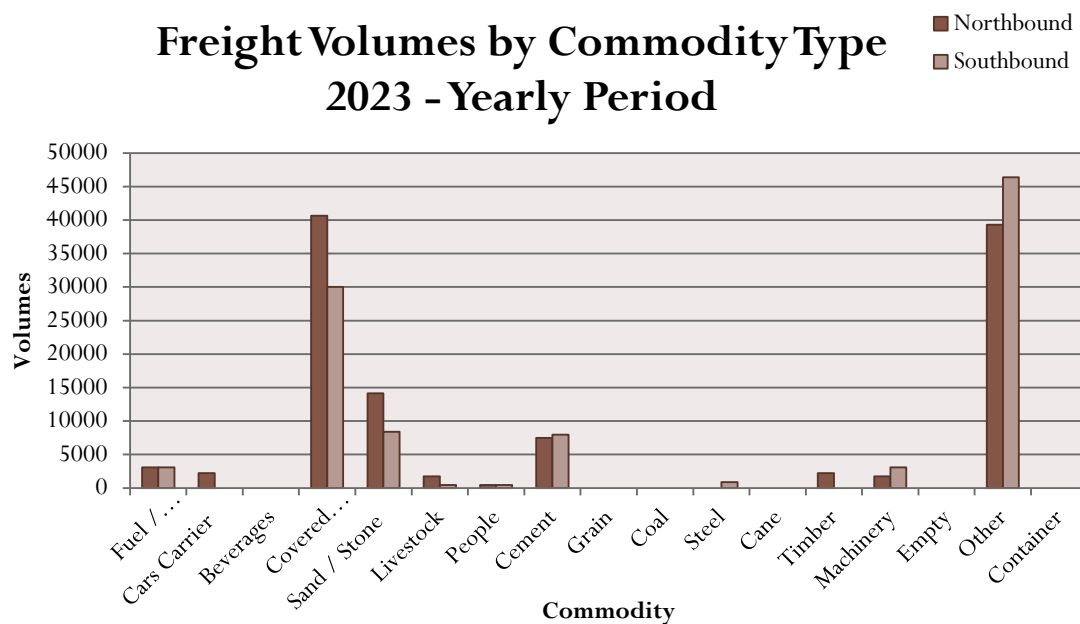
Freight Volumes by Commodity Type 12 Hour Period

