

TRAFFIC HIGHLIGHTS OF SITE 1096			
1.1	Site Identifier		1096
1.2	Site Name		Pieter's Station
1.3	Site Description		Between Colenso and Ezakheni
1.4	Road Description	Route : P544 Road : P544 Section : 01 Distance : 0.4km	
1.5	GPS Position		29 48 38.6E -28 43 30.8S
1.6	Number of Lanes		2
1.7	Station Type		Permanent
1.8	Requested Period		2023/01/01 - 2023/12/31
1.9	Length of record requested (hours)		8760
1.10	Actual First & Last Dates		2023/12/01 - 2023/12/22
1.11	Actual available good data (hours)		512
1.12	Percentage good data available for requested period		5.8
		To Ezakheni	To Colenso
2.1a	Total number of vehicles (counted)	36217	36930
2.1b	Total number of vehicles (projected for period)	619355	631548
2.2	Average daily traffic (ADT)	1697	1730
2.3	Average daily truck traffic (ADTT)	571	630
2.4	Percentage of trucks	33.6	36.4
2.5	Truck split % (short:medium:long)	14 : 10 : 76	13 : 7 : 80
2.6	Percentage of night traffic (20:00 - 06:00)	15.6	15.8
3.1	Speed limit (km/hr)		100
3.2	Average speed (km/hr)	71.9	77.9
3.3	Average speed - light vehicles (km/hr)	77.4	83.5
3.4	Average speed - heavy vehicles (km/hr)	61.2	68.2
3.5	Average night speed (km/hr)	68.0	73.3
3.6	15th centile speed (km/hr)	57.9	61.9
3.7	85th centile speed (km/hr)	88.0	96.0
3.8	Percentage vehicles in excess of speed limit	4.0	10.2
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	0.0
4.2	Highest volume on the road (vehicles/hr)		2023/12/17 16:00:00
4.3	Highest volume in the North (vehs/hr)		2023/12/17 16:00:00
4.4	Highest volume in the South (vehs/hr)		2023/12/22 09:00:00
4.5	Highest volume in a lane (vehicles/hr)		2023/12/22 09:00:00
4.6	15th highest volume on the road (vehicles/hr)		2023/12/07 15:00:00
4.7	15th highest volume in the North direction (vehs/hr)		2023/12/08 08:00:00
4.8	15th highest volume in the South direction (vehs/hr)		2023/12/08 17:00:00
4.9	30th highest volume on the road (vehicles/hr)		2023/12/02 17:00:00
4.10	30th highest volume in the North direction (vehs/hr)		2023/12/21 17:00:00
4.11	30th highest volume in the South direction (vehs/hr)		2023/12/19 13:00:00
5.1	Percentage of vehicles less than 2s behind vehicle ahead		
6.1	Total number of heavy vehicles (projected for period)	208413	229977
6.2	Estimated average number of axles per truck	6.1	6.2
6.3	Estimated truck mass (Ton/truck)	34.8	35.5
6.4	Estimated average E80/truck	1.9	1.9
6.5	Estimated daily E80 on the road		2315
6.6	Estimated daily E80 in the North direction		1095
6.7	Estimated daily E80 in the South direction		1221
6.8	Estimated daily E80 in the worst North lane		1095
6.9	Estimated daily E80 in the worst South lane		1221
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

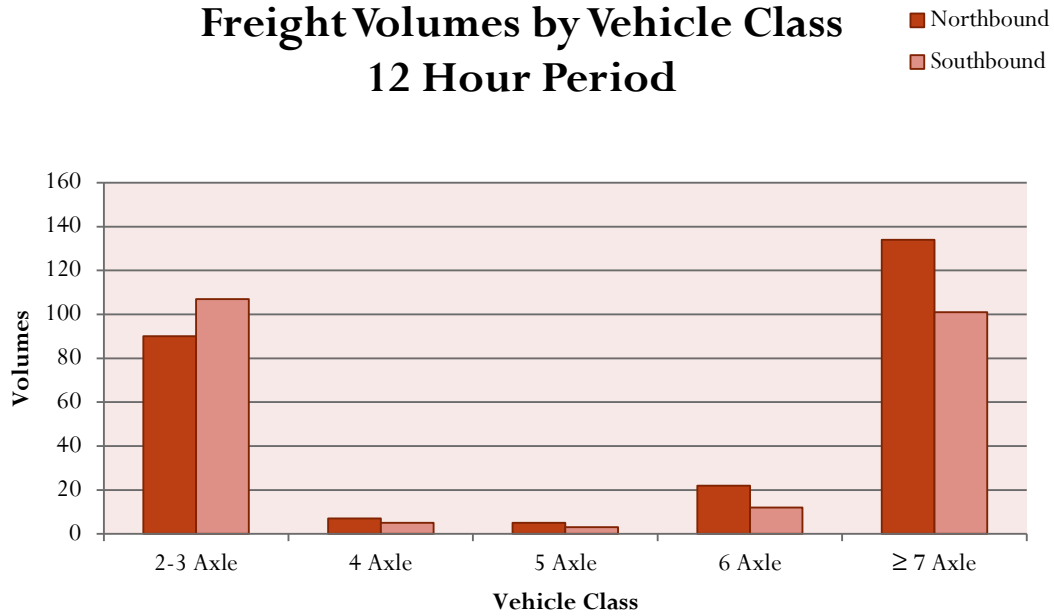
Date : 2023/10/02
Site : 1096 - Pieter's Station
Description : Between Colenso and Ezakheni

