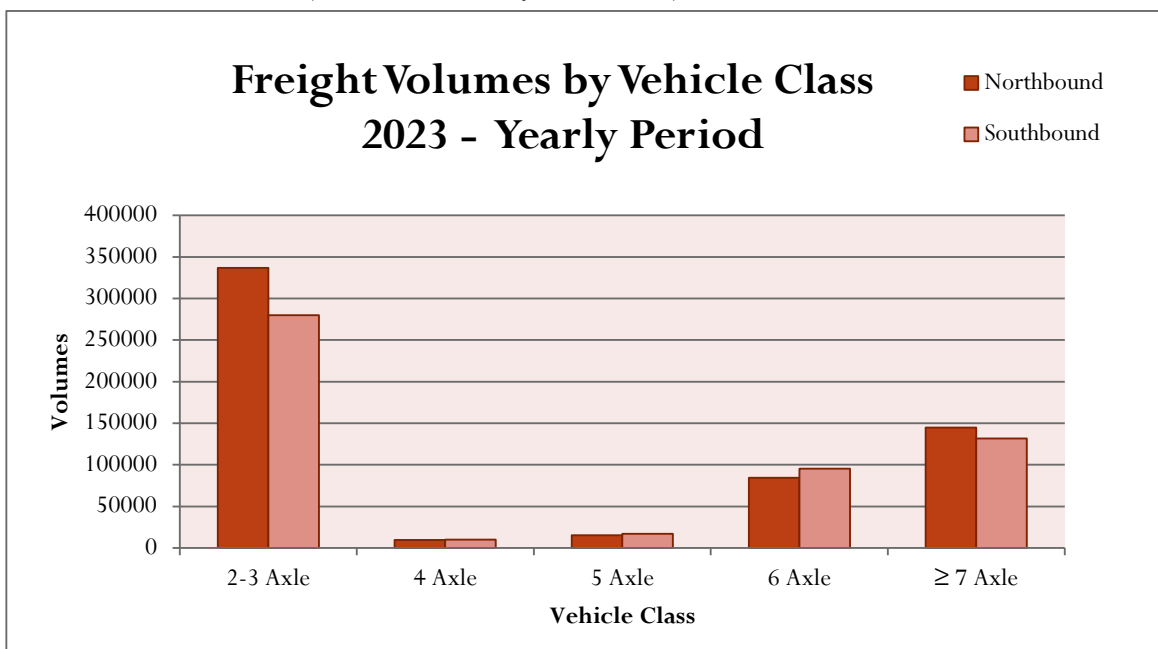
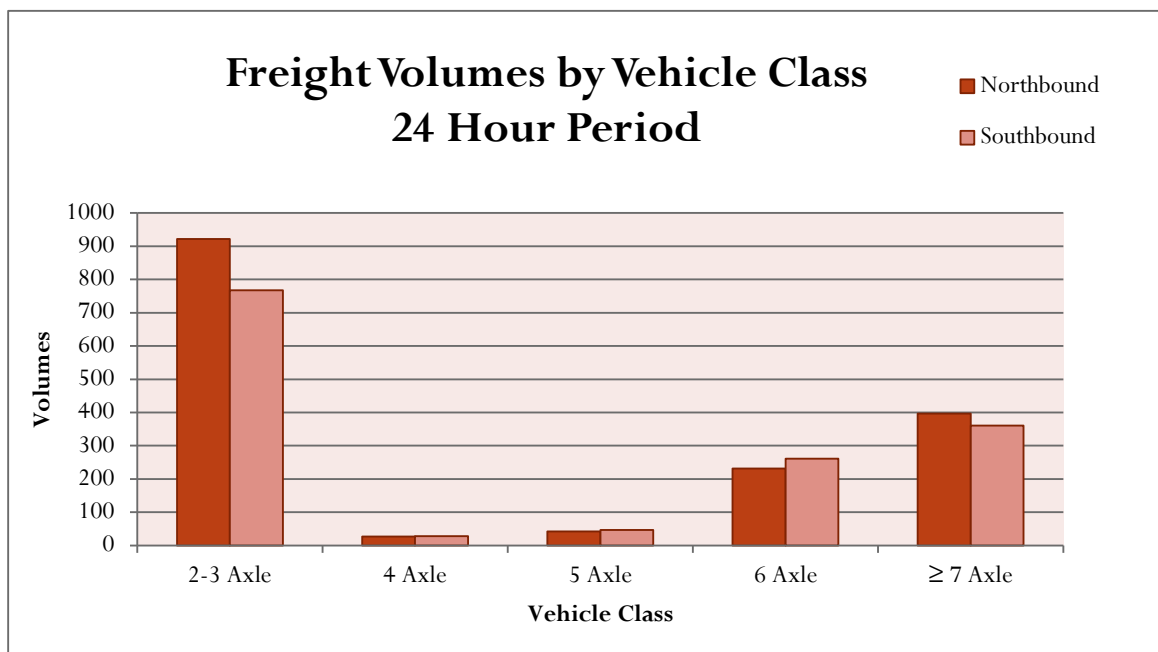
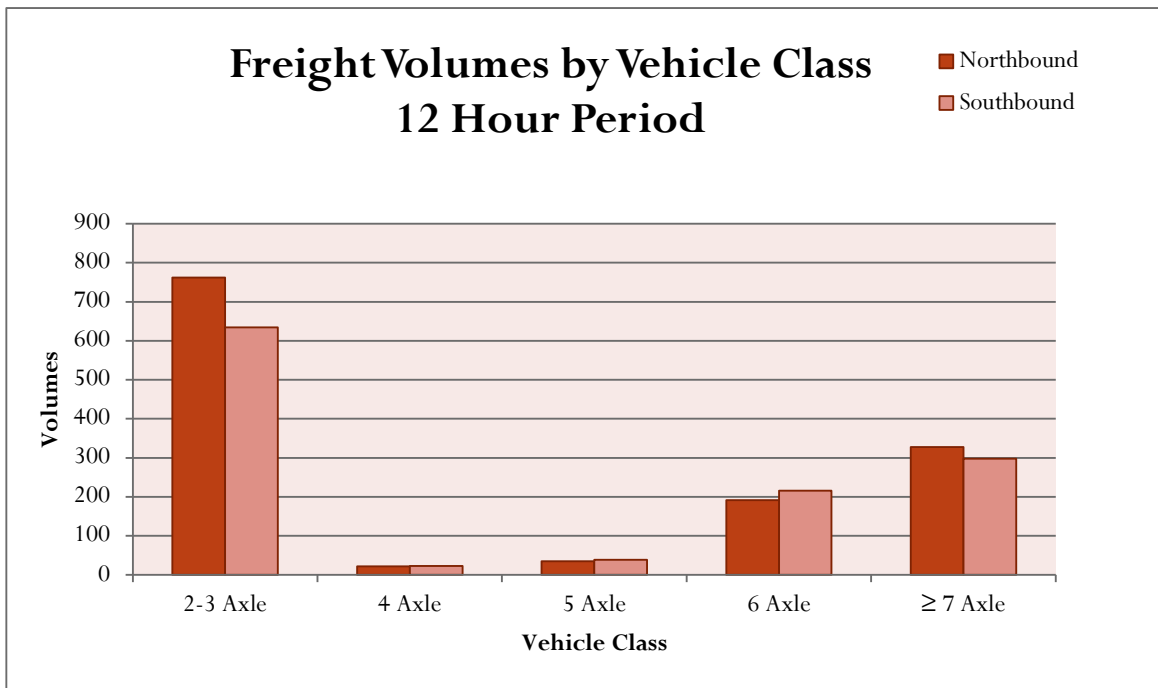


