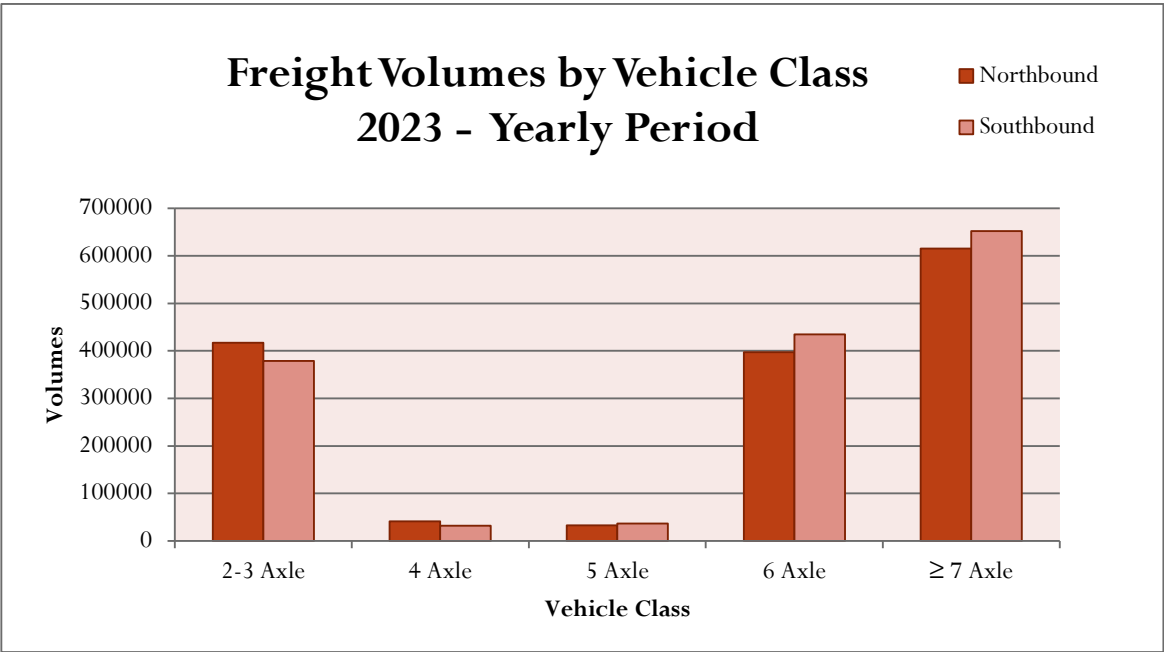
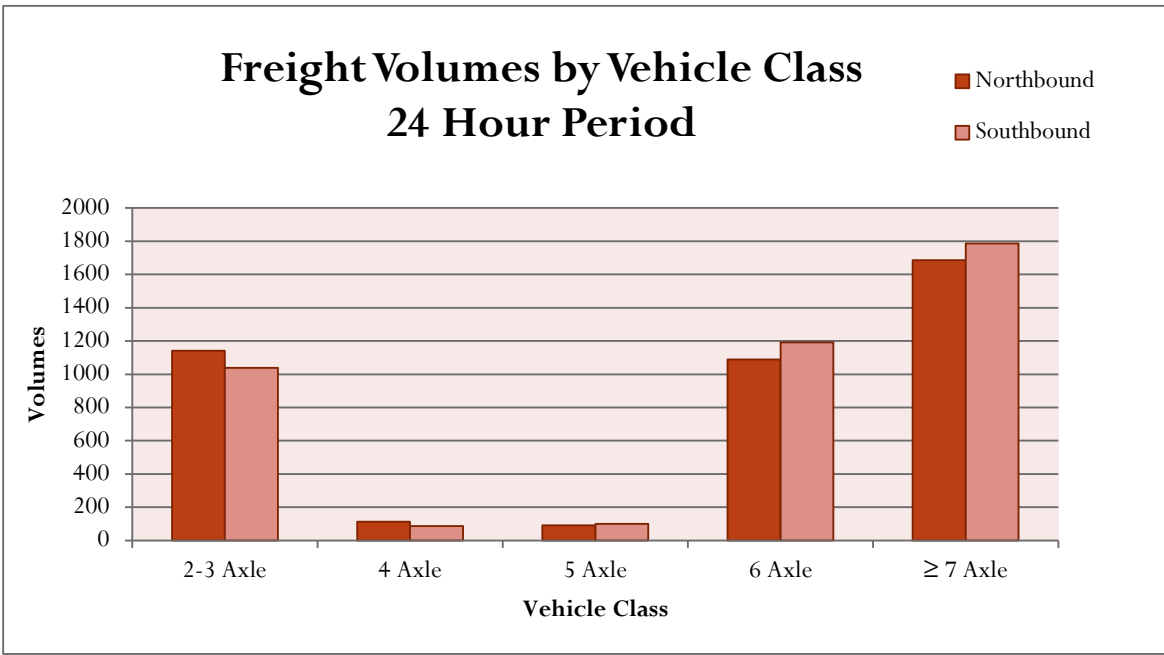
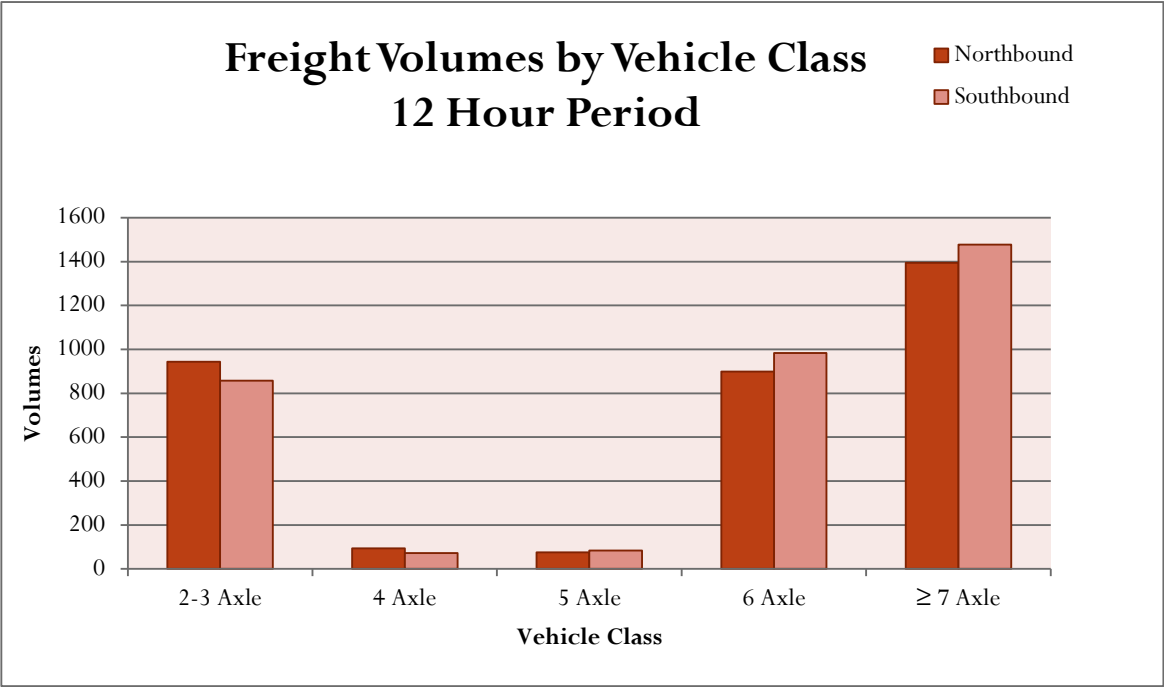


