

TRAFFIC HIGHLIGHTS OF SITE 2272		
1.1	Site Identifier	2272
1.2	Site Name	Mariannahill New NB1
1.3	Site Description	North of Toll Plaza
1.4	Road Description	Route : N003 Road : N003 Section : 001 Distance : 26.6km
1.5	GPS Position	30 47 44.6E -29 49 31.1S
1.6	Number of Lanes	3
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)	8708
1.12	Percentage good data available for requested period	99.4
		Total
2.1a	Total number of vehicles (counted)	7325887
2.1b	Total number of vehicles (projected for period)	7369554
2.2	Average daily traffic (ADT)	20191
2.3	Average daily truck traffic (ADTT)	5843
2.4	Percentage of trucks	28.9
2.5	Truck split % (short:medium:long)	17 : 15 : 68
2.6	Percentage of night traffic (20:00 - 06:00)	13.9
3.1	Speed limit (km/hr)	80
3.2	Average speed (km/hr)	91.5
3.3	Average speed - light vehicles (km/hr)	100.9
3.4	Average speed - heavy vehicles (km/hr)	68.4
3.5	Average night speed (km/hr)	82.2
3.6	15th centile speed (km/hr)	67.9
3.7	85th centile speed (km/hr)	112.0
3.8	Percentage vehicles in excess of speed limit	69.9
4.1	Percentage vehicles in flows over 600 vehicles/hr	87.5
4.2	Highest volume on the road (vehicles/hr)	2022/05/27 17:00:00 1894
4.3		
4.4		
4.5	Highest volume in a lane (vehicles/hr)	2022/07/16 10:00:00 1213
4.6	15th highest volume on the road (vehicles/hr)	2022/04/14 17:00:00 1792