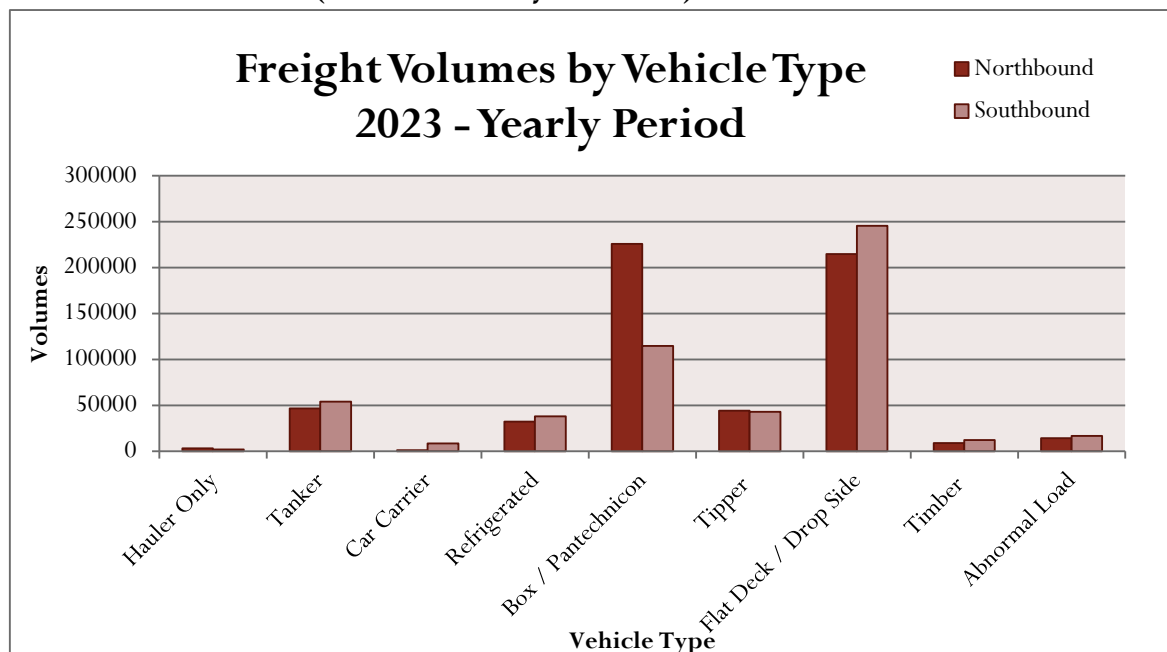
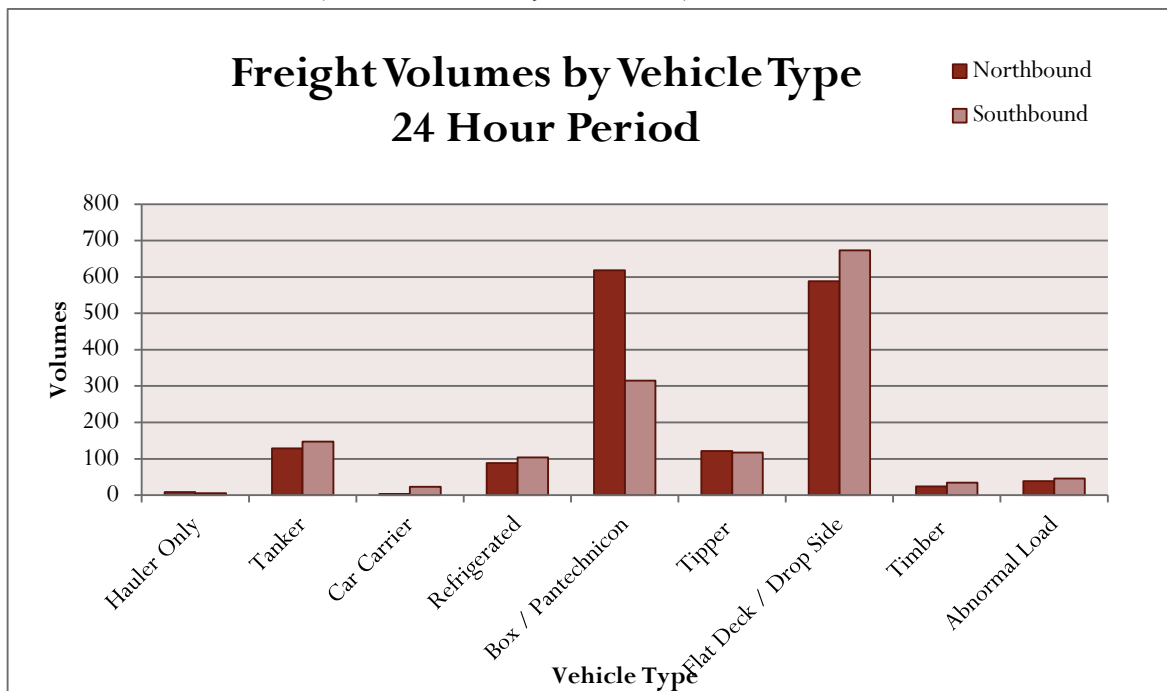
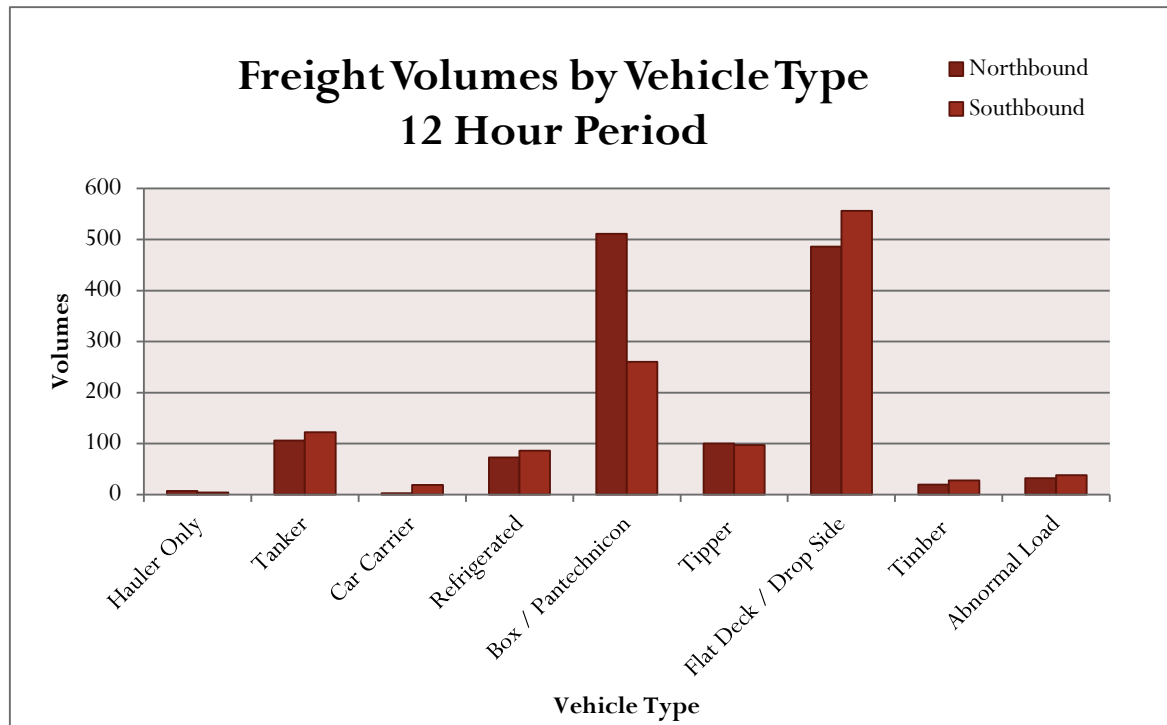
TRAFFIC HIGHLIGHTS OF SITE 2230			
1.1	Site Identifier	2230	
1.2	Site Name	Mvoti Plaza 1	
1.3	Site Description	Between Tinley Manor I/C and Groutville I/C	
1.4	Road Description	Route : N002 Road : N002 Section : 27 Distance : 21.6km	
1.5	GPS Position	31 16 44.1E -29 24 47.4S	
1.6	Number of Lanes	4	
1.7	Station Type	Permanent Toll	
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)	8471	
1.12	Percentage good data available for requested period	96.7	
		To Richards Bay	Total
2.1a	Total number of vehicles (counted)	5066662	10144596
2.1b	Total number of vehicles (projected for period)	5199539	10373755
2.2	Average daily traffic (ADT)	14245	28421
2.3	Average daily truck traffic (ADTT)	1670	3291
2.4	Percentage of trucks	11.7	11.6
2.5	Truck split % (short:medium:long)	34 : 18 : 48	35 : 17 : 48
2.6	Percentage of night traffic (20:00 - 06:00)	11.9	11.2
3.1	Speed limit (km/hr)		120
3.2	Average speed (km/hr)	103.0	102.8
3.3	Average speed - light vehicles (km/hr)	106.0	105.9
3.4	Average speed - heavy vehicles (km/hr)	79.9	79.1
3.5	Average night speed (km/hr)	97.6	96.9
3.6	15th centile speed (km/hr)	81.9	81.9
3.7	85th centile speed (km/hr)	122.0	122.0
3.8	Percentage vehicles in excess of speed limit	17.1	17.2
4.1	Percentage vehicles in flows over 600 vehicles/hr	82.6	92.7
4.2	Highest volume on the road (vehicles/hr)	2022/07/15 17:00:00	3187