TRAFFIC HIGHLIGHTS OF SITE 3017			
1.1	Site Identifier	3017	
1.2	Site Name	Cedara WIM	
1.3	Site Description	Between Cedara & Howick I/C	
1.4	Road Description	Route : N003 Road : N003 Section : 04 Distance : 3.0km	
1.5	GPS Position	30 16 04.0E -29 31 59.0S	
1.6	Number of Lanes	4	
1.7	Station Type	Permanent WIM	
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)	8725	
1.12	Percentage good data available for requested period	99.6	
		To Mooi River	Total
2.1a	Total number of vehicles (counted)	6861011	13548236
2.1b	Total number of vehicles (projected for period)	6888397	13602314
2.2	Average daily traffic (ADT)	18872	37267
2.3	Average daily truck traffic (ADTT)	4856	9628
2.4	Percentage of trucks	25.7	25.8
2.5	Truck split % (short:medium:long)	15 : 12 : 73	15 : 13 : 72
2.6	Percentage of night traffic (20:00 - 06:00)	13.8	14.3
3.1	Speed limit (km/hr)		120
3.2	Average speed (km/hr)	95.8	93.2
3.3	Average speed - light vehicles (km/hr)	101.4	99.0
3.4	Average speed - heavy vehicles (km/hr)	79.6	76.7
3.5	Average night speed (km/hr)	89.7	87.3
3.6	15th centile speed (km/hr)	77.8	75.9
3.7	85th centile speed (km/hr)	113.0	111.0
3.8	Percentage vehicles in excess of speed limit	4.2	3.5
4.1	Percentage vehicles in flows over 600 vehicles/hr	85.8	94.0
4.2	Highest volume on the road (vehicles/hr)	2022/12/23 13:00:00	4155
4.3	Highest volume in the North (vehs/hr)	2022/01/02 12:00:00	2400
4.4	Highest volume in the South (vehs/hr)	2022/12/16 14:00:00	2335
4.5	Highest volume in a lane (vehicles/hr)	2022/01/03 12:00:00	1581
4.6	15th highest volume on the road (vehicles/hr)	2022/12/16 15:00:00	3874
4.7	15th highest volume in the North direction (vehs/hr)	2022/01/09 12:00:00	2087
4.8	15th highest volume in the South direction (vehs/hr)	2022/12/23 16:00:00	2019
4.9	30th highest volume on the road (vehicles/hr)	2022/08/05 16:00:00	3646
4.10	30th highest volume in the North direction (vehs/hr)	2022/01/03 14:00:00	1962
4.11	30th highest volume in the South direction (vehs/hr)	2022/03/25 15:00:00	1924
5.1	Percentage of vehicles less than 2s behind vehicle ahead	24.8	23.7
6.1	Total number of heavy vehicles (projected for period)	1772338	3514200
6.2	Estimated average number of axles per truck	5.6	5.6
6.3	Estimated truck mass (Ton/truck)	30.4	31.7
6.4	Estimated average E80/truck	2.1	2.3
6.5	Estimated daily E80 on the road		22529
6.6	Estimated daily E80 in the North direction		10111
6.7	Estimated daily E80 in the South direction		12562
6.8	Actual average daily E80 in the worst North lane		6585
6.9	Actual average daily E80 in the worst South lane		7363
6.10	Actual average Axles/Truck (Short:Medium:Long)	(2.2 : 4.3 : 6.5)	(2.2 : 4.5 : 6.5)
6.11	Actual average Mass/Truck (Short:Medium:Long)	(9.1 : 23.6 : 35.9)	(8.9 : 23.6 : 37.8)
6.12	Actual average E80s/Truck (Short:Medium:Long)	(0.5 : 1.5 : 2.5)	(0.4 : 1.5 : 2.9)

