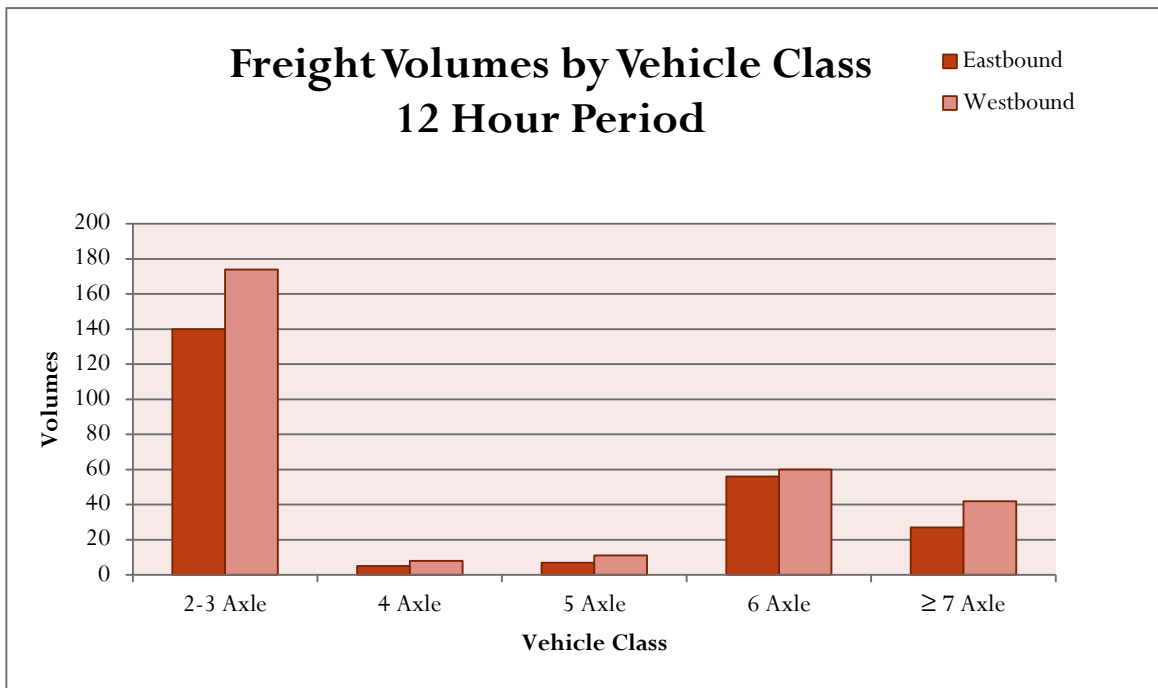


TRAFFIC HIGHLIGHTS OF SITE V11931			
1.1	Site Identifier	V11931	
1.2	Site Name	P496 Station 5	
1.3	Site Description	Segment 5	
1.4	Road Description	Route : Road : P496 Section : Distance : 0.0km	
1.5	GPS Position	32 00 39.9E -28 46 22.5S	
1.6	Number of Lanes	2	
1.7	Station Type	Secondary	
1.8	Requested Period	2021/03/02 - 2021/03/09	
1.9	Length of record requested (hours)	192	
1.10	Actual First & Last Dates	2021/03/02 - 2021/03/09	
1.11	Actual available good data (hours)	168	
1.12	Percentage good data available for requested period	87.8	
		Total	
2.1a	Total number of vehicles (counted)	91687	
2.1b	Total number of vehicles (projected for period)	104442	
2.2	Average daily traffic (ADT)	13055	
2.3	Average daily truck traffic (ADTT)	1179	
2.4	Percentage of trucks	9.0	