4.3	Highest volume in the North-East (vehs/hr)	2022/12/23 17:00:00	1836
4.4	Highest volume in the South-West (vehs/hr)	2022/07/29 16:00:00	1663
4.5	Highest volume in a lane (vehicles/hr)	2022/07/29 16:00:00	991
4.6	15th highest volume on the road (vehicles/hr)	2022/08/05 17:00:00	3024
4.7	15th highest volume in the North-East direction (vehs/hr)	2022/09/23 18:00:00	1573
4.8	15th highest volume in the South-West direction (vehs/hr)	2022/05/02 17:00:00	1580
4.9	30th highest volume on the road (vehicles/hr)	2022/01/28 17:00:00	2940
4.10	30th highest volume in the North-East direction (vehs/hr)	2022/09/16 17:00:00	1503
4.11	30th highest volume in the South-West direction (vehs/hr)	2022/03/25 17:00:00	1540
5.1	Percentage of vehicles less than 2s behind vehicle ahead		
6.1	Total number of heavy vehicles (projected for period)	609700	1201297
6.2	Estimated average number of axles per truck	4.9	4.9
6.3	Estimated truck mass (Ton/truck)	28.4	28.3
6.4	Estimated average E80/truck	1.7	1.6
6.5	Estimated daily E80 on the road		5434
6.6	Estimated daily E80 in the North-East direction		2767
6.7	Estimated daily E80 in the South-West direction		2667
6.8	Estimated daily E80 in the worst North-East lane		2628
6.9	Estimated daily E80 in the worst South-West lane		2525
6.10	ASSUMPTION on Axles/Truck (Short:Medium:Long)		(2.0 : 5.0 : 7.0)
6.11	ASSUMPTION on Mass/Truck (Short:Medium:Long)		(10.9 : 31.5 : 39.8)
6.12	ASSUMPTION on E80s/Truck (Short:Medium:Long)		(0.6 : 2.5 : 2.1)