L/H/Volume Report

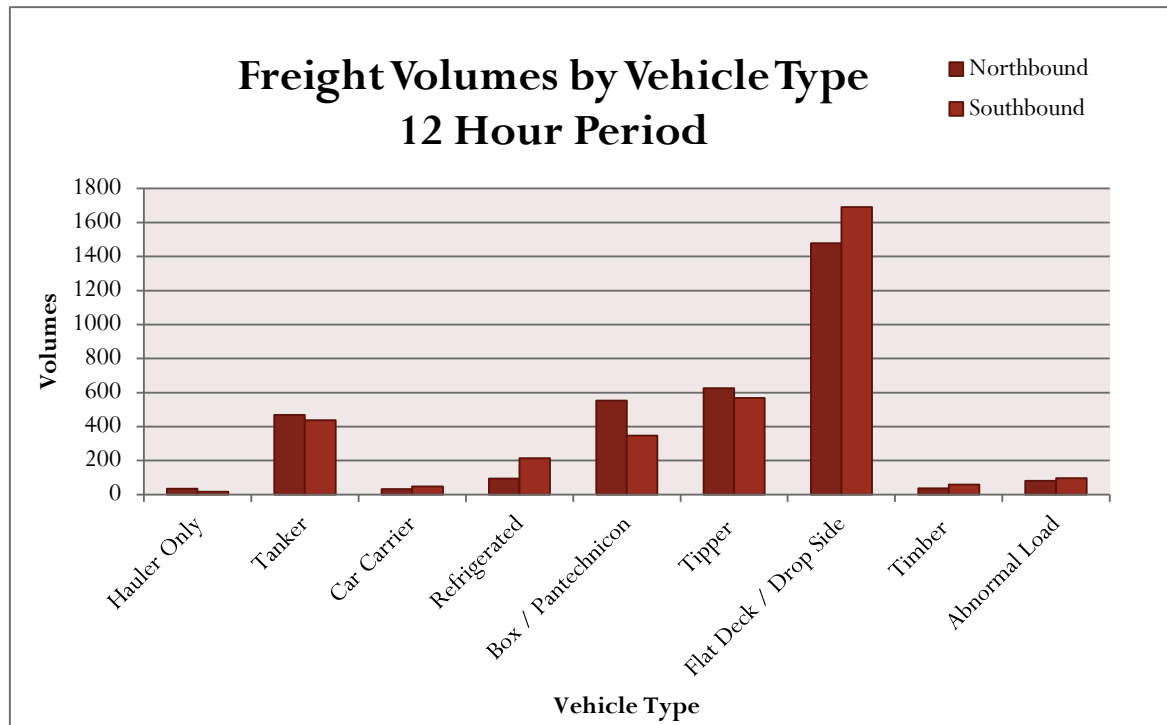
Date : 2023/10/02
Site : 3017 - Cedara WIM
Description : Between Cedara & Howick I/C

Date	Time	Dur.	Lane 1			Lane 2			Lane 3			Lane 4			To Mooi River			To PMB		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	4315	4462	8777	10731	8541	11585	9387	568	9955	5311	3888	9199	15046	5316	20362	14698	4456	19154
231003	00:00	24:00	3992	4976	8968	10304	1003	11307	9800	958	10758	4146	5167	9313	14296	5979	20275	13946	6125	20071
231004	00:00	24:00	3818	5091	8909	10208	1151	11359	10062	856	10918	4146	4933	9079	14026	6242	20268	14208	5789	19997
231005	00:00	24:00	3877	5056	8933	10583	1151	11734	10524	1001	11525	4213	5112	9325	14460	6207	20667	14737	6113	20850
231006	00:00	24:00	4797	4499	9296	13229	853	14082	12508	913	13421	4811	4984	9795	18026	5352	23378	17319	5897	23216
231007	00:00	24:00	4719	3313	8032	10364	489	10853	9279	638	9917	4720	3889	8609	15083	3802	18885	13999	4527	18526
231008	00:00	24:00	4473	3581	8054	11739	658	12397	8417	322	8739	4900	2597	7497	16212	4239	20451	13317	2919	16236