Date	Time	Dur.	Lane 1			Lane 2			To Ezakheni			To Colenso		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	1123	634	1757	1015	667	1682	1123	634	1757	1015	667	1682
231003	00:00	24:00	933	711	1644	887	738	1625	933	711	1644	887	738	1625
231004	00:00	24:00	957	686	1643	941	601	1542	957	686	1643	941	601	1542
231005	00:00	24:00	1014	654	1668	1073	738	1811	1014	654	1668	1073	738	1811
231006	00:00	24:00	1189	593	1782	1175	601	1776	1189	593	1782	1175	601	1776
231007	00:00	24:00	1152	398	1550	1086	491	1577	1152	398	1550	1086	491	1577
231008	00:00	24:00	1306	373	1679	1214	317	1531	1306	373	1679	1214	317	1531

Pieters Station (R103 Colenso to Ezakheni)

Date: 18-10-2023

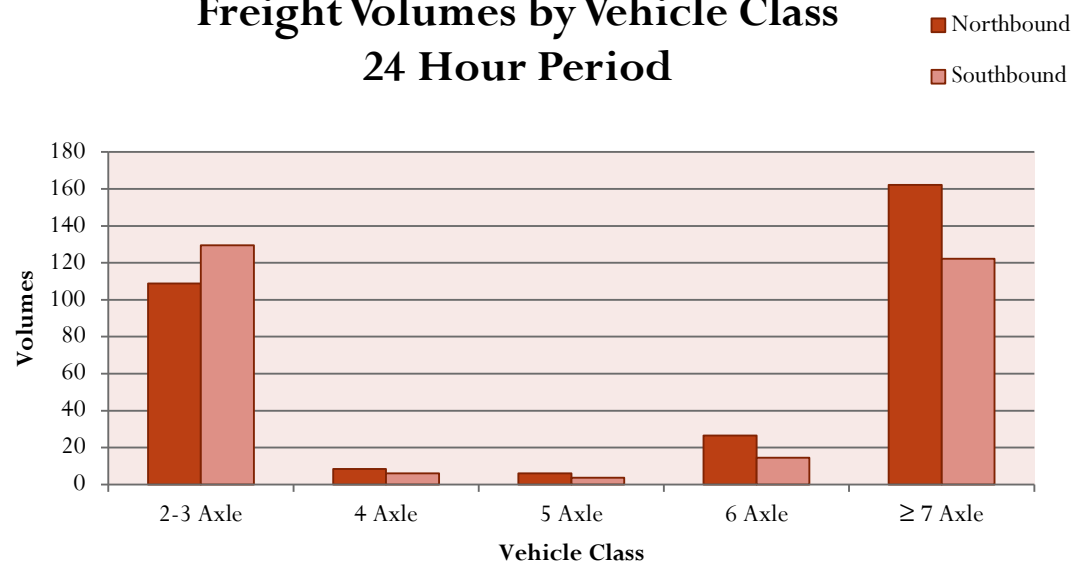
Freight Volumes by Vehicle Class 12 Hour Period



Pieters Station (R103 Colenso to Ezakheni)

