

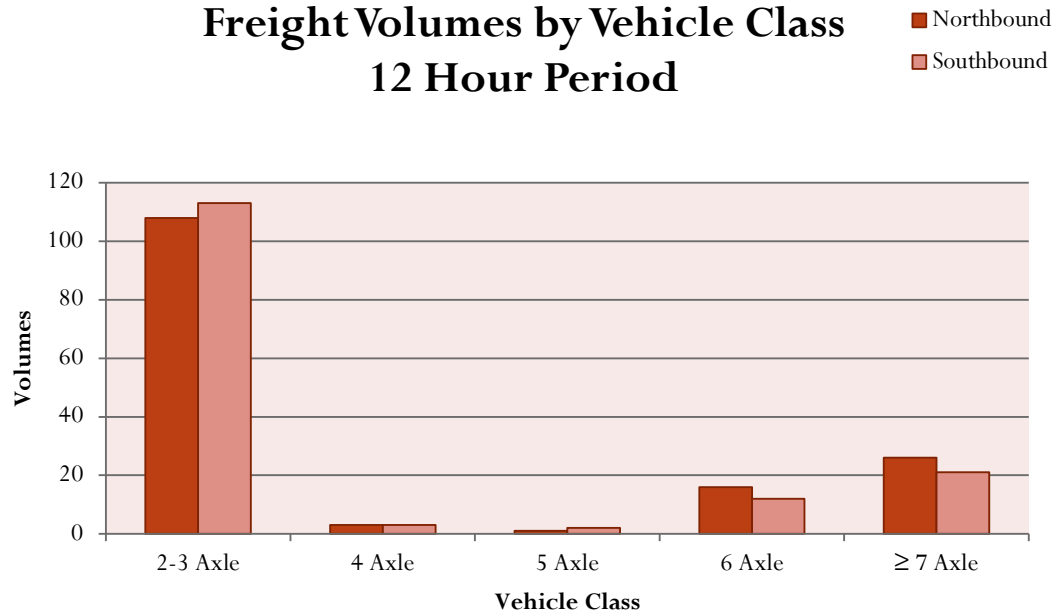
TRAFFIC HIGHLIGHTS OF SITE 1171				
1.1	Site Identifier	1171		
1.2	Site Name	Staffords Post		
1.3	Site Description	Between Umzimkulu and Kokstad		
1.4	Road Description	Route : Road : R56 Section : Distance : 0.0km		
1.5	GPS Position	29 46 13.8E -30 30 39.0S		
1.6	Number of Lanes	2		
1.7	Station Type	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	2023/07/20 - 2023/11/23		
1.11	Actual available good data (hours)	3005		
1.12	Percentage good data available for requested period	34.3		
		To Umzimkulu	To Kokstad	Total
2.1a	Total number of vehicles (counted)	123476	122310	245786
2.1b	Total number of vehicles (projected for period)	359846	356448	716294
2.2	Average daily traffic (ADT)	986	977	1962
2.3	Average daily truck traffic (ADTT)	93	84	177
2.4	Percentage of trucks	9.4	8.6	9.0
2.5	Truck split % (short:medium:long)	67 : 20 : 13	66 : 24 : 10	67 : 22 : 11
2.6	Percentage of night traffic (20:00 - 06:00)	10.8	13.9	12.3
3.1	Speed limit (km/hr)	100		
3.2	Average speed (km/hr)	78.8	74.6	76.7
3.3	Average speed - light vehicles (km/hr)	79.9	75.3	77.6
3.4	Average speed - heavy vehicles (km/hr)	68.3	67.4	67.9
3.5	Average night speed (km/hr)	72.4	70.2	71.2
3.6	15th centile speed (km/hr)	60.9	56.9	58.9
3.7	85th centile speed (km/hr)	98.0	93.0	96.0
3.8	Percentage vehicles in excess of speed limit	11.4	7.4	9.4
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	0.0	0.0
4.2	Highest volume on the road (vehicles/hr)	2023/09/22 16:00:00		271
4.3	Highest volume in the North (vehs/hr)	2023/09/15 16:00:00		149
4.4	Highest volume in the South (vehs/hr)	2023/09/22 16:00:00		142
4.5	Highest volume in a lane (vehicles/hr)	2023/09/15 16:00:00		149
4.6	15th highest volume on the road (vehicles/hr)	2023/09/29 17:00:00		214
4.7	15th highest volume in the North direction (vehs/hr)	2023/10/27 18:00:00		119
4.8	15th highest volume in the South direction (vehs/hr)	2023/07/28 17:00:00		107
4.9	30th highest volume on the road (vehicles/hr)	2023/08/04 15:00:00		205
4.10	30th highest volume in the North direction (vehs/hr)	2023/08/23 16:00:00		113
4.11	30th highest volume in the South direction (vehs/hr)	2023/09/23 09:00:00		100
5.1	Percentage of vehicles less than 2s behind vehicle ahead			
6.1	Total number of heavy vehicles (projected for period)	33949	30749	64697
6.2	Estimated average number of axles per truck	3.2	3.2	3.2
6.3	Estimated truck mass (Ton/truck)	18.7	18.6	18.7
6.4	Estimated average E80/truck	1.2	1.2	1.2
6.5	Estimated daily E80 on the road	210		
6.6	Estimated daily E80 in the North direction	109		
6.7	Estimated daily E80 in the South direction	101		
6.8	Estimated daily E80 in the worst North lane	109		
6.9	Estimated daily E80 in the worst South lane	101		
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

