

TRAFFIC HIGHLIGHTS OF SITE 1577			
1.1	Site Identifier	1577	
1.2	Site Name	Marburg	
1.3	Site Description	Between Palm Dr & Izotsha Rd	
1.4	Road Description	Route : N002 Road : N002 Section : 22X Distance : 27.6km	
1.5	GPS Position	30 24 18.4E -30 44 54.8S	
1.6	Number of Lanes	4	
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)	8634	
1.12	Percentage good data available for requested period	98.6	
		To Port Shepstone	Total
2.1a	Total number of vehicles (counted)	2657467	5322704
2.1b	Total number of vehicles (projected for period)	2690417	5376802
2.2	Average daily traffic (ADT)	7371	14731
2.3	Average daily truck traffic (ADTT)	743	1444
2.4	Percentage of trucks	10.1	9.8
2.5	Truck split % (short:medium:long)	37 : 12 : 51	38 : 12 : 50
2.6	Percentage of night traffic (20:00 - 06:00)	11.9	12.3
3.1	Speed limit (km/hr)		80
3.2	Average speed (km/hr)	76.2	74.9
3.3	Average speed - light vehicles (km/hr)	77.3	76.3
3.4	Average speed - heavy vehicles (km/hr)	66.7	62.1
3.5	Average night speed (km/hr)	75.7	72.5
3.6	15th centile speed (km/hr)	61.9	59.9
3.7	85th centile speed (km/hr)	91.0	91.0
3.8	Percentage vehicles in excess of speed limit	39.0	37.3
4.1	Percentage vehicles in flows over 600 vehicles/hr	21.2	83.8
4.2	Highest volume on the road (vehicles/hr)	2022/02/14 08:00:00	1738
4.3	Highest volume in the East (vehs/hr)	2022/05/04 08:00:00	887
4.4	Highest volume in the West (vehs/hr)	2022/03/04 18:00:00	961
4.5	Highest volume in a lane (vehicles/hr)	2022/05/30 08:00:00	528
4.6	15th highest volume on the road (vehicles/hr)	2022/02/09 08:00:00	1665
4.7	15th highest volume in the East direction (vehs/hr)	2022/05/05 08:00:00	835
4.8	15th highest volume in the West direction (vehs/hr)	2022/06/15 18:00:00	883
4.9	30th highest volume on the road (vehicles/hr)	2022/02/17 08:00:00	1631
4.10	30th highest volume in the East direction (vehs/hr)	2022/02/02 08:00:00	804
4.11	30th highest volume in the West direction (vehs/hr)	2022/12/15 18:00:00	859
5.1	Percentage of vehicles less than 2s behind vehicle ahead		
6.1	Total number of heavy vehicles (projected for period)	271073	527149
6.2	Estimated average number of axles per truck	4.9	4.9
6.3	Estimated truck mass (Ton/truck)	27.9	27.8
6.4	Estimated average E80/truck	1.6	1.6
6.5	Estimated daily E80 on the road		2278
6.6	Estimated daily E80 in the East direction		1173
6.7	Estimated daily E80 in the West direction		1105
6.8	Estimated daily E80 in the worst East lane		1059
6.9	Estimated daily E80 in the worst West lane		955
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

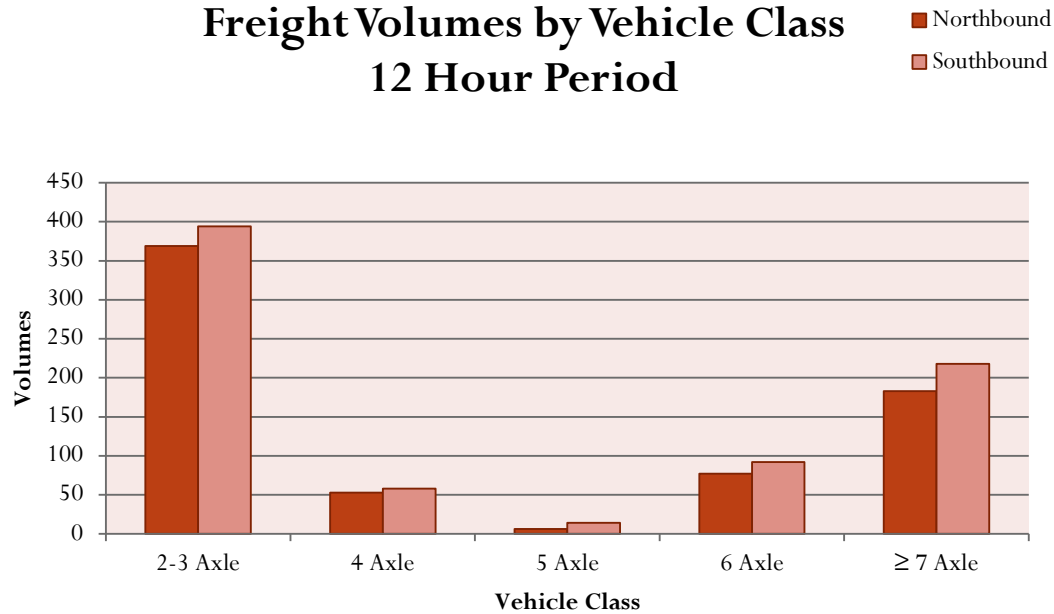
Date : 2023/10/02
Site : 1577 - Marburg
Description : Between Palm Dr & Izotsha Rd

