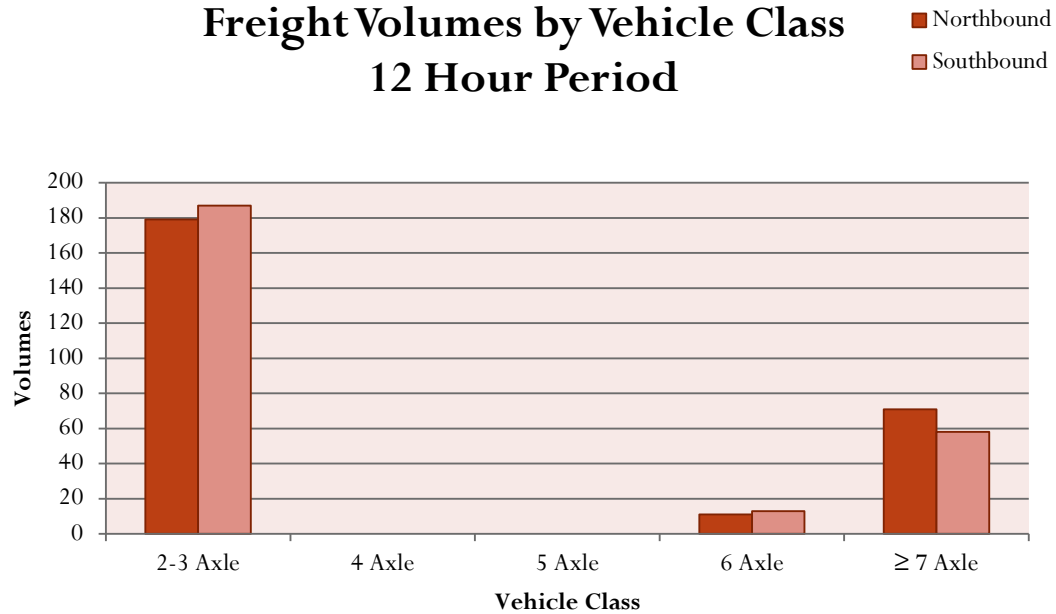
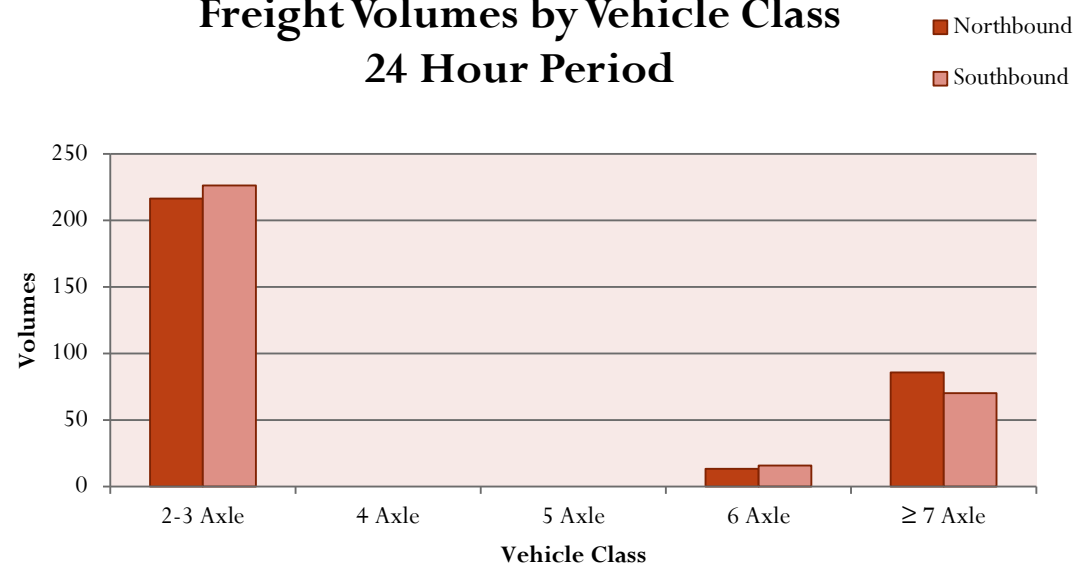