L/H/Volume Report

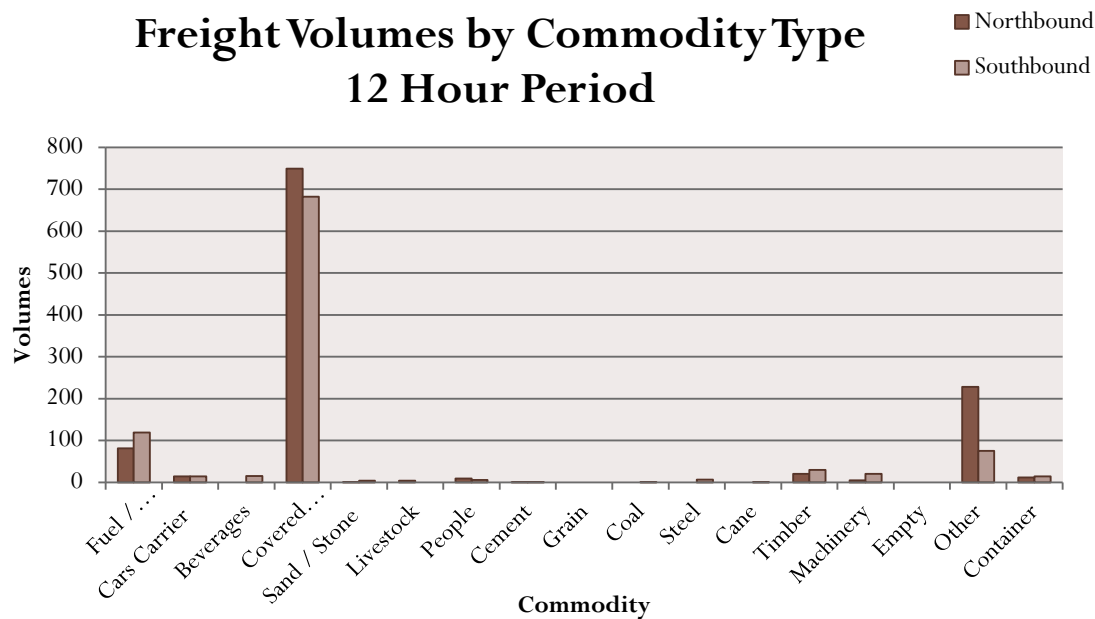
Date : 2023/10/02
Site : 2230 - Mvoti Plaza 1
Description : Between Tinley Manor I/C and Groutville I/C