Date	Time	Dur.	Lane 1			Lane 2			Lane 3			Lane 4			To Port Shepstone			To Harding		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	4378	671	5049	2488	101	2589	3241	138	3379	3652	728	4380	6866	772	7638	6893	866	7759
231003	00:00	24:00	4290	866	5156	2534	137	2671	3227	151	3378	3602	773	4375	6824	1003	7827	6829	924	7753
231004	00:00	24:00	4324	836	5160	2435	114	2549	3216	156	3372	3494	755	4249	6759	950	7709	6710	911	7621
231005	00:00	24:00	4490	888	5378	2540	139	2679	3284	160	3444	3631	796	4427	7030	1027	8057	6915	956	7871
231006	00:00	24:00	4835	828	5663	2960	145	3105	3984	131	4115	4042	750	4792	7795	973	8768	8026	881	8907
231007	00:00	24:00	4657	687	5344	2206	80	2286	2994	81	3075	3608	524	4132	6863	767	7630	6602	605	7207
231008	00:00	24:00	3971	371	4342	1653	32	1685	2327	56	2383	3019	413	3432	5624	403	6027	5346	469	5815

Marburg (N002 Port Shapstone to Harding)

Date: 26-10-2023

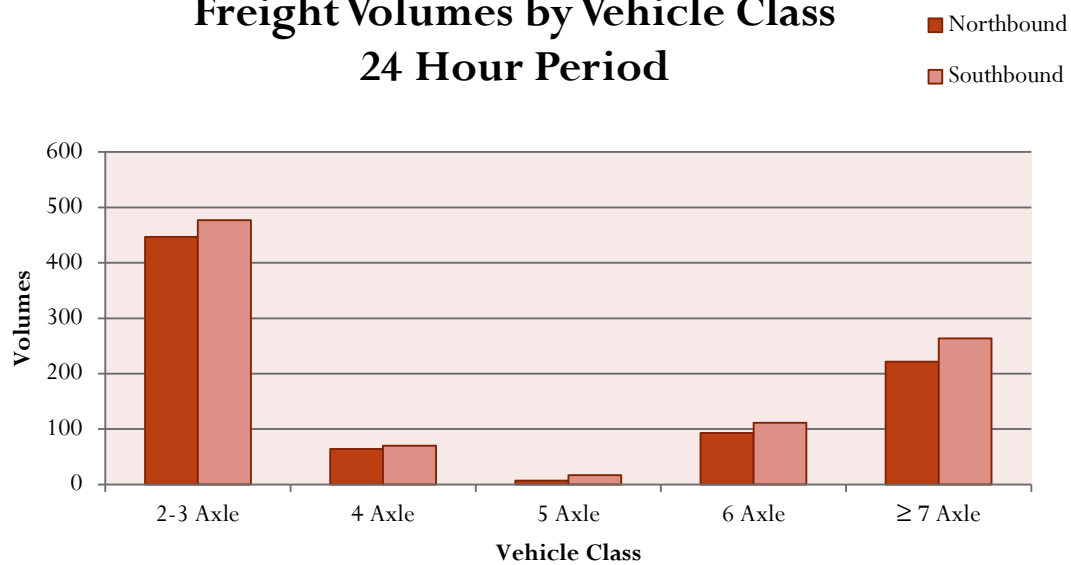
Freight Volumes by Vehicle Class 12 Hour Period



Marburg (N002 Port Shapstone to Harding)

