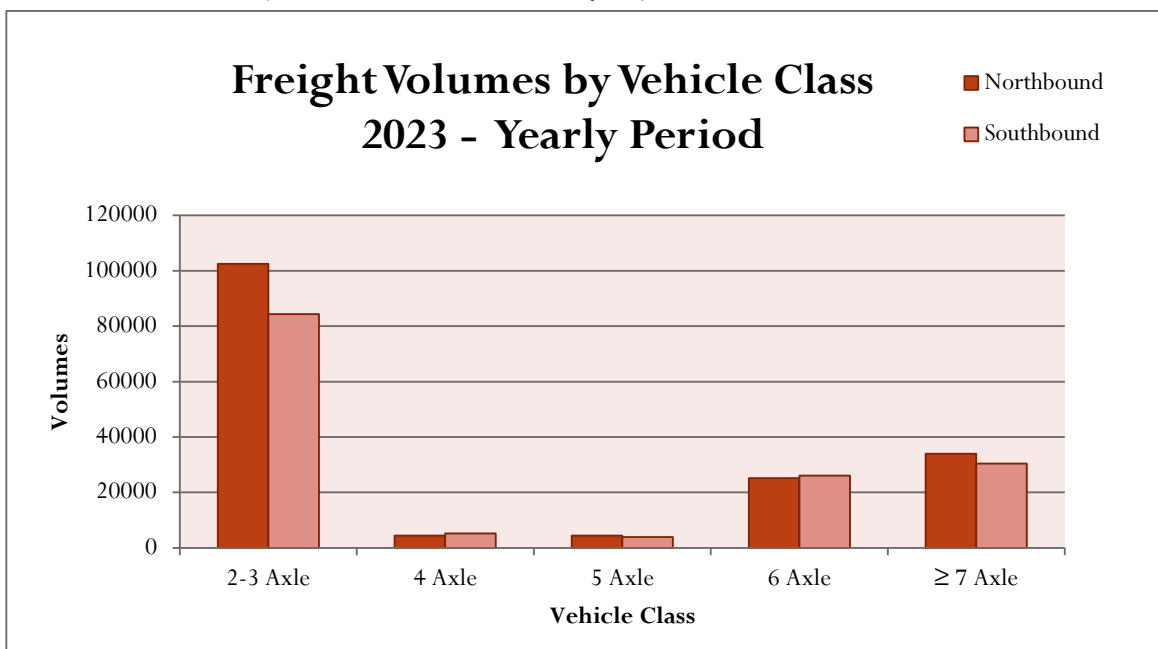
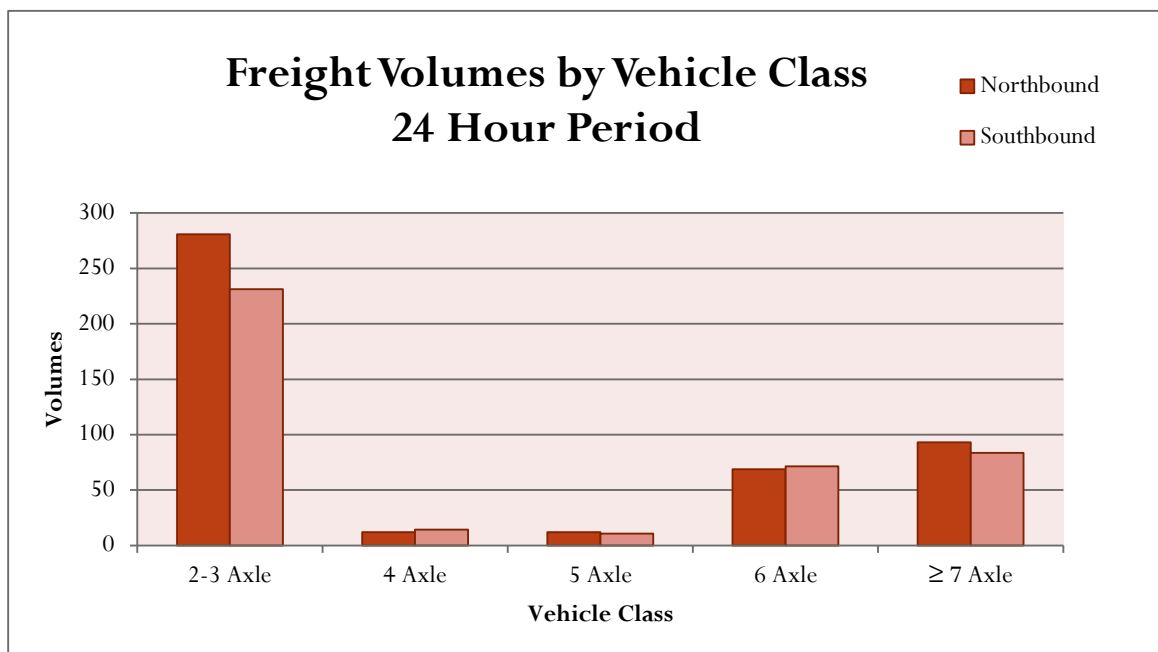
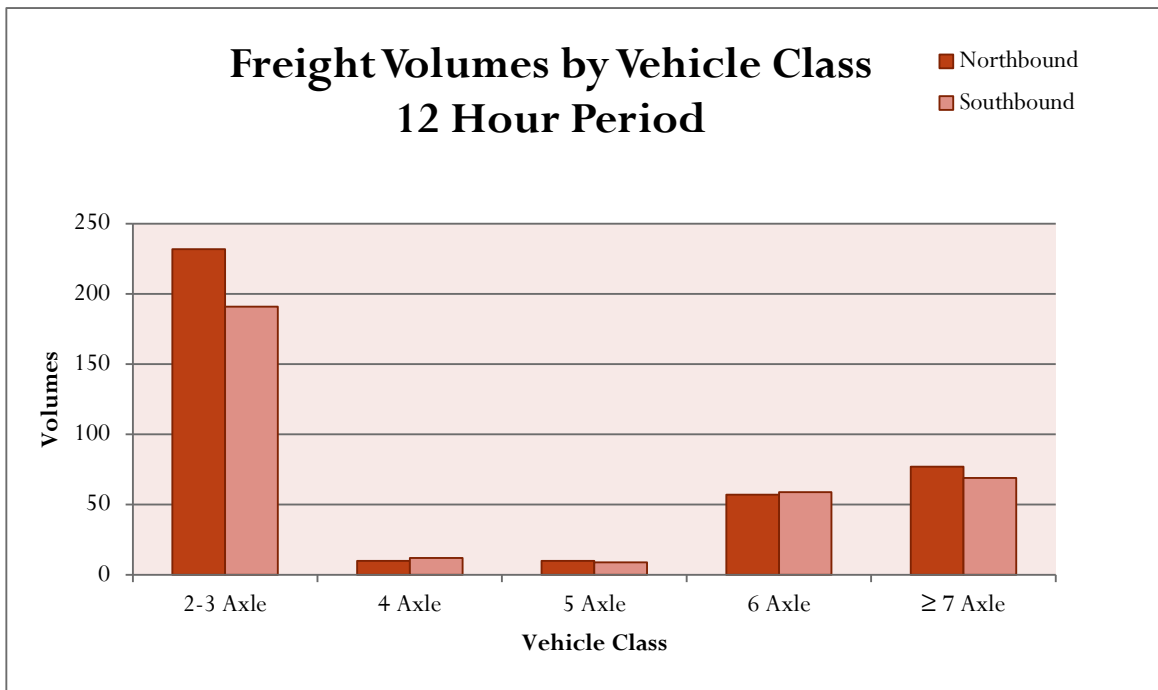


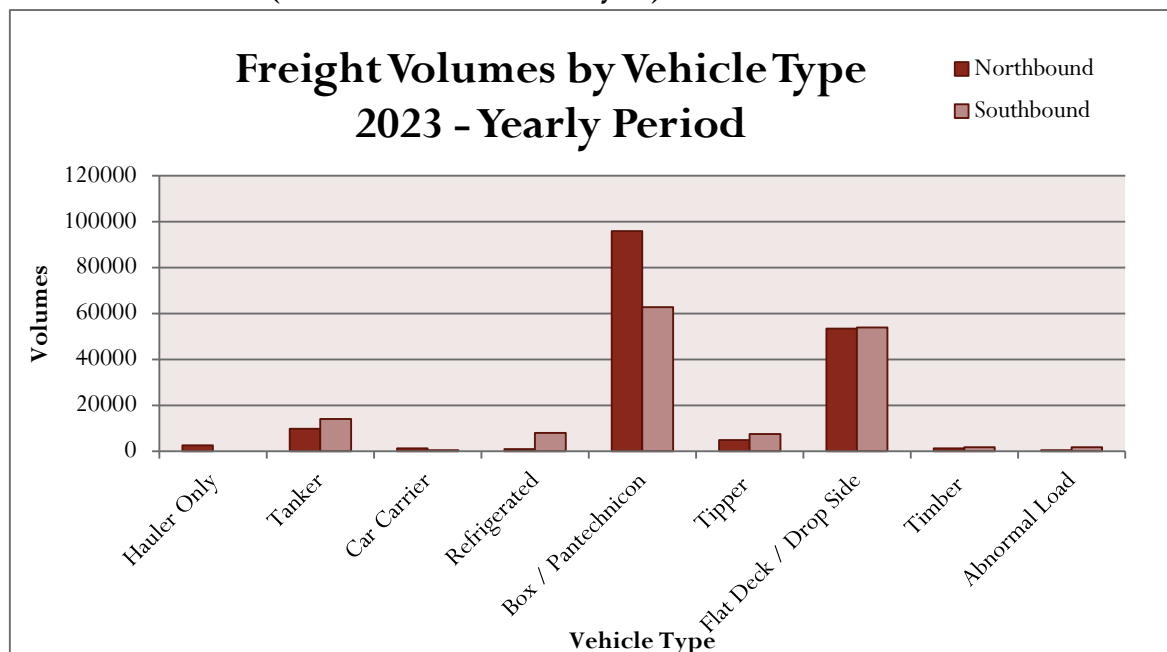
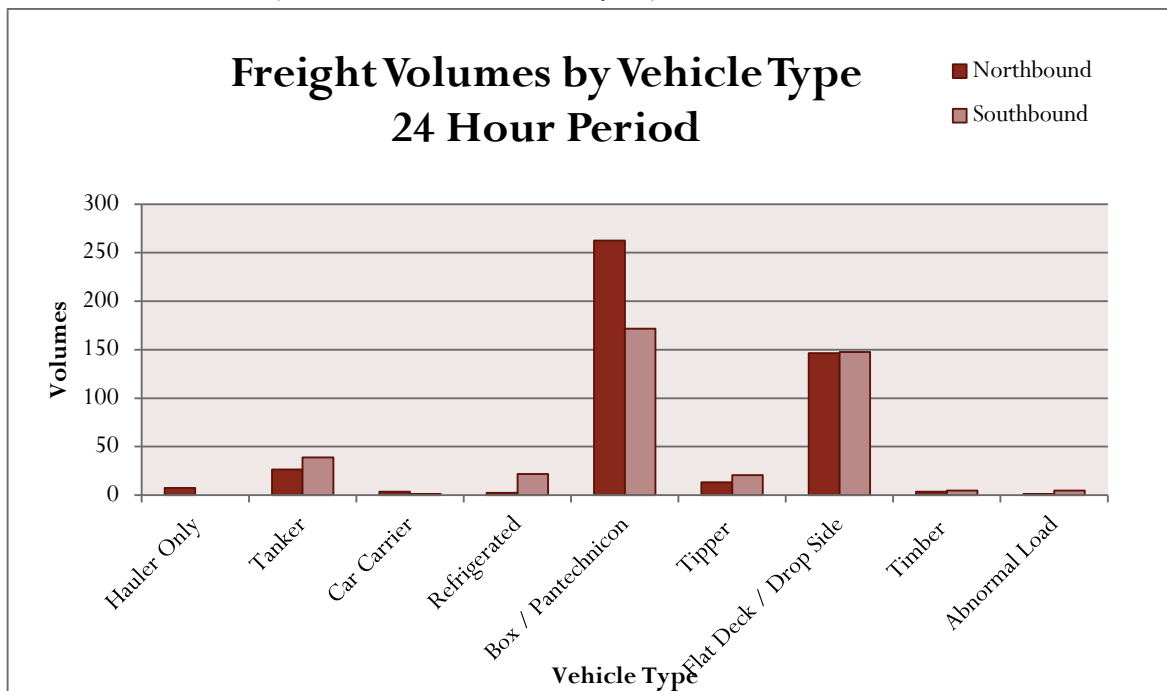
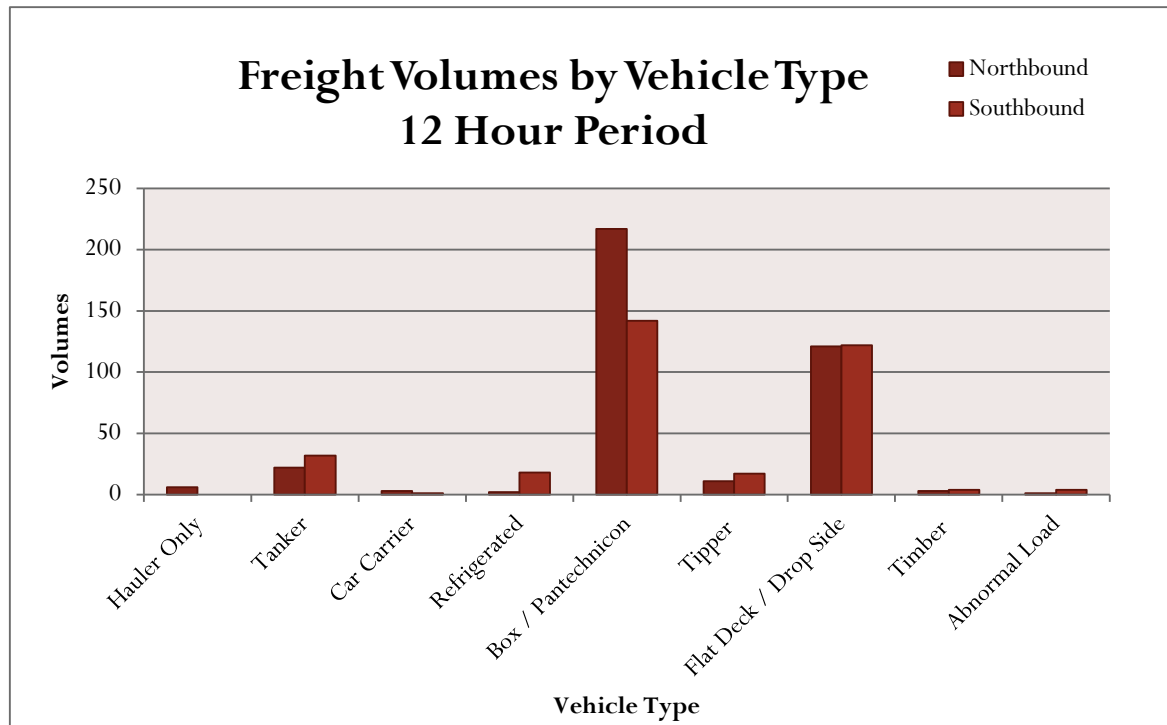
TRAFFIC HIGHLIGHTS OF SITE 409				
1.1	Site Identifier	409		
1.2	Site Name	Kokstad South		
1.3	Site Description	Between Mount Ayliff and Kokstad		
1.4	Road Description	Route : N002 Road : N002 Section : 21X Distance : 3.4km		
1.5	GPS Position	29 27 27.1E -30 36 13.4S		
1.6	Number of Lanes	2		
1.7	Station 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)	8727		
1.12	Percentage good data available for requested period	99.6		
		To Kokstad	To Umtata	Total
2.1a	Total number of vehicles (counted)	1340821	1329590	2670411
2.1b	Total number of vehicles (projected for period)	1345875	1334602	2680477
2.2	Average daily traffic (ADT)	3687	3656	7344
2.3	Average daily truck traffic (ADTT)	485	449	934
2.4	Percentage of trucks	13.2	12.3	12.7