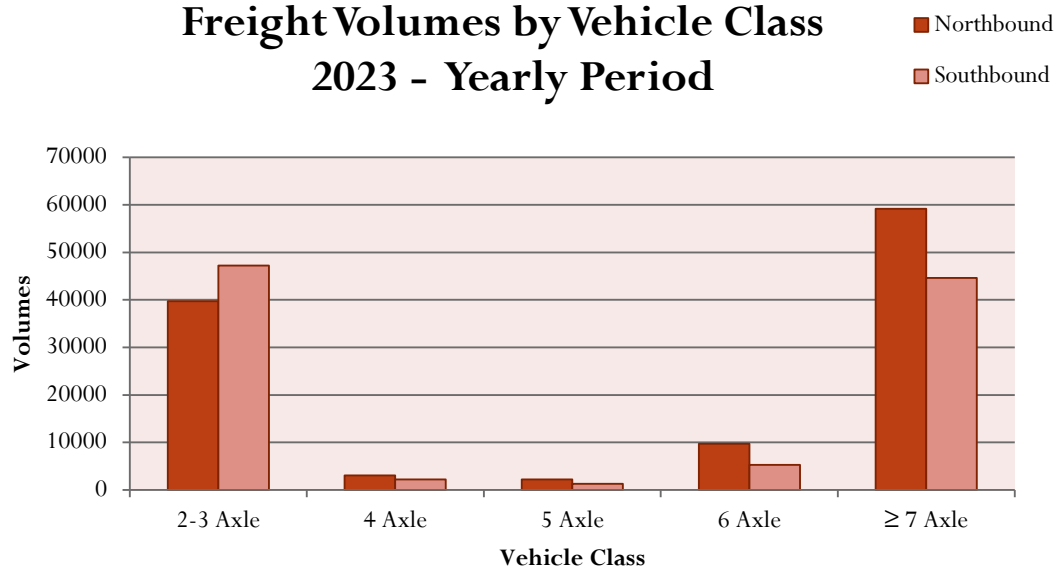
Date: 18-10-2023

Freight Volumes by Vehicle Class 24 Hour Period



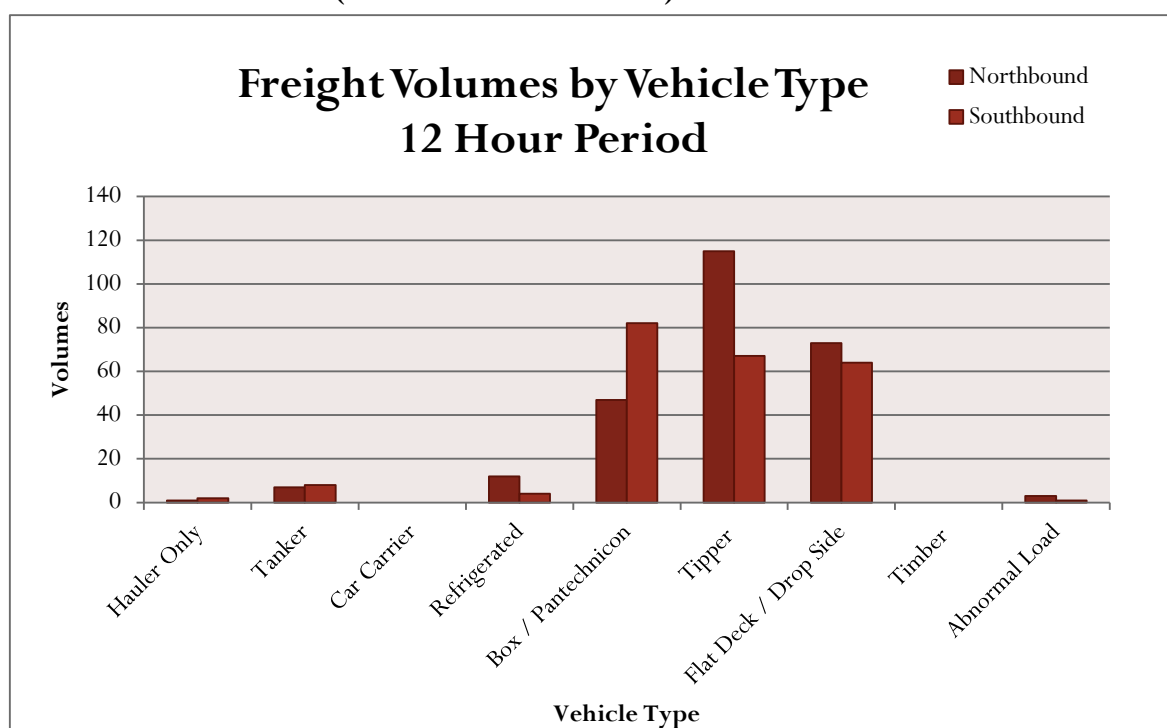
Pieters Station (R103 Colenso to Ezakheni)

