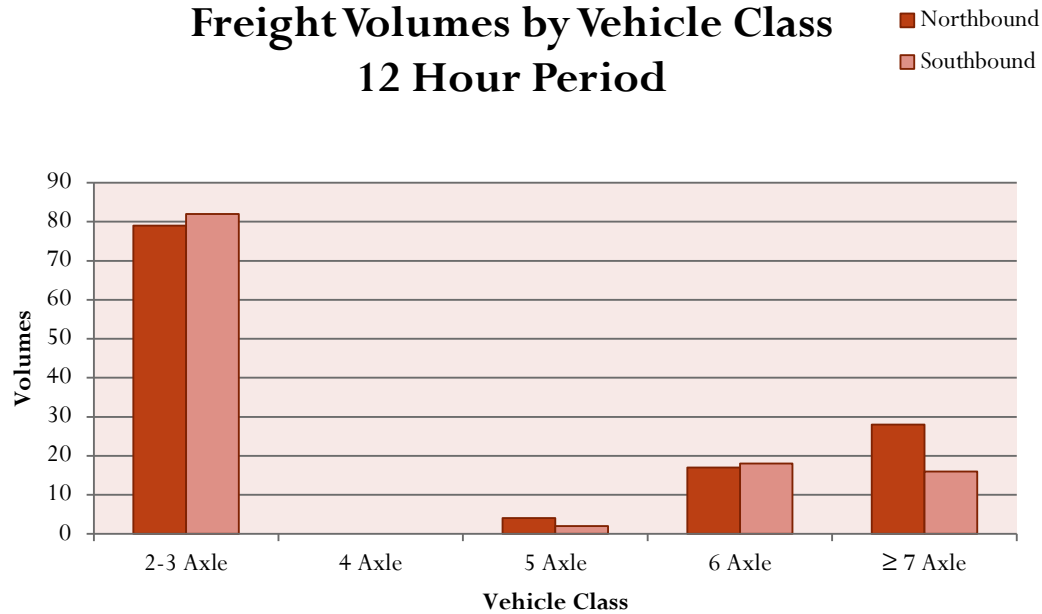
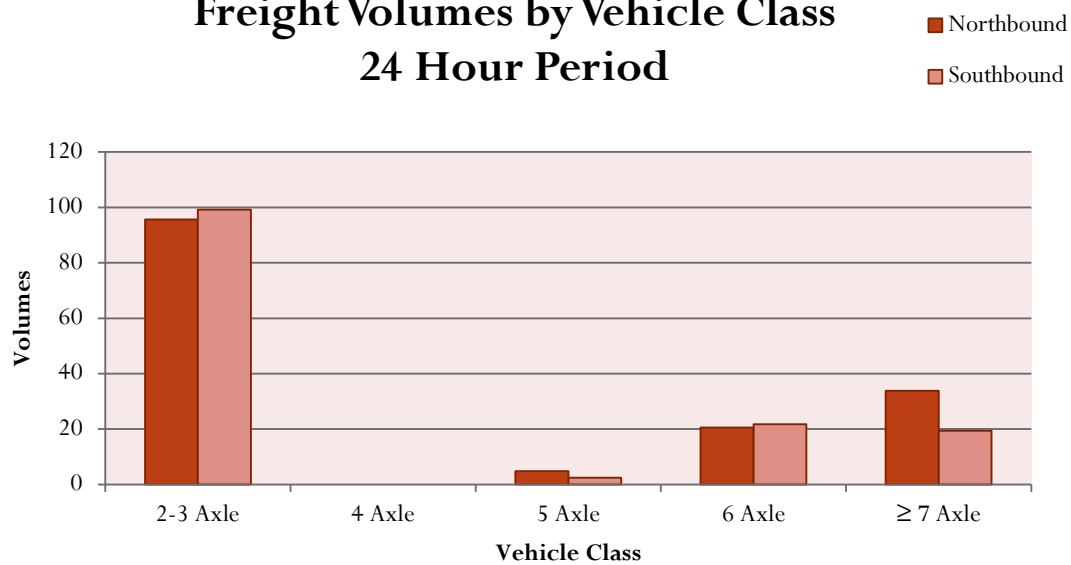