2.5	Truck split % (short:medium:long)	41 : 16 : 43	42 : 17 : 41	42 : 16 : 42
2.6	Percentage of night traffic (20:00 - 06:00)	10.4	12.2	11.3
3.1	Speed limit (km/hr)	100		
3.2	Average speed (km/hr)	89.4	73.8	81.6
3.3	Average speed - light vehicles (km/hr)	91.0	76.9	83.9
3.4	Average speed - heavy vehicles (km/hr)	79.2	51.5	65.9
3.5	Average night speed (km/hr)	88.4	73.1	80.2
3.6	15th centile speed (km/hr)	72.9	51.0	61.9
3.7	85th centile speed (km/hr)	107.0	95.0	103.0
3.8	Percentage vehicles in excess of speed limit	26.1	9.2	17.7
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.1	0.1	20.7
4.2	Highest volume on the road (vehicles/hr)	2022/12/23 19:00:00		1027
4.3	Highest volume in the North (vehs/hr)	2022/10/07 14:00:00		630
4.4	Highest volume in the South (vehs/hr)	2022/12/23 19:00:00		701
4.5	Highest volume in a lane (vehicles/hr)	2022/12/23 19:00:00		701
4.6	15th highest volume on the road (vehicles/hr)	2022/04/14 16:00:00		903