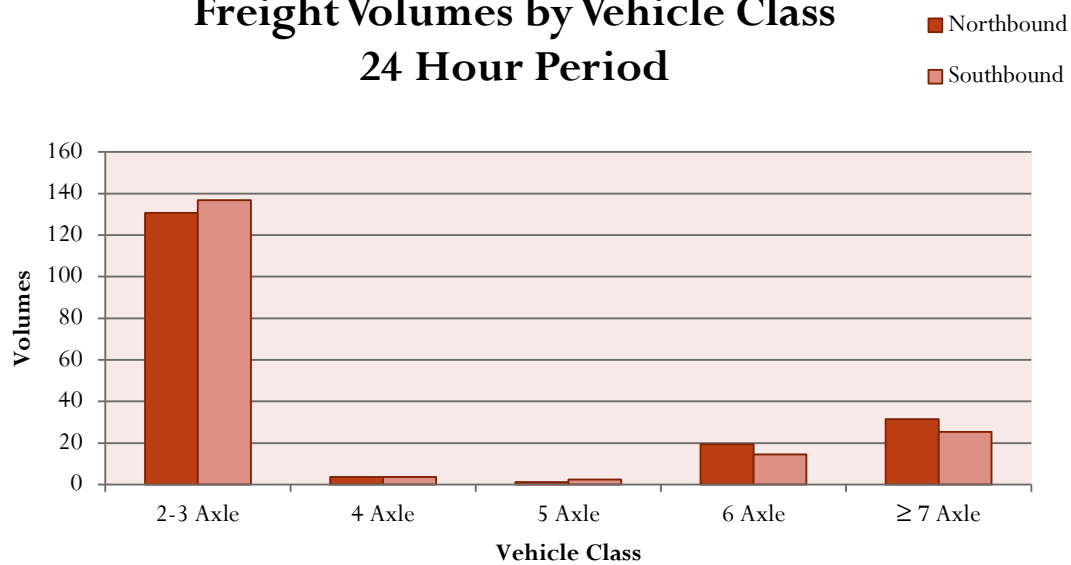
Date : 2023/10/02
Site : 1171 - Staffords Post
Description : Between Umzimkulu and Kokstad

Date	Time	Dur.	Lane 1			Lane 2			To Umzimkulu			To Kokstad		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	979	108	1087	1050	104	1154	979	108	1087	1050	104	1154
231003	00:00	24:00	911	117	1028	914	92	1006	911	117	1028	914	92	1006
231004	00:00	24:00	900	119	1019	906	112	1018	900	119	1019	906	112	1018
231005	00:00	24:00	953	126	1079	950	120	1070	953	126	1079	950	120	1070
231006	00:00	24:00	1130	128	1258	1215	106	1321	1130	128	1258	1215	106	1321
231007	00:00	24:00	922	117	1039	929	70	999	922	117	1039	929	70	999
231008	00:00	24:00	1141	49	1190	867	48	915	1141	49	1190	867	48	915