TRAFFIC HIGHLIGHTS OF SITE V9673			
1.1	Site Identifier	V9673	
1.2	Site Name	P316-1 Station 9	
1.3	Site Description	Segment 2	
1.4	Road Description	Route : Road : P316-1 Section : Distance : 0.0km	
1.5	GPS Position	29 28 55.3E -29 46 48.8S	
1.6	Number of Lanes	2	
1.7	Station Type		
1.8	Requested Period	2021/05/27 - 2021/06/04	
1.9	Length of record requested (hours)	216	
1.10	Actual First & Last Dates	2021/05/27 - 2021/06/04	
1.11	Actual available good data (hours)	201	
1.12	Percentage good data available for requested period	93.5	
		To Underberg	Total
2.1a	Total number of vehicles (counted)	9277	18839
2.1b	Total number of vehicles (projected for period)	9925	20155
2.2	Average daily traffic (ADT)	1103	2239
2.3	Average daily truck traffic (ADTT)	74	156
2.4	Percentage of trucks	6.7	7.0
2.5	Truck split % (short:medium:long)	37 : 10 : 53	35 : 11 : 54
2.6	Percentage of night traffic (20:00 - 06:00)	5.7	7.8
3.1	Speed limit (km/hr)		100
3.2	Average speed (km/hr)	91.4	91.0
3.3	Average speed - light vehicles (km/hr)	93.1	92.5
3.4	Average speed - heavy vehicles (km/hr)	68.0	71.6
3.5	Average night speed (km/hr)	87.5	87.2
3.6	15th centile speed (km/hr)	73.7	73.7
3.7	85th centile speed (km/hr)	111.9	109.9
3.8	Percentage vehicles in excess of speed limit	32.8	30.9
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	0.0
4.2	Highest volume on the road (vehicles/hr)	2021/06/04 16:00:00	263
4.3	Highest volume in the East (vehs/hr)	2021/05/30 15:00:00	144
4.4	Highest volume in the West (vehs/hr)	2021/06/04 17:00:00	171
4.5	Highest volume in a lane (vehicles/hr)	2021/06/04 17:00:00	171
4.6	15th highest volume on the road (vehicles/hr)	2021/05/28 17:00:00	198
4.7	15th highest volume in the East direction (vehs/hr)	2021/05/30 11:00:00	105
4.8	15th highest volume in the West direction (vehs/hr)	2021/06/03 15:00:00	105
4.9	30th highest volume on the road (vehicles/hr)	2021/06/02 17:00:00	182
4.10	30th highest volume in the East direction (vehs/hr)	2021/05/27 16:00:00	93
4.11	30th highest volume in the West direction (vehs/hr)	2021/05/27 15:00:00	90
5.1	Percentage of vehicles less than 2s behind vehicle ahead		
6.1	Total number of heavy vehicles (projected for period)	665	1406
6.2	Estimated average number of axles per truck	5.0	5.0
6.3	Estimated truck mass (Ton/truck)	28.3	28.6
6.4	Estimated average E80/truck	1.6	1.6
6.5	Estimated daily E80 on the road		251
6.6	Estimated daily E80 in the East direction		118
6.7	Estimated daily E80 in the West direction		133
6.8	Estimated daily E80 in the worst East lane		118
6.9	Estimated daily E80 in the worst West lane		133
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)

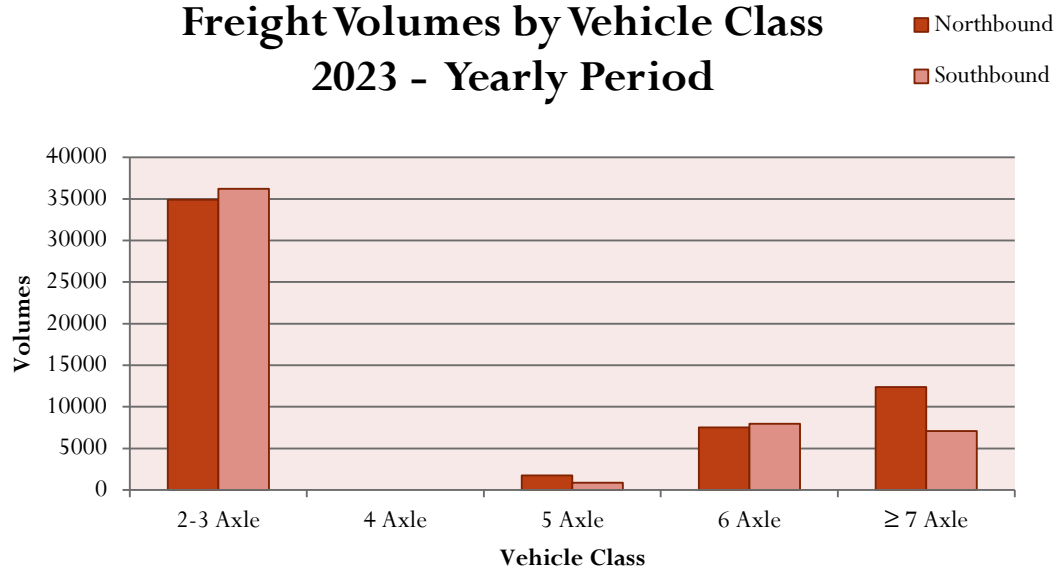
Freight Volumes by Vehicle Class 12 Hour Period