Date	Time	Dur.	Lane 1			Lane 2			Lane 3			Lane 4			To Richards Bay			To Durban		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	6685	1649	8334	6199	119	6318	6971	128	7099	6250	1524	7774	12884	1768	14652	13221	1652	14873
231003	00:00	24:00	6245	1791	8036	6083	117	6200	6601	160	6761	5545	1766	7311	12328	1908	14236	12146	1926	14072
231004	00:00	24:00	6196	1911	8107	6268	149	6417	6749	137	6886	5521	1836	7357	12464	2060	14524	12270	1973	14243
231005	00:00	24:00	6271	1970	8241	6542	174	6716	7322	159	7481	5604	1949	7553	12813	2144	14957	12926	2108	15034
231006	00:00	24:00	7331	1849	9180	7675	164	7839	8352	179	8531	6237	1863	8100	15006	2013	17019	14589	2042	16631
231007	00:00	24:00	7381	1252	8633	5872	74	5946	6790	90	6880	6458	1277	7735	13253	1326	14579	13248	1367	14615
231008	00:00	24:00	6693	841	7534	4895	67	4962	5911	48	5959	6229	882	7111	11588	908	12496	12140	930	13070

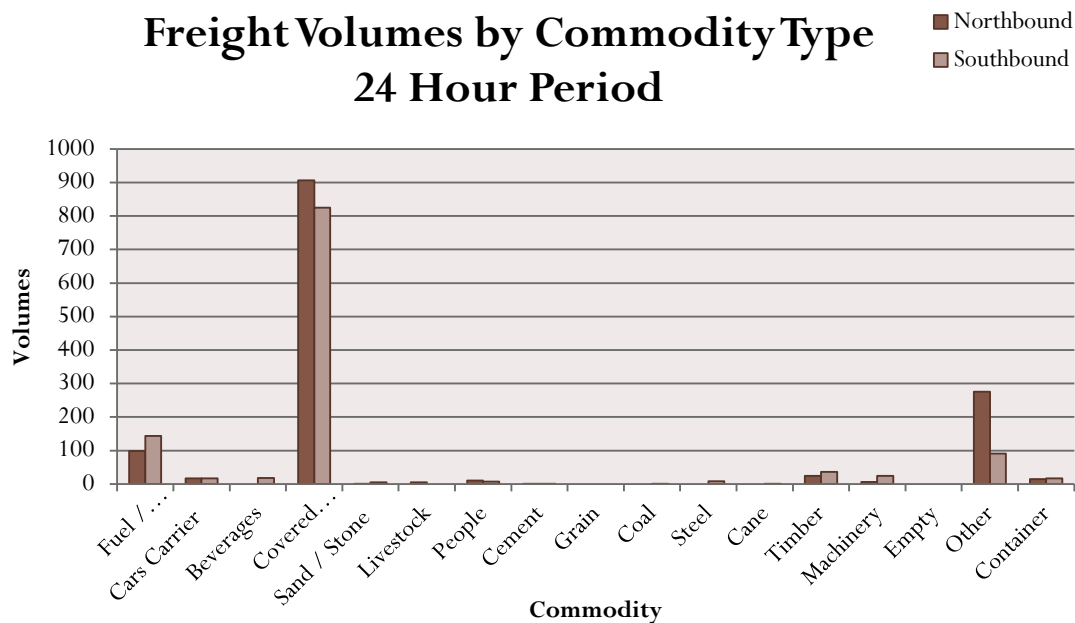




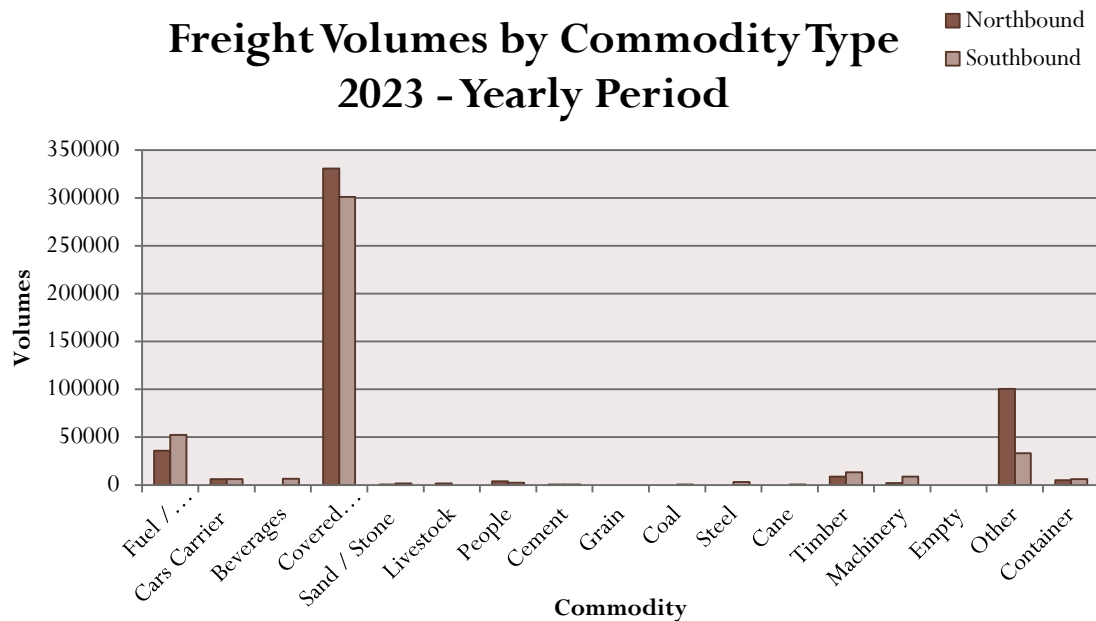
Freight Volumes by Commodity Type 12 Hour Period