Freight Volumes by Vehicle Class 2023 - Yearly Period



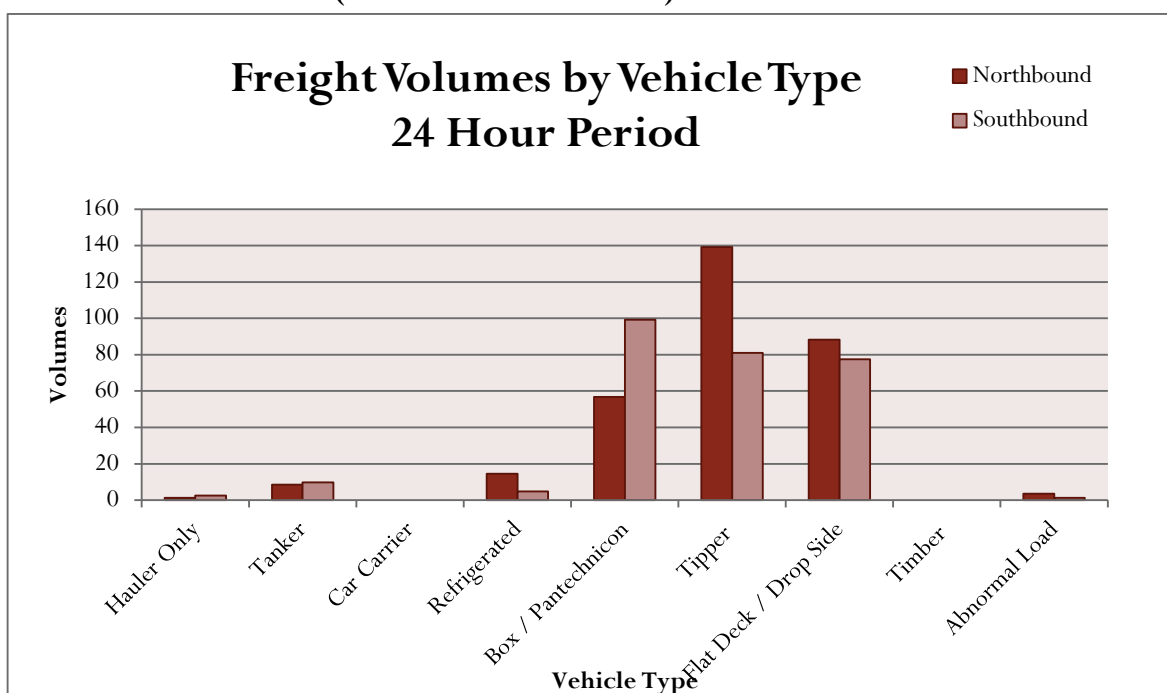
Pieters Station (R103 Colenso to Ezakheni)

Date: 18-10-2023

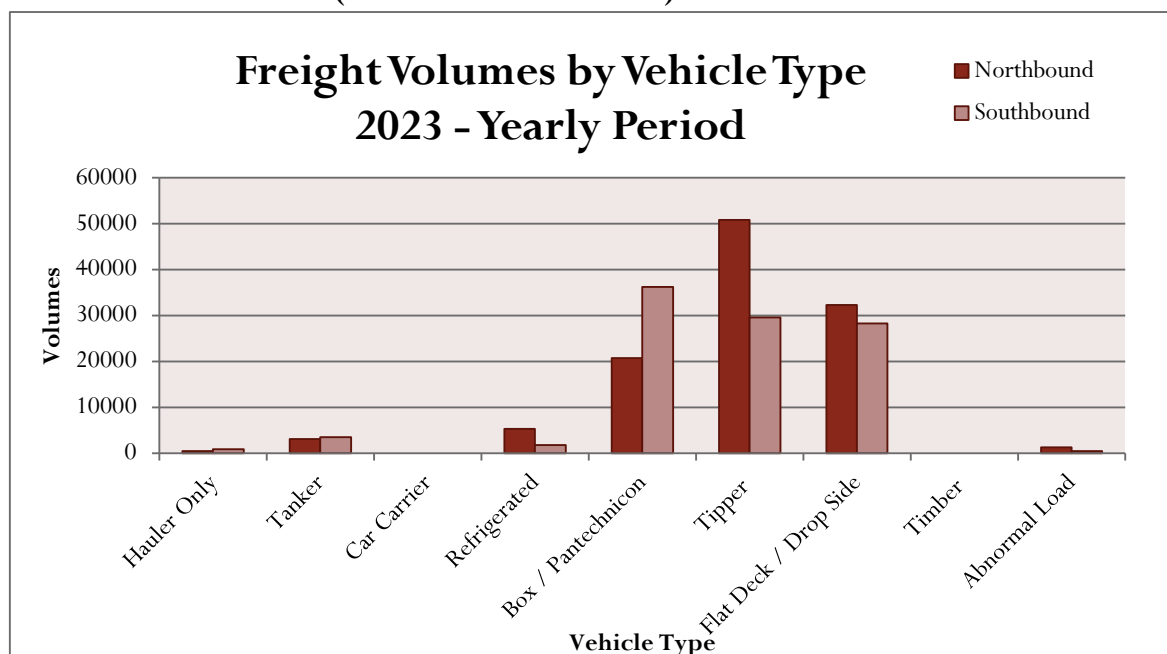


Pieters Station (R103 Colenso to Ezakheni)