Freight Volumes by Vehicle Class 24 Hour Period

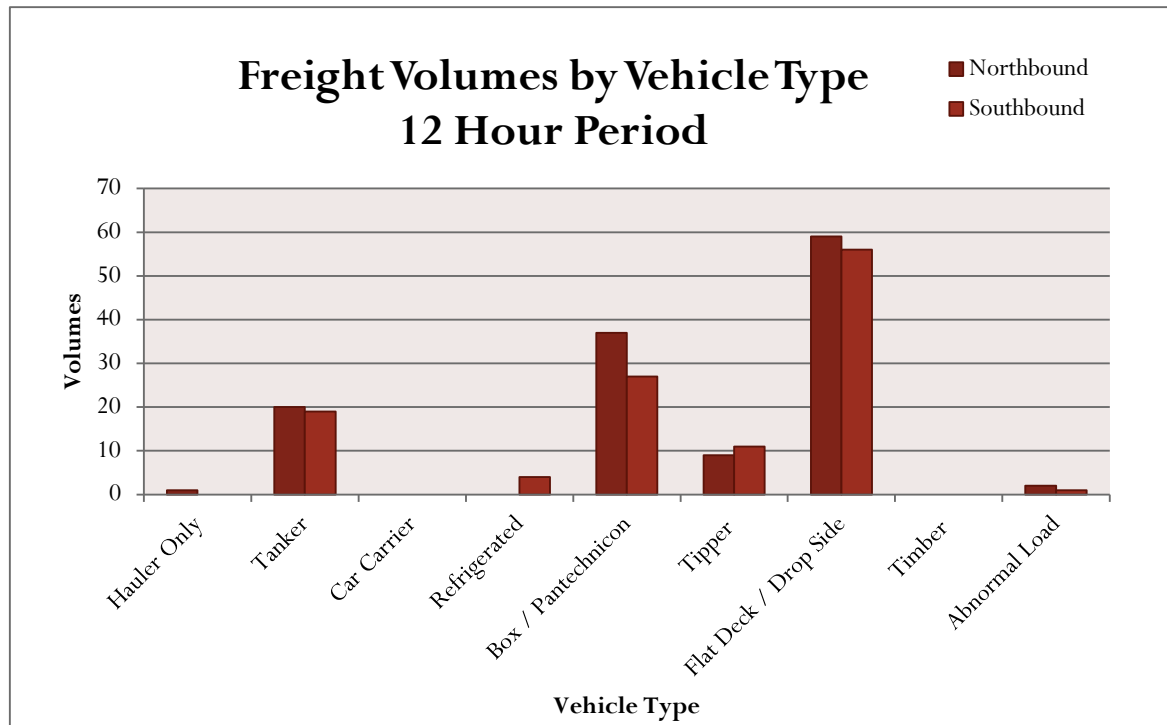


Freight Volumes by Vehicle Class 2023 - Yearly Period



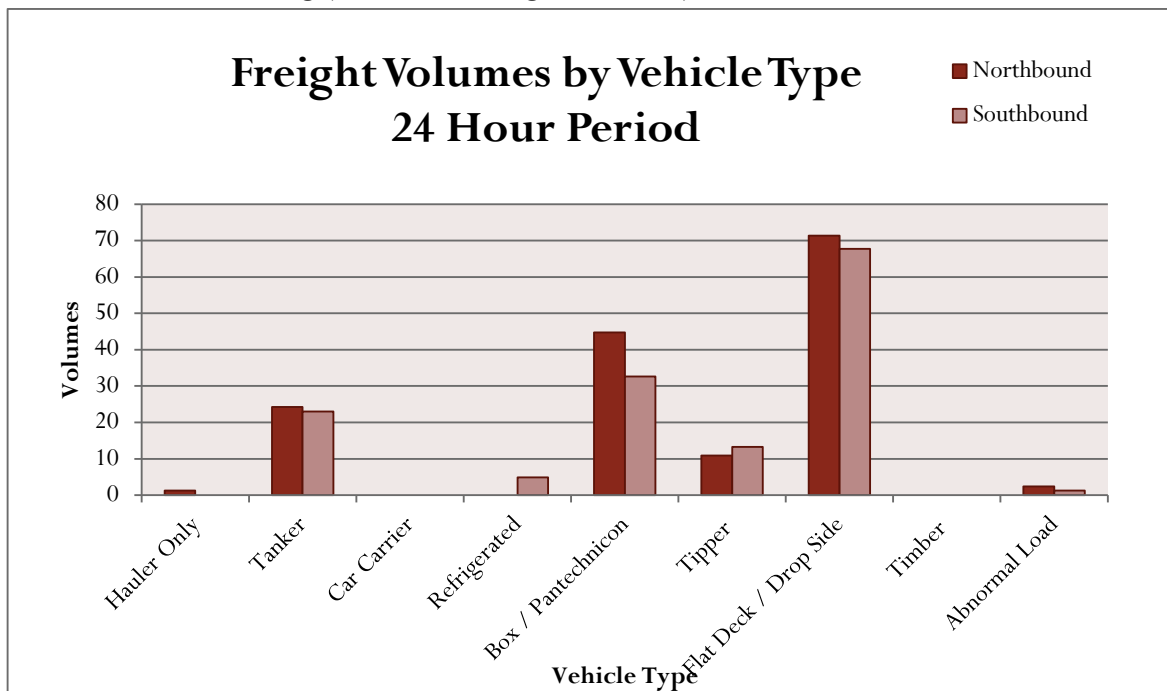
025 Underburg (R617 Underburg to Kokstad)