4.7	15th highest volume in the North direction (vehs/hr)	2022/01/02 10:00:00		460
4.8	15th highest volume in the South direction (vehs/hr)	2022/12/22 17:00:00		529
4.9	30th highest volume on the road (vehicles/hr)	2022/12/24 15:00:00		856
4.10	30th highest volume in the North direction (vehs/hr)	2022/12/23 11:00:00		434
4.11	30th highest volume in the South direction (vehs/hr)	2022/12/23 14:00:00		504
5.1	Percentage of vehicles less than 2s behind vehicle ahead	26.3	15.9	21.1
6.1	Total number of heavy vehicles (projected for period)	177188	163775	340963
6.2	Estimated average number of axles per truck	4.6	4.5	4.6
6.3	Estimated truck mass (Ton/truck)	26.6	26.2	26.4
6.4	Estimated average E80/truck	1.5	1.5	1.5
6.5	Estimated daily E80 on the road	1438		
6.6	Estimated daily E80 in the North direction	750		
6.7	Estimated daily E80 in the South direction	689		
6.8	Estimated daily E80 in the worst North lane	750		
6.9	Estimated daily E80 in the worst South lane	689		
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)		

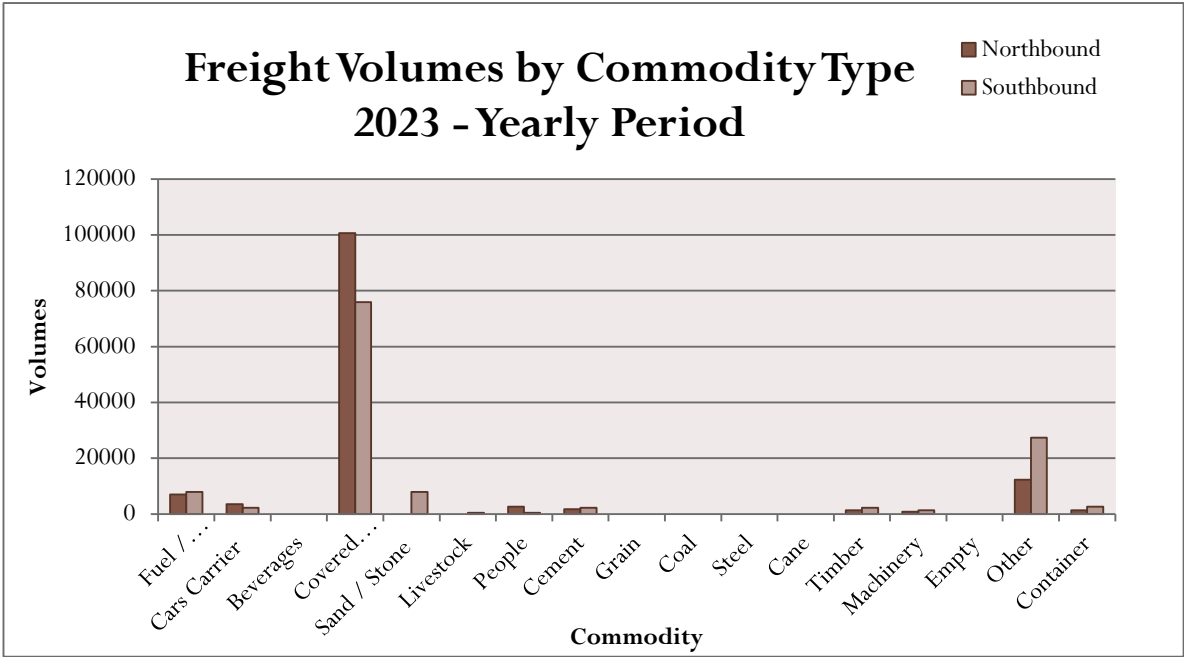
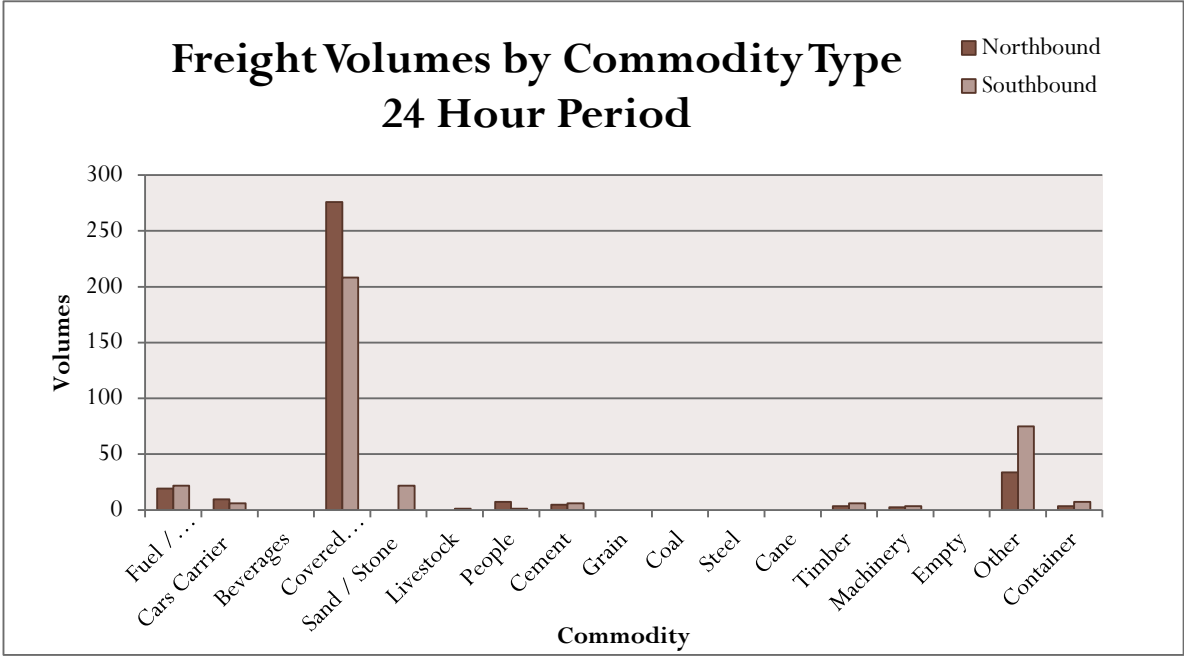
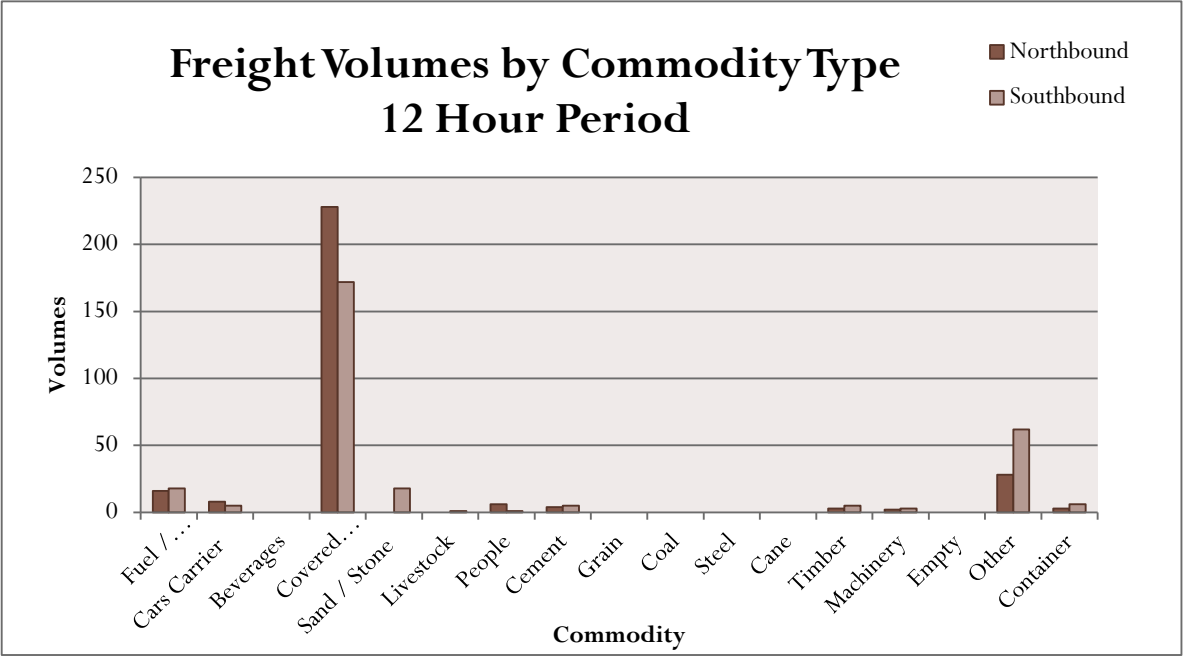
L/H/Volume Report

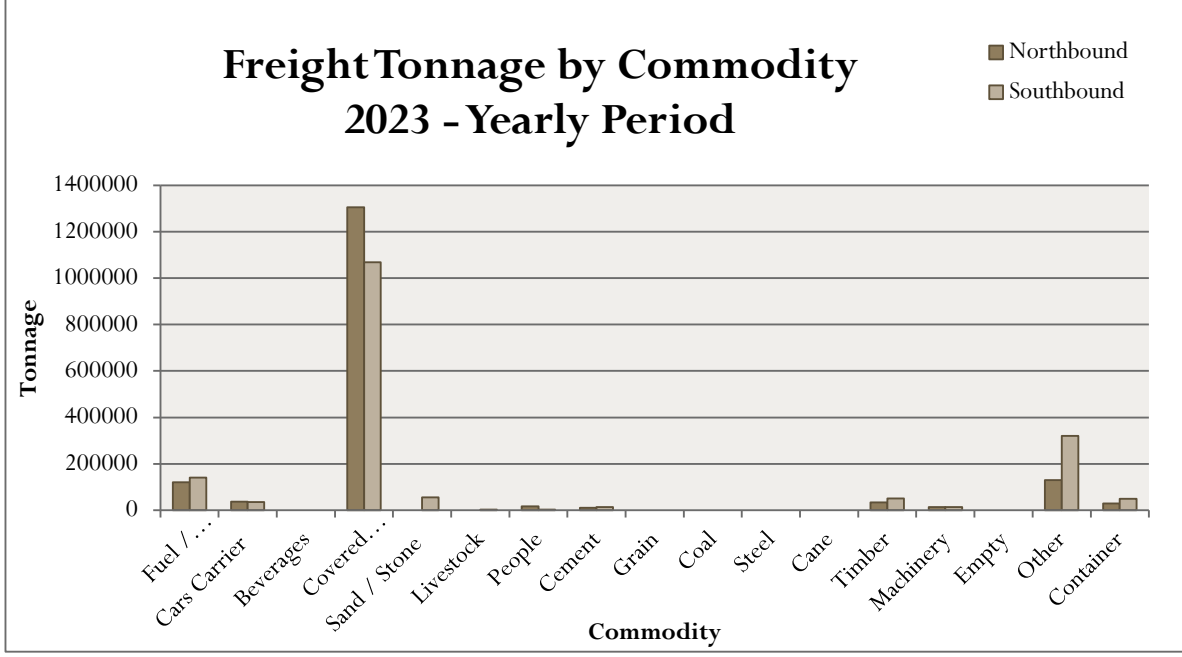
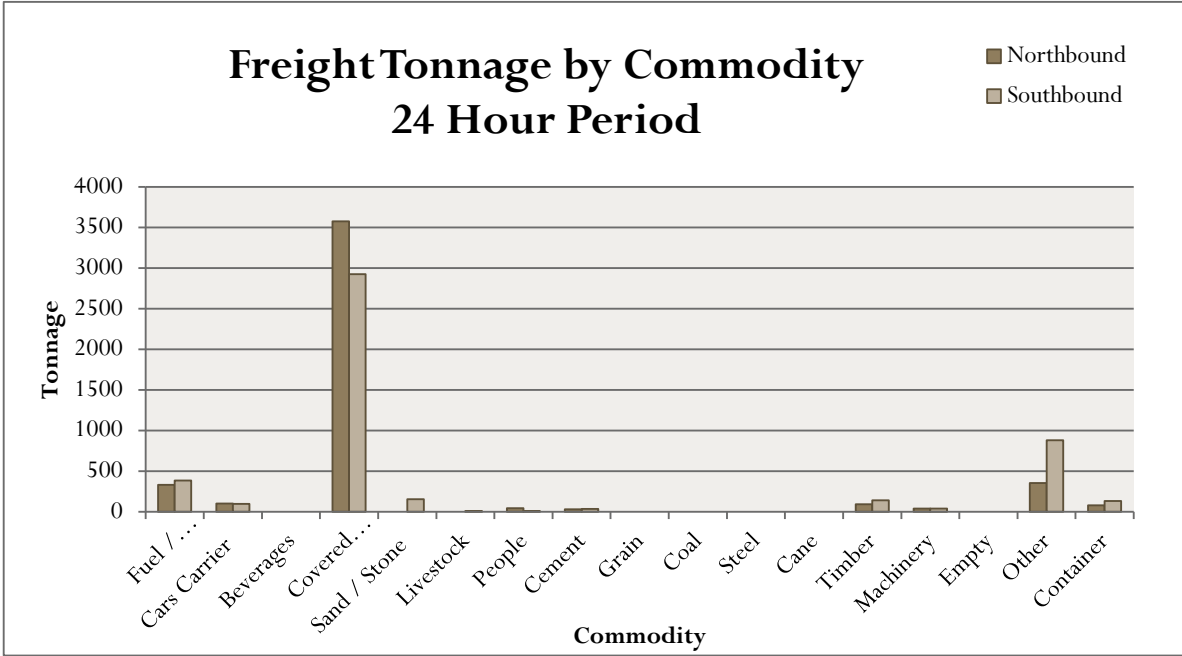
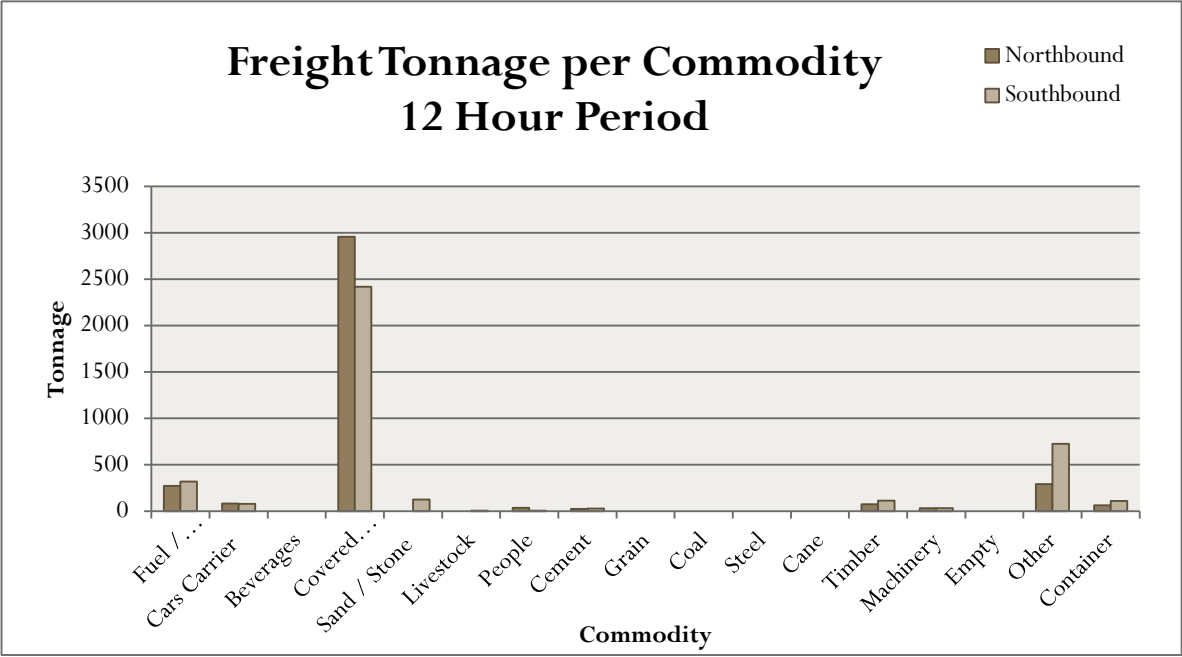
Date : 2023/10/02
Site : 409 - Kokstad South
Description : Between Mount Ayliff and Kokstad

Date	Time	Dur.	Lane 1			Lane 2			To Kokstad			To Umtata		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	3561	460	4021	3504	485	3989	3561	460	4021	3504	485	3989
231003	00:00	24:00	3420	596	4016	3460	555	4015	3420	596	4016	3460	555	4015
231004	00:00	24:00	3240	608	3848	3322	523	3845	3240	608	3848	3322	523	3845
231005	00:00	24:00	3365	678	4043	3414	617	4031	3365	678	4043	3414	617	4031
231006	00:00	24:00	3696	576	4272	3907	490	4397	3696	576	4272	3907	490	4397
231007	00:00	24:00	2914	537	3451	2873	389	3262	2914	537	3451	2873	389	3262