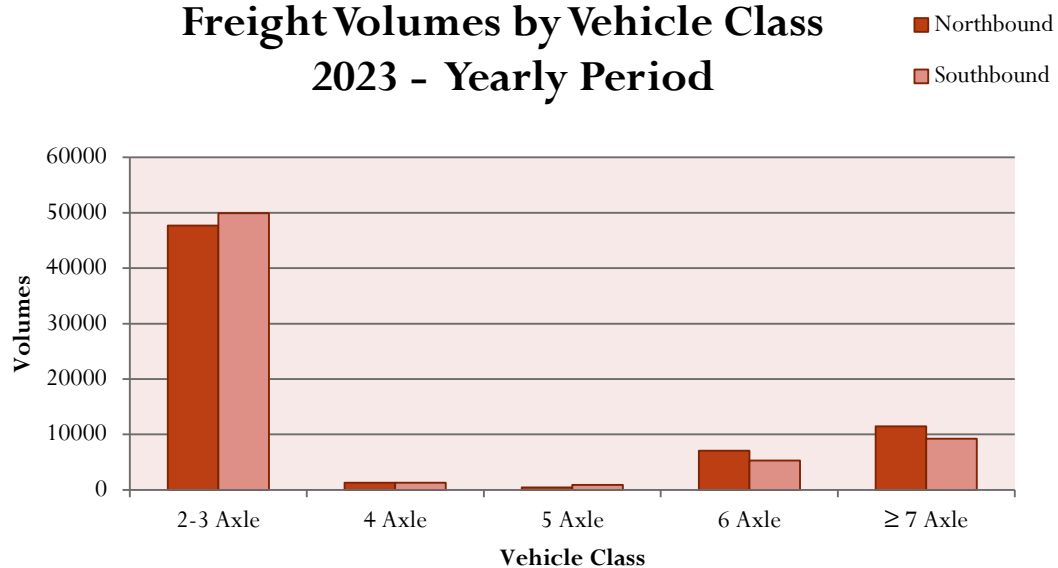
Freight Volumes by Vehicle Class 12 Hour Period