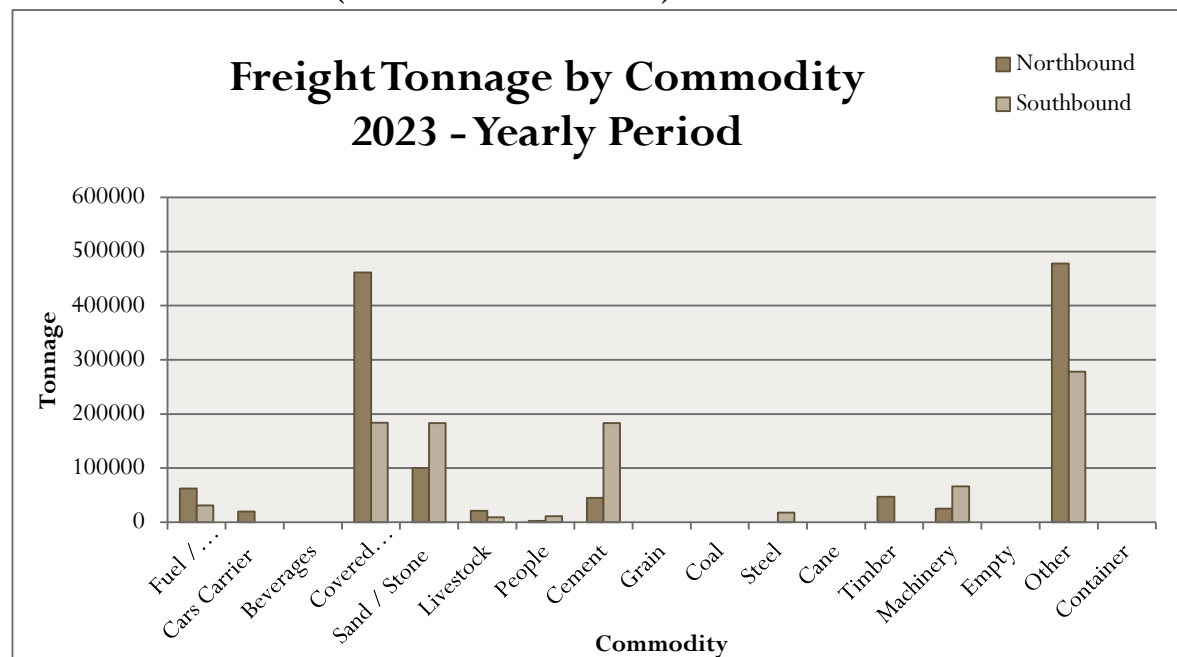
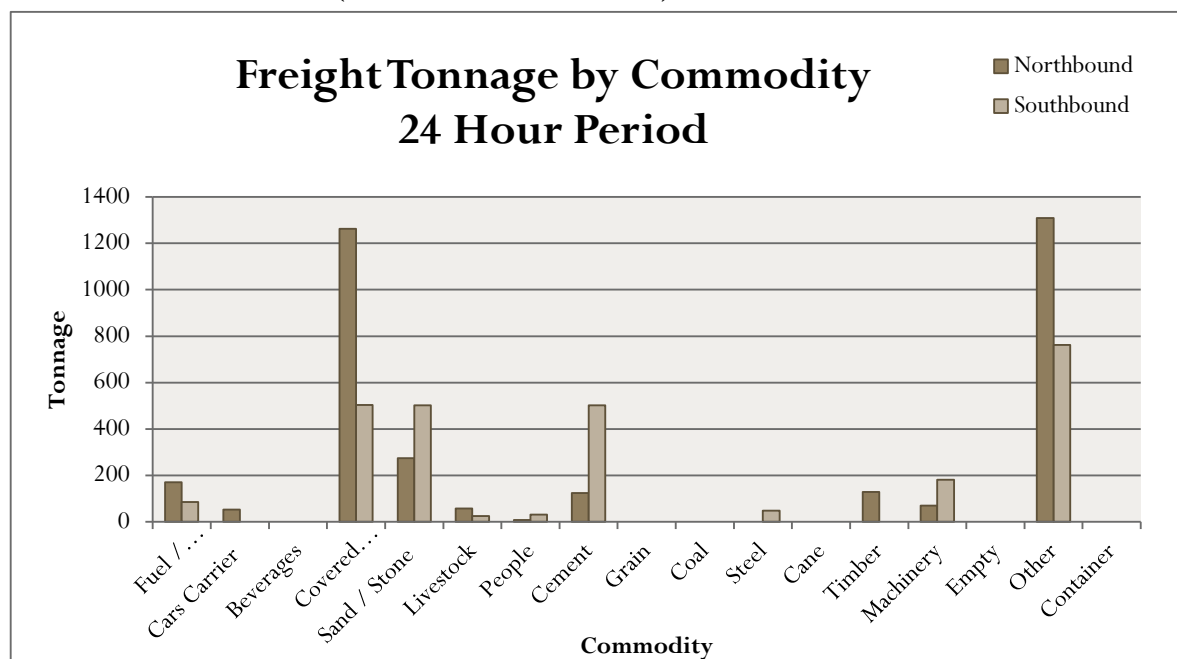
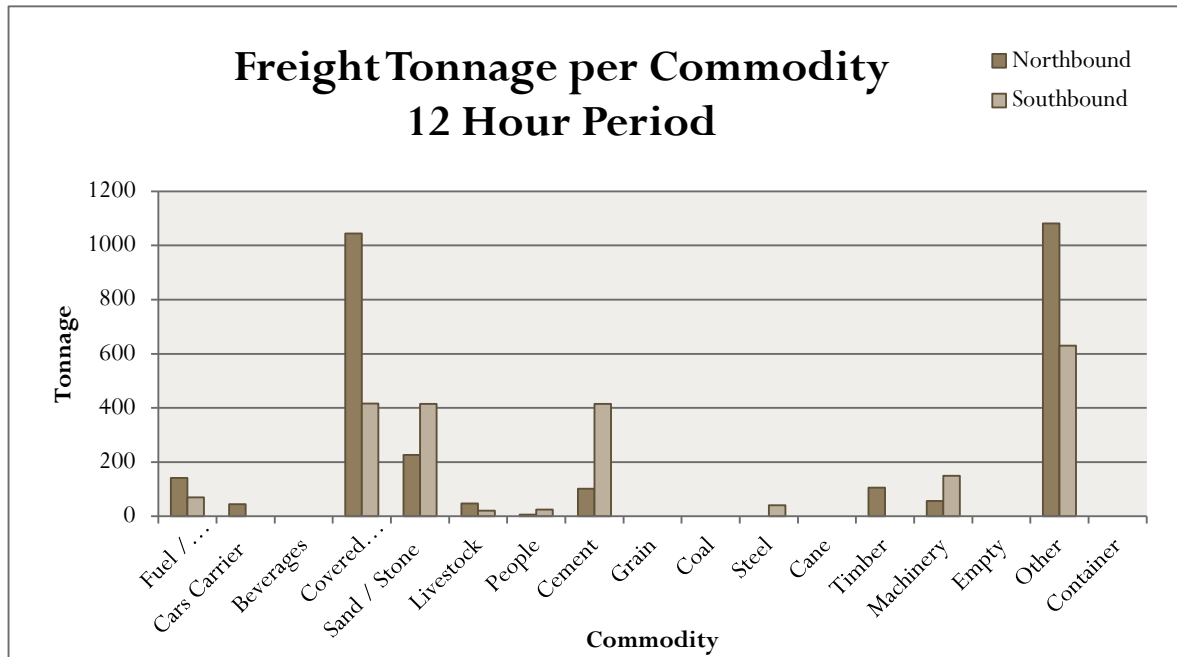