4.7		
4.8		
4.9	30th highest volume on the road (vehicles/hr)	2022/04/01 10:00:00 1761
4.10		
4.11		
5.1	Percentage of vehicles less than 2s behind vehicle ahead	
6.1	Total number of heavy vehicles (projected for period)	2132657
6.2	Estimated average number of axles per truck	5.8
6.3	Estimated truck mass (Ton/truck)	33.6
6.4	Estimated average E80/truck	1.9
6.5	Estimated daily E80 on the road	11119
6.6		
6.7		
6.8		
6.9		
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 : 2272 - Mariannhill New NB1
Description : North of Toll Plaza

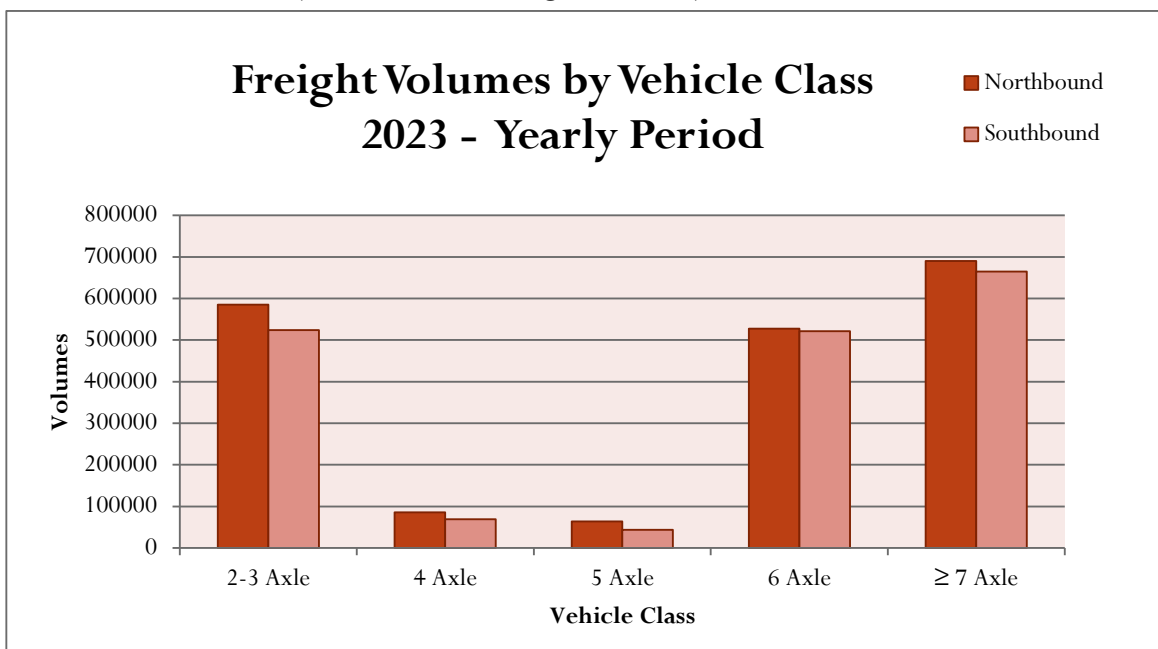
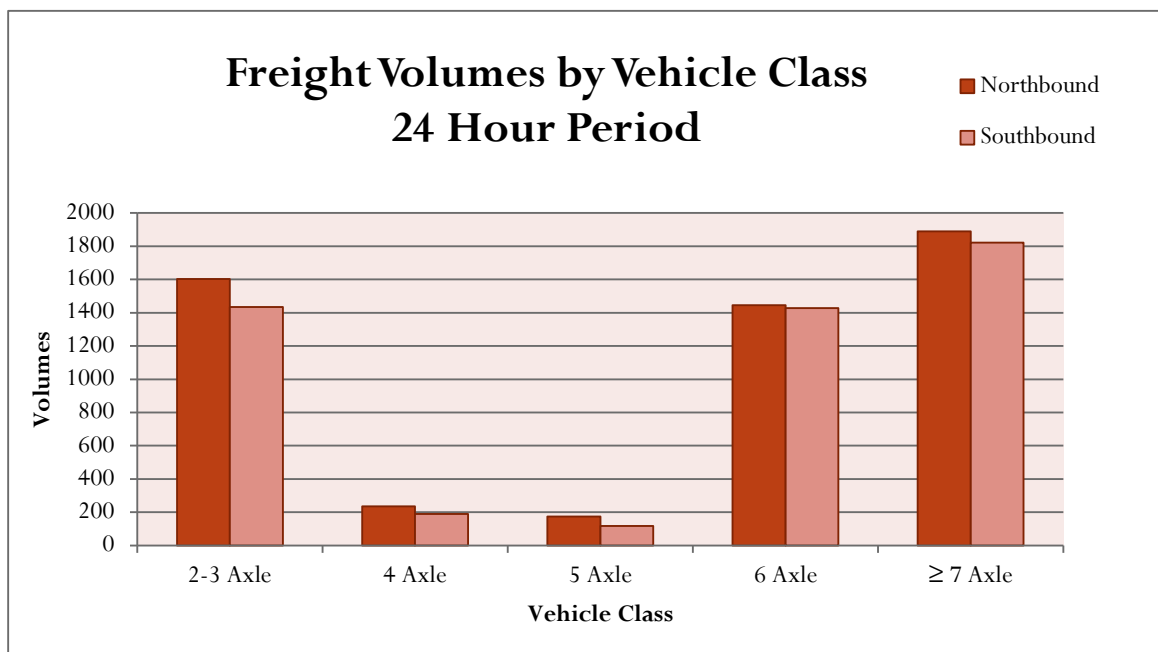
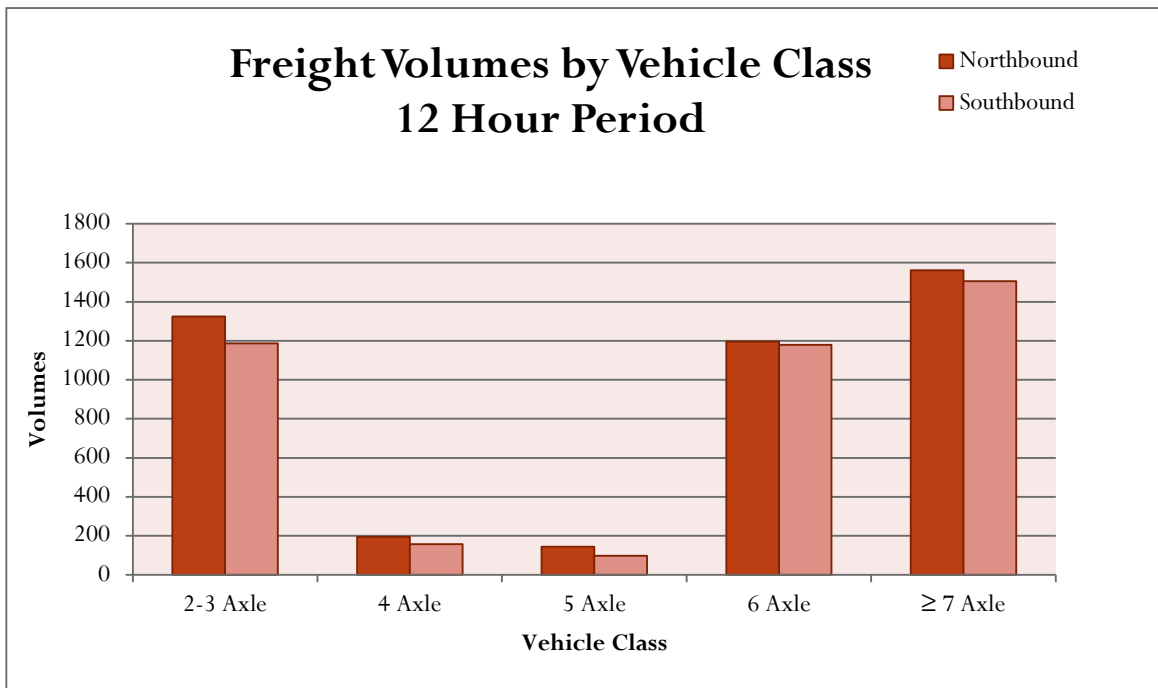
Date	Time	Dur.	Lane 1			Lane 2			Lane 3			To PMB		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	508	3056	3564	4978	3385	8363	9642	212	9854	15128	6653	21781
231003	00:00	24:00	417	3173	3590	4352	3814	8166	9142	290	9432	13911	7277	21188
231004	00:00	24:00	441	3263	3704	4263	3899	8162	9282	325	9607	13986	7487	21473
231005	00:00	24:00	422	3154	3576	4429	3826	8255	9498	283	9781	14349	7263	21612
231006	00:00	24:00	395	2858	3253	5428	3564	8992	11344	292	11636	17167	6714	23881
231007	00:00	24:00	753	2321	3074	6802	2027	8829	8915	100	9015	16470	4448	20918
231008	00:00	24:00	777	2259	3036	6255	2137	8392	9441	119	9560	16473	4515	20988