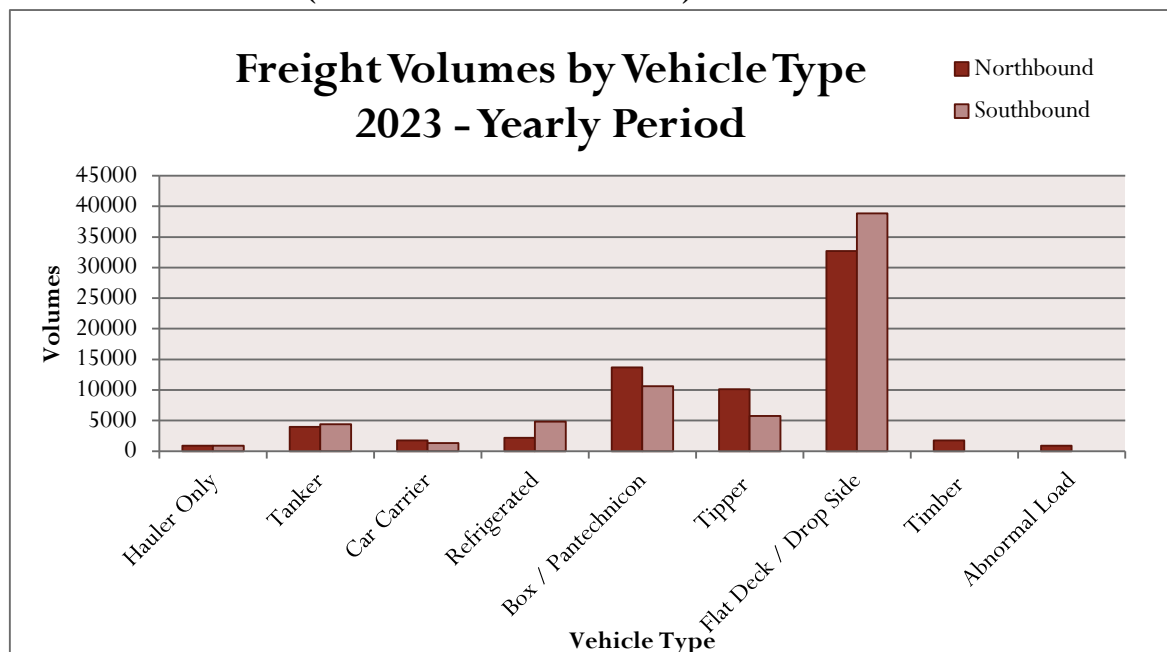
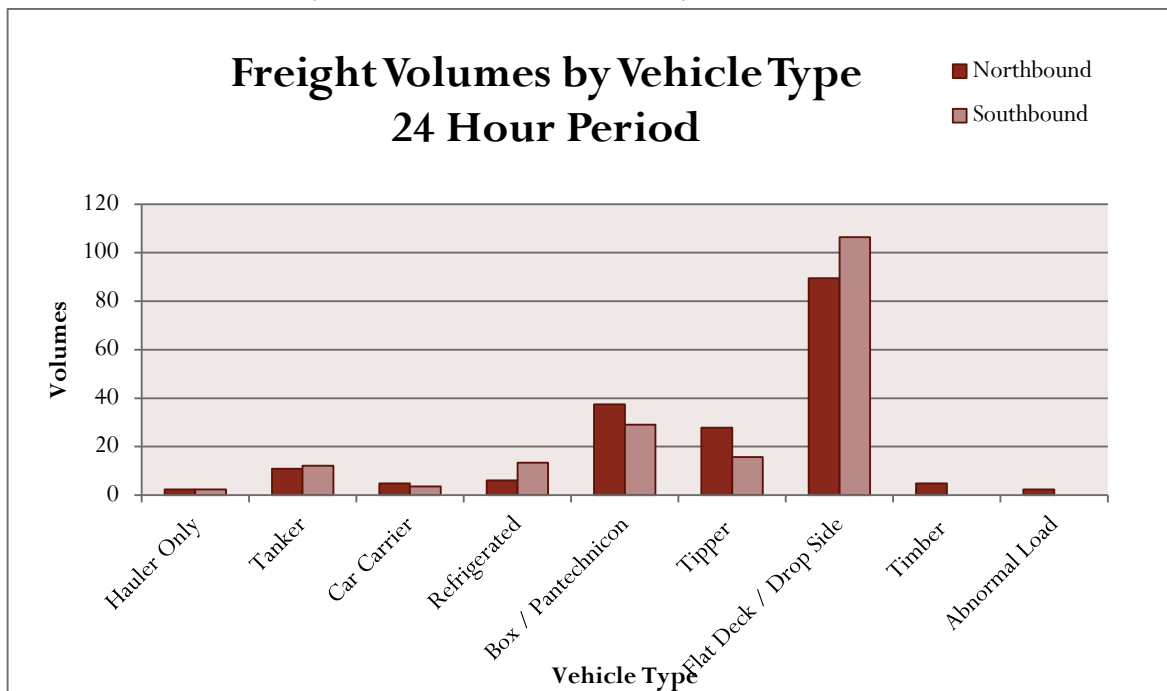