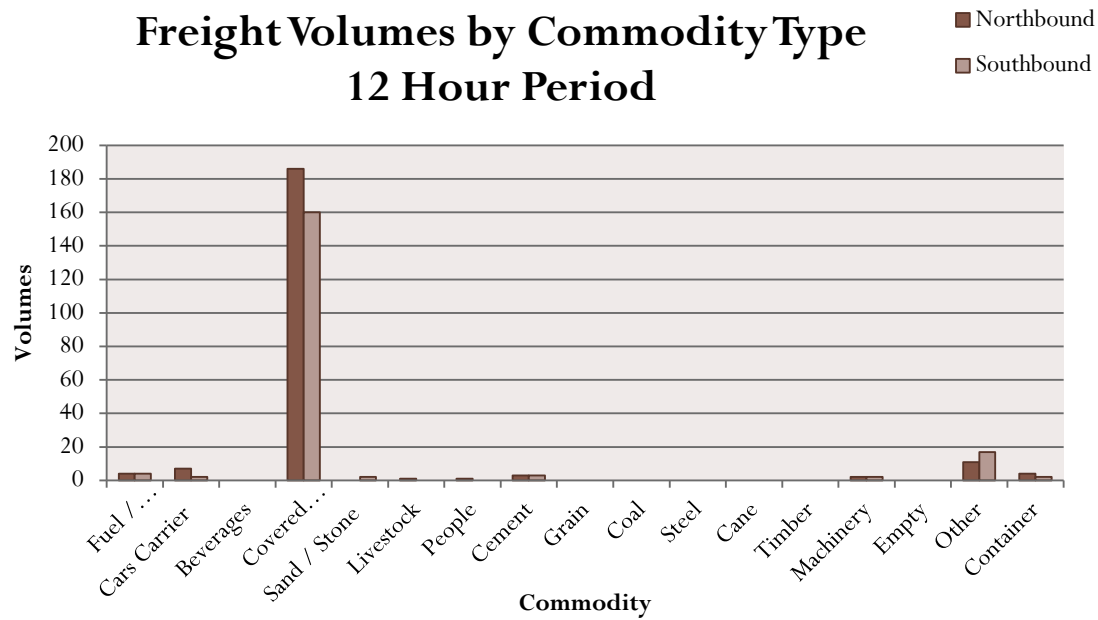
Date: 18-10-2023



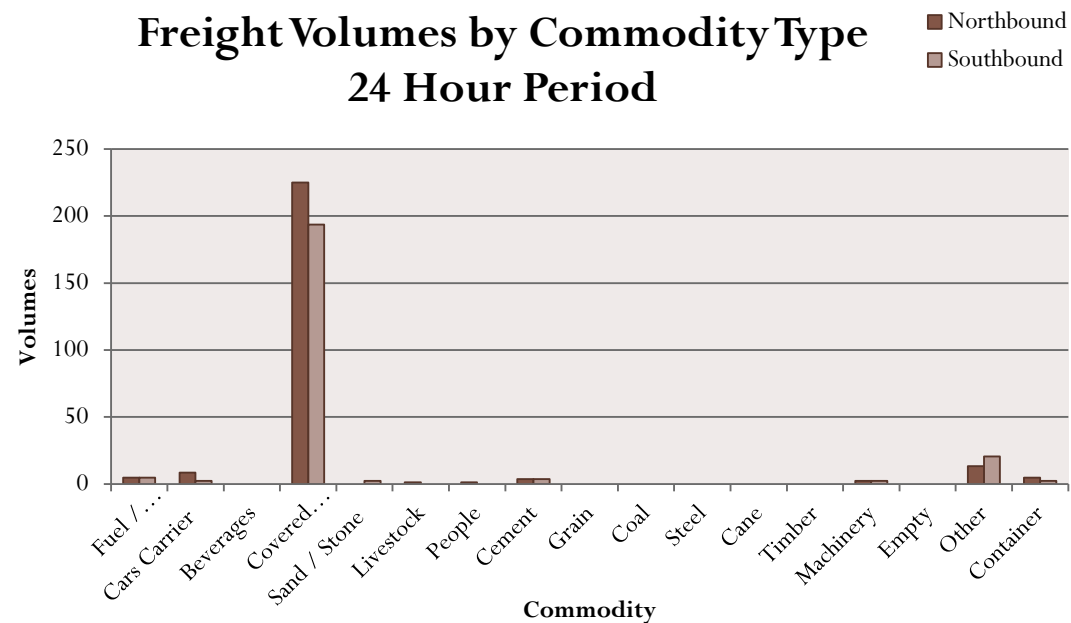
Pieters Station (R103 Colenso to Ezakheni)