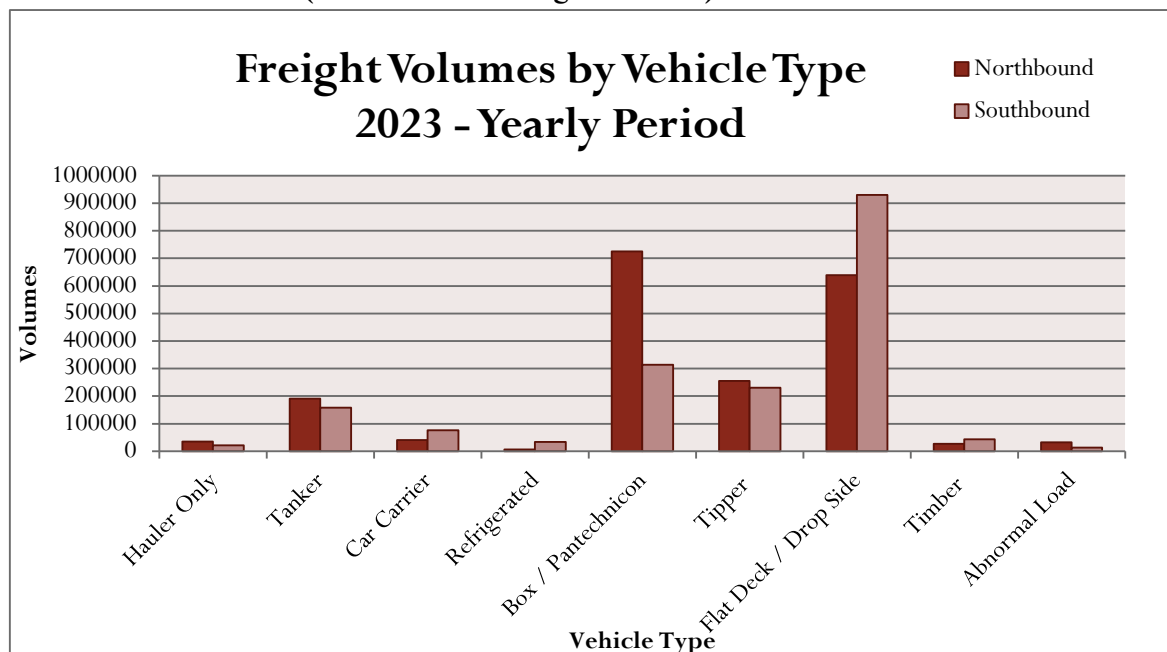
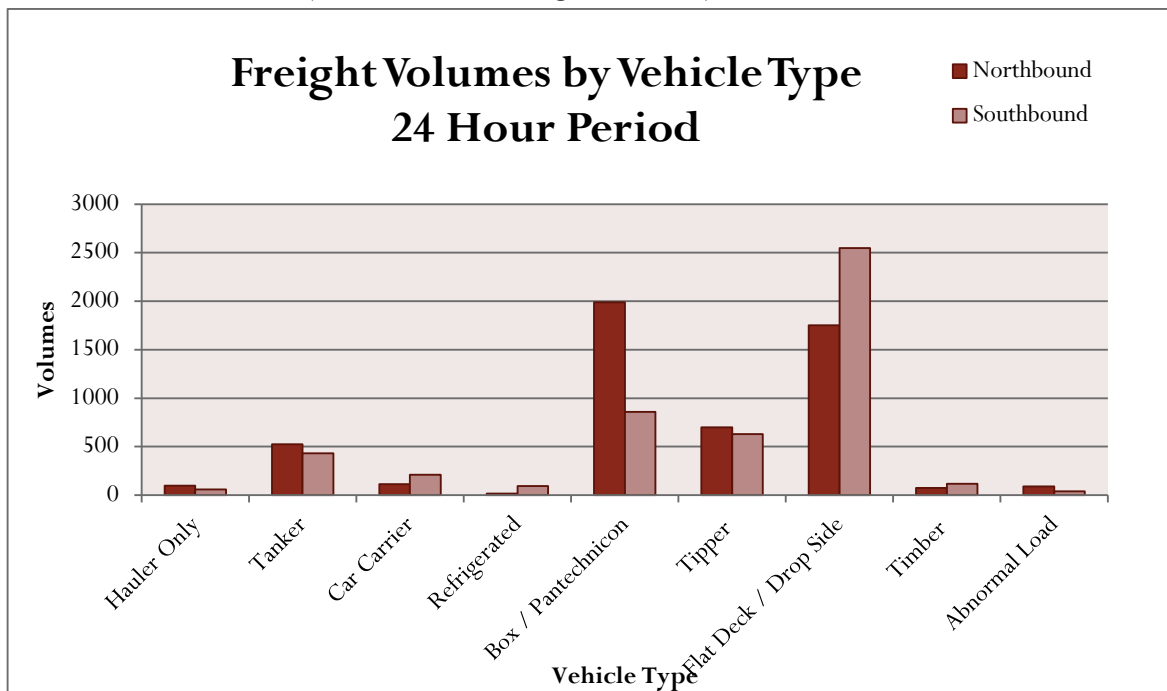
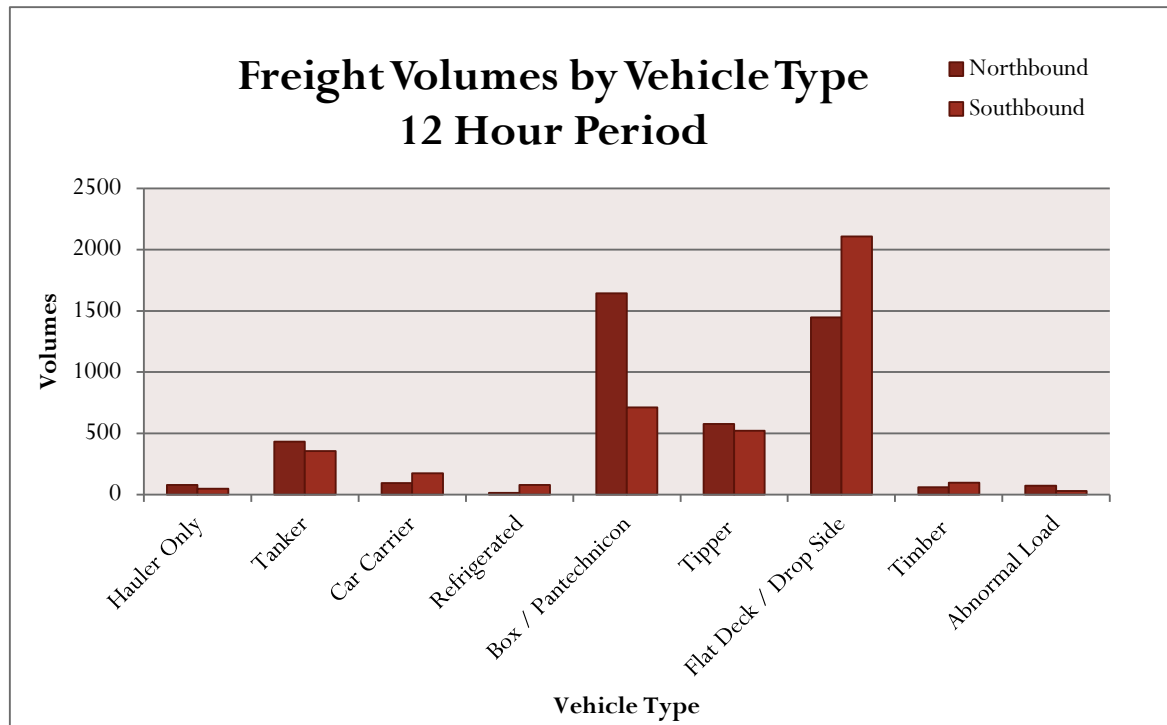
TRAFFIC HIGHLIGHTS OF SITE 2276		
1.1	Site Identifier	2276
1.2	Site Name	Mariannhill New SB1
1.3	Site Description	Between P.M.Burg & Durban
1.4	Road Description	Route : N003 Road : N003 Section : 1 Distance : 28.0km
1.5	GPS Position	30 47 08.4E -29 49 27.3S
1.6	Number of Lanes	3
1.7	Station Type	Permanent 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)	8642
1.12	Percentage good data available for requested period	98.7
		Total
2.1a	Total number of vehicles (counted)	7201189
2.1b	Total number of vehicles (projected for period)	7299403
2.2	Average daily traffic (ADT)	19998
2.3	Average daily truck traffic (ADTT)	5803
2.4	Percentage of trucks	29.0
2.5	Truck split % (short:medium:long)	16 : 15 : 69
2.6	Percentage of night traffic (20:00 - 06:00)	14.6
3.1	Speed limit (km/hr)	120
3.2	Average speed (km/hr)	97.2
3.3	Average speed - light vehicles (km/hr)	104.0
3.4	Average speed - heavy vehicles (km/hr)	80.5
3.5	Average night speed (km/hr)	91.9
3.6	15th centile speed (km/hr)	78.9
3.7	85th centile speed (km/hr)	115.0
3.8	Percentage vehicles in excess of speed limit	8.6
4.1	Percentage vehicles in flows over 600 vehicles/hr	85.8
4.2	Highest volume on the road (vehicles/hr)	2022/02/25 16:00:00 2192