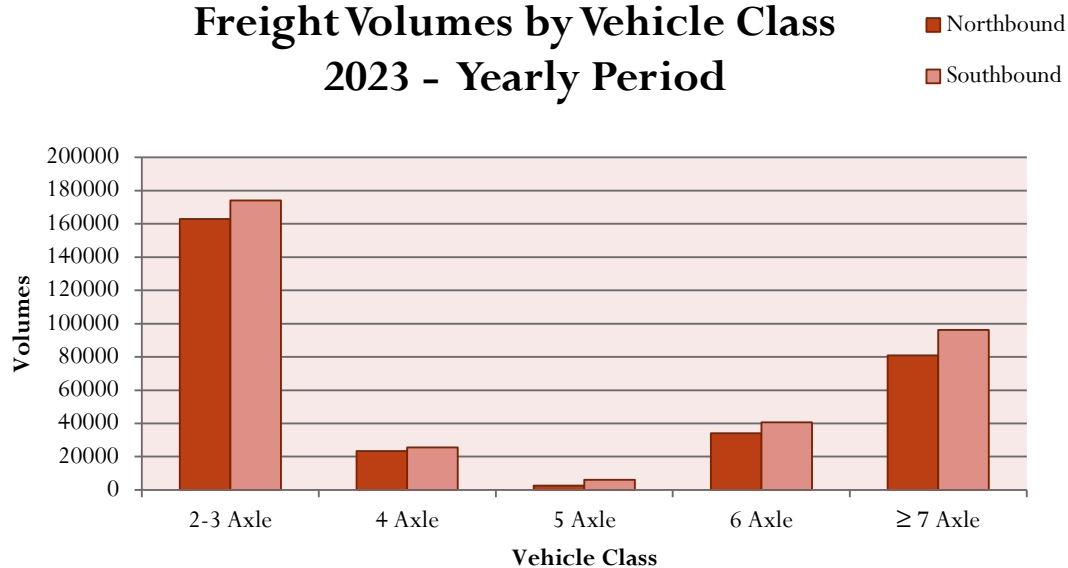
Date: 26-10-2023

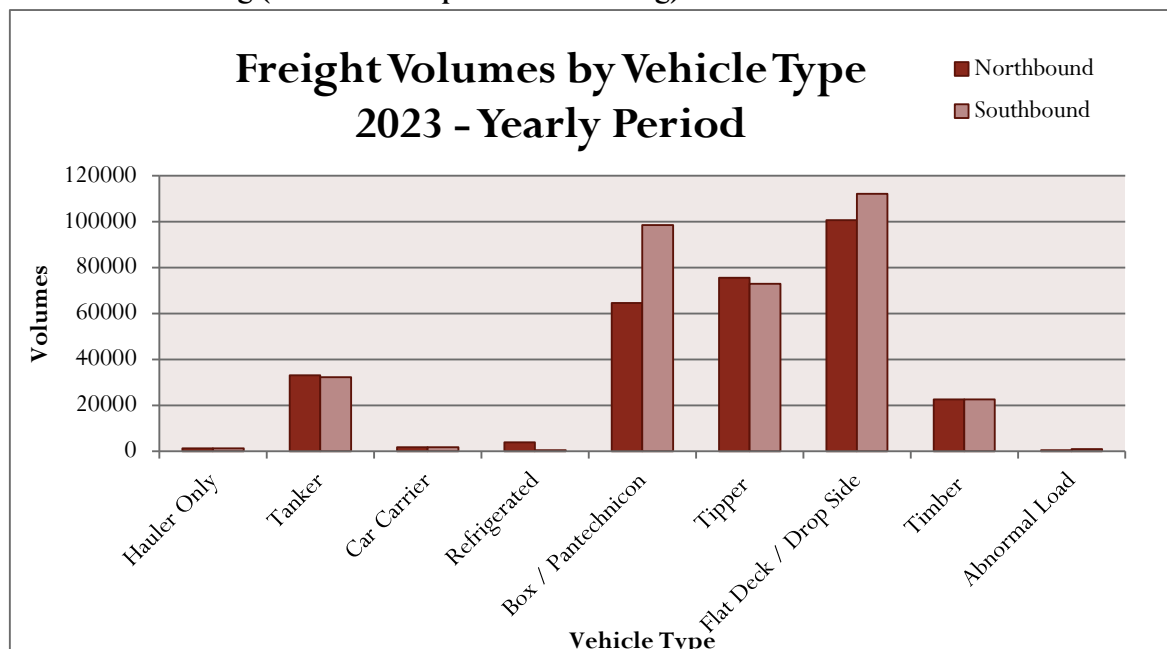