Date: 19-09-2023

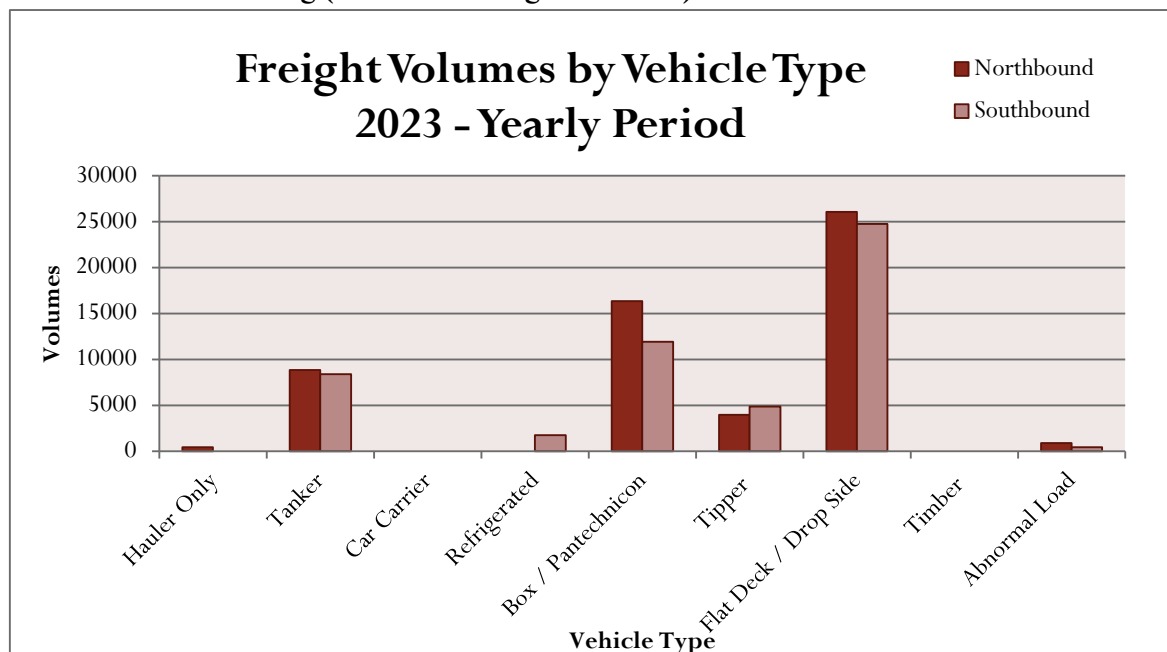


025 Underburg (R617 Underburg to Kokstad)

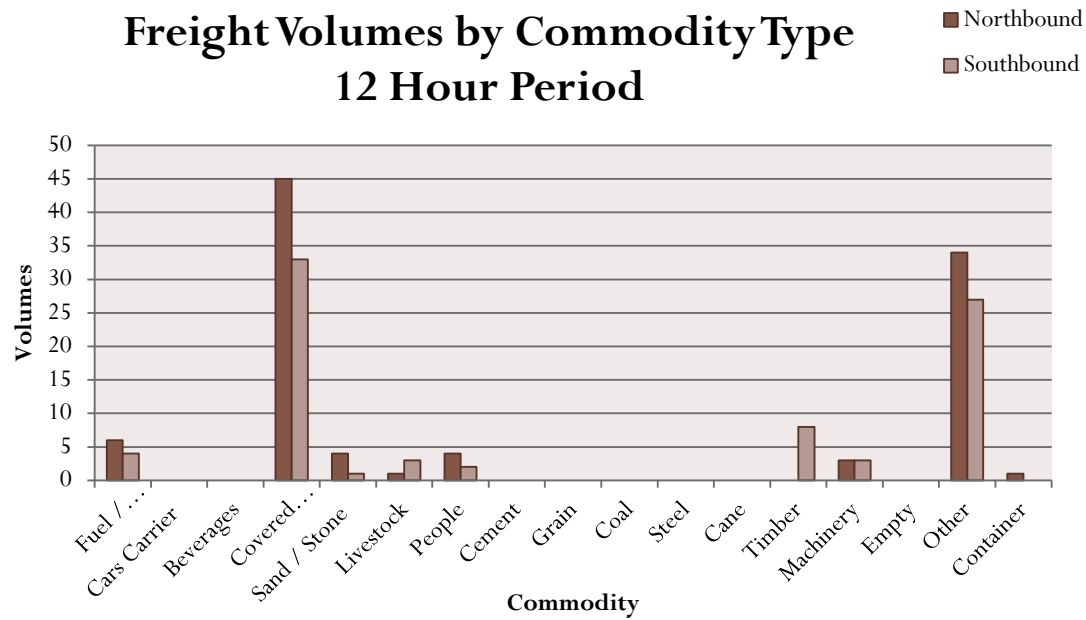
Date: 19-09-2023



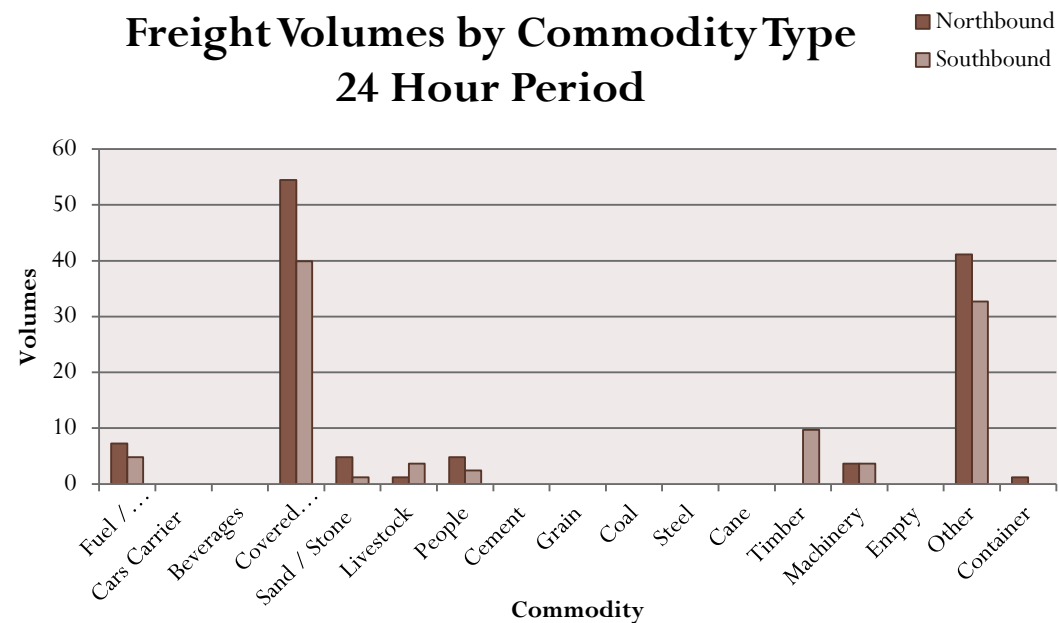
025 Underburg (R617 Underburg to Kokstad)