4.3		
4.4		
4.5	Highest volume in a lane (vehicles/hr)	2022/10/05 12:00:00 1346
4.6	15th highest volume on the road (vehicles/hr)	2022/03/17 17:00:00 2020
4.7		
4.8		
4.9	30th highest volume on the road (vehicles/hr)	2022/03/11 17:00:00 1947
4.10		
4.11		
5.1	Percentage of vehicles less than 2s behind vehicle ahead	
6.1	Total number of heavy vehicles (projected for period)	2118167
6.2	Estimated average number of axles per truck	5.9
6.3	Estimated truck mass (Ton/truck)	33.9
6.4	Estimated average E80/truck	1.9
6.5	Estimated daily E80 on the road	11108
6.6		
6.7		
6.8		
6.9		
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)

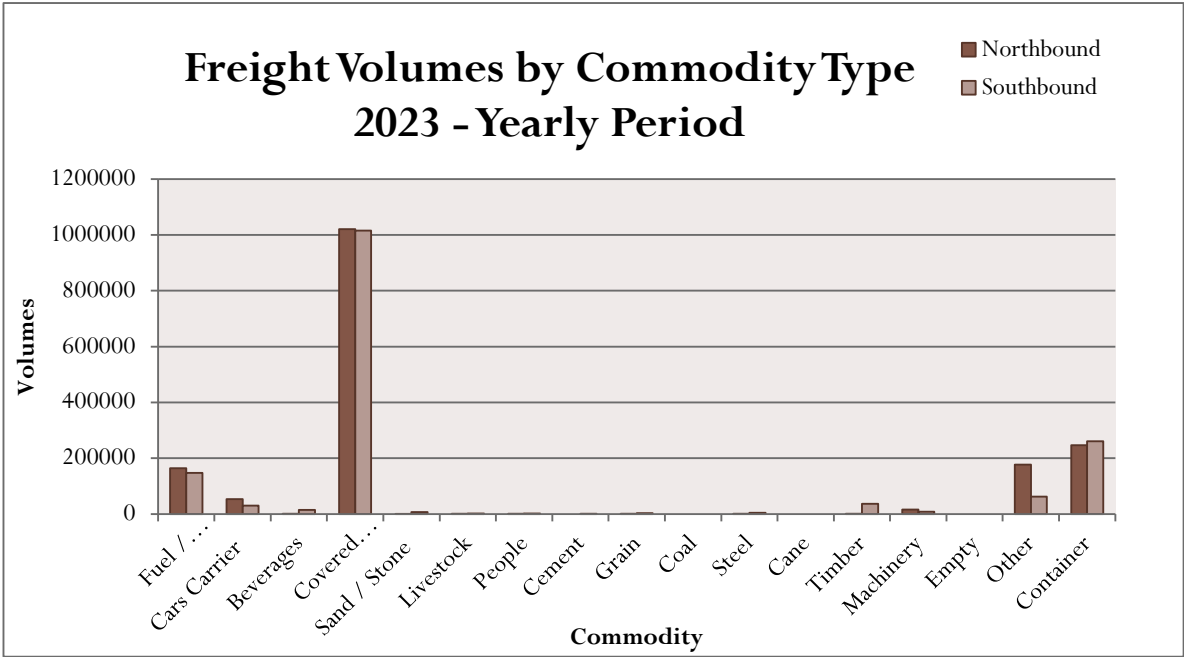
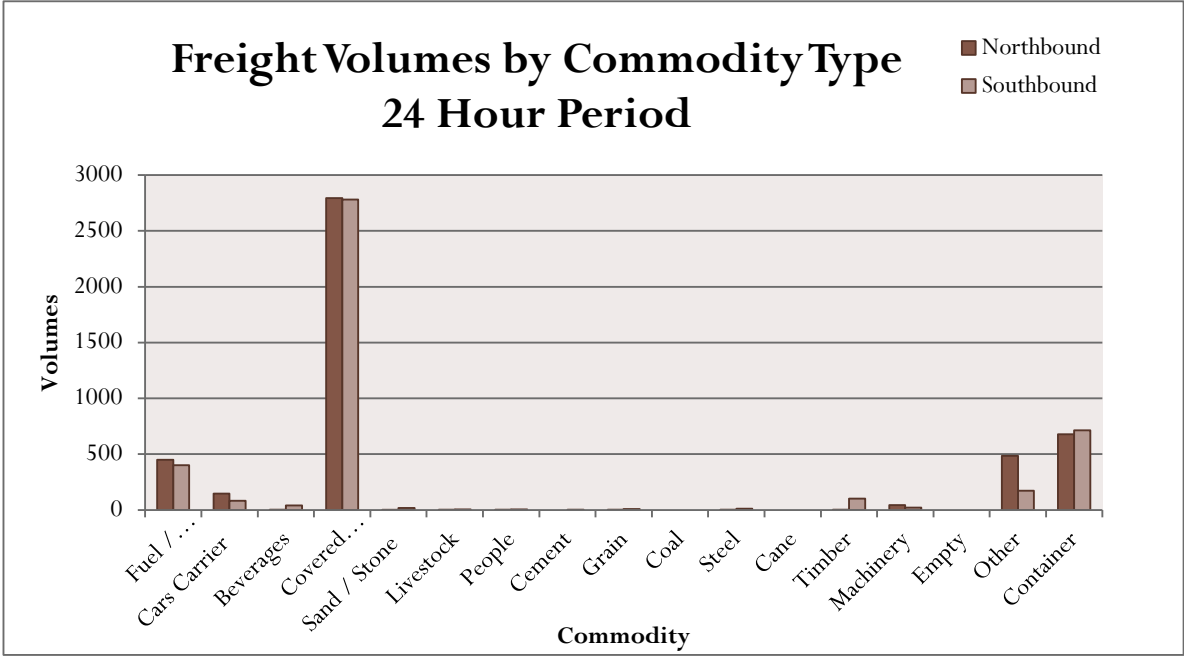
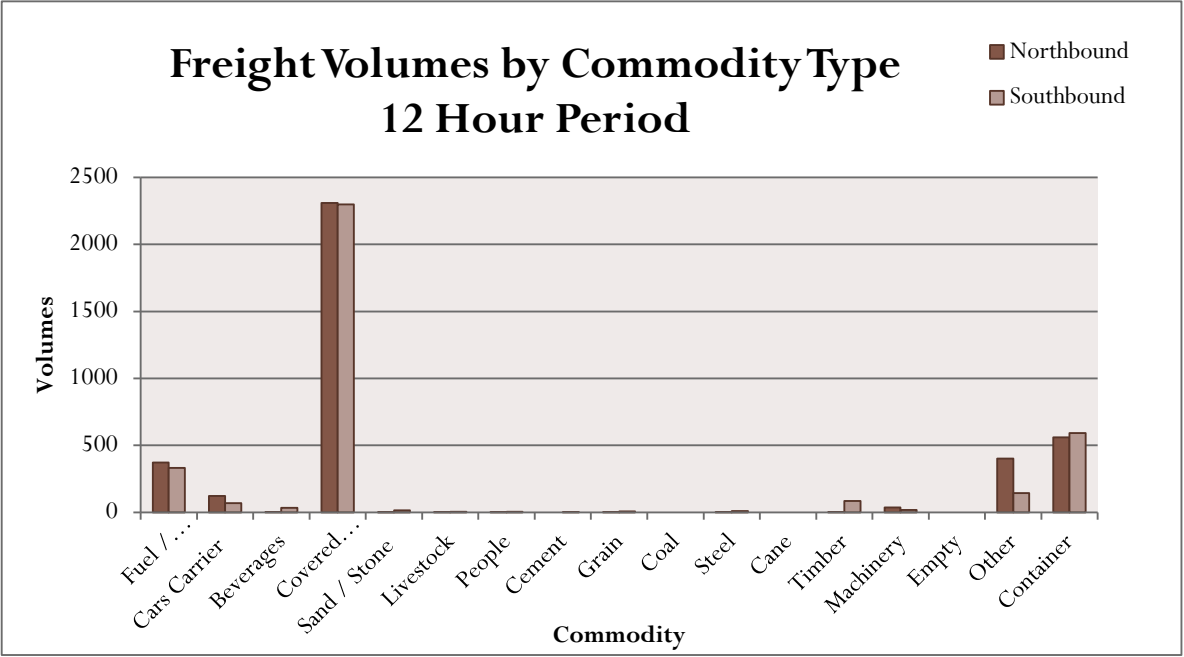
L/H/Volume Report

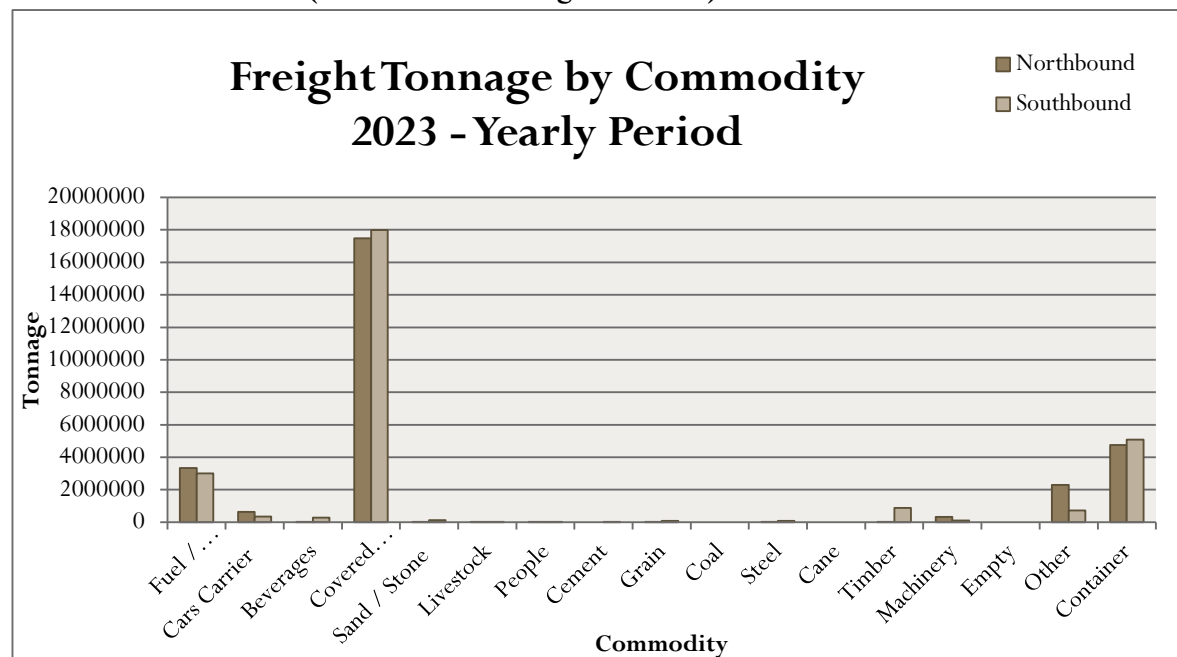
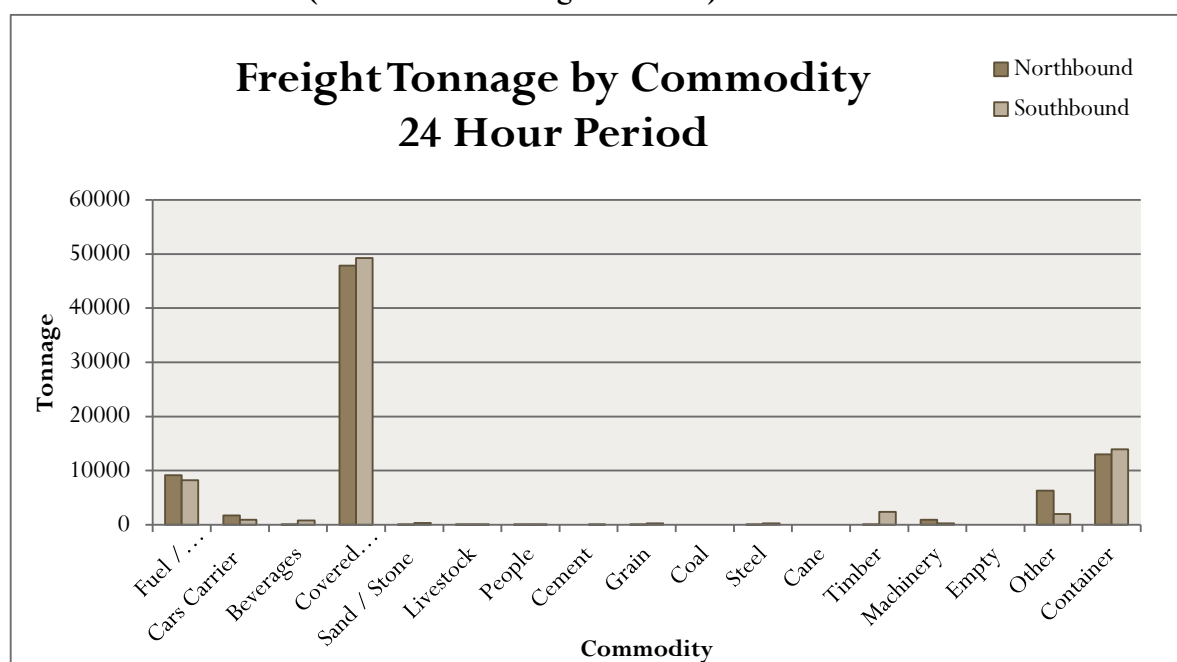
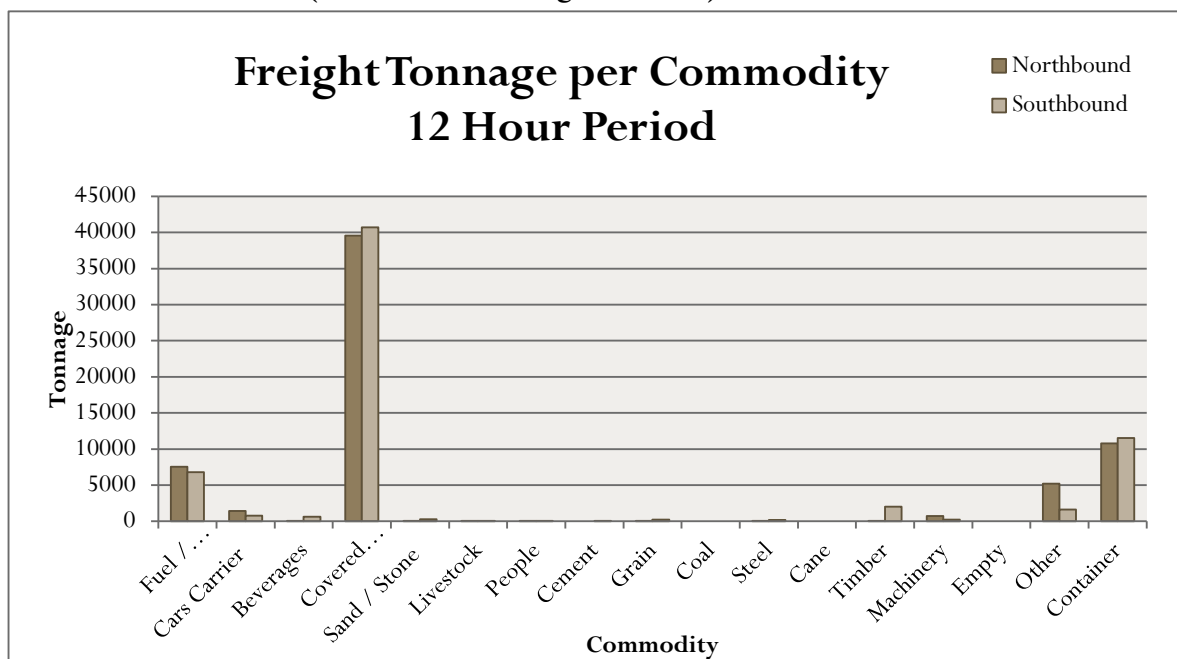
Date : 2023/10/02
Site : 2276 - Mariannhill New SB1
Description : Between P.M.Burg & Durban

Date	Time	Dur.	Lane 1			Lane 2			Lane 3			To Durban		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	636	3906	4542	7331	1750	9081	6186	95	6281	14153	5751	19904
231003	00:00	24:00	485	4769	5254	6869	2544	9413	6812	119	6931	14166	7432	21598
231004	00:00	24:00	491	4639	5130	6792	2461	9253	6981	120	7101	14264	7220	21484