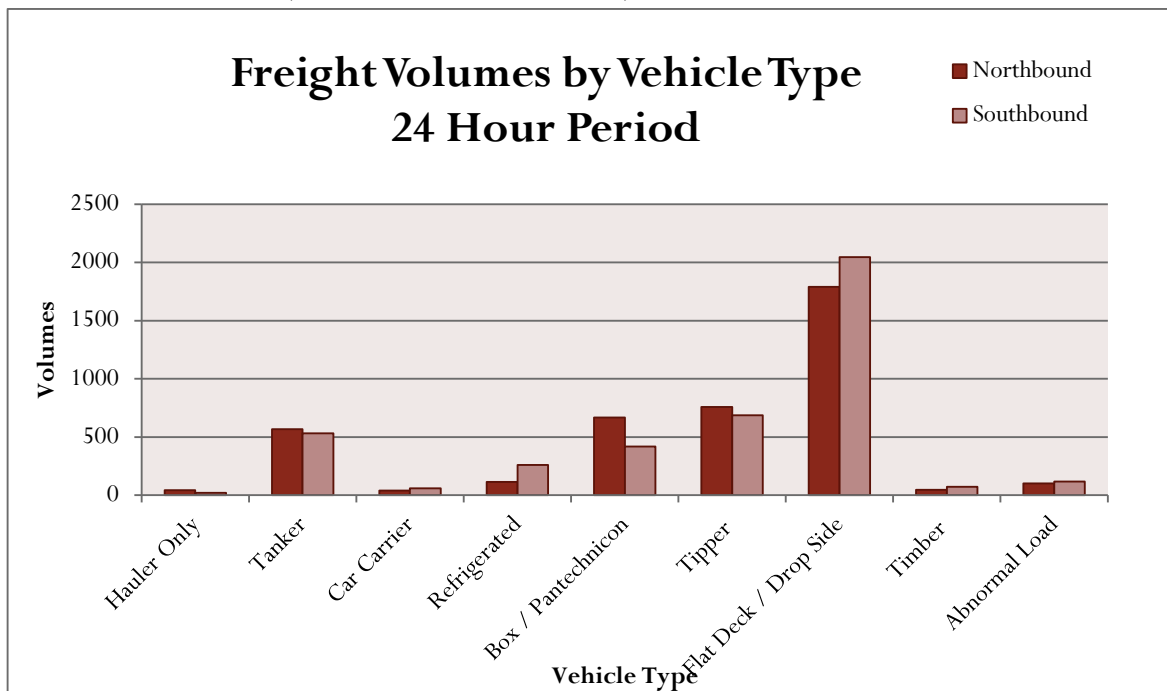
Cedara (N003 Hilton to Mooi River)

Date: 16-08-2023

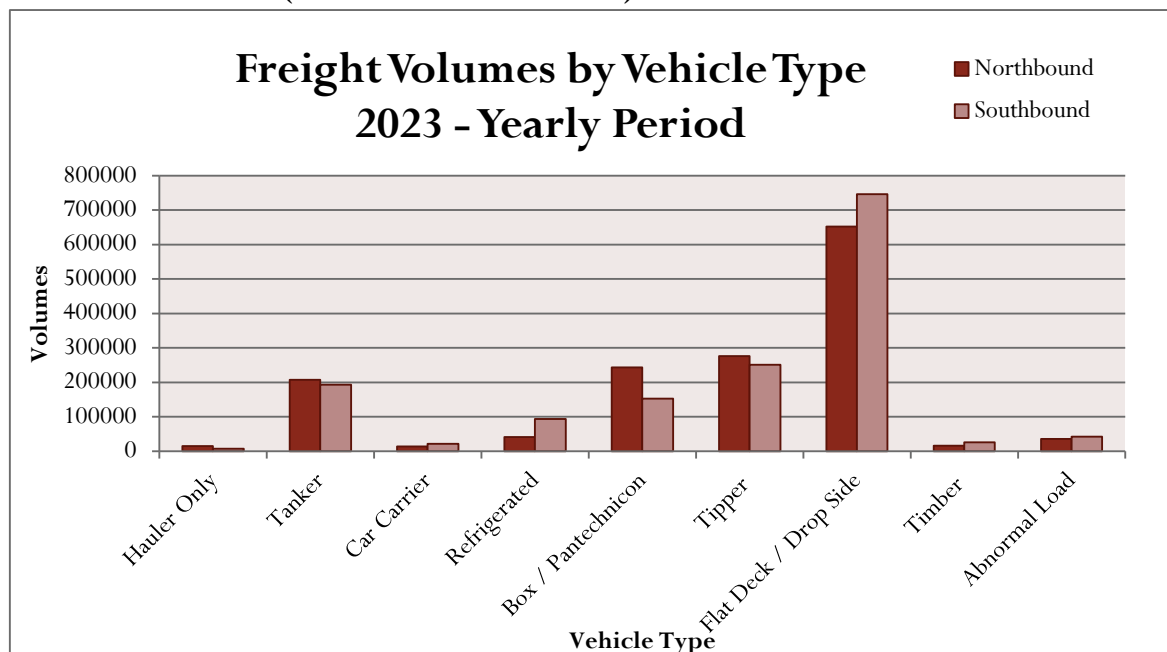


Cedara (N003 Hilton to Mooi River)