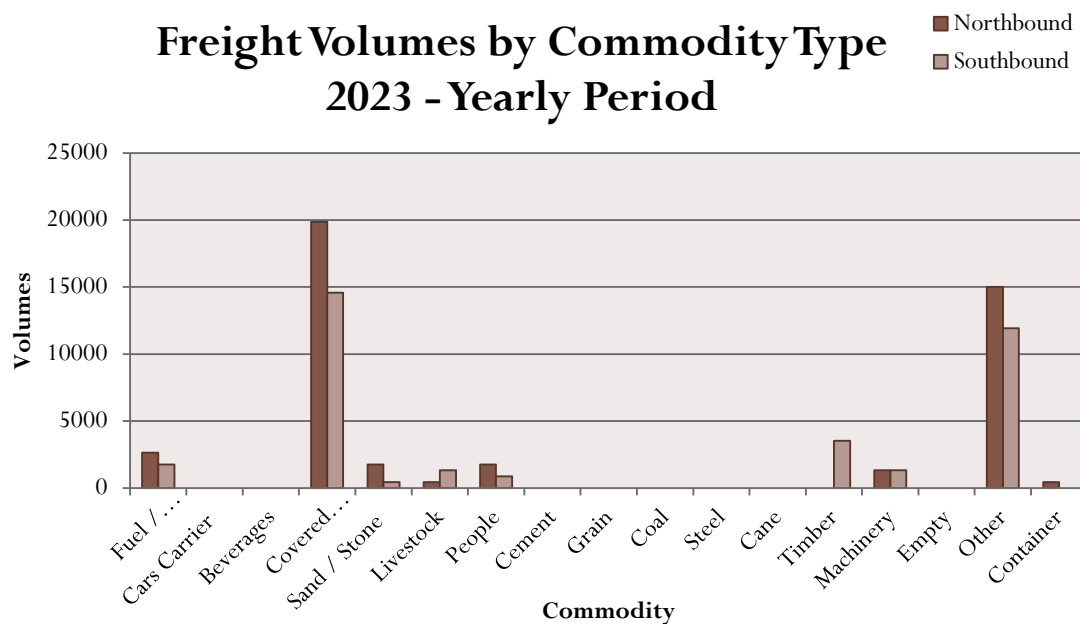
Freight Volumes by Commodity Type 12 Hour Period