TRAFFIC HIGHLIGHTS OF SITE V8456				
1.1	Site Identifier	V8456		
1.2	Site Name	P22-1 Station 1		
1.3	Site Description	Segment 1		
1.4	Road Description	Route : Road : P22-1 Section : Distance : 0.0km		
1.5	GPS Position	30 42 41.8E -30 18 51.3S		
1.6	Number of Lanes	2		
1.7	Station Type	Secondary		
1.8	Requested Period	2020/10/20 - 2020/10/28		
1.9	Length of record requested (hours)	216		
1.10	Actual First & Last Dates	2020/10/20 - 2020/10/27		
1.11	Actual available good data (hours)	169		
1.12	Percentage good data available for requested period	78.6		
		To Park Rynie	To High Flats	Total
2.1a	Total number of vehicles (counted)	34176	34286	68462
2.1b	Total number of vehicles (projected for period)	43458	43598	87056
2.2	Average daily traffic (ADT)	4829	4844	9673
2.3	Average daily truck traffic (ADTT)	367	361	727
2.4	Percentage of trucks	7.6	7.4	7.5
2.5	Truck split % (short:medium:long)	41 : 7 : 52	40 : 7 : 53	40 : 7 : 53
2.6	Percentage of night traffic (20:00 - 06:00)	8.6	8.6	8.6
3.1	Speed limit (km/hr)			80
3.2	Average speed (km/hr)	78.9	79.7	79.3
3.3	Average speed - light vehicles (km/hr)	80.0	80.4	80.2
3.4	Average speed - heavy vehicles (km/hr)	65.3	70.9	68.1
3.5	Average night speed (km/hr)	80.7	81.4	81.1
3.6	15th centile speed (km/hr)	65.6	67.5	67.6
3.7	85th centile speed (km/hr)	93.9	93.9	93.9
3.8	Percentage vehicles in excess of speed limit	44.7	46.3	45.5
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	0.0	69.4
4.2	Highest volume on the road (vehicles/hr)		2020/10/23 16:00:00	962
4.3	Highest volume in the East (vehs/hr)		2020/10/23 12:00:00	504
4.4	Highest volume in the West (vehs/hr)		2020/10/23 17:00:00	530
4.5	Highest volume in a lane (vehicles/hr)		2020/10/23 17:00:00	530
4.6	15th highest volume on the road (vehicles/hr)		2020/10/20 17:00:00	799
4.7	15th highest volume in the East direction (vehs/hr)		2020/10/20 16:00:00	390
4.8	15th highest volume in the West direction (vehs/hr)		2020/10/24 13:00:00	395
4.9	30th highest volume on the road (vehicles/hr)		2020/10/26 13:00:00	700
4.10	30th highest volume in the East direction (vehs/hr)		2020/10/27 12:00:00	359
4.11	30th highest volume in the West direction (vehs/hr)		2020/10/20 15:00:00	353
5.1	Percentage of vehicles less than 2s behind vehicle ahead			
6.1	Total number of heavy vehicles (projected for period)	3301	3245	6546
6.2	Estimated average number of axles per truck	4.8	4.9	4.8
6.3	Estimated truck mass (Ton/truck)	27.3	27.6	27.5
6.4	Estimated average E80/truck	1.5	1.5	1.5
6.5	Estimated daily E80 on the road			1102
6.6	Estimated daily E80 in the East direction			552
6.7	Estimated daily E80 in the West direction			549
6.8	Estimated daily E80 in the worst East lane			552
6.9	Estimated daily E80 in the worst West lane			549
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)

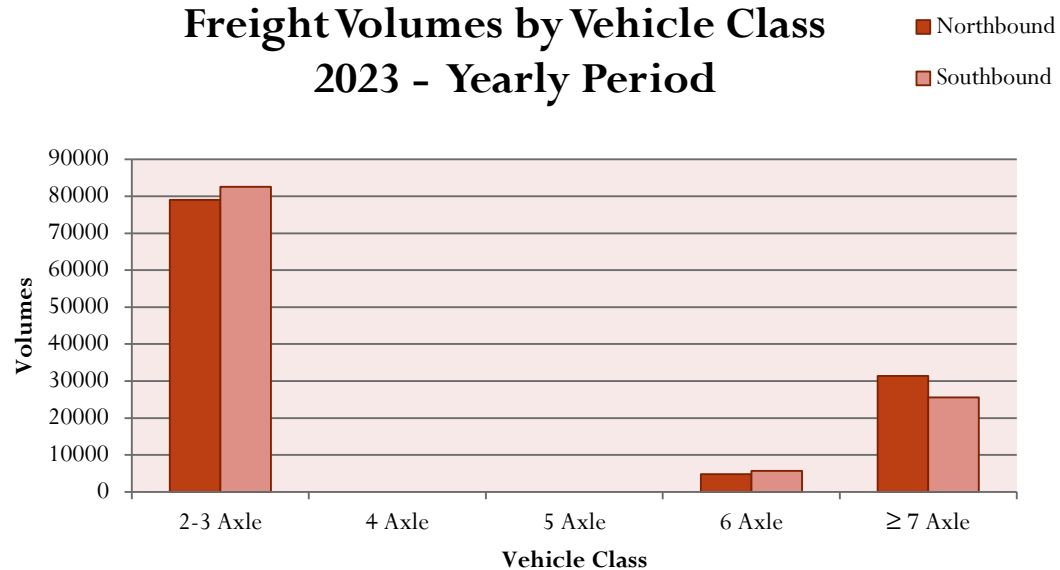
Freight Volumes by Vehicle Class 12 Hour Period