Date: 16-08-2023

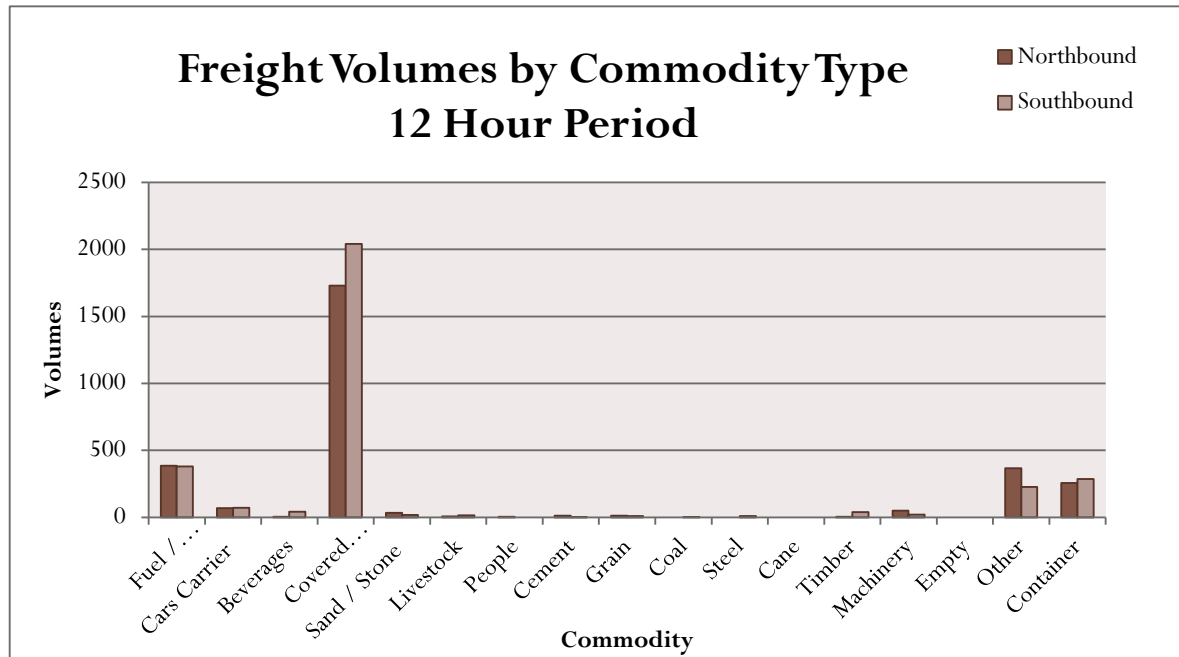


Cedara (N003 Hilton to Mooi River)



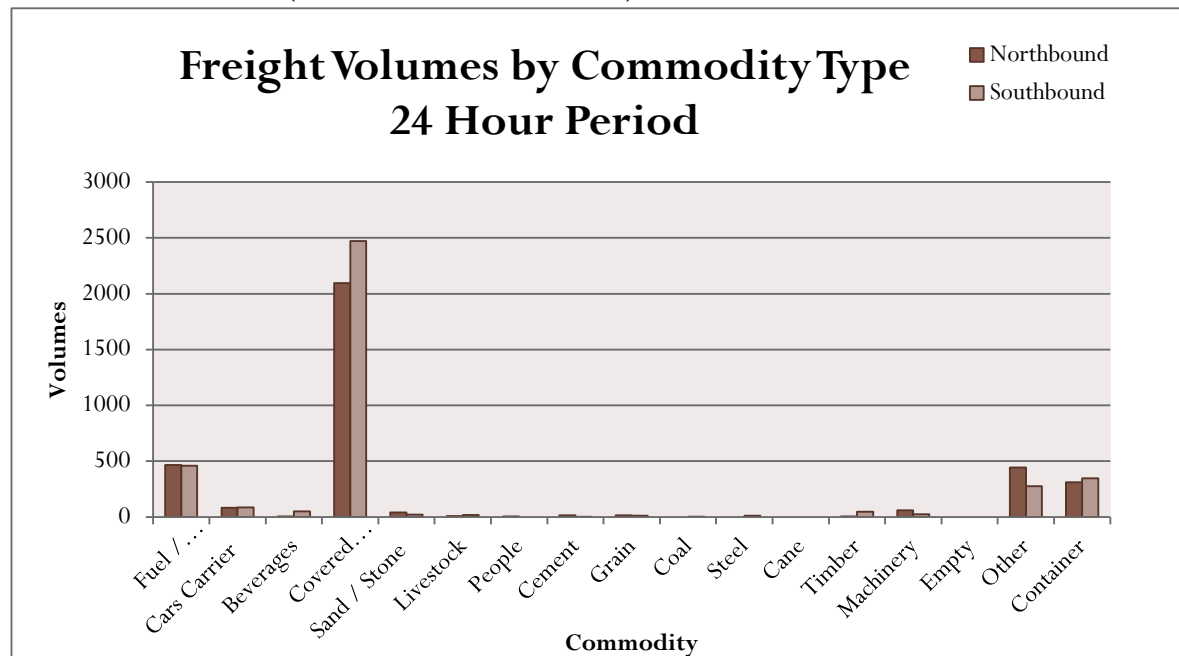
Cedara (N003 Hilton to Mooi River)