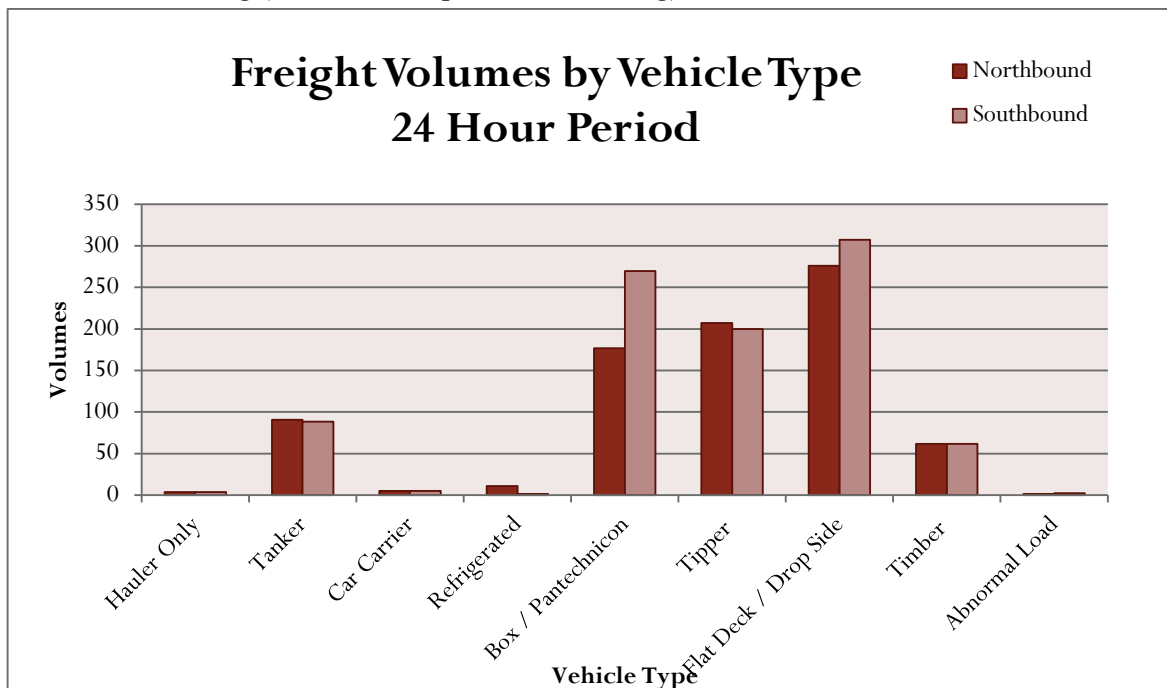
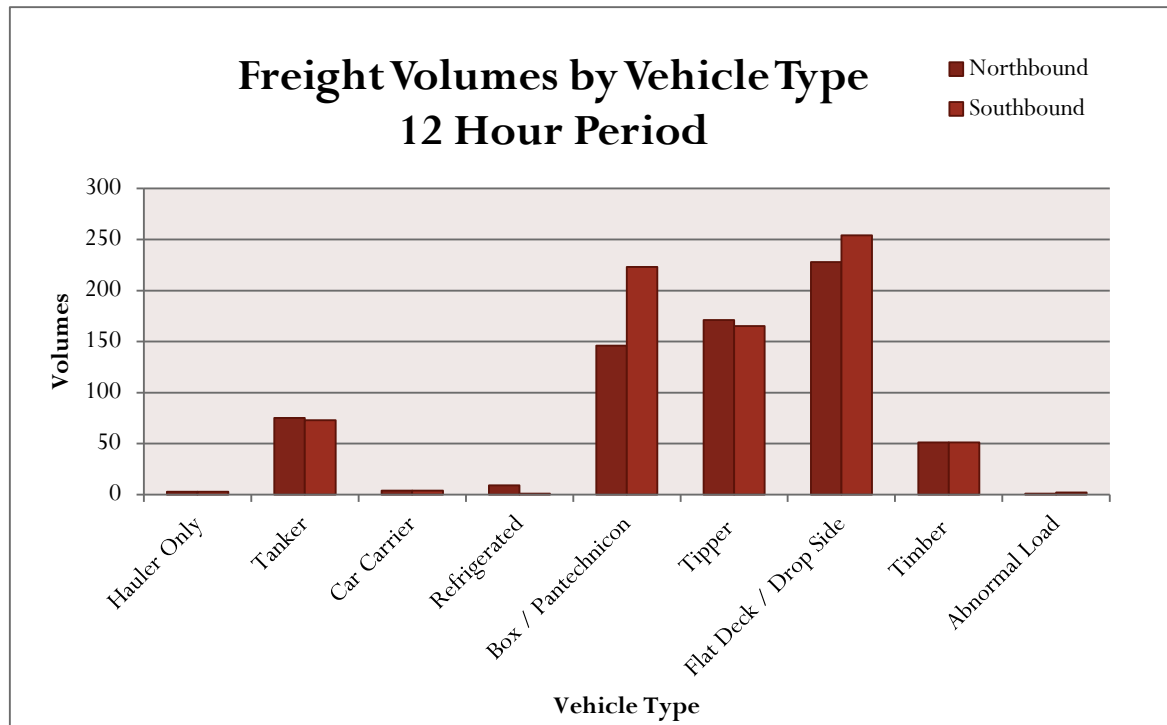
Freight Volumes by Vehicle Class 24 Hour Period