231005	00:00	24:00	526	4690	5216	7034	2453	9487	7048	124	7172	14608	7267	21875
231006	00:00	24:00	664	4595	5259	7770	2445	10215	8361	124	8485	16795	7164	23959
231007	00:00	24:00	765	3678	4443	8367	1556	9923	6586	88	6674	15718	5322	21040
231008	00:00	24:00	698	2536	3234	7216	934	8150	4866	60	4926	12780	3530	16310









Marianhill Toll (N3 Pietermaritzburg to Durban)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 28-03-2023	
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	72	10	60	5840	1575	7557	Fuel / Chemicals	66	30	45	5020	1625	6786
Cars Carrier	78	730	300	320	0	1428	Cars Carrier	114	250	300	60	50	774
Beverages	0	0	15	0	0	15	Beverages	42	0	0	240	350	632
Covered Load / Sail or Tarp	4938	480	735	5360	28050	39563	Covered Load / Sail or Tarp	4578	330	450	5880	29475	40713
Sand / Stone	12	0	0	0	25	37	Sand / Stone	36	0	0	40	200	276
Livestock	12	0	0	0	0	12	Livestock	18	10	0	0	0	28
People	6	0	0	0	0	6	People	30	0	0	0	0	30
Cement	0	0	0	0	0	0	Cement	0	0	0	0	25	25
Grain	0	0	0	20	0	20	Grain	0	0	0	0	200	200
Coal	0	0	0	0	0	0	Coal	0	0	0	0	0	0
Steel	0	0	0	20	0	20	Steel	6	10	0	180	0	196
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	20	0	20	Timber	12	10	15	160	1800	1997
Machinery	18	0	45	500	175	738	Machinery	72	0	0	80	75	227