Date: 16-08-2023

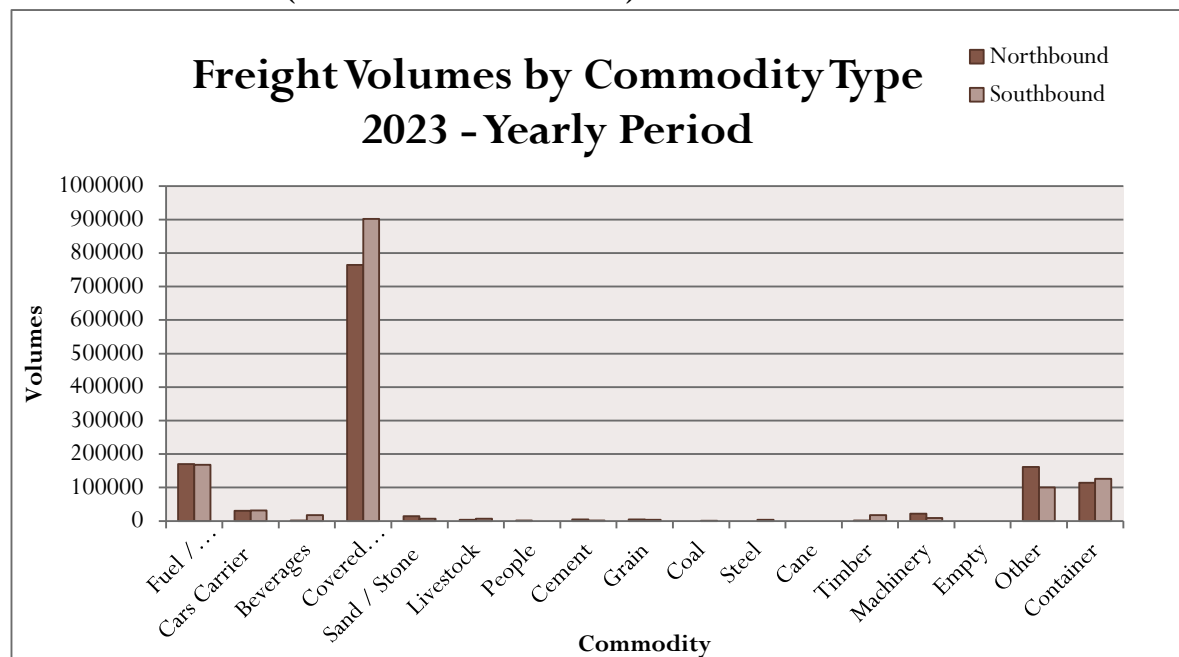


Cedara (N003 Hilton to Mooi River)

Date: 16-08-2023

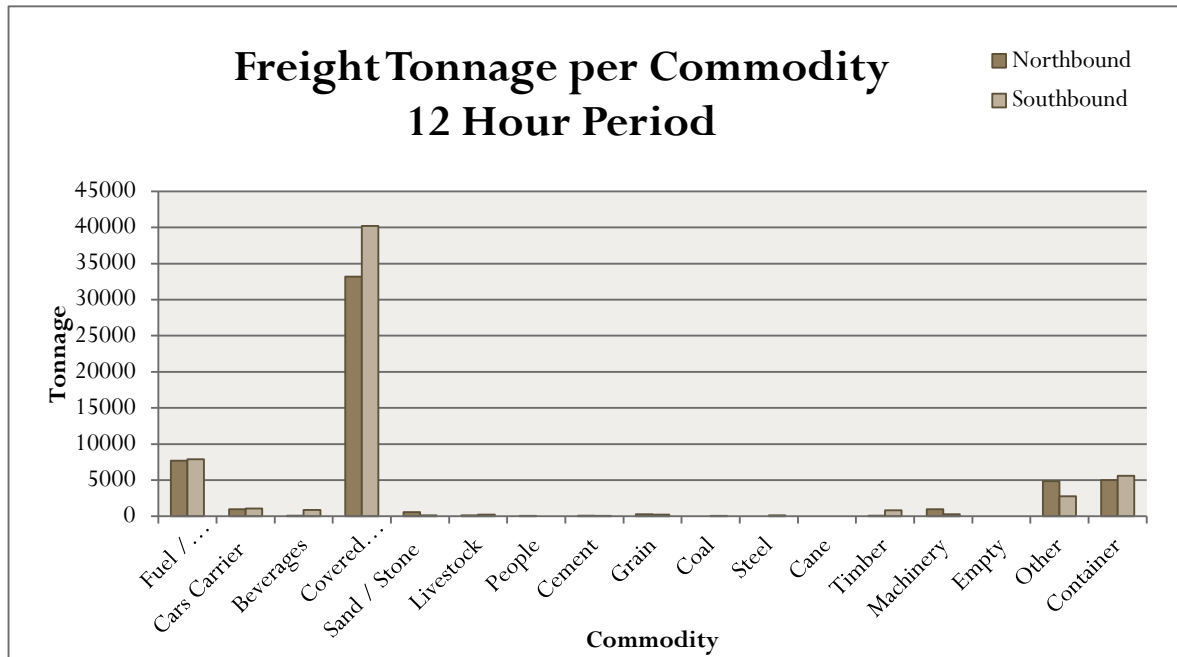


Cedara (N003 Hilton to Mooi River)