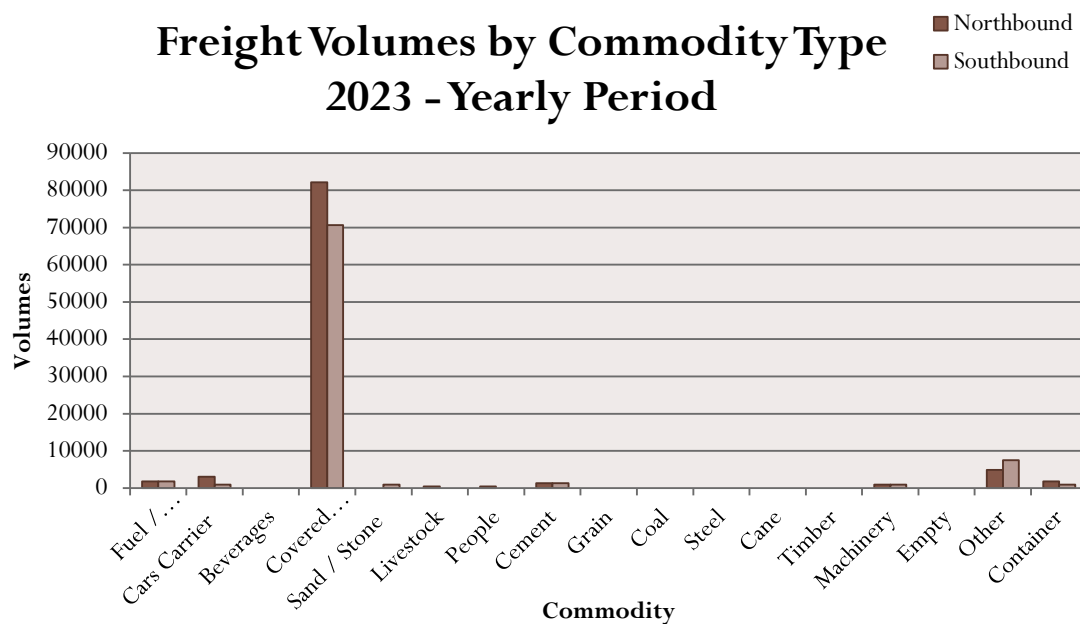
Freight Volumes by Commodity Type 12 Hour Period