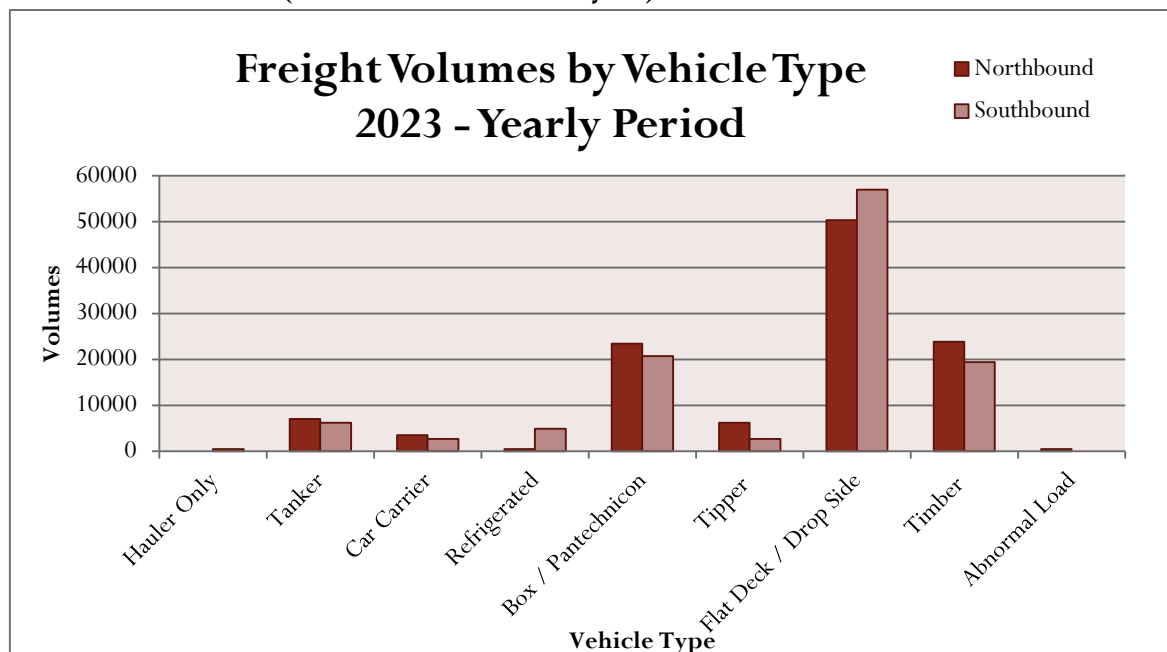
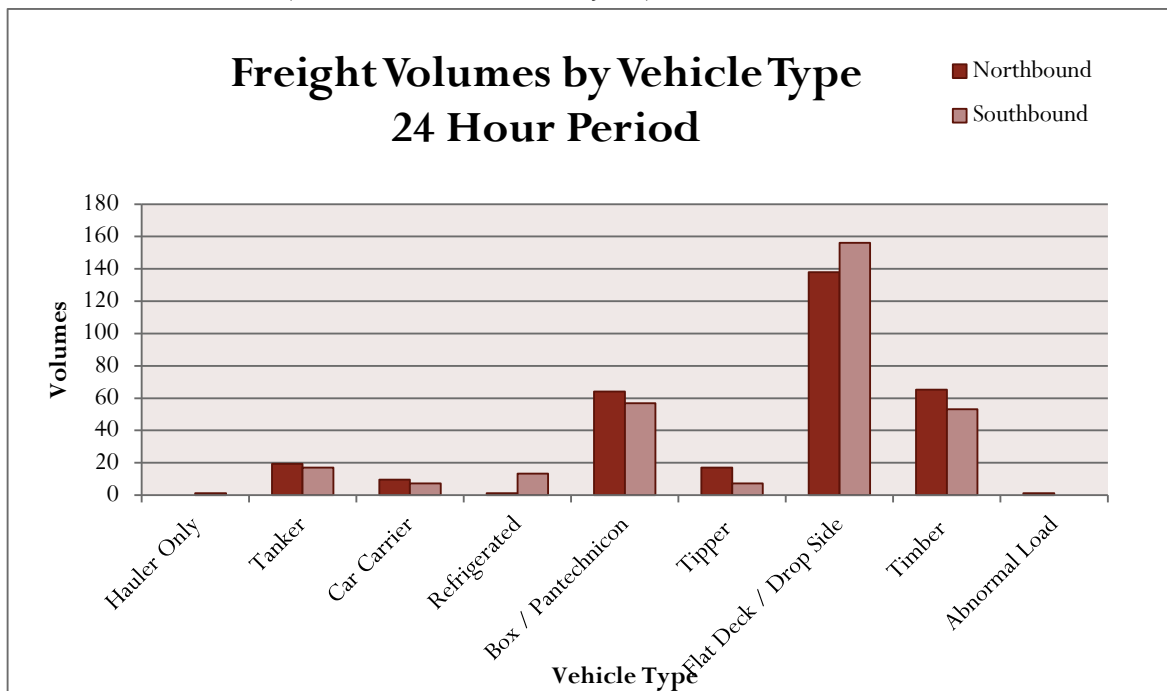