231008	00:00	24:00	2838	226	3064	2351	334	2685	2838	226	3064	2351	334	2685









Kokstad (N002 Kokstad to Mount Ayliff)													
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	18	0	15	240	0	273	Fuel / Chemicals	18	0	0	300	0	318
Cars Carrier	30	0	15	40	0	85	Cars Carrier	0	20	0	60	0	80
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	756	90	90	620	1400	2956	Covered Load / Sail or Tarp	498	70	105	520	1225	2418
Sand / Stone	0	0	0	0	0	0	Sand / Stone	96	10	0	20	0	126
Livestock	0	0	0	0	0	0	Livestock	6	0	0	0	0	6
People	36	0	0	0	0	36	People	6	0	0	0	0	6
Cement	24	0	0	0	0	24	Cement	30	0	0	0	0	30
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	75	75	Timber	0	0	0	40	75	115
Machinery	6	0	0	0	25	31	Machinery	12	0	0	20	0	32
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	114	10	15	80	75	294	Other	246	10	0	120	350	726
Container	0	0	0	40	25	65	Container	6	0	15	40	50	111

Kokstad (N002 Kokstad to Mount Ayliff)													
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	22	0	18	290	0	330	Fuel / Chemicals	22	0	0	363	0	385
Cars Carrier	36	0	18	48	0	103	Cars Carrier	0	24	0	73	0	97
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	915	109	109	750	1694	3577	Covered Load / Sail or Tarp	603	85	127	629	1482	2926
Sand / Stone	0	0	0	0	0	0	Sand / Stone	116	12	0	24	0	152
Livestock	0	0	0	0	0	0	Livestock	7	0	0	0	0	7
People	44	0	0	0	0	44	People	7	0	0	0	0	7
Cement	29	0	0	0	0	29	Cement	36	0	0	0	0	36
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	91	91	Timber	0	0	0	48	91	139
Machinery	7	0	0	0	30	38	Machinery	15	0	0	24	0	39
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	138	12	18	97	91	356	Other	298	12	0	145	424	878
Container	0	0	0	48	30	79	Container	7	0	18	48	61	134

Kokstad (N002 Kokstad to Mount Ayliff)													
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	7950	0	6625	105996	0	120570	Fuel / Chemicals	7950	0	0	132495	0	140445
Cars Carrier	13250	0	6625	17666	0	37540	Cars Carrier	0	8833	0	26499	0	35332