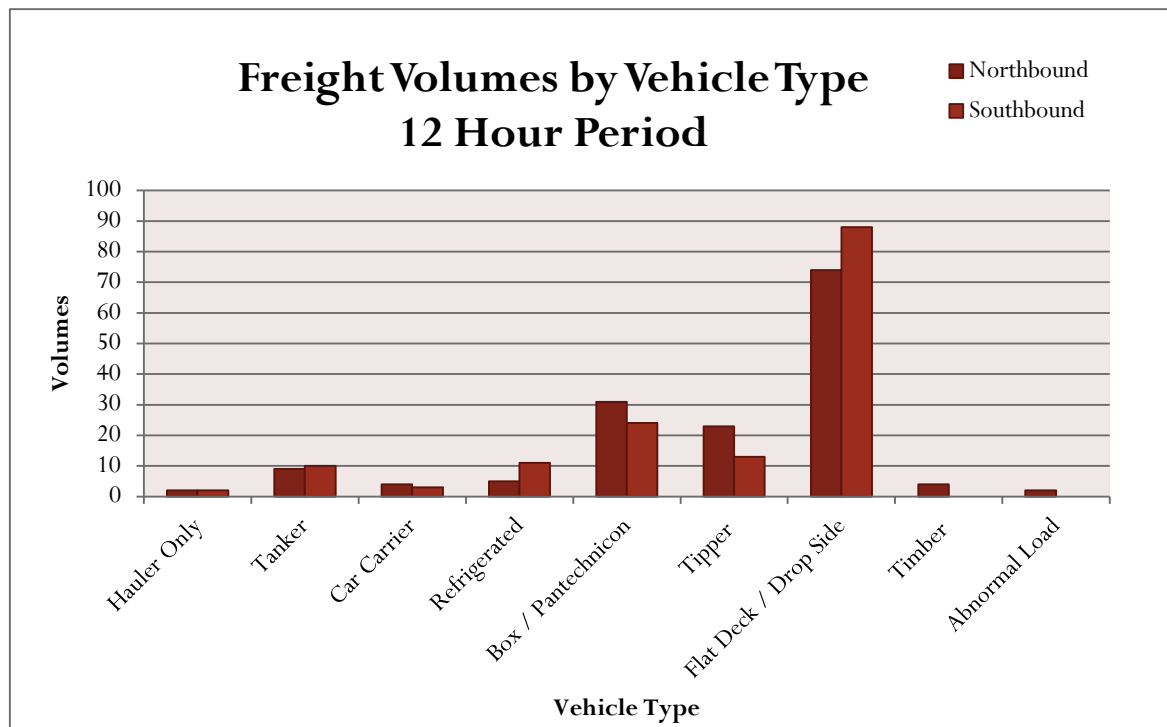