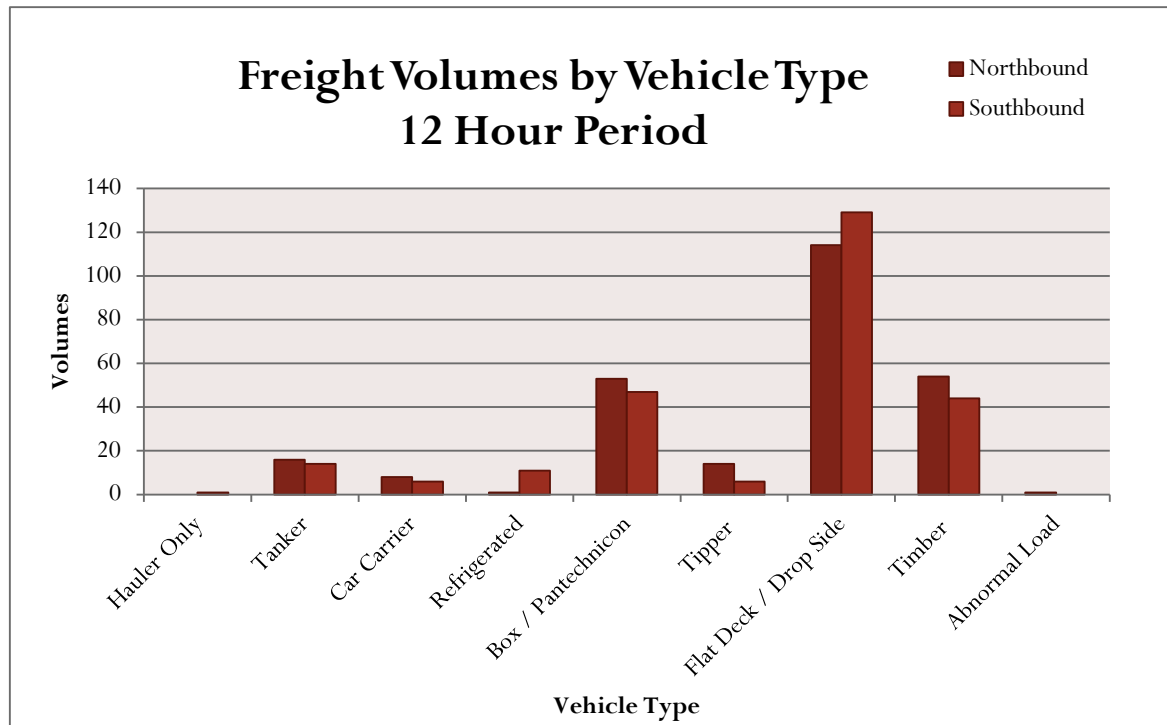