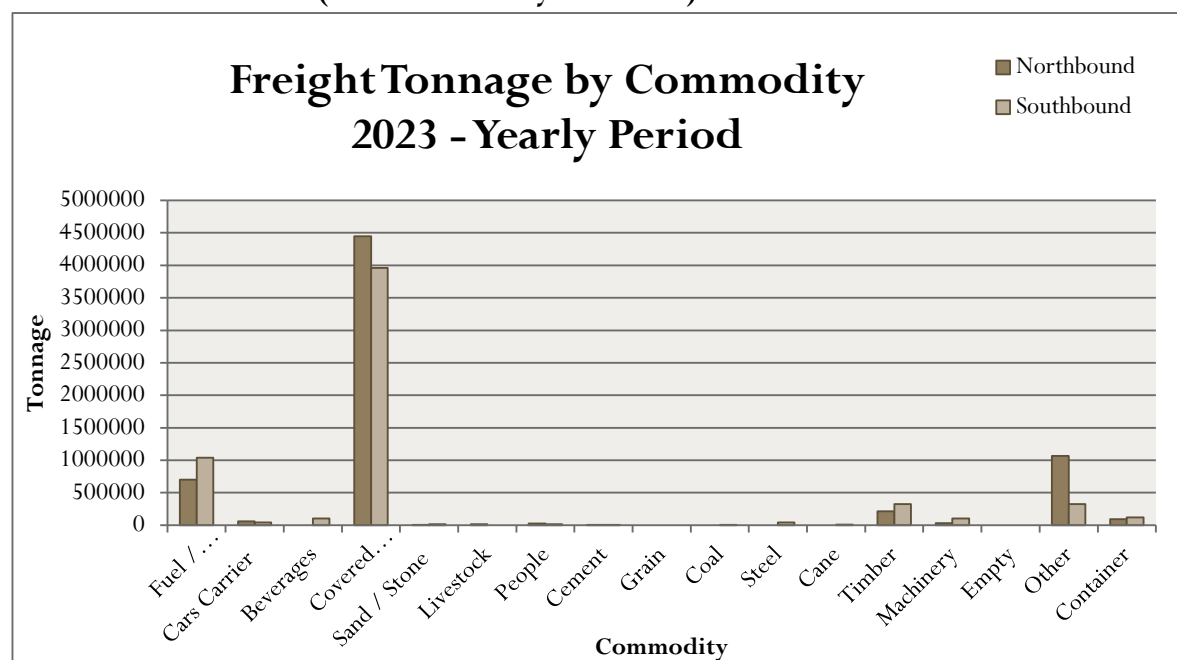
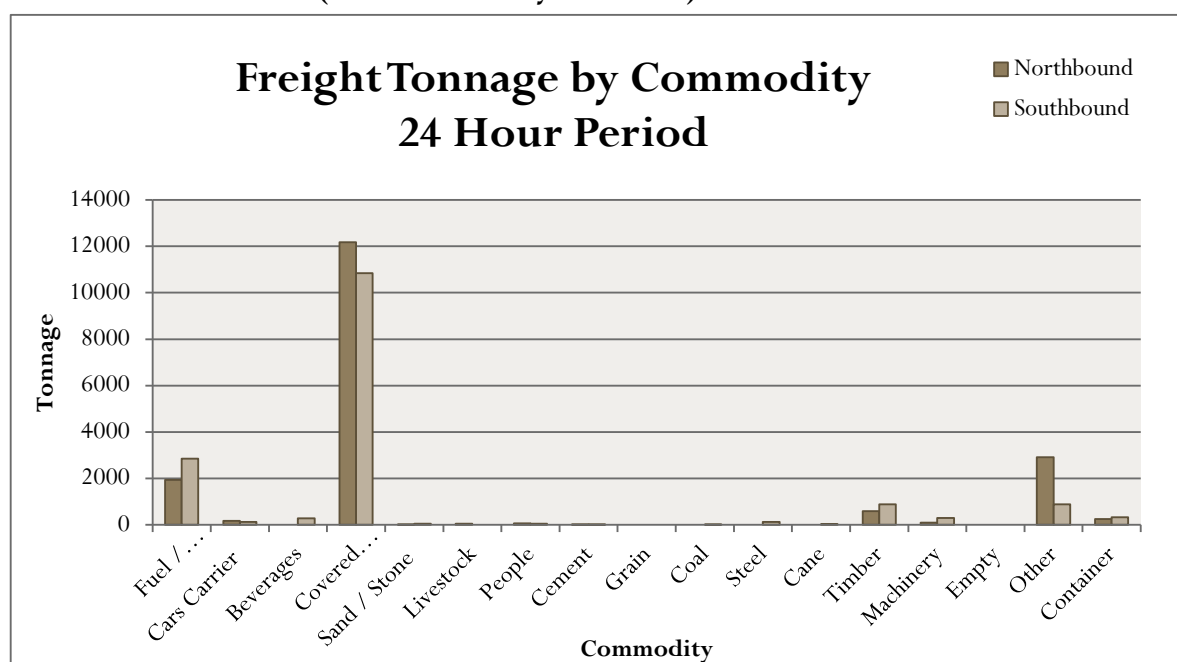