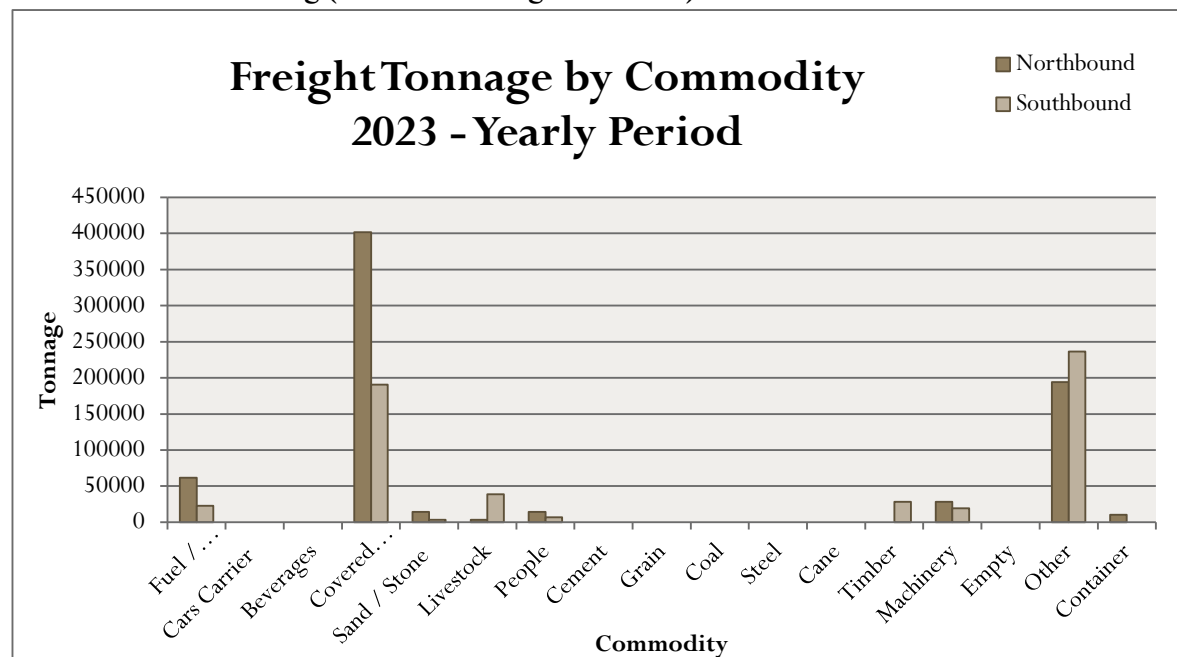
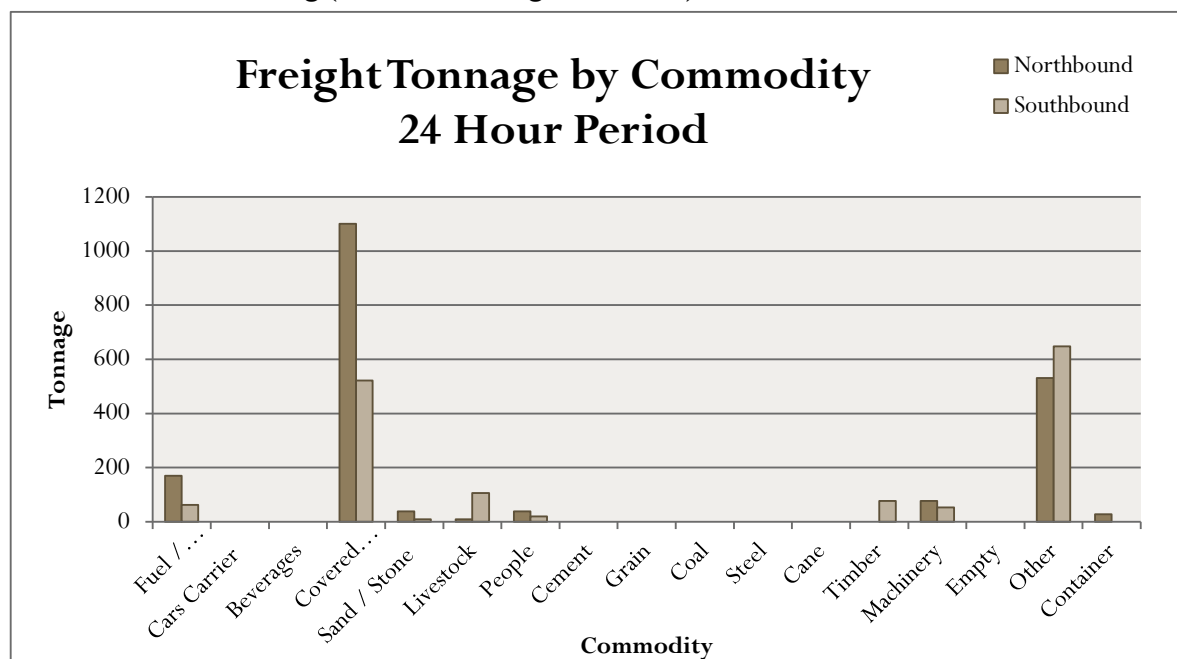