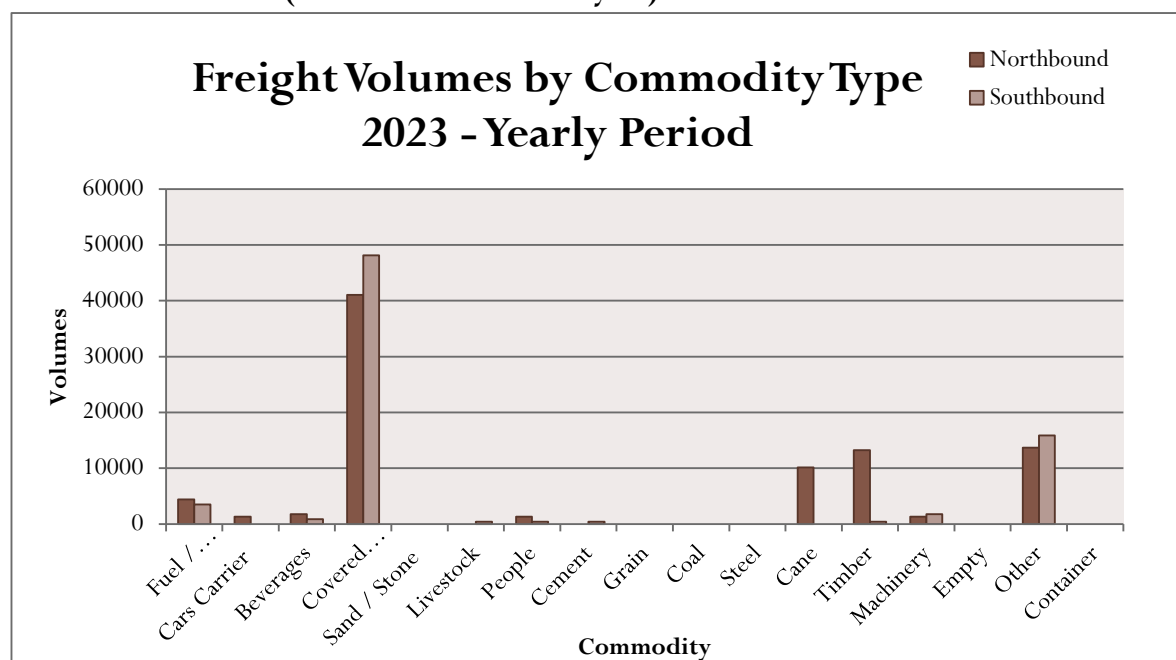
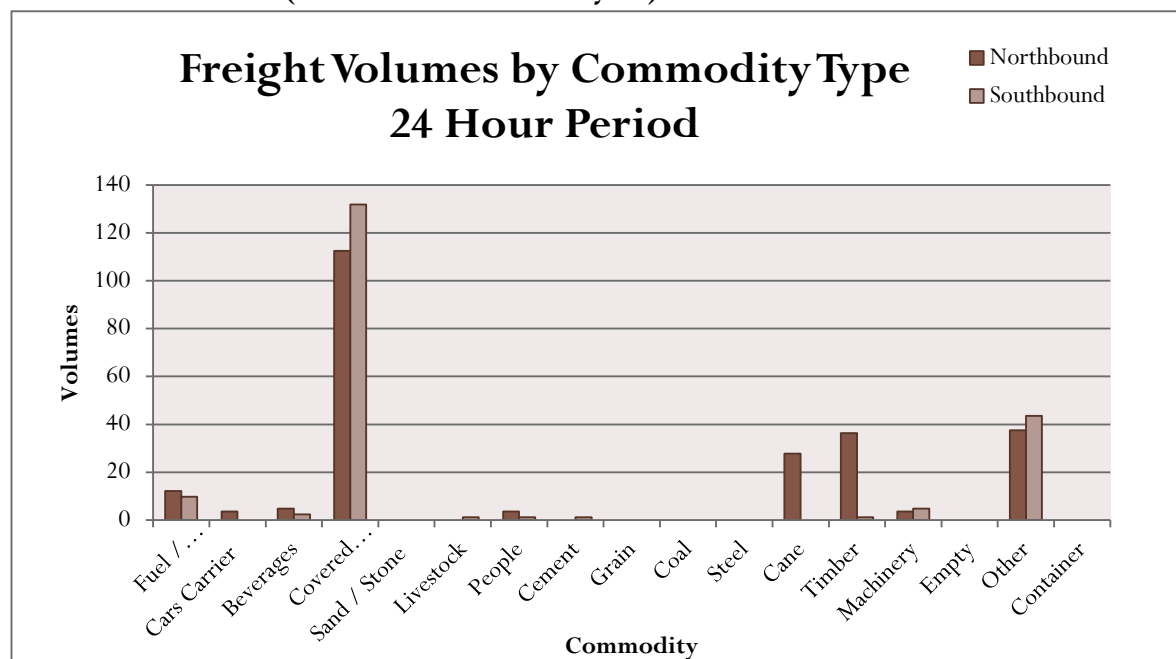