2.5	Truck split % (short:medium:long)	36 : 33 : 31	
2.6	Percentage of night traffic (20:00 - 06:00)	12.3	
3.1	Speed limit (km/hr)	60	
3.2	Average speed (km/hr)	87.7	
3.3	Average speed - light vehicles (km/hr)	89.0	
3.4	Average speed - heavy vehicles (km/hr)	74.5	
3.5	Average night speed (km/hr)	87.6	
3.6	15th centile speed (km/hr)	73.6	
3.7	85th centile speed (km/hr)	103.9	
3.8	Percentage vehicles in excess of speed limit	96.4	
4.1	Percentage vehicles in flows over 600 vehicles/hr	78.4	
4.2	Highest volume on the road (vehicles/hr)	2021/03/08 08:00:00	1573
4.3			
4.4			
4.5	Highest volume in a lane (vehicles/hr)	2021/03/08 08:00:00	804
4.6	15th highest volume on the road (vehicles/hr)	2021/03/03 17:00:00	1047
4.7			
4.8			
4.9	30th highest volume on the road (vehicles/hr)	2021/03/03 09:00:00	937
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)	9428	
6.2	Estimated average number of axles per truck	4.6	
6.3	Estimated truck mass (Ton/truck)	26.9	
6.4	Estimated average E80/truck	1.7	
6.5	Estimated daily E80 on the road	2011	
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)	

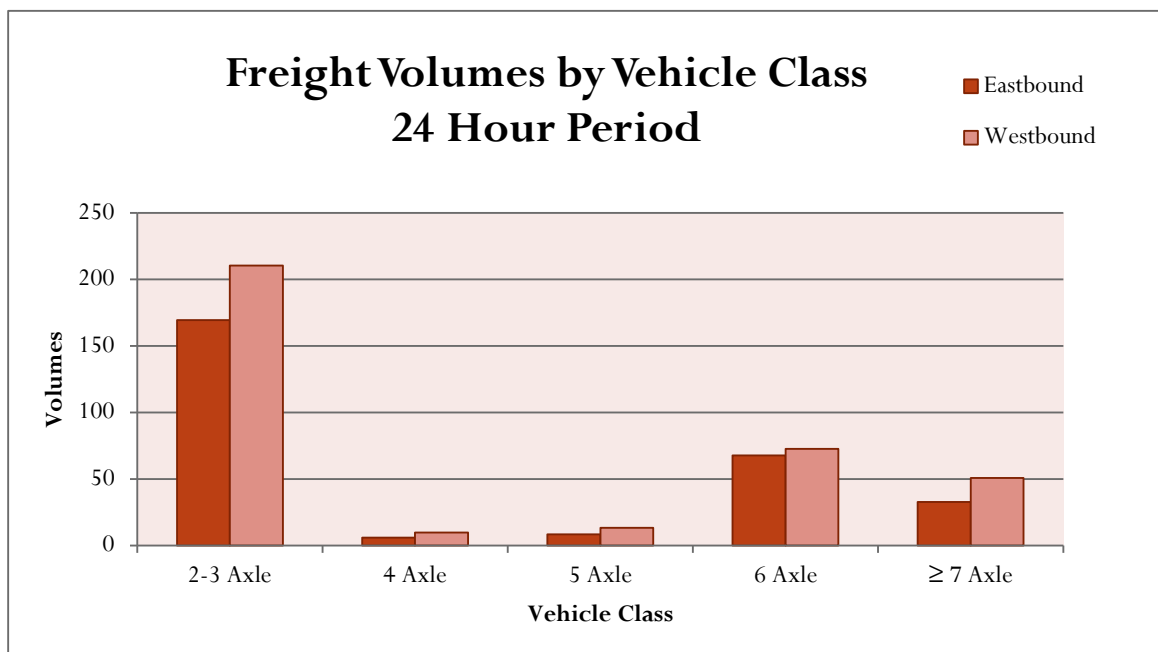
John Ross (R34 Richardsbay to John Ross Highway)

Date: 31-10-2023

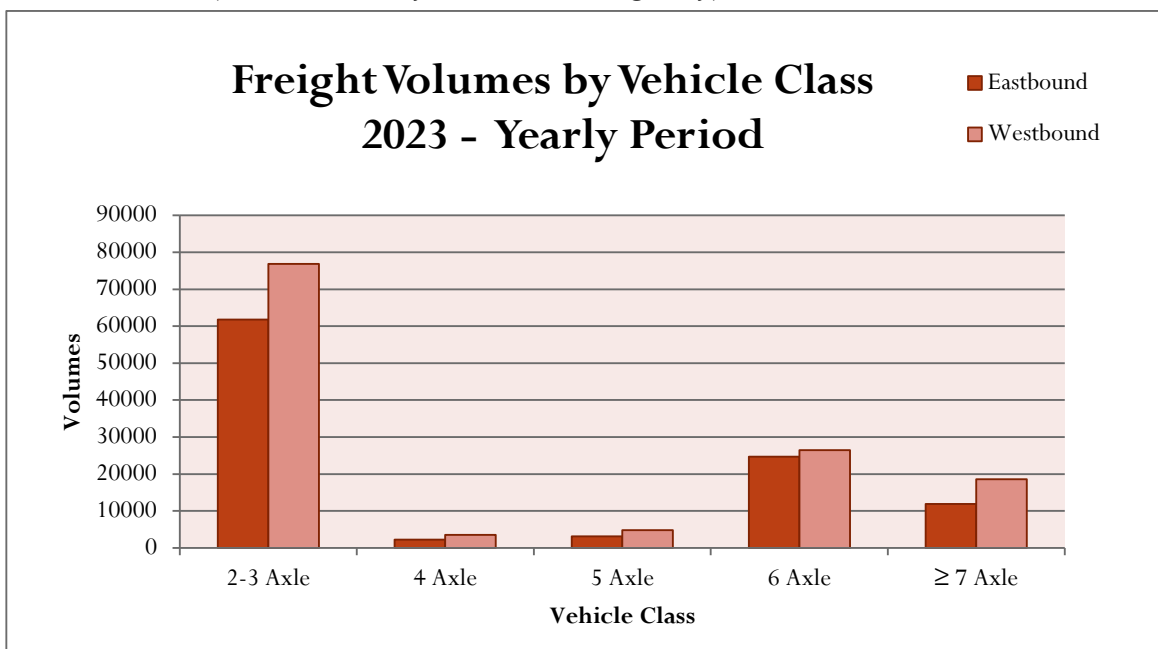


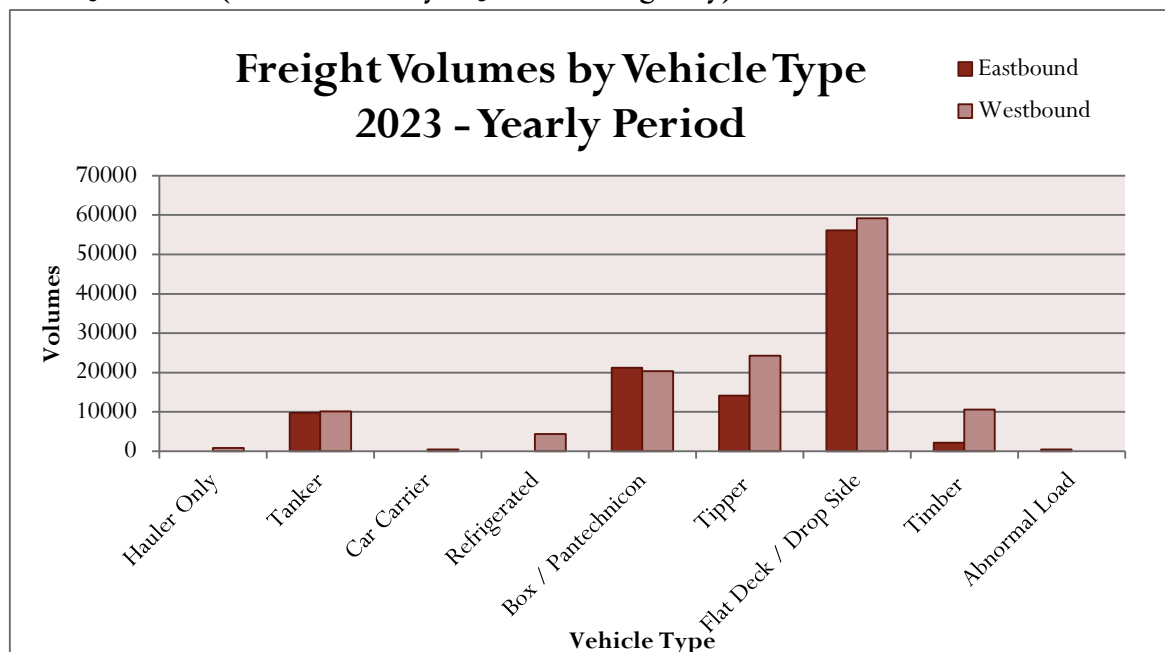
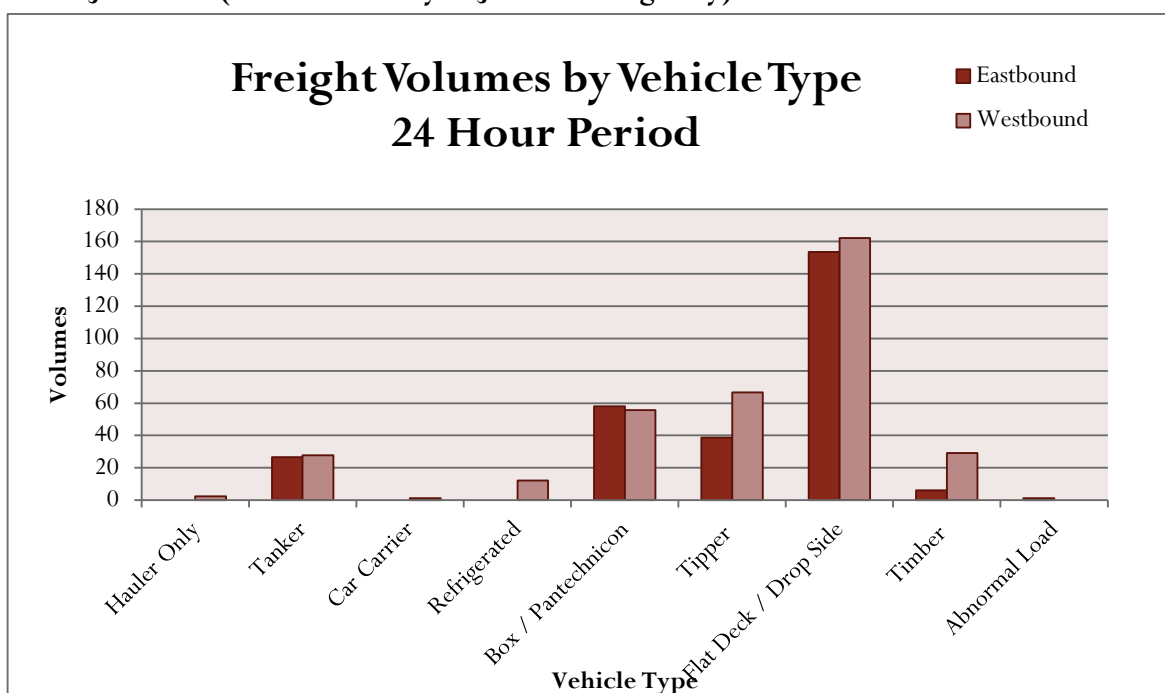
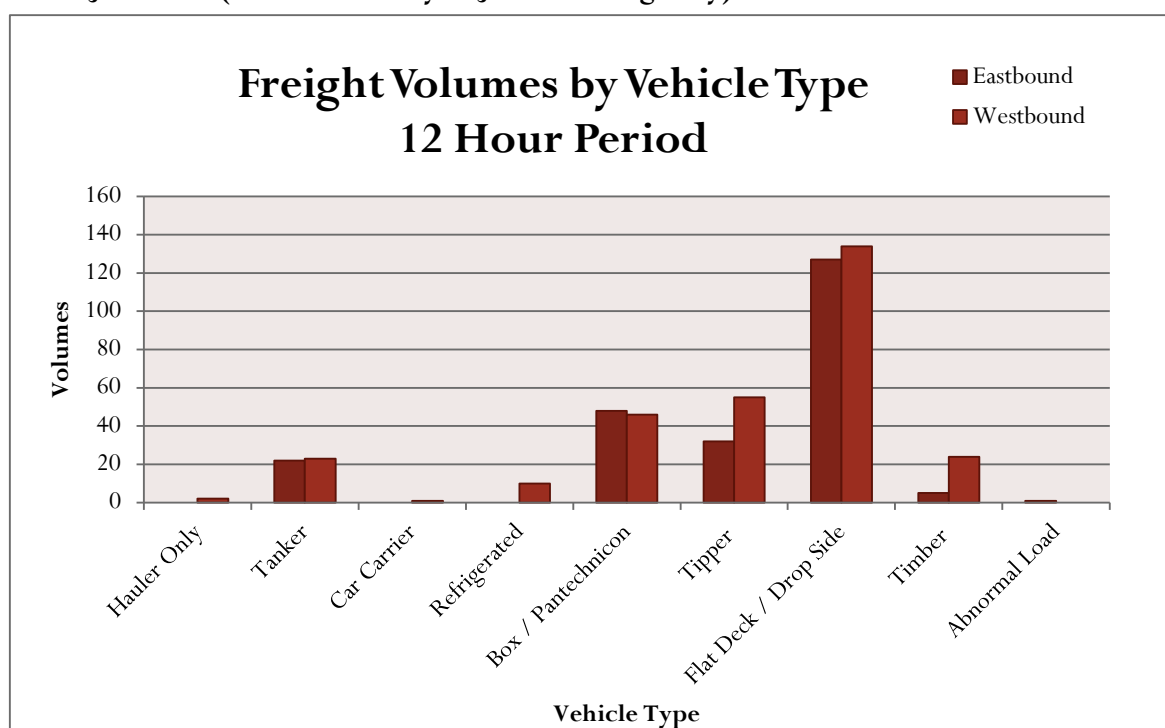
John Ross (R34 Richardsbay to John Ross Highway)

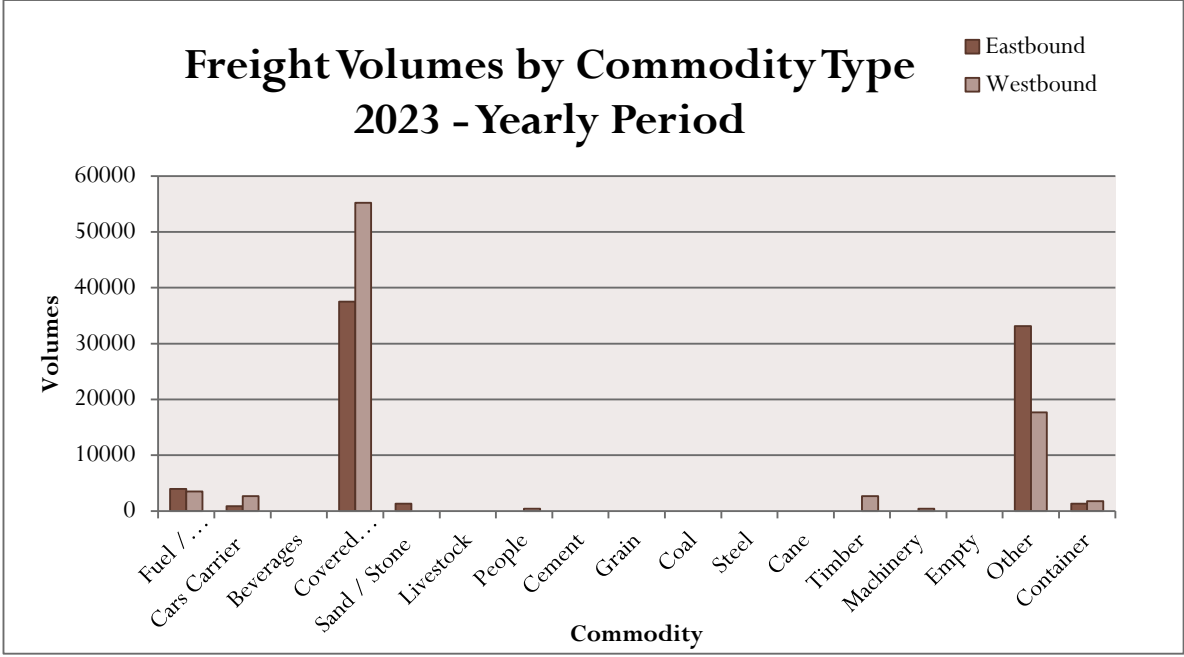
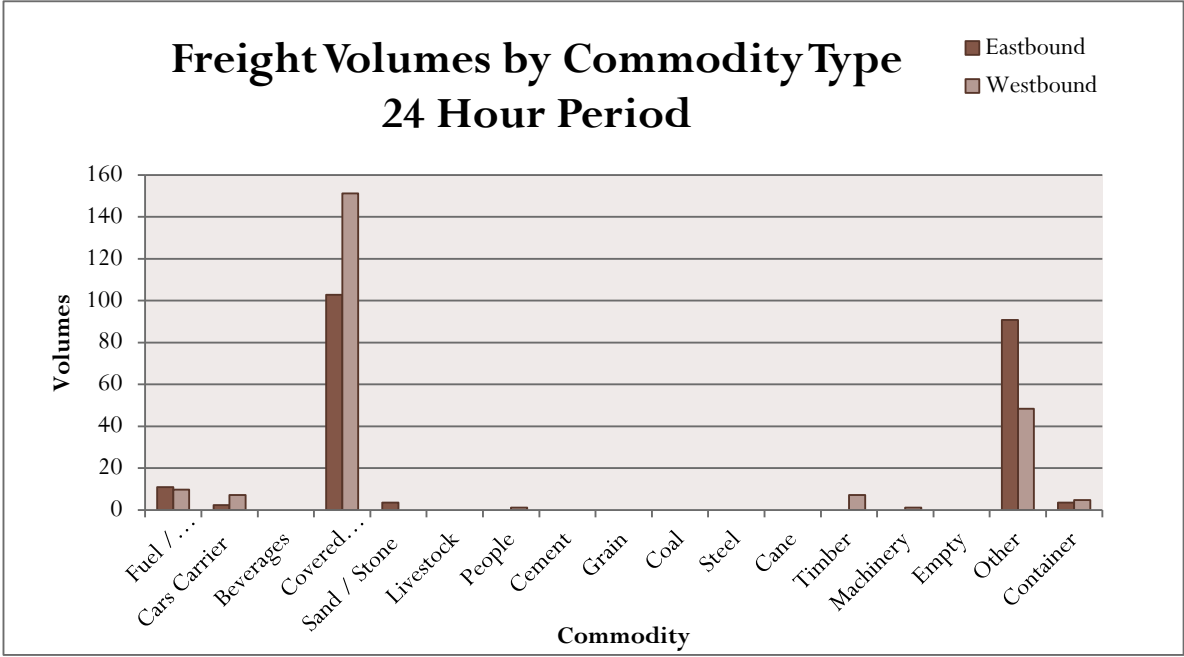
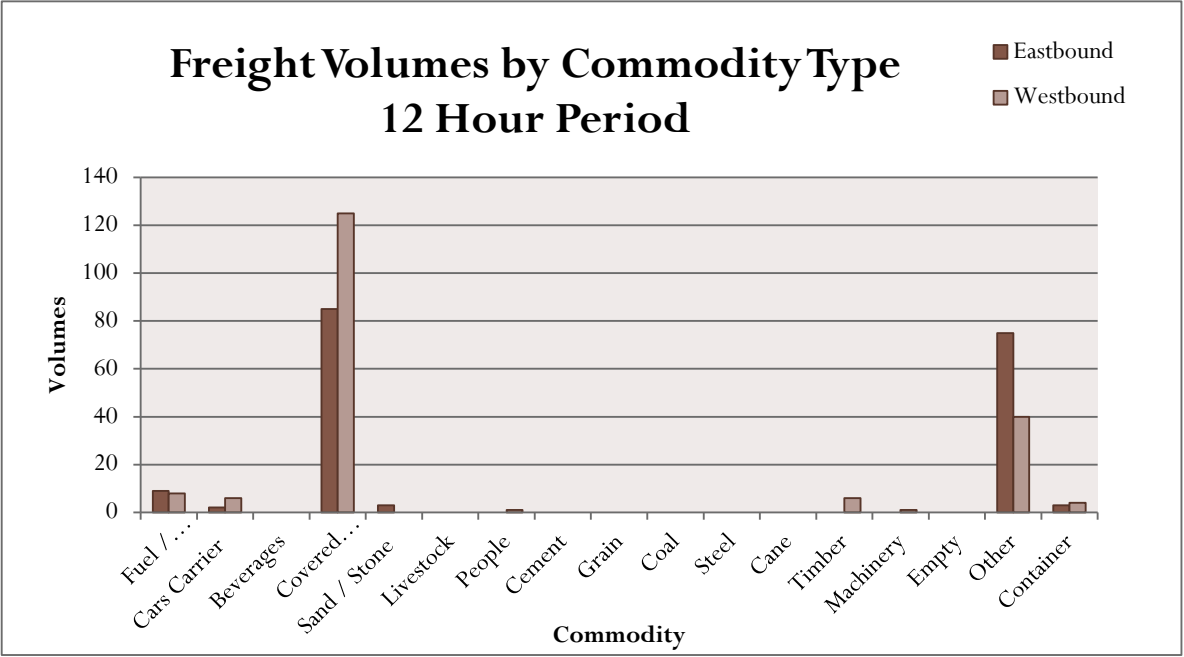
Date: 31-10-2023

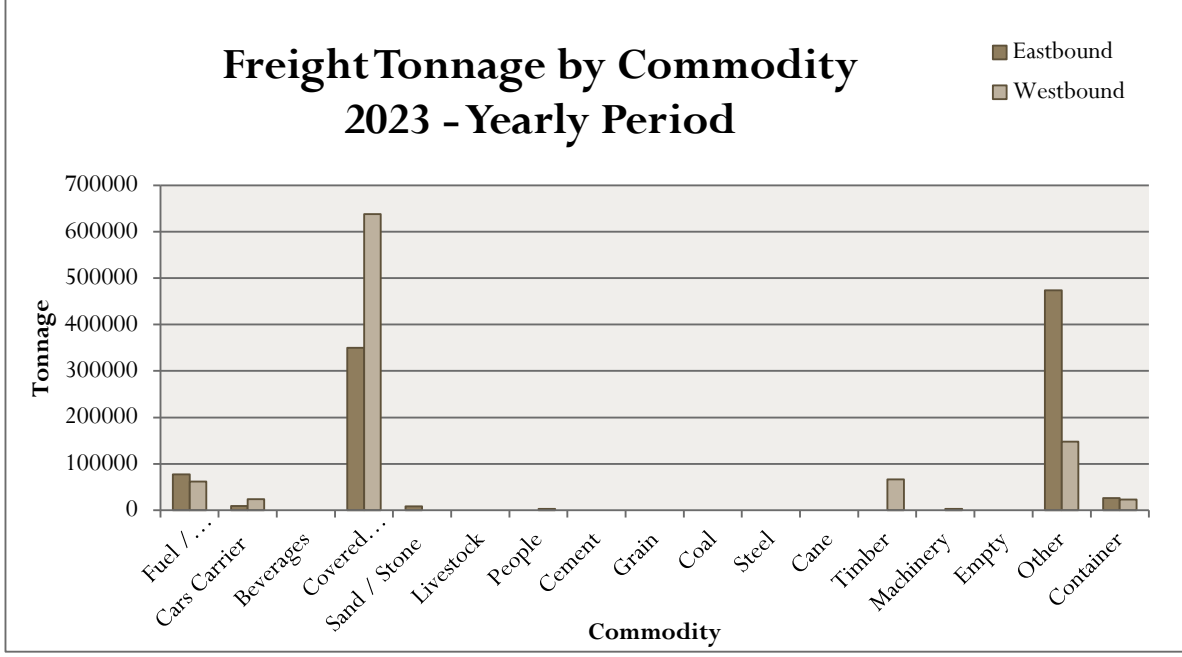
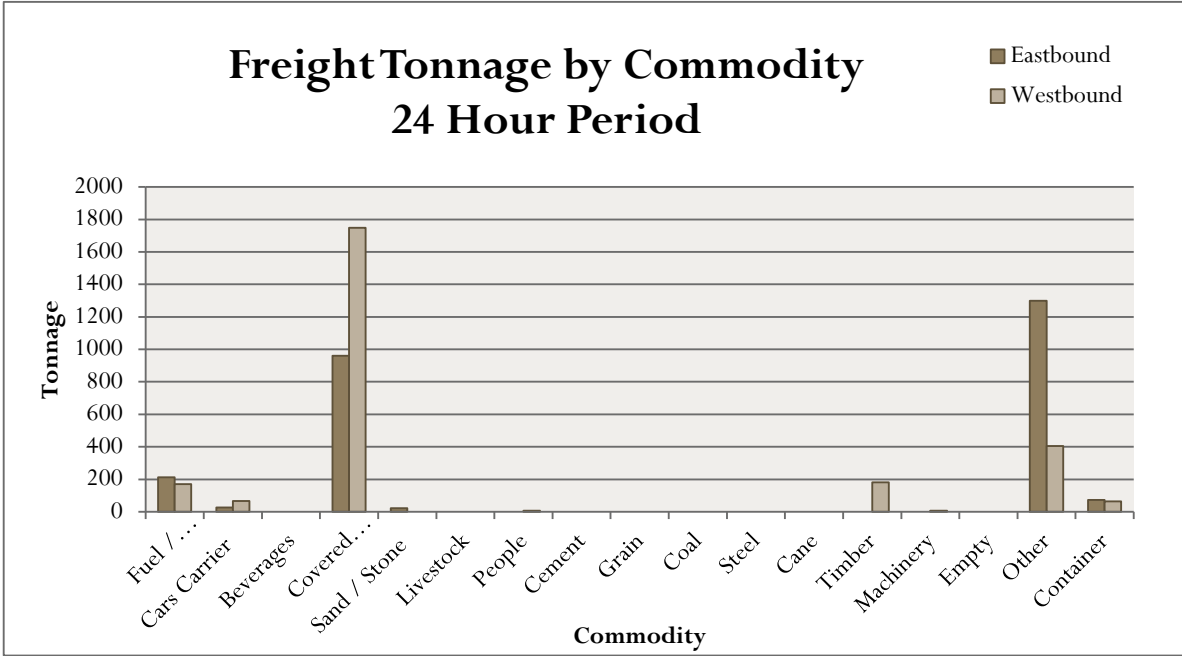
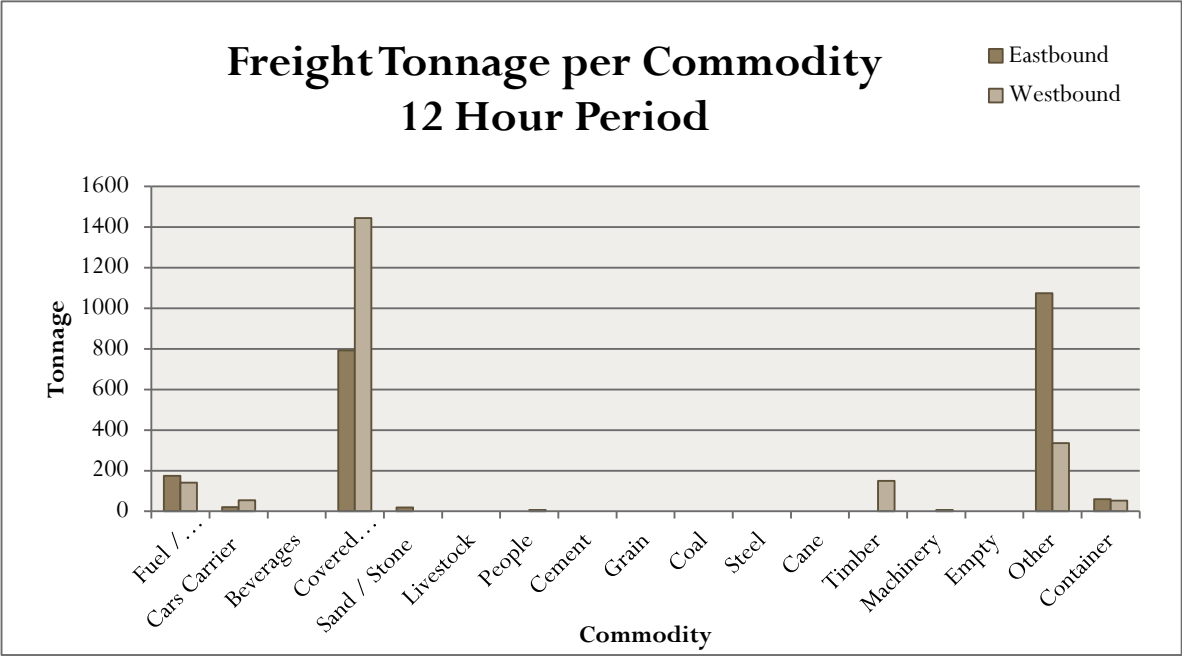