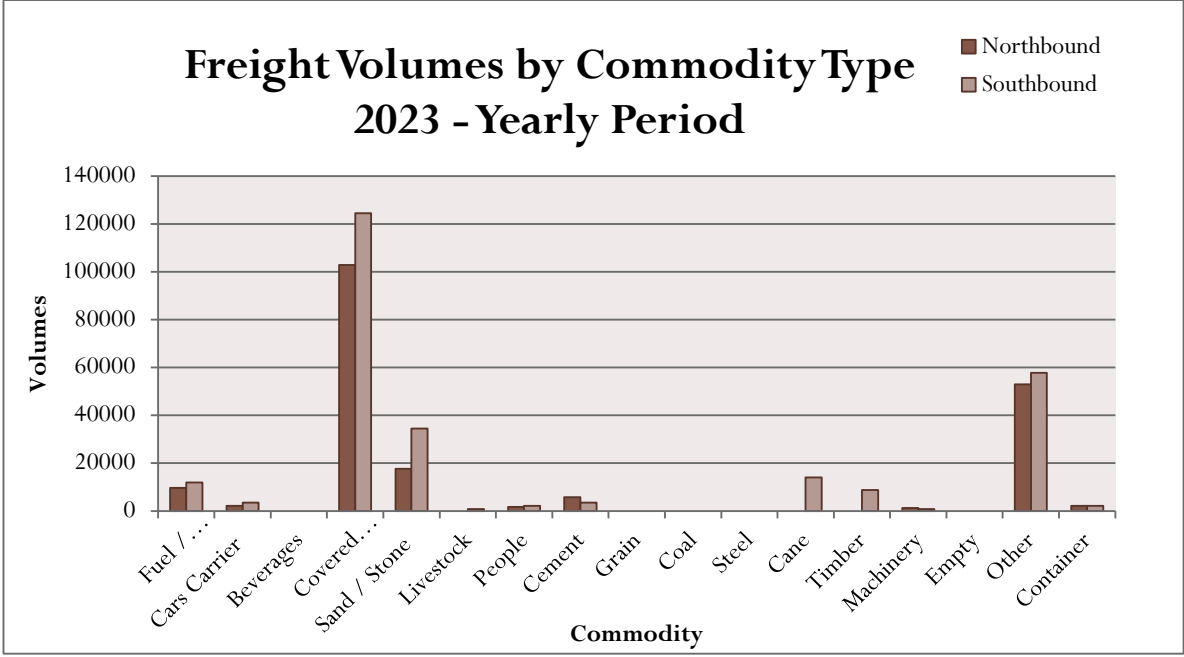
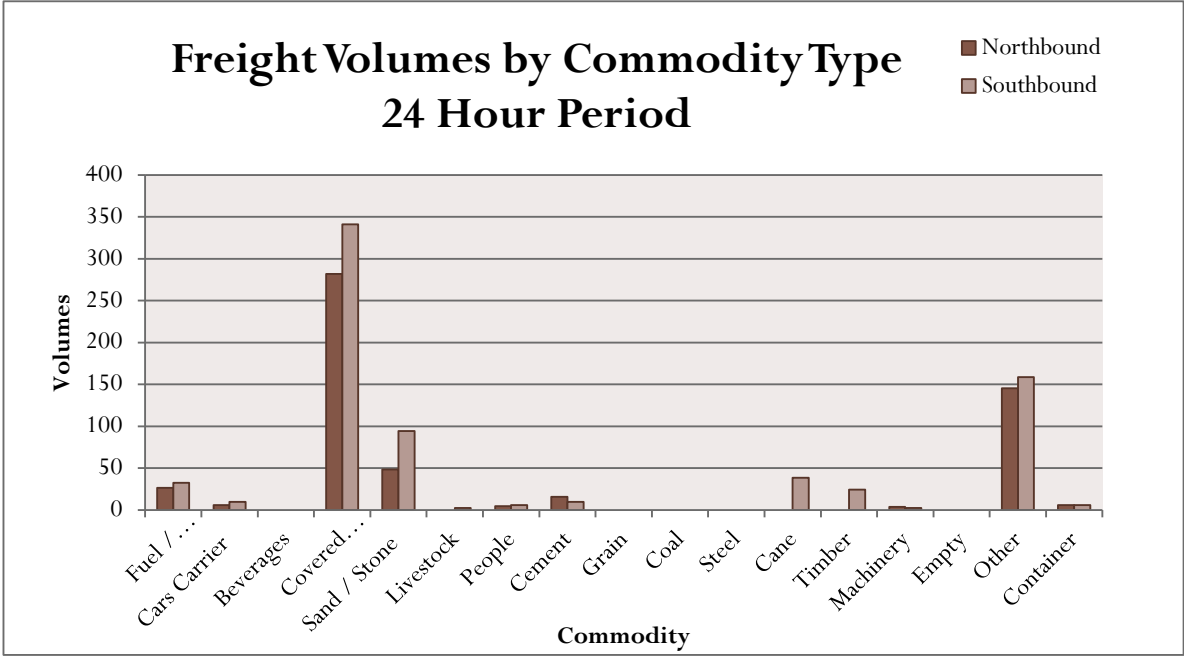
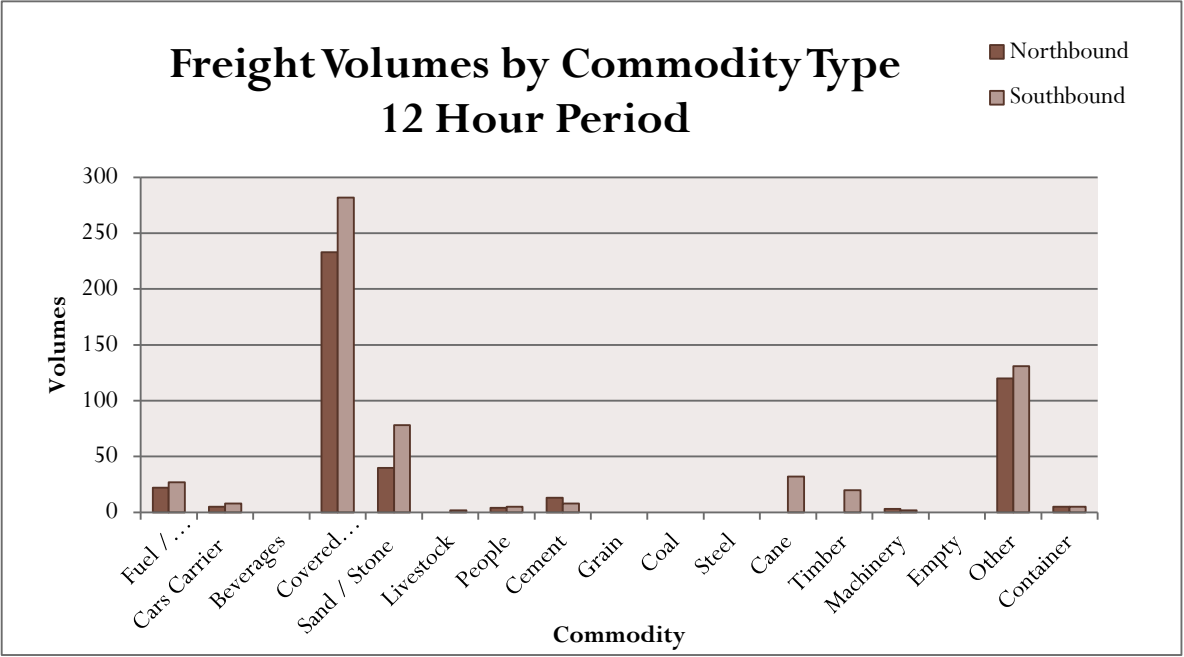