Freight Volumes by Vehicle Class 24 Hour Period

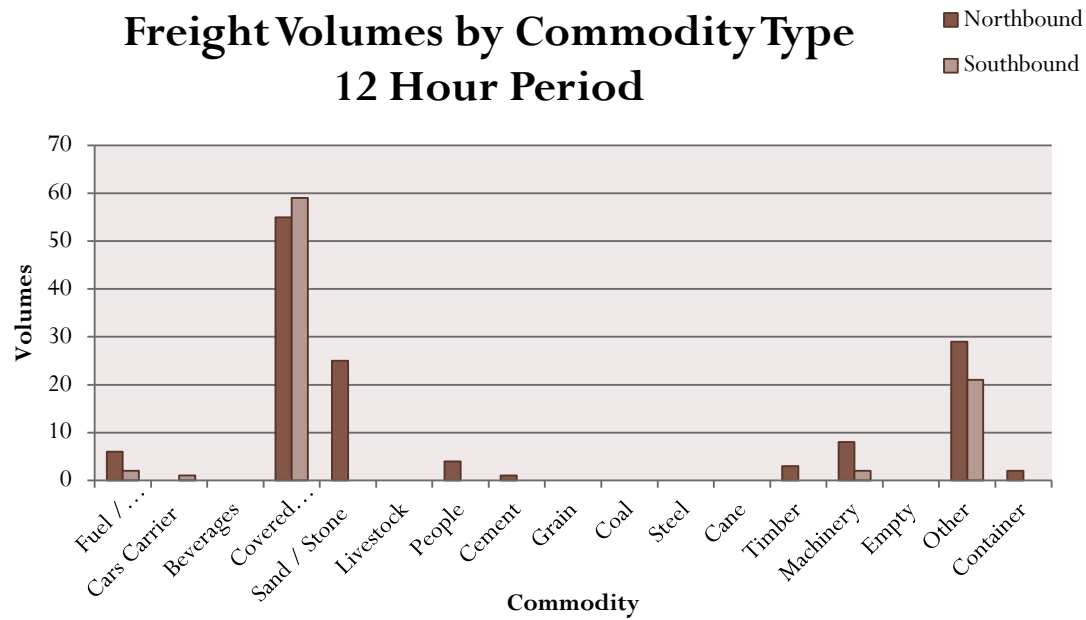


Freight Volumes by Vehicle Class 2023 - Yearly Period

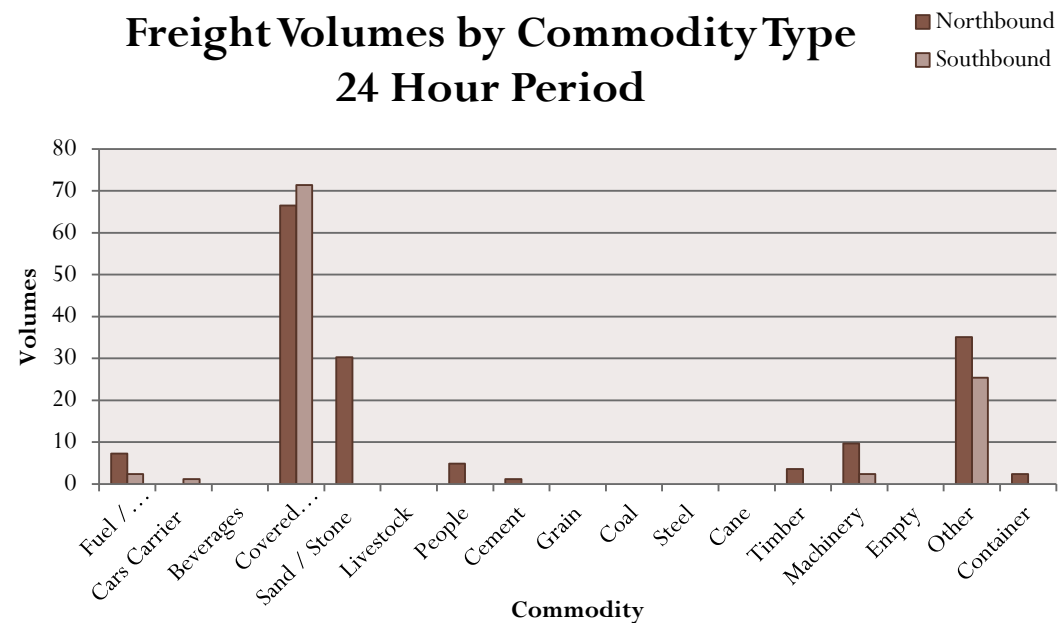




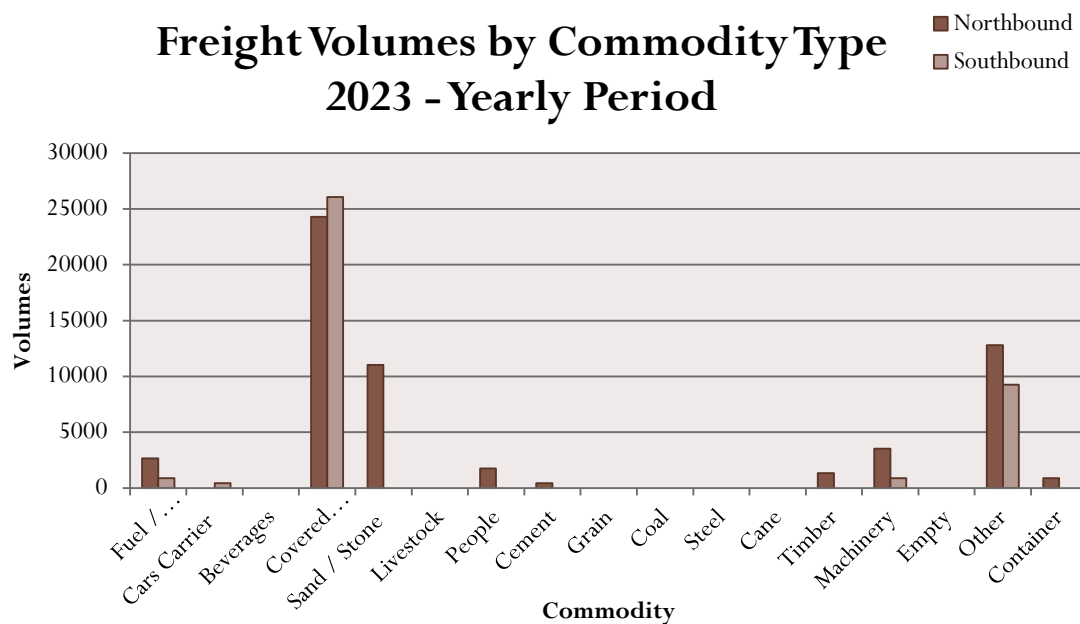
Freight Volumes by Commodity Type 12 Hour Period