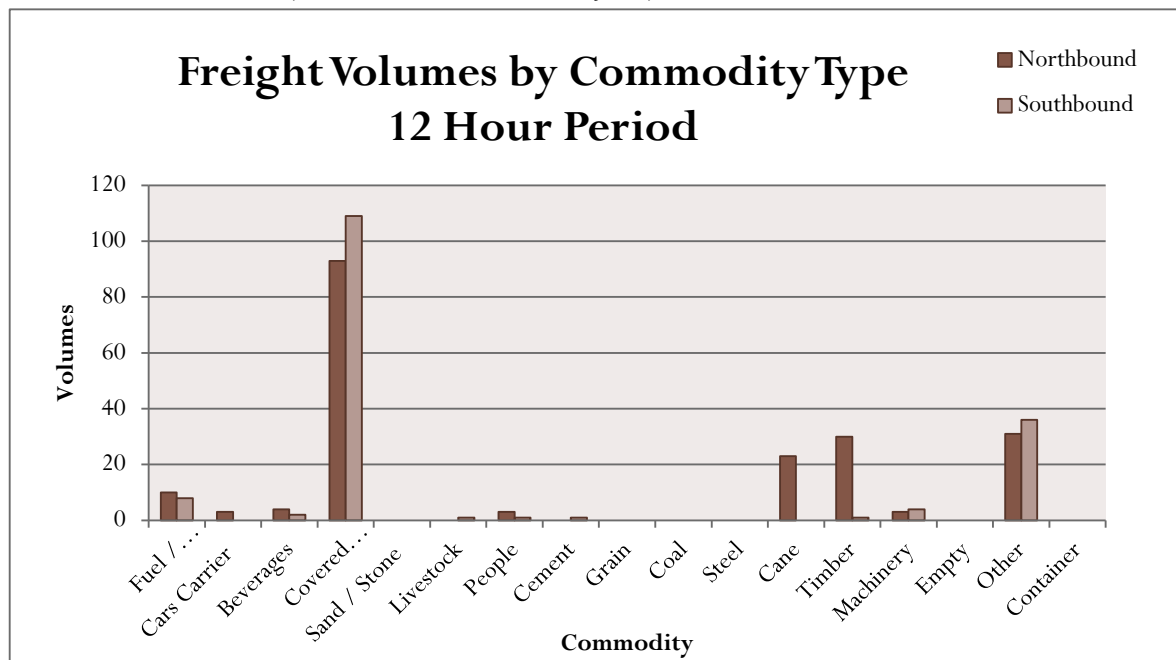
Freight Volumes by Vehicle Class 24 Hour Period