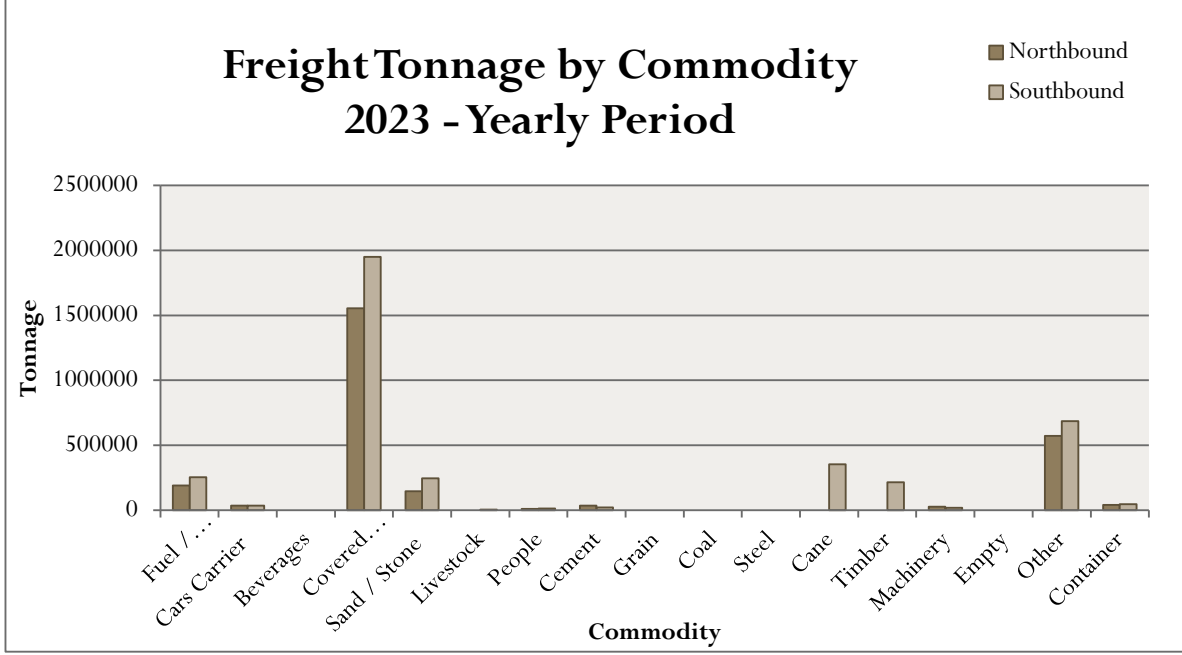
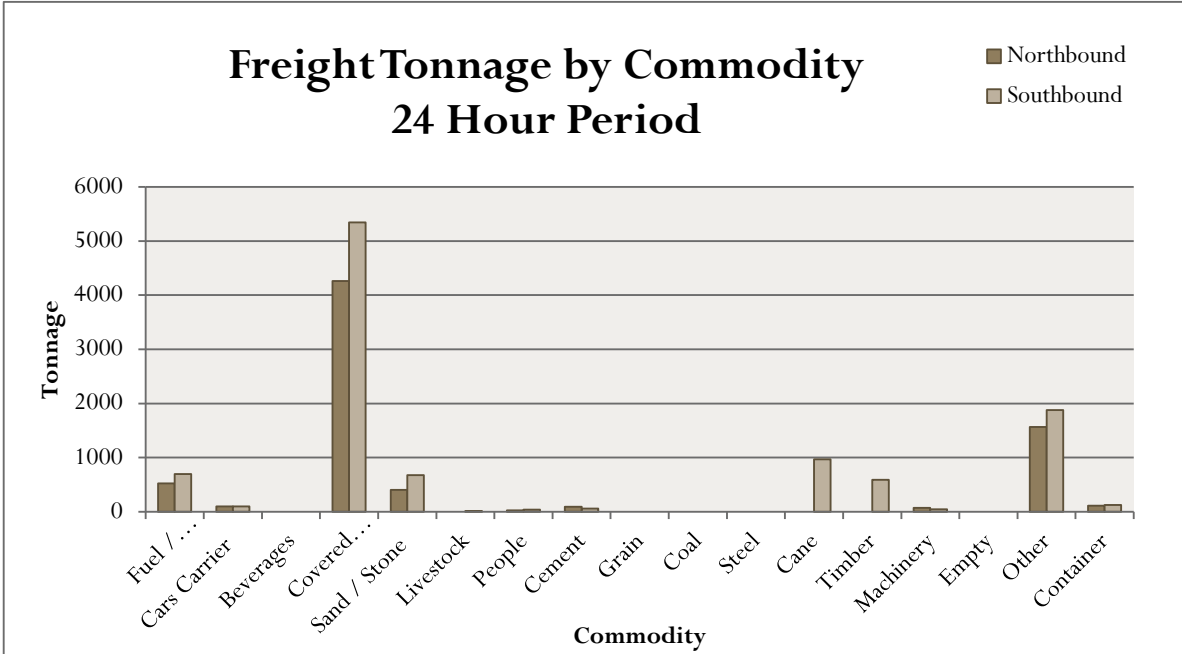