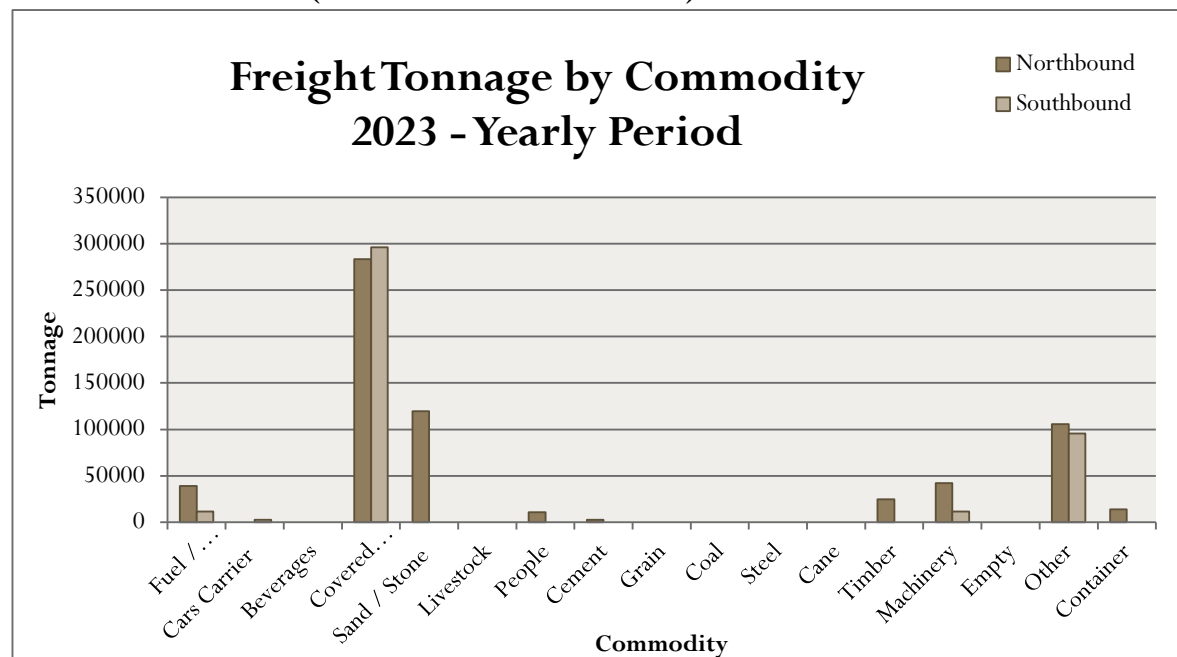
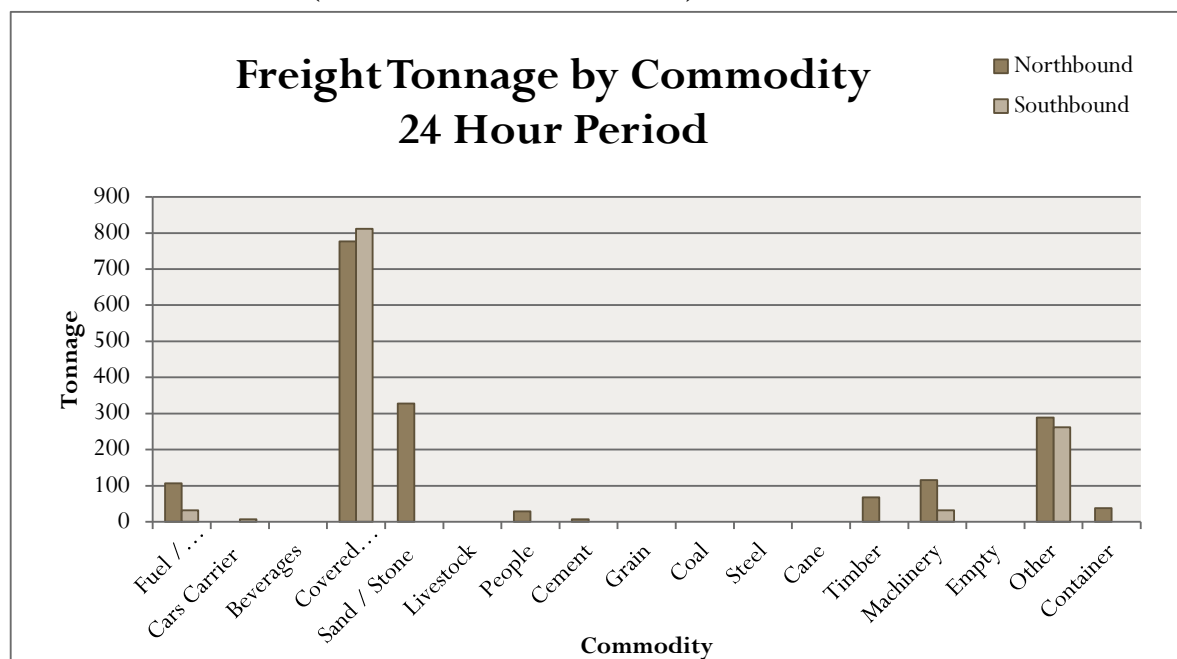
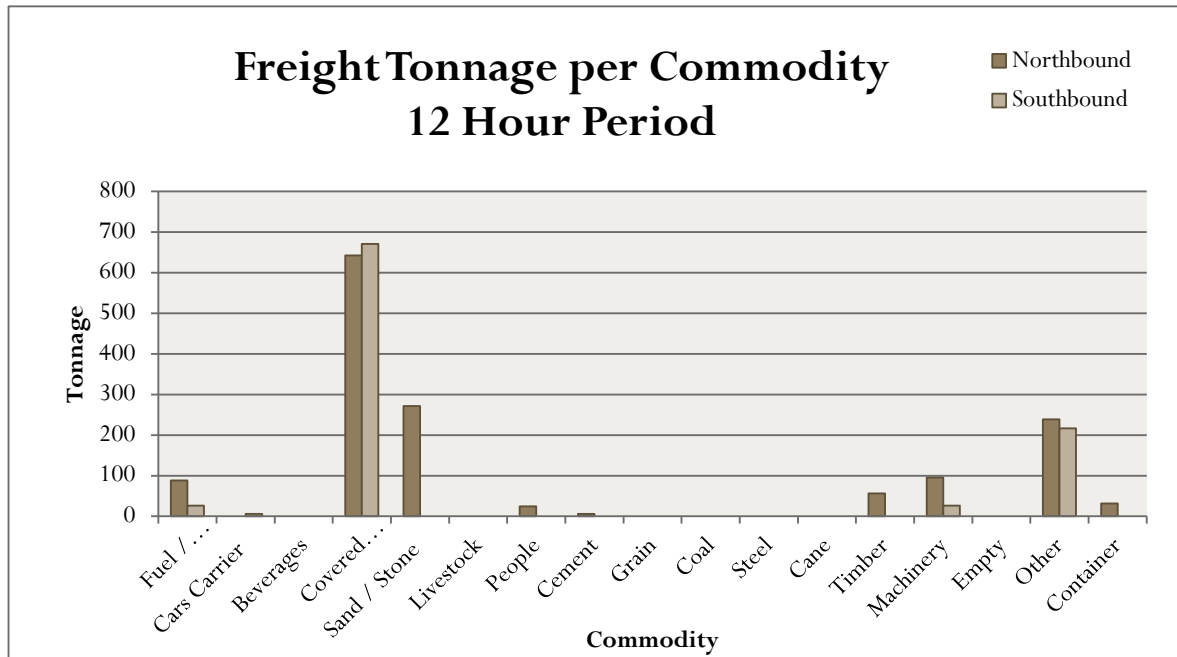