Freight Volumes by Commodity Type 24 Hour Period

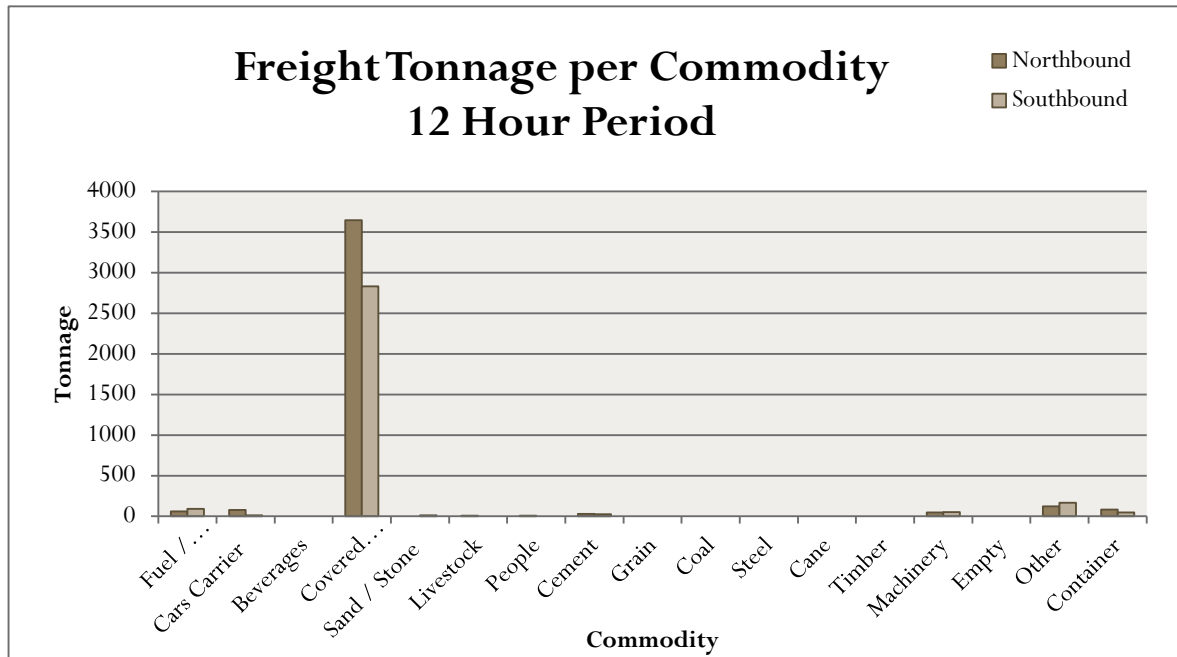


Freight Volumes by Commodity Type 2023 - Yearly Period



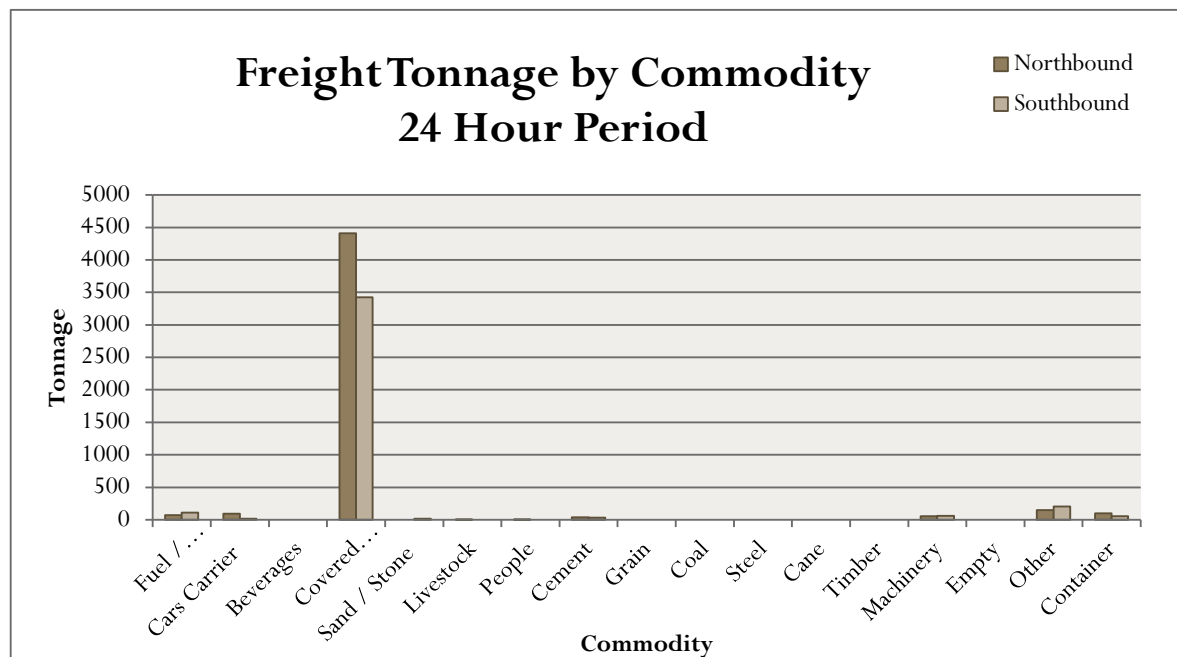
Pieters Station (R103 Colenso to Ezakheni)