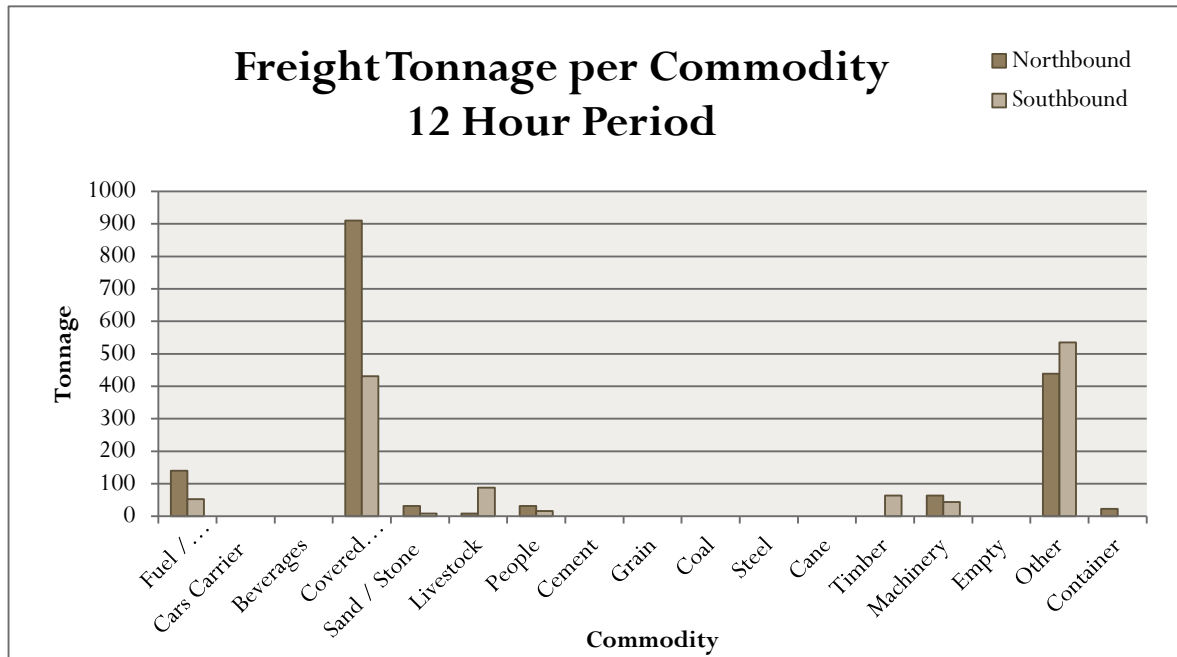