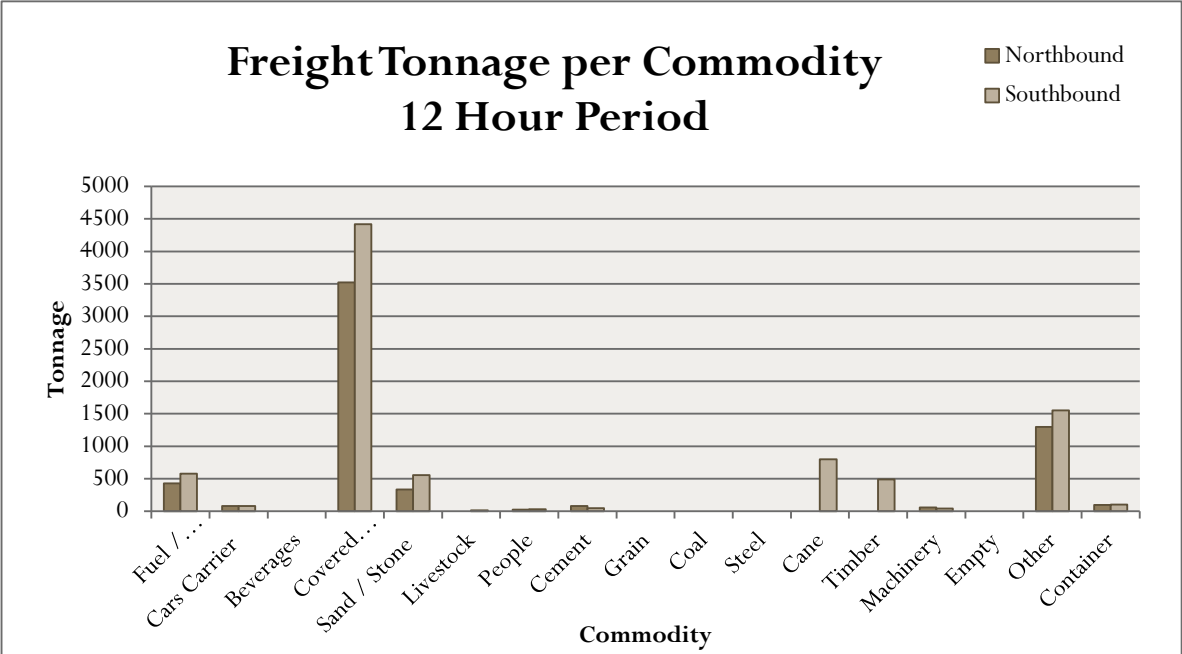
Marburg (N002 Port Shapstone to Harding)

