

TRAFFIC HIGHLIGHTS OF SITE 967				
1.1	Site Identifier	967		
1.2	Site Name	Escourt Piezo		
1.3	Site Description	Outside Estcourt Hospital		
1.4	Road Description	Route : R103 Road : P001 Section : 08 Distance : 28.0km		
1.5	GPS Position	29 53 37.6E -29 01 12.1S		
1.6	Number of Lanes	2		
1.7	Station Type	Permanent Piezo		
1.8	Requested Period	2023/01/01 - 2023/12/31		
1.9	Length of record requested (hours)	8760		
1.10	Actual First & Last Dates	2023/05/26 - 2023/12/22		
1.11	Actual available good data (hours)	5034		
1.12	Percentage good data available for requested period	57.5		
		To Estcourt	To Midway N3	Total
2.1a	Total number of vehicles (counted)	505015	504740	1009755
2.1b	Total number of vehicles (projected for period)	878682	878204	1756886
2.2	Average daily traffic (ADT)	2407	2406	4813
2.3	Average daily truck traffic (ADTT)	210	216	426
2.4	Percentage of trucks	8.7	9.0	8.9
2.5	Truck split % (short:medium:long)	59 : 13 : 28	56 : 13 : 31	57 : 13 : 30
2.6	Percentage of night traffic (20:00 - 06:00)	9.3	9.2	9.2
3.1	Speed limit (km/hr)	80		
3.2	Average speed (km/hr)	36.0	37.6	36.8
3.3	Average speed - light vehicles (km/hr)	36.4	38.2	37.3
3.4	Average speed - heavy vehicles (km/hr)	31.7	31.1	31.4
3.5	Average night speed (km/hr)	36.3	37.5	36.9
3.6	15th centile speed (km/hr)	24.8	25.8	25.8
3.7	85th centile speed (km/hr)	48.0	51.0	49.0
3.8	Percentage vehicles in excess of speed limit	0.2	0.6	0.4
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)	2023/11/06 08:00:00		549
4.3	Highest volume in the North (vehs/hr)	2023/08/11 16:00:00		288
4.4	Highest volume in the South (vehs/hr)	2023/10/25 08:00:00		323
4.5	Highest volume in a lane (vehicles/hr)	2023/10/25 08:00:00		323
4.6	15th highest volume on the road (vehicles/hr)	2023/08/17 08:00:00		523
4.7	15th highest volume in the North direction (vehs/hr)	2023/06/19 17:00:00		258
4.8	15th highest volume in the South direction (vehs/hr)	2023/08/10 08:00:00		305
4.9	30th highest volume on the road (vehicles/hr)	2023/07/20 08:00:00		514
4.10	30th highest volume in the North direction (vehs/hr)	2023/08/15 16:00:00		253
4.11	30th highest volume in the South direction (vehs/hr)	2023/07/27 08:00:00		298
5.1	Percentage of vehicles less than 2s behind vehicle ahead			
6.1	Total number of heavy vehicles (projected for period)	76803	78865	155668
6.2	Estimated average number of axles per truck	3.8	4.0	3.9
6.3	Estimated truck mass (Ton/truck)	21.7	22.7	22.2
6.4	Estimated average E80/truck	1.3	1.3	1.3
6.5	Estimated daily E80 on the road	551		
6.6	Estimated daily E80 in the North direction	266		
6.7	Estimated daily E80 in the South direction	285		
6.8	Estimated daily E80 in the worst North lane	266		
6.9	Estimated daily E80 in the worst South lane	285		
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

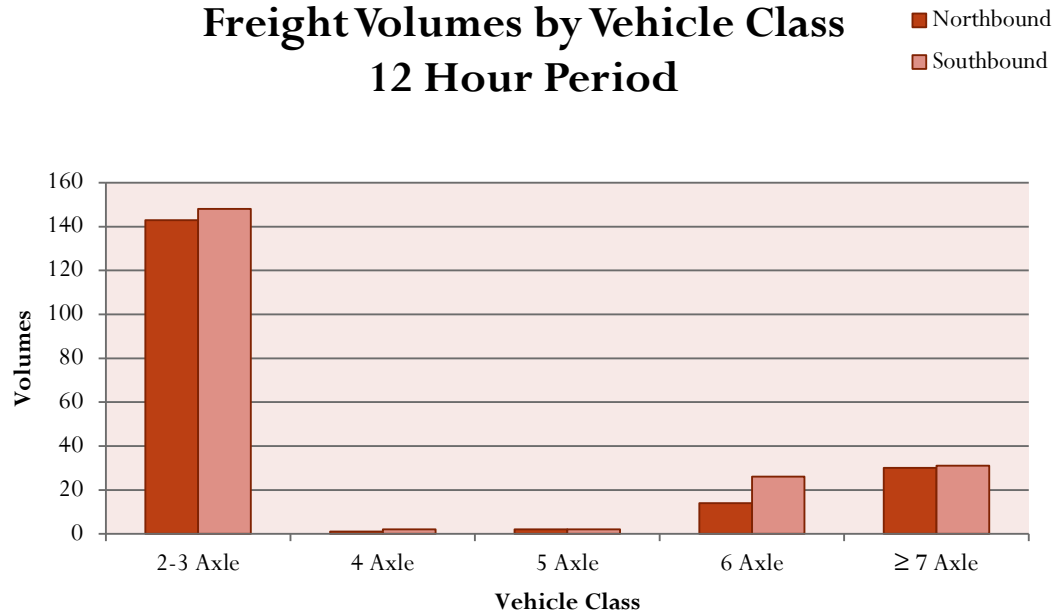
Date : 2023/10/02
Site : 967 - Escourt Piezo
Description : Outside Estcourt Hospital