Date: 18-10-2023

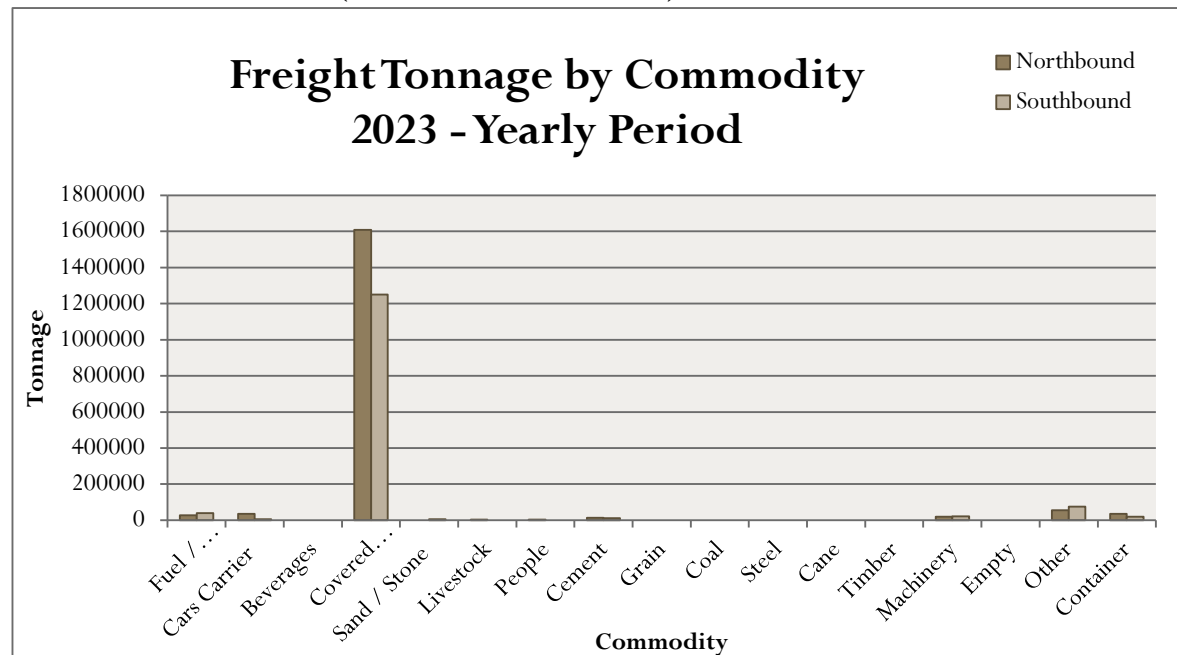


Pieters Station (R103 Colenso to Ezakheni)

Date: 18-10-2023



Pieters Station (R103 Colenso to Ezakheni)



Pieters Station (R103 Colenso to Ezakheni)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 18-10-2023	
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	15	40	0	61	Fuel / Chemicals	0	0	0	40	50	90
Cars Carrier	24	0	15	40	0	79	Cars Carrier	12	0	0	0	0	12
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	288	40	15	100	3200	3643	Covered Load / Sail or Tarp	336	30	45	120	2300	2831
Sand / Stone	0	0	0	0	0	0	Sand / Stone	12	0	0	0	0	12
Livestock	6	0	0	0	0	6	Livestock	0	0	0	0	0	0
People	6	0	0	0	0	6	People	0	0	0	0	0	0
Cement	0	30	0	0	0	30	Cement	6	20	0	0	0	26
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	0	0
Machinery	0	0	0	20	25	45	Machinery	0	0	0	0	50	50
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	48	0	0	0	75	123	Other	78	0	0	40	50	168
Container	0	0	0	80	0	80	Container	0	0	0	20	25	45

Pieters Station (R103 Colenso to Ezakheni)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 18-10-2023	
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	18	48	0	74	Fuel / Chemicals	0	0	0	48	61	109
Cars Carrier	29	0	18	48	0	96	Cars Carrier	15	0	0	0	0	15
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	348	48	18	121	3872	4408	Covered Load / Sail or Tarp	407	36	54	145	2783	3426
Sand / Stone	0	0	0	0	0	0	Sand / Stone	15	0	0	0	0	15
Livestock	7	0	0	0	0	7	Livestock	0	0	0	0	0	0
People	7	0	0	0	0	7	People	0	0	0	0	0	0
Cement	0	36	0	0	0	36	Cement	7	24	0	0	0	31
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	0	0
Machinery	0	0	0	24	30	54	Machinery	0	0	0	0	61	61
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	58	0	0	0	91	149	Other	94	0	0	48	61	203
Container	0	0	0	97	0	97	Container	0	0	0	24	30	54

Pieters Station (R103 Colenso to Ezakheni)													
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	6625	17666	0	26941	Fuel / Chemicals	0	0	0	17666	22083	39749
Cars Carrier	10600	0	6625	17666	0	34890	Cars Carrier	5300	0	0	0	0	5300
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	127195	17666	6625	44165	1413280	1608931	Covered Load / Sail or Tarp	148394	13250	19874	52998	1015795	1250311
Sand / Stone	0	0	0	0	0	0	Sand / Stone	5300	0	0	0	0	5300
Livestock	2650	0	0	0	0	2650	Livestock	0	0	0	0	0	0
People	2650	0	0	0	0	2650	People	0	0	0	0	0	0
Cement	0	13250	0	0	0	13250	Cement	2650	8833	0	0	0	11483
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	0	0
Machinery	0	0	0	8833	11041	19874	Machinery	0	0	0	0	22083	22083
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	21199	0	0	0	33124	54323	Other	34449	0	0	17666	22083	74197
Container	0	0	0	35332	0	35332	Container	0	0	0	8833	11041	19874