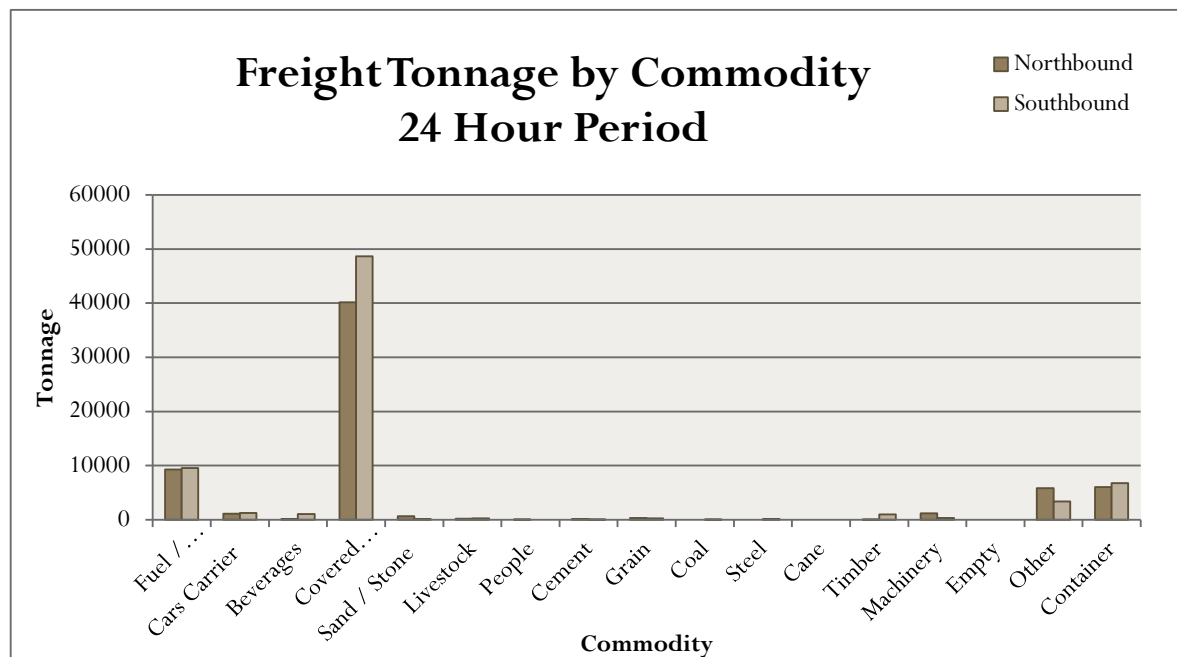
Cedara (N003 Hilton to Mooi River)

Date: 16-08-2023

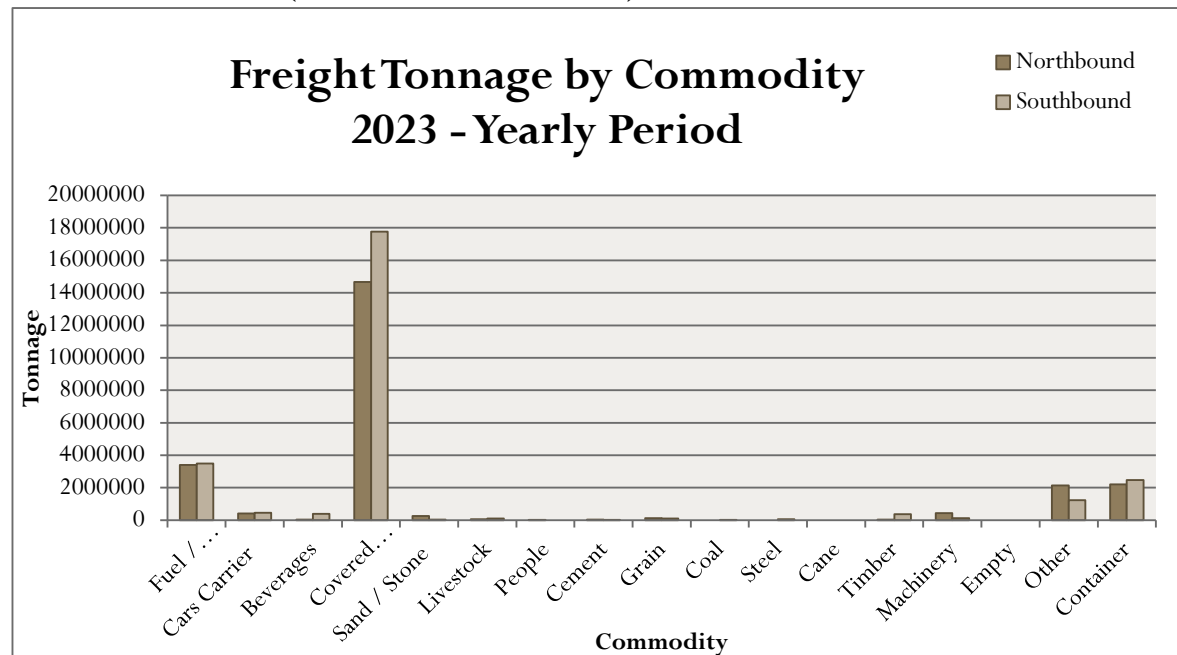


Cedara (N003 Hilton to Mooi River)

Date: 16-08-2023



Cedara (N003 Hilton to Mooi River)



Cedara (N003 Hilton to Mooi River)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 16-08-2023	
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	108	0	30	6380	1175	7693	Fuel / Chemicals	42	10	60	5820	1950	7882
Cars Carrier	48	230	270	400	0	948	Cars Carrier	84	70	315	540	50	1059
Beverages	0	0	0	60	25	85	Beverages	30	20	15	100	700	865
Covered Load / Sail or Tarp	2742	200	270	3620	26375	33207	Covered Load / Sail or Tarp	2730	160	405	6700	30225	40220
Sand / Stone	84	10	0	20	450	564	Sand / Stone	90	20	0	0	0	110
Livestock	12	0	15	60	50	137	Livestock	36	10	30	80	75	231
People	24	0	0	0	0	24	People	0	0	0	0	0	0
Cement	66	0	0	0	25	91	Cement	18	0	0	0	0	18
Grain	0	0	0	60	225	285	Grain	0	0	15	20	200	235
Coal	0	0	0	0	0	0	Coal	0	0	0	0	25	25
Steel	0	0	0	0	0	0	Steel	18	10	0	100	0	128
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	6	0	0	20	50	76	Timber	42	0	15	100	675	832
Machinery	18	30	60	580	300	988	Machinery	66	20	0	140	50	276
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	1140	80	120	1960	1550	4850	Other	810	90	45	780	1050	2775
Container	6	230	240	3760	750	4986	Container	48	180	90	4260	1025	5603