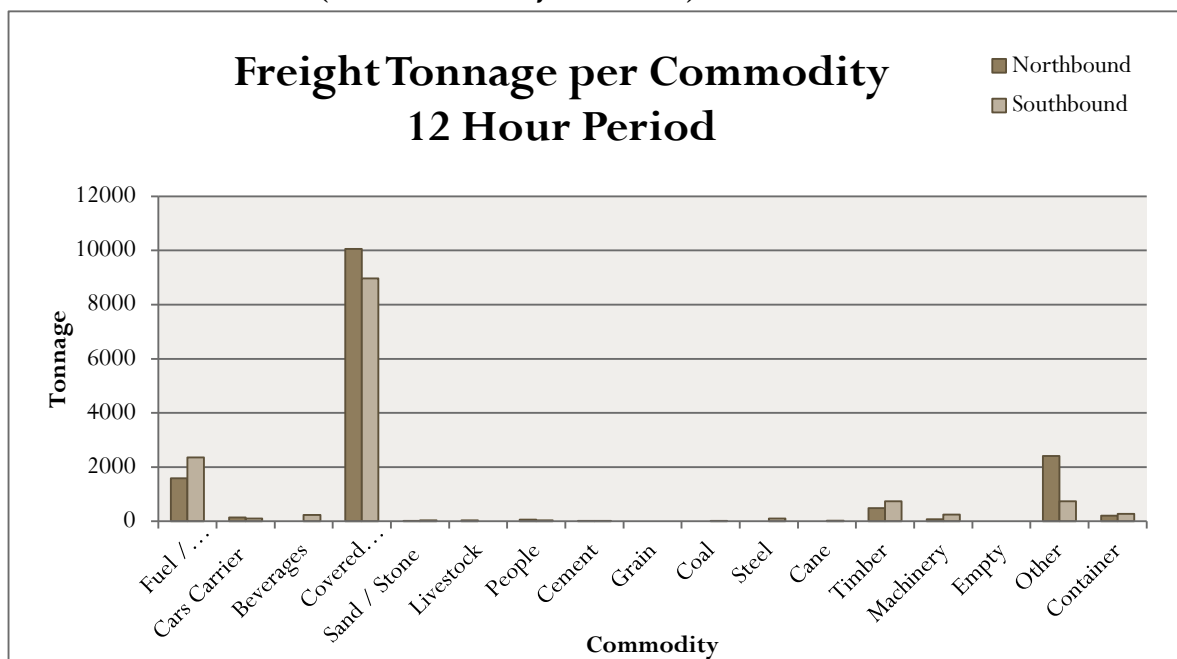