Freight Volumes by Vehicle Class 2023 - Yearly Period

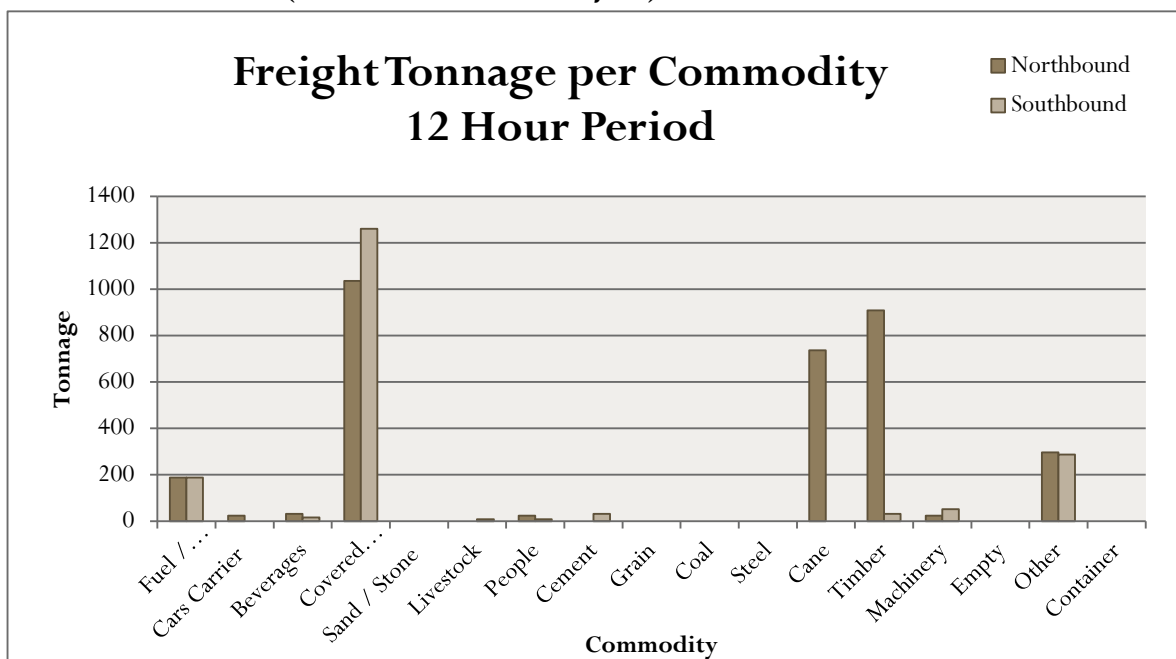






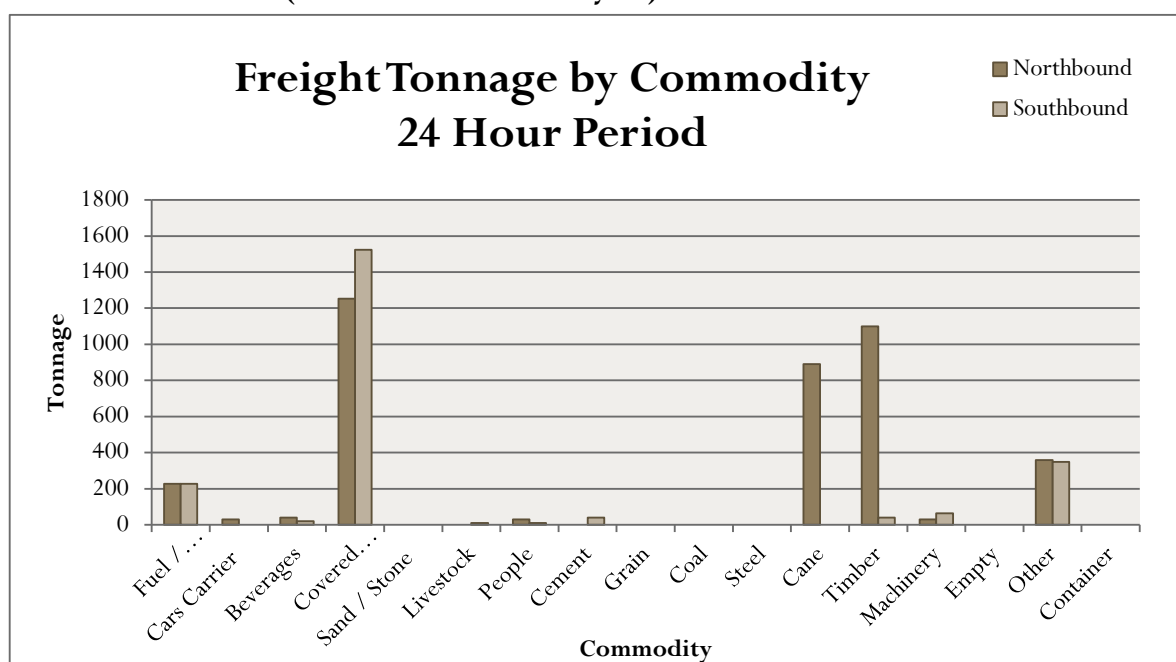
Umzinto (R612 Umzinto to Park Rynie)