Cedara (N003 Hilton to Mooi River)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 16-08-2023	
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	131	0	36	7720	1422	9309	Fuel / Chemicals	51	12	73	7042	2360	9537
Cars Carrier	58	278	327	484	0	1147	Cars Carrier	102	85	381	653	61	1281
Beverages	0	0	0	73	30	103	Beverages	36	24	18	121	847	1047
Covered Load / Sail or Tarp	3318	242	327	4380	31914	40180	Covered Load / Sail or Tarp	3303	194	490	8107	36572	48666
Sand / Stone	102	12	0	24	545	682	Sand / Stone	109	24	0	0	0	133
Livestock	15	0	18	73	61	166	Livestock	44	12	36	97	91	280
People	29	0	0	0	0	29	People	0	0	0	0	0	0
Cement	80	0	0	0	30	110	Cement	22	0	0	0	0	22
Grain	0	0	0	73	272	345	Grain	0	0	18	24	242	284
Coal	0	0	0	0	0	0	Coal	0	0	0	0	30	30
Steel	0	0	0	0	0	0	Steel	22	12	0	121	0	155
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	7	0	0	24	61	92	Timber	51	0	18	121	817	1007
Machinery	22	36	73	702	363	1195	Machinery	80	24	0	169	61	334
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	1379	97	145	2372	1876	5869	Other	980	109	54	944	1271	3358
Container	7	278	290	4550	908	6033	Container	58	218	109	5155	1240	6780

Cedara (N003 Hilton to Mooi River)													
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	47698	0	13250	2817727	518939	3397613	Fuel / Chemicals	18549	4417	26499	2570403	861218	3481085
Cars Carrier	21199	101580	119246	176660	0	418684	Cars Carrier	37099	30916	139120	238491	22083	467707
Beverages	0	0	0	26499	11041	37540	Beverages	13250	8833	6625	44165	309155	382027
Covered Load / Sail or Tarp	1211004	88330	119246	1598773	11648519	14665872	Covered Load / Sail or Tarp	1205705	70664	178868	2959055	13348871	17763163
Sand / Stone	37099	4417	0	8833	198743	249091	Sand / Stone	39749	8833	0	0	0	48582
Livestock	5300	0	6625	26499	22083	60506	Livestock	15899	4417	13250	35332	33124	102021
People	10600	0	0	0	0	10600	People	0	0	0	0	0	0
Cement	29149	0	0	0	11041	40190	Cement	7950	0	0	0	0	7950
Grain	0	0	0	26499	99371	125870	Grain	0	0	6625	8833	88330	103788
Coal	0	0	0	0	0	0	Coal	0	0	0	0	11041	11041
Steel	0	0	0	0	0	0	Steel	7950	4417	0	44165	0	56531
Cane	0	0	0	0	0	0	Cane	0	0	0	0	0	0
Timber	2650	0	0	8833	22083	33565	Timber	18549	0	6625	44165	298114	367453
Machinery	7950	13250	26499	256157	132495	436350	Machinery	29149	8833	0	61831	22083	121895
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	503481	35332	52998	865634	684558	2142003	Other	357737	39749	19874	344487	463733	1225579
Container	2650	101580	105996	1660604	331238	2202067	Container	21199	79497	39749	1881429	452691	2474565

Cedara (N003 Hilton to Mooi River)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 16-08-2023	
Northbound							Southbound						
	1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL		1x6	2x6	3x6	1x12	1x6 + 1x12	TOTAL
2 Axle						0	2 Axle						0
3 Axle	1					1	3 Axle	6			2		10
4 Axle	1	1		21		45	4 Axle	1			18		37
5 Axle				12		24	5 Axle	3			3		9
6 Axle	37	8		412	1	880	6 Axle	66	2		143	2	362
≥ 7 Axle			3	41	200	691	≥ 7 Axle		6		10	18	86
TOTAL						1641	TOTAL						504

Cedara (N003 Hilton to Mooi River)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 16-08-2023	
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	1	0	0	0	0	1	3 Axle	7	0	0	2	0	12
4 Axle	1	1	0	25	0	54	4 Axle	1	0	0	22	0	45
5 Axle	0	0	0	15	0	29	5 Axle	4	0	0	4	0	11
6 Axle	45	10	0	499	1	1065	6 Axle	80	2	0	173	2	438
≥ 7 Axle	0	0	4	50	242	836	≥ 7 Axle	0	7	0	12	22	104
TOTAL						1986	TOTAL						610

Cedara (N003 Hilton to Mooi River)													
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	442	0	0	0	0	442	3 Axle	2650	0	0	883	0	4417
4 Axle	442	442	0	9275	0	19874	4 Axle	442	0	0	7950	0	16341
5 Axle	0	0	0	5300	0	10600	5 Axle	1325	0	0	1325	0	3975
6 Axle	16341	3533	0	181960	442	388652	6 Axle	29149	883	0	63156	883	159877
≥ 7 Axle	0	0	1325	18108	88330	305180	≥ 7 Axle	0	2650	0	4417	7950	37982
TOTAL						724748	TOTAL						222592