John Ross (R34 Richardsbay to John Ross Highway)









John Ross (R34 Richardsbay to John Ross Highway)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 31-10-2023	
Eastbound							Westbound						
	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	0	0	15	160	0	175	Fuel / Chemicals	0	10	30	100	0	140
Cars Carrier	6	0	15	0	0	21	Cars Carrier	24	0	30	0	0	54
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	408	0	30	80	275	793	Covered Load / Sail or Tarp	504	0	60	180	700	1444
Sand / Stone	18	0	0	0	0	18	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	0	0	0	0	0	0	People	6	0	0	0	0	6
Cement	0	0	0	0	0	0	Cement	0	0	0	0	0	0
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	0	0
Timber	0	0	0	0	0	0	Timber	0	0	0	0	150	150
Machinery	0	0	0	0	0	0	Machinery	6	0	0	0	0	6
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	168	50	15	740	100	1073	Other	180	50	0	80	25	335
Container	0	0	0	60	0	60	Container	12	0	0	40	0	52

John Ross (R34 Richardsbay to John Ross Highway)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 31-10-2023	
Eastbound							Westbound						
	3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total		3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total
Fuel / Chemicals	0	0	18	194	0	212	Fuel / Chemicals	0	12	36	121	0	169
Cars Carrier	7	0	18	0	0	25	Cars Carrier	29	0	36	0	0	65
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	494	0	36	97	333	960	Covered Load / Sail or Tarp	610	0	73	218	847	1747
Sand / Stone	22	0	0	0	0	22	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	0	0	0	0	0	0	People	7	0	0	0	0	7
Cement	0	0	0	0	0	0	Cement	0	0	0	0	0	0
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	0	0