Freight Volumes by Commodity Type 24 Hour Period



Freight Volumes by Commodity Type 2023 - Yearly Period





Staffords Post (R56 Umzimkulu to Richmond)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)													Date: 28-08-2023
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	0	20	50	88	Fuel / Chemicals	6	0	0	20	0	26
Cars Carrier	0	0	0	0	0	0	Cars Carrier	6	0	0	0	0	6
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	222	0	15	80	325	642	Covered Load / Sail or Tarp	246	0	0	100	325	671
Sand / Stone	96	20	0	80	75	271	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	24	0	0	0	0	24	People	0	0	0	0	0	0
Cement	6	0	0	0	0	6	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	6	0	0	0	50	56	Timber	0	0	0	0	0	0
Machinery	30	0	0	40	25	95	Machinery	6	0	0	20	0	26
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	144	10	0	60	25	239	Other	96	0	0	20	100	216
Container	6	0	0	0	25	31	Container	0	0	0	0	0	0

Staffords Post (R56 Umzimkulu to Richmond)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)													Date: 28-08-2023
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	0	24	61	106	Fuel / Chemicals	7	0	0	24	0	31
Cars Carrier	0	0	0	0	0	0	Cars Carrier	7	0	0	0	0	7
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	269	0	18	97	393	777	Covered Load / Sail or Tarp	298	0	0	121	393	812
Sand / Stone	116	24	0	97	91	328	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	29	0	0	0	0	29	People	0	0	0	0	0	0
Cement	7	0	0	0	0	7	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	7	0	0	0	61	68	Timber	0	0	0	0	0	0
Machinery	36	0	0	48	30	115	Machinery	7	0	0	24	0	31
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	174	12	0	73	30	289	Other	116	0	0	24	121	261
Container	7	0	0	0	30	38	Container	0	0	0	0	0	0

Staffords Post (R56 Umzimkulu to Richmond)													
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	0	8833	22083	38865	Fuel / Chemicals	2650	0	0	8833	0	11483
Cars Carrier	0	0	0	0	0	0	Cars Carrier	2650	0	0	0	0	2650
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	98046	0	6625	35332	143536	283539	Covered Load / Sail or Tarp	108646	0	0	44165	143536	296347
Sand / Stone	42398	8833	0	35332	33124	119687	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	10600	0	0	0	0	10600	People	0	0	0	0	0	0
Cement	2650	0	0	0	0	2650	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	2650	0	0	0	22083	24732	Timber	0	0	0	0	0	0
Machinery	13250	0	0	17666	11041	41957	Machinery	2650	0	0	8833	0	11483
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	63598	4417	0	26499	11041	105554	Other	42398	0	0	8833	44165	95396
Container	2650	0	0	0	11041	13691	Container	0	0	0	0	0	0

Staffords Post (R56 Umzimkulu to Richmond)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 28-08-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	1					1	2 Axle						0
3 Axle						0	3 Axle						0
4 Axle						0	4 Axle						0
5 Axle						0	5 Axle						0
6 Axle						0	6 Axle						0
≥ 7 Axle				1		2	≥ 7 Axle						0
TOTAL						3	TOTAL						0

Staffords Post (R56 Umzimkulu to Richmond)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 28-08-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle	1	0	0	0	0	1	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	0	0	0	0	0
6 Axle	0	0	0	0	0	0	6 Axle	0	0	0	0	0	0
≥ 7 Axle	0	0	0	1	0	2	≥ 7 Axle	0	0	0	0	0	0
TOTAL						4	TOTAL						0

Staffords Post (R56 Umzimkulu to Richmond)													
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	442	0	0	0	0	442	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	0	0	0	0	0
6 Axle	0	0	0	0	0	0	6 Axle	0	0	0	0	0	0
≥ 7 Axle	0	0	0	442	0	883	≥ 7 Axle	0	0	0	0	0	0
TOTAL						1325	TOTAL						0