Date	Time	Dur.	Lane 1			Lane 2			To Estcourt			To Midway N3		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	2409	194	2603	2402	194	2596	2409	194	2603	2402	194	2596
231003	00:00	24:00	2339	287	2626	2312	298	2610	2339	287	2626	2312	298	2610
231004	00:00	24:00	2367	282	2649	2372	255	2627	2367	282	2649	2372	255	2627
231005	00:00	24:00	2331	263	2594	2384	276	2660	2331	263	2594	2384	276	2660
231006	00:00	24:00	2466	274	2740	2408	266	2674	2466	274	2740	2408	266	2674
231007	00:00	24:00	1751	150	1901	1825	122	1947	1751	150	1901	1825	122	1947
231008	00:00	24:00	1614	95	1709	1662	77	1739	1614	95	1709	1662	77	1739

Estcourt (R103 Estcourt to Midway)

Date: 24-10-2023

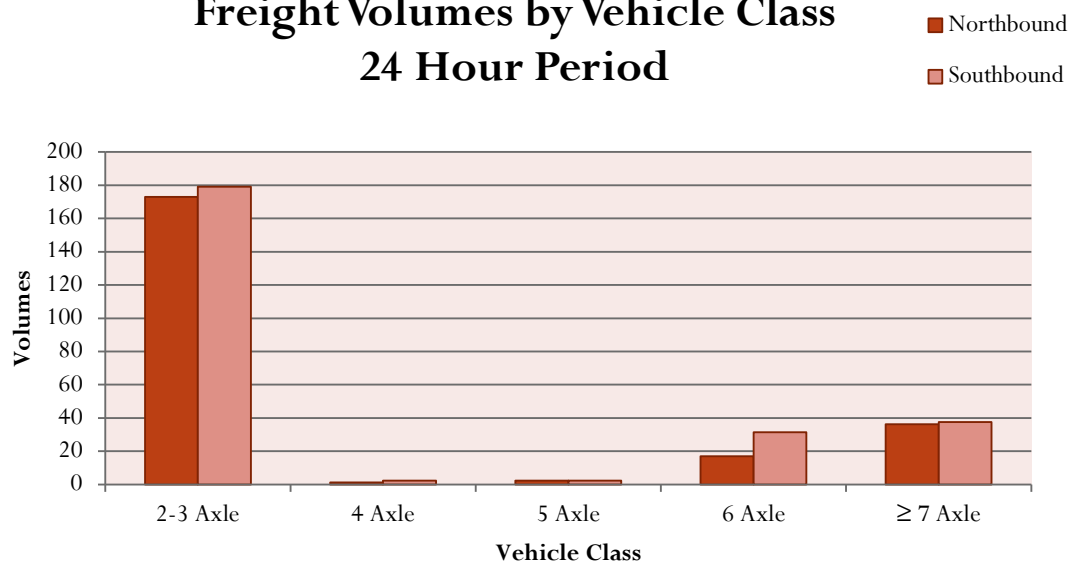
Freight Volumes by Vehicle Class 12 Hour Period



Estcourt (R103 Estcourt to Midway)

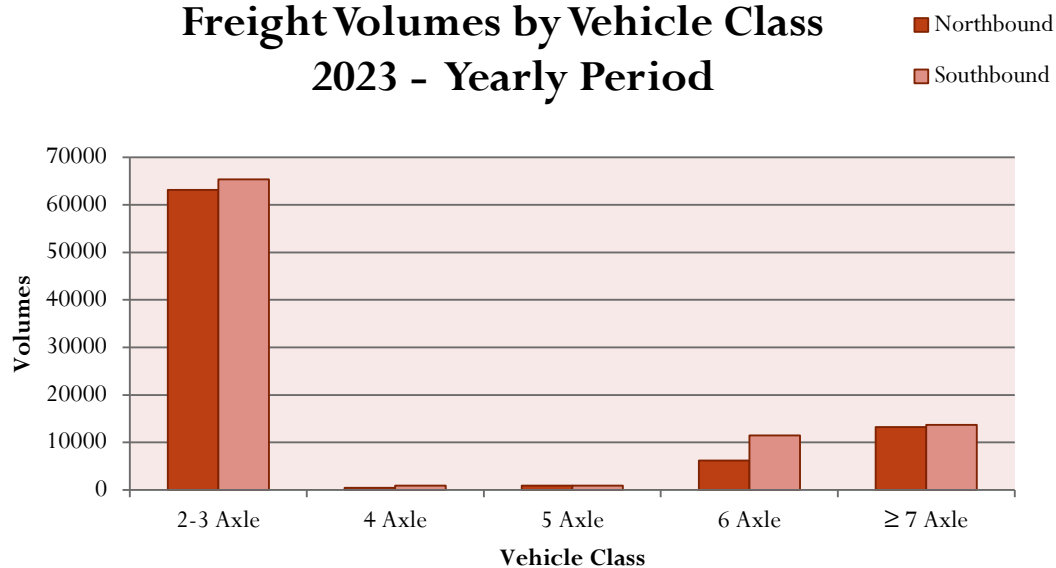
Date: 24-10-2023

Freight Volumes by Vehicle Class 24 Hour Period



Estcourt (R103 Estcourt to Midway)