Freight Volumes by Commodity Type 24 Hour Period



Freight Volumes by Commodity Type 2023 - Yearly Period





025 Underburg (R617 Underburg to Kokstad) Freight Tonnage by Commodity by Vehicle Class (12 Hours) Date: 19-09-2023													
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	16	0	0	28	96	140	Fuel / Chemicals	24	0	0	28	0	52
Cars Carrier	0	0	0	0	0	0	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	160	0	46	224	480	910	Covered Load / Sail or Tarp	200	0	23	112	96	431
Sand / Stone	32	0	0	0	0	32	Sand / Stone	8	0	0	0	0	8
Livestock	8	0	0	0	0	8	Livestock	0	0	0	56	32	88
People	32	0	0	0	0	32	People	16	0	0	0	0	16
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	64	0	0	0	0	64
Machinery	8	0	0	56	0	64	Machinery	16	0	0	28	0	44
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	160	0	23	0	256	439	Other	96	0	23	224	192	535
Container	0	0	23	0	0	23	Container	0	0	0	0	0	0

025 Underburg (R617 Underburg to Kokstad) Freight Tonnage by Commodity by Vehicle Class (24 Hours) Date: 19-09-2023													
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	19	0	0	34	116	169	Fuel / Chemicals	29	0	0	34	0	63
Cars Carrier	0	0	0	0	0	0	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	194	0	56	271	581	1101	Covered Load / Sail or Tarp	242	0	28	136	116	522
Sand / Stone	39	0	0	0	0	39	Sand / Stone	10	0	0	0	0	10
Livestock	10	0	0	0	0	10	Livestock	0	0	0	68	39	106
People	39	0	0	0	0	39	People	19	0	0	0	0	19
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	77	0	0	0	0	77
Machinery	10	0	0	68	0	77	Machinery	19	0	0	34	0	53
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	194	0	28	0	310	531	Other	116	0	28	271	232	647
Container	0	0	28	0	0	28	Container	0	0	0	0	0	0

025 Underburg (R617 Underburg to Kokstad) 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	7066	0	0	12366	42398	61831	Fuel / Chemicals	10600	0	0	12366	0	22966
Cars Carrier	0	0	0	0	0	0	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	70664	0	20316	98930	211992	401902	Covered Load / Sail or Tarp	88330	0	10158	49465	42398	190351
Sand / Stone	14133	0	0	0	0	14133	Sand / Stone	3533	0	0	0	0	3533
Livestock	3533	0	0	0	0	3533	Livestock	0	0	0	24732	14133	38865
People	14133	0	0	0	0	14133	People	7066	0	0	0	0	7066
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	28266	0	0	0	0	28266
Machinery	3533	0	0	24732	0	28266	Machinery	7066	0	0	12366	0	19433
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	70664	0	10158	0	113062	193884	Other	42398	0	10158	98930	84797	236283
Container	0	0	10158	0	0	10158	Container	0	0	0	0	0	0

025 Underburg (R617 Underburg to Kokstad)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 19-09-2023	
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						0	4 Axle						0
5 Axle						0	5 Axle		1				2
6 Axle						0	6 Axle						0
≥ 7 Axle						0	≥ 7 Axle						0
TOTAL						0	TOTAL						2

025 Underburg (R617 Underburg to Kokstad)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)											Date: 19-09-2023		
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	0	0	0	4 Axle	0	0	0	0	0	0
5 Axle	0	0	0	0	0	0	5 Axle	0	1	0	0	0	2
6 Axle	0	0	0	0	0	0	6 Axle	0	0	0	0	0	0
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						0	TOTAL						2

025 Underburg (R617 Underburg to Kokstad)													
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	0	0	0	4 Axle	0	0	0	0	0	0
5 Axle	0	0	0	0	0	0	5 Axle	0	442	0	0	0	883
6 Axle	0	0	0	0	0	0	6 Axle	0	0	0	0	0	0
≥ 7 Axle	0	0	0	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						0	TOTAL						883