Timber	0	0	0	0	0	0	Timber	0	0	0	0	182	182
Machinery	0	0	0	0	0	0	Machinery	7	0	0	0	0	7
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	203	61	18	895	121	1298	Other	218	61	0	97	30	405
Container	0	0	0	73	0	73	Container	15	0	0	48	0	63

John Ross (R34 Richardsbay to John Ross Highway)													
Freight Tonnage by Commodity by Vehicle Class (Yearly Period)													
Eastbound							Westbound						
	3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total		3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total
Fuel / Chemicals	0	0	6625	70664	0	77289	Fuel / Chemicals	0	4417	13250	44165	0	61831
Cars Carrier	2650	0	6625	0	0	9275	Cars Carrier	10600	0	13250	0	0	23849
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	180193	0	13250	35332	121454	350228	Covered Load / Sail or Tarp	222592	0	26499	79497	309155	637743
Sand / Stone	7950	0	0	0	0	7950	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	0	0	0	0	0	0	People	2650	0	0	0	0	2650
Cement	0	0	0	0	0	0	Cement	0	0	0	0	0	0
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	0	0
Timber	0	0	0	0	0	0	Timber	0	0	0	0	66248	66248
Machinery	0	0	0	0	0	0	Machinery	2650	0	0	0	0	2650
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	74197	22083	6625	326821	44165	473890	Other	79497	22083	0	35332	11041	147953
Container	0	0	0	26499	0	26499	Container	5300	0	0	17666	0	22966

John Ross (R34 Richardsbay to John Ross Highway)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 31-10-2023	
Eastbound							Westbound						
	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	2					2
4 Axle						0	4 Axle						0
5 Axle						0	5 Axle						0
6 Axle	2			1		4	6 Axle	2					2
≥ 7 Axle						0	≥ 7 Axle						0
TOTAL						4	TOTAL						4

John Ross (R34 Richardsbay to John Ross Highway)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 31-10-2023	
Eastbound							Westbound						
	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	2	0	0	0	0	2
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	0	0	0	0	0
6 Axle	2	0	0	1	0	5	6 Axle	2	0	0	0	0	2
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						5	TOTAL						5

John Ross (R34 Richardsbay to John Ross Highway)													
Twenty Foot Equivalent Unit (TEU) (Yearly Period)													
Eastbound							Westbound						
	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	883	0	0	0	0	883
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	0	0	0	0	0
6 Axle	883	0	0	442	0	1767	6 Axle	883	0	0	0	0	883
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						1767	TOTAL						1767