Date: 20-09-2023

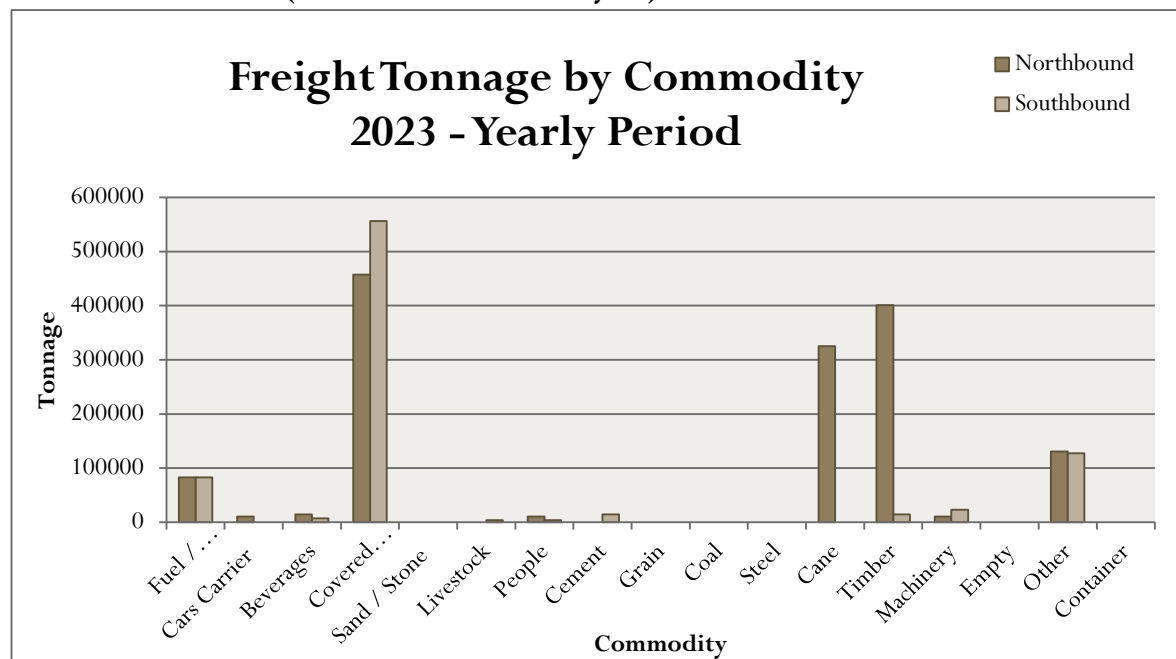


Umzinto (R612 Umzinto to Park Rynie)

Date: 20-09-2023



Umzinto (R612 Umzinto to Park Rynie)



Umzinto (R612 Umzinto to Park Rynie)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 20-09-2023	
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	40	0	0	84	64	188	Fuel / Chemicals	16	0	0	140	32	188
Cars Carrier	24	0	0	0	0	24	Cars Carrier	0	0	0	0	0	0
Beverages	32	0	0	0	0	32	Beverages	16	0	0	0	0	16
Covered Load / Sail or Tarp	640	0	0	140	256	1036	Covered Load / Sail or Tarp	736	0	0	140	384	1260
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	8	0	0	0	0	8
People	24	0	0	0	0	24	People	8	0	0	0	0	8
Cement	0	0	0	0	0	0	Cement	0	0	0	0	32	32
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	736	736	Cane	0	0	0	0	0	0
Timber	16	0	0	28	864	908	Timber	0	0	0	0	32	32
Machinery	24	0	0	0	0	24	Machinery	24	0	0	28	0	52
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	232	0	0	0	64	296	Other	288	0	0	0	0	288
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Umzinto (R612 Umzinto to Park Rynie)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 20-09-2023	
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	48	0	0	102	77	227	Fuel / Chemicals	19	0	0	169	39	227
Cars Carrier	29	0	0	0	0	29	Cars Carrier	0	0	0	0	0	0
Beverages	39	0	0	0	0	39	Beverages	19	0	0	0	0	19
Covered Load / Sail or Tarp	774	0	0	169	310	1254	Covered Load / Sail or Tarp	891	0	0	169	465	1525
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	10	0	0	0	0	10
People	29	0	0	0	0	29	People	10	0	0	0	0	10
Cement	0	0	0	0	0	0	Cement	0	0	0	0	39	39
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	891	891	Cane	0	0	0	0	0	0
Timber	19	0	0	34	1045	1099	Timber	0	0	0	0	39	39
Machinery	29	0	0	0	0	29	Machinery	29	0	0	34	0	63
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	281	0	0	0	77	358	Other	348	0	0	0	0	348
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Umzinto (R612 Umzinto to Park Rynie)													
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	17666	0	0	37099	28266	83030	Fuel / Chemicals	7066	0	0	61831	14133	83030
Cars Carrier	10600	0	0	0	0	10600	Cars Carrier	0	0	0	0	0	0
Beverages	14133	0	0	0	0	14133	Beverages	7066	0	0	0	0	7066
Covered Load / Sail or Tarp	282656	0	0	61831	113062	457549	Covered Load / Sail or Tarp	325054	0	0	61831	169594	556479
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	0	0	Livestock	3533	0	0	0	0	3533
People	10600	0	0	0	0	10600	People	3533	0	0	0	0	3533
Cement	0	0	0	0	0	0	Cement	0	0	0	0	14133	14133
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	325054	325054	Cane	0	0	0	0	0	0
Timber	7066	0	0	12366	381586	401018	Timber	0	0	0	0	14133	14133
Machinery	10600	0	0	0	0	10600	Machinery	10600	0	0	12366	0	22966
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	102463	0	0	0	28266	130728	Other	127195	0	0	0	0	127195
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Umzinto (R612 Umzinto to Park Rynie)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 20-09-2023	
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						0
6 Axle						0	6 Axle						0
≥ 7 Axle						0	≥ 7 Axle						0
TOTAL						0	TOTAL						0

Umzinto (R612 Umzinto to Park Rynie)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 20-09-2023	
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	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	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						0	TOTAL						0

Umzinto (R612 Umzinto to Park Rynie)													
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	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	0	0	0	≥ 7 Axle	0	0	0	0	0	0
TOTAL						0	TOTAL						0