Freight Volumes by Commodity Type 24 Hour Period



Freight Volumes by Commodity Type 2023 - Yearly Period





002 Merrivale (R617 Merrivale to Boston)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 16-08-2023	
Northbound							Southbound						
	2-3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total		2-3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total
Fuel / Chemicals	6	0	0	60	75	141	Fuel / Chemicals	0	70	0	0	0	70
Cars Carrier	24	0	0	20	0	44	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	384	0	0	160	500	1044	Covered Load / Sail or Tarp	396	20	0	0	0	416
Sand / Stone	162	30	15	20	0	227	Sand / Stone	0	0	30	160	225	415
Livestock	12	0	15	20	0	47	Livestock	0	0	0	20	0	20
People	6	0	0	0	0	6	People	0	0	0	0	25	25
Cement	102	0	0	0	0	102	Cement	0	0	15	100	300	415
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	0	0	Coal	0	0	0	0	0	0
Steel	0	0	0	0	0	0	Steel	0	0	15	0	25	40
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	6	0	0	0	100	106	Timber	0	0	0	0	0	0
Machinery	12	0	0	20	25	57	Machinery	0	0	0	100	50	150
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	312	20	30	420	300	1082	Other	630	0	0	0	0	630
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

002 Merrivale (R617 Merrivale to Boston)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 16-08-2023	
Northbound							Southbound						
	3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total		3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total
Fuel / Chemicals	7	0	0	73	91	171	Fuel / Chemicals	0	85	0	0	0	85
Cars Carrier	29	0	0	24	0	53	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	465	0	0	194	605	1263	Covered Load / Sail or Tarp	479	24	0	0	0	503
Sand / Stone	196	36	18	24	0	275	Sand / Stone	0	0	36	194	272	502
Livestock	15	0	18	24	0	57	Livestock	0	0	0	24	0	24
People	7	0	0	0	0	7	People	0	0	0	0	30	30
Cement	123	0	0	0	0	123	Cement	0	0	18	121	363	502
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	0	0	Coal	0	0	0	0	0	0
Steel	0	0	0	0	0	0	Steel	0	0	18	0	30	48
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	7	0	0	0	121	128	Timber	0	0	0	0	0	0
Machinery	15	0	0	24	30	69	Machinery	0	0	0	121	61	182
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	378	24	36	508	363	1309	Other	762	0	0	0	0	762
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

3456

2639

002 Merrivale (R617 Merrivale to Boston)													
Freight Tonnage by Commodity by Vehicle Class (Yearly Period)													
Northbound							Southbound						
	3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total		3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total
Fuel / Chemicals	2650	0	0	26499	33124	62273	Fuel / Chemicals	0	30916	0	0	0	30916
Cars Carrier	10600	0	0	8833	0	19433	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	169594	0	0	70664	220825	461083	Covered Load / Sail or Tarp	174893	8833	0	0	0	183726
Sand / Stone	71547	13250	6625	8833	0	100255	Sand / Stone	0	0	13250	70664	99371	183285
Livestock	5300	0	6625	8833	0	20758	Livestock	0	0	0	8833	0	8833
People	2650	0	0	0	0	2650	People	0	0	0	0	11041	11041
Cement	45048	0	0	0	0	45048	Cement	0	0	6625	44165	132495	183285
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	0	0	Coal	0	0	0	0	0	0
Steel	0	0	0	0	0	0	Steel	0	0	6625	0	11041	17666
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	2650	0	0	0	44165	46815	Timber	0	0	0	0	0	0
Machinery	5300	0	0	8833	11041	25174	Machinery	0	0	0	44165	22083	66248
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	137795	8833	13250	185493	132495	477865	Other	278240	0	0	0	0	278240
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

002 Merrivale (R617 Merrivale to Boston)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 16-08-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle						0	2 Axle						0
3 Axle						0	3 Axle						0
4 Axle						0	4 Axle						0
5 Axle						0	5 Axle		1				2
6 Axle						0	6 Axle						0
≥ 7 Axle						0	≥ 7 Axle						0
TOTAL						0	TOTAL						2

002 Merrivale (R617 Merrivale to Boston)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 16-08-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	0	0	0	0	0	0	2 Axle	0	0	0	0	0	0
3 Axle	0	0	0	0	0	0	3 Axle	0	0	0	0	0	0
4 Axle	0	0	0	0	0	0	4 Axle	0	0	0	0	0	0
5 Axle	0	0	0	0	0	0	5 Axle	0	1	0	0	0	2
6 Axle	0	0	0	0	0	0	6 Axle	0	0	0	0	0	0
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						0	TOTAL						2

002 Merrivale (R617 Merrivale to Boston)													
Twenty Foot Equivalent Unit (TEU) (Yearly Period)													
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	0	0	0	0	0	0	2 Axle	0	0	0	0	0	0
3 Axle	0	0	0	0	0	0	3 Axle	0	0	0	0	0	0
4 Axle	0	0	0	0	0	0	4 Axle	0	0	0	0	0	0
5 Axle	0	0	0	0	0	0	5 Axle	0	442	0	0	0	883
6 Axle	0	0	0	0	0	0	6 Axle	0	0	0	0	0	0
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						0	TOTAL						883