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	1338	80	90	2220	1475	5203	Other	510	90	15	700	325	1640
Container	12	480	705	8000	1575	10772	Container	126	260	225	9320	1575	11506

Marianhill Toll (N3 Pietermaritzburg to Durban)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 28-03-2023	
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	87	12	73	7066	1906	9144	Fuel / Chemicals	80	36	54	6074	1966	8211
Cars Carrier	94	883	363	387	0	1728	Cars Carrier	138	303	363	73	61	937
Beverages	0	0	18	0	0	18	Beverages	51	0	0	290	424	765
Covered Load / Sail or Tarp	5975	581	889	6486	33941	47871	Covered Load / Sail or Tarp	5539	399	545	7115	35665	49263
Sand / Stone	15	0	0	0	30	45	Sand / Stone	44	0	0	48	242	334
Livestock	15	0	0	0	0	15	Livestock	22	12	0	0	0	34
People	7	0	0	0	0	7	People	36	0	0	0	0	36
Cement	0	0	0	0	0	0	Cement	0	0	0	0	30	30
Grain	0	0	0	24	0	24	Grain	0	0	0	0	242	242
Coal	0	0	0	0	0	0	Coal	0	0	0	0	0	0
Steel	0	0	0	24	0	24	Steel	7	12	0	218	0	237
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	24	0	24	Timber	15	12	18	194	2178	2416
Machinery	22	0	54	605	212	893	Machinery	87	0	0	97	91	275
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	1619	97	109	2686	1785	6296	Other	617	109	18	847	393	1984
Container	15	581	853	9680	1906	13034	Container	152	315	272	11277	1906	13922