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	333887	39749	39749	273823	618310	1305517	Covered Load / Sail or Tarp	219942	30916	46373	229658	541021	1067910
Sand / Stone	0	0	0	0	0	0	Sand / Stone	42398	4417	0	8833	0	55648
Livestock	0	0	0	0	0	0	Livestock	2650	0	0	0	0	2650
People	15899	0	0	0	0	15899	People	2650	0	0	0	0	2650
Cement	10600	0	0	0	0	10600	Cement	13250	0	0	0	0	13250
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	33124	33124	Timber	0	0	0	17666	33124	50790
Machinery	2650	0	0	0	11041	13691	Machinery	5300	0	0	8833	0	14133
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	50348	4417	6625	35332	33124	129845	Other	108646	4417	0	52998	154578	320638
Container	0	0	0	17666	11041	28707	Container	2650	0	6625	17666	22083	49023

<div> <div>Kokstad (N002 Kokstad to Mount Ayliff)</div> <div> <div>Twenty Foot Equivalent Unit (TEU) (12 Hours)</div> <div>Date: 26-10-2023</div> </div> </div>													
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	1					1
4 Axle						0	4 Axle						0
5 Axle						0	5 Axle				1		2
6 Axle	1			1		3	6 Axle				2		4
≥ 7 Axle					1	3	≥ 7 Axle					1	3
TOTAL						6	TOTAL						10

<div> <div>Kokstad (N002 Kokstad to Mount Ayliff)</div> <div> <div>Twenty Foot Equivalent Unit (TEU) (24 Hours)</div> <div>Date: 26-10-2023</div> </div> </div>													
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	1	0	0	0	0	1
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	1	0	2
6 Axle	1	0	0	1	0	4	6 Axle	0	0	0	2	0	5
≥ 7 Axle	0	0	0	0	1	4	≥ 7 Axle	0	0	0	0	1	4
TOTAL						7	TOTAL						12

<div> <div>Kokstad (N002 Kokstad to Mount Ayliff)</div> <div> <div>Twenty Foot Equivalent Unit (TEU) (Yearly Period)</div> </div> </div>													
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	442	0	0	0	0	442
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	442	0	883
6 Axle	442	0	0	442	0	1325	6 Axle	0	0	0	883	0	1767
≥ 7 Axle	0	0	0	0	442	1325	≥ 7 Axle	0	0	0	0	442	1325
TOTAL						2650	TOTAL						4417