Freight Volumes by Commodity Type 24 Hour Period



Freight Volumes by Commodity Type 2023 - Yearly Period





011 Mvoti Toll (N002 Richardsbay to Durban)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 24-04-2023	
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	48	10	15	1020	500	1593	Fuel / Chemicals	48	20	45	1620	625	2358
Cars Carrier	48	30	15	20	25	138	Cars Carrier	72	10	0	20	0	102
Beverages	0	0	0	0	0	0	Beverages	24	10	30	120	50	234
Covered Load / Sail or Tarp	2490	140	330	1380	5725	10065	Covered Load / Sail or Tarp	2340	100	210	1540	4775	8965
Sand / Stone	6	0	0	0	0	6	Sand / Stone	18	0	15	0	0	33
Livestock	18	0	15	0	0	33	Livestock	0	0	0	0	0	0
People	54	0	0	0	0	54	People	36	0	0	0	0	36
Cement	6	0	0	0	0	6	Cement	6	0	0	0	0	6
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	0	0	Coal	6	0	0	0	0	6
Steel	0	0	0	0	0	0	Steel	18	0	30	0	50	98
Cane	0	0	0	0	0	0	Cane	0	0	0	0	25	25
Timber	0	0	0	80	400	480	Timber	6	0	0	0	725	731
Machinery	12	0	0	60	0	72	Machinery	60	10	30	140	0	240
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	954	30	90	660	675	2409	Other	336	20	30	120	225	731
Container	12	0	30	140	25	207	Container	0	0	75	120	75	270

011 Mvoti Toll (N002 Richardsbay to Durban)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 24-04-2023	
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	58	12	18	1234	605	1928	Fuel / Chemicals	58	24	54	1960	756	2853
Cars Carrier	58	36	18	24	30	167	Cars Carrier	87	12	0	24	0	123
Beverages	0	0	0	0	0	0	Beverages	29	12	36	145	61	283
Covered Load / Sail or Tarp	3013	169	399	1670	6927	12179	Covered Load / Sail or Tarp	2831	121	254	1863	5778	10848
Sand / Stone	7	0	0	0	0	7	Sand / Stone	22	0	18	0	0	40
Livestock	22	0	18	0	0	40	Livestock	0	0	0	0	0	0
People	65	0	0	0	0	65	People	44	0	0	0	0	44
Cement	7	0	0	0	0	7	Cement	7	0	0	0	0	7
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	0	0	Coal	7	0	0	0	0	7
Steel	0	0	0	0	0	0	Steel	22	0	36	0	61	119
Cane	0	0	0	0	0	0	Cane	0	0	0	0	30	30
Timber	0	0	0	97	484	581	Timber	7	0	0	0	877	885
Machinery	15	0	0	73	0	87	Machinery	73	12	36	169	0	290
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	1154	36	109	799	817	2915	Other	407	24	36	145	272	885
Container	15	0	36	169	30	250	Container	0	0	91	145	91	327

011 Mvoti Toll (N002 Richardsbay to Durban)													
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	21199	4417	6625	450483	220825	703548	Fuel / Chemicals	21199	8833	19874	715473	276031	1041411
Cars Carrier	21199	13250	6625	8833	11041	60948	Cars Carrier	31799	4417	0	8833	0	45048
Beverages	0	0	0	0	0	0	Beverages	10600	4417	13250	52998	22083	103346
Covered Load / Sail or Tarp	1099709	61831	145745	609477	2528446	4445207	Covered Load / Sail or Tarp	1033461	44165	92747	680141	2108879	3959392
Sand / Stone	2650	0	0	0	0	2650	Sand / Stone	7950	0	6625	0	0	14574
Livestock	7950	0	6625	0	0	14574	Livestock	0	0	0	0	0	0
People	23849	0	0	0	0	23849	People	15899	0	0	0	0	15899
Cement	2650	0	0	0	0	2650	Cement	2650	0	0	0	0	2650
Grain	0	0	0	0	0	0	Grain	0	0	0	0	0	0
Coal	0	0	0	0	0	0	Coal	2650	0	0	0	0	2650
Steel	0	0	0	0	0	0	Steel	7950	0	13250	0	22083	43282
Cane	0	0	0	0	0	0	Cane	0	0	0	0	11041	11041
Timber	0	0	0	35332	176660	211992	Timber	2650	0	0	0	320196	322846
Machinery	5300	0	0	26499	0	31799	Machinery	26499	4417	13250	61831	0	105996
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	421334	13250	39749	291489	298114	1063935	Other	148394	8833	13250	52998	99371	322846
Container	5300	0	13250	61831	11041	91422	Container	0	0	33124	52998	33124	119246

011 Mvoti Toll (N002 Richardsbay to Durban)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 24-04-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	2			2		6	2 Axle						0
3 Axle						0	3 Axle						0
4 Axle						0	4 Axle						0
5 Axle						0	5 Axle	1					1
6 Axle	1	2		3	2	17	6 Axle	3					3
≥ 7 Axle	1					1	≥ 7 Axle						0
TOTAL						24	TOTAL						4

011 Mvoti Toll (N002 Richardsbay to Durban)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 24-04-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	2	0	0	2	0	7	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	1	0	0	0	0	1
6 Axle	1	2	0	4	2	21	6 Axle	4	0	0	0	0	4
≥ 7 Axle	1	0	0	0	0	1	≥ 7 Axle	0	0	0	0	0	0
TOTAL						29	TOTAL						5

011 Mvoti Toll (N002 Richardsbay to Durban)													
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	883	0	0	883	0	2650	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	442	0	0	0	0	442
6 Axle	442	883	0	1325	883	7508	6 Axle	1325	0	0	0	0	1325
≥ 7 Axle	442	0	0	0	0	442	≥ 7 Axle	0	0	0	0	0	0
TOTAL						10600	TOTAL						1767