Marianhill Toll (N3 Pietermaritzburg 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	31799	4417	26499	2579236	695599	3337549	Fuel / Chemicals	29149	13250	19874	2217083	717681	2997037
Cars Carrier	34449	322405	132495	141328	0	630676	Cars Carrier	50348	110413	132495	26499	22083	341837
Beverages	0	0	6625	0	0	6625	Beverages	18549	0	0	105996	154578	279123
Covered Load / Sail or Tarp	2180868	211992	324613	2367244	12388283	17472999	Covered Load / Sail or Tarp	2021874	145745	198743	2596902	13017634	17980896
Sand / Stone	5300	0	0	0	11041	16341	Sand / Stone	15899	0	0	17666	88330	121895
Livestock	5300	0	0	0	0	5300	Livestock	7950	4417	0	0	0	12366
People	2650	0	0	0	0	2650	People	13250	0	0	0	0	13250
Cement	0	0	0	0	0	0	Cement	0	0	0	0	11041	11041
Grain	0	0	0	8833	0	8833	Grain	0	0	0	0	88330	88330
Coal	0	0	0	0	0	0	Coal	0	0	0	0	0	0
Steel	0	0	0	8833	0	8833	Steel	2650	4417	0	79497	0	86563
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	0	0	0	8833	0	8833	Timber	5300	4417	6625	70664	794970	881975
Machinery	7950	0	19874	220825	77289	325938	Machinery	31799	0	0	35332	33124	100255
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	590928	35332	39749	980463	651434	2297905	Other	225242	39749	6625	309155	143536	724306
Container	5300	211992	311363	3533200	695599	4757454	Container	55648	114829	99371	4116178	695599	5081625