Freight Volumes by Vehicle Class 2023 - Yearly Period









Marburg (N002 Port Shapstone to Harding)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 26-10-2023	
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	400	25	431	Fuel / Chemicals	6	0	0	320	250	576
Cars Carrier	6	0	15	60	0	81	Cars Carrier	30	0	30	20	0	80
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	666	40	30	460	2325	3521	Covered Load / Sail or Tarp	696	100	120	800	2700	4416
Sand / Stone	102	230	0	0	0	332	Sand / Stone	348	190	0	20	0	558
Livestock	0	0	0	0	0	0	Livestock	12	0	0	0	0	12
People	24	0	0	0	0	24	People	30	0	0	0	0	30
Cement	78	0	0	0	0	78	Cement	48	0	0	0	0	48
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	0	0	0	0
Cane	0	0	0	0	0	0	Cane	0	0	0	0	800	800
Timber	0	0	0	0	0	0	Timber	0	0	15	0	475	490
Machinery	0	0	0	60	0	60	Machinery	0	0	0	40	0	40
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	480	60	15	340	400	1295	Other	504	20	15	340	675	1554
Container	0	10	0	60	25	95	Container	0	0	0	80	25	105

Marburg (N002 Port Shapstone to Harding)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 26-10-2023	
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	484	30	522	Fuel / Chemicals	7	0	0	387	303	697
Cars Carrier	7	0	18	73	0	98	Cars Carrier	36	0	36	24	0	97
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	806	48	36	557	2813	4260	Covered Load / Sail or Tarp	842	121	145	968	3267	5343
Sand / Stone	123	278	0	0	0	402	Sand / Stone	421	230	0	24	0	675
Livestock	0	0	0	0	0	0	Livestock	15	0	0	0	0	15
People	29	0	0	0	0	29	People	36	0	0	0	0	36
Cement	94	0	0	0	0	94	Cement	58	0	0	0	0	58
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	0	0	0	0
Cane	0	0	0	0	0	0	Cane	0	0	0	0	968	968
Timber	0	0	0	0	0	0	Timber	0	0	18	0	575	593
Machinery	0	0	0	73	0	73	Machinery	0	0	0	48	0	48
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	581	73	18	411	484	1567	Other	610	24	18	411	817	1880
Container	0	12	0	73	30	115	Container	0	0	0	97	30	127

Marburg (N002 Port Shapstone to Harding)													
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	176660	11041	190351	Fuel / Chemicals	2650	0	0	141328	110413	254390
Cars Carrier	2650	0	6625	26499	0	35774	Cars Carrier	13250	0	13250	8833	0	35332
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	294139	17666	13250	203159	1026836	1555050	Covered Load / Sail or Tarp	307388	44165	52998	353320	1192455	1950326
Sand / Stone	45048	101580	0	0	0	146628	Sand / Stone	153694	83914	0	8833	0	246441
Livestock	0	0	0	0	0	0	Livestock	5300	0	0	0	0	5300
People	10600	0	0	0	0	10600	People	13250	0	0	0	0	13250
Cement	34449	0	0	0	0	34449	Cement	21199	0	0	0	0	21199
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	0	0	0	0
Cane	0	0	0	0	0	0	Cane	0	0	0	0	353320	353320
Timber	0	0	0	0	0	0	Timber	0	0	6625	0	209784	216409
Machinery	0	0	0	26499	0	26499	Machinery	0	0	0	17666	0	17666
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	211992	26499	6625	150161	176660	571937	Other	222592	8833	6625	150161	298114	686324
Container	0	4417	0	26499	11041	41957	Container	0	0	0	35332	11041	46373

Marburg (N002 Port Shapstone to Harding)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)											Date: 26-10-2023		
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				1		2	4 Axle						0
5 Axle						0	5 Axle						0
6 Axle	1			2		5	6 Axle				4		8
≥ 7 Axle					1	3	≥ 7 Axle					1	3
TOTAL						10	TOTAL						11

Marburg (N002 Port Shapstone to Harding)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)											Date: 26-10-2023		
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	1	0	2	4 Axle	0	0	0	0	0	0
5 Axle	0	0	0	0	0	0	5 Axle	0	0	0	0	0	0
6 Axle	1	0	0	2	0	6	6 Axle	0	0	0	5	0	10
≥ 7 Axle	0	0	0	0	1	4	≥ 7 Axle	0	0	0	0	1	4
TOTAL						12	TOTAL						13

Marburg (N002 Port Shapstone to Harding)													
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	442	0	883	4 Axle	0	0	0	0	0	0
5 Axle	0	0	0	0	0	0	5 Axle	0	0	0	0	0	0
6 Axle	442	0	0	883	0	2208	6 Axle	0	0	0	1767	0	3533
≥ 7 Axle	0	0	0	0	442	1325	≥ 7 Axle	0	0	0	0	442	1325
TOTAL						4417	TOTAL						4858