Marianhill Toll (N3 Pietermaritzburg to Durban)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)											Date: 28-03-2023		
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	2					2	2 Axle	6	1		14		36
3 Axle						0	3 Axle						0
4 Axle	6			42		90	4 Axle	1			24	1	52
5 Axle	16	1			2	24	5 Axle	5			9	1	26
6 Axle	95	16	2	289	2	717	6 Axle	163	5		293	4	771
≥ 7 Axle	2	12	36	4		142	≥ 7 Axle	22	8		23	10	114
TOTAL						975	TOTAL						999

Marianhill Toll (N3 Pietermaritzburg to Durban)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 28-03-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	2	0	0	0	0	2	2 Axle	7	1	0	17	0	44
3 Axle	0	0	0	0	0	0	3 Axle	0	0	0	0	0	0
4 Axle	7	0	0	51	0	109	4 Axle	1	0	0	29	1	63
5 Axle	19	1	0	0	2	29	5 Axle	6	0	0	11	1	31
6 Axle	115	19	2	350	2	868	6 Axle	197	6	0	355	5	933
≥ 7 Axle	2	15	44	5	0	172	≥ 7 Axle	27	10	0	28	12	138
TOTAL						1180	TOTAL						1209

Marianhill Toll (N3 Pietermaritzburg 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	0	0	883	2 Axle	2650	442	0	6183	0	15899
3 Axle	0	0	0	0	0	0	3 Axle	0	0	0	0	0	0
4 Axle	2650	0	0	18549	0	39749	4 Axle	442	0	0	10600	442	22966
5 Axle	7066	442	0	0	883	10600	5 Axle	2208	0	0	3975	442	11483
6 Axle	41957	7066	883	127637	883	316663	6 Axle	71989	2208	0	129403	1767	340512
≥ 7 Axle	883	5300	15899	1767	0	62714	≥ 7 Axle	9716	3533	0	10158	4417	50348
TOTAL						430609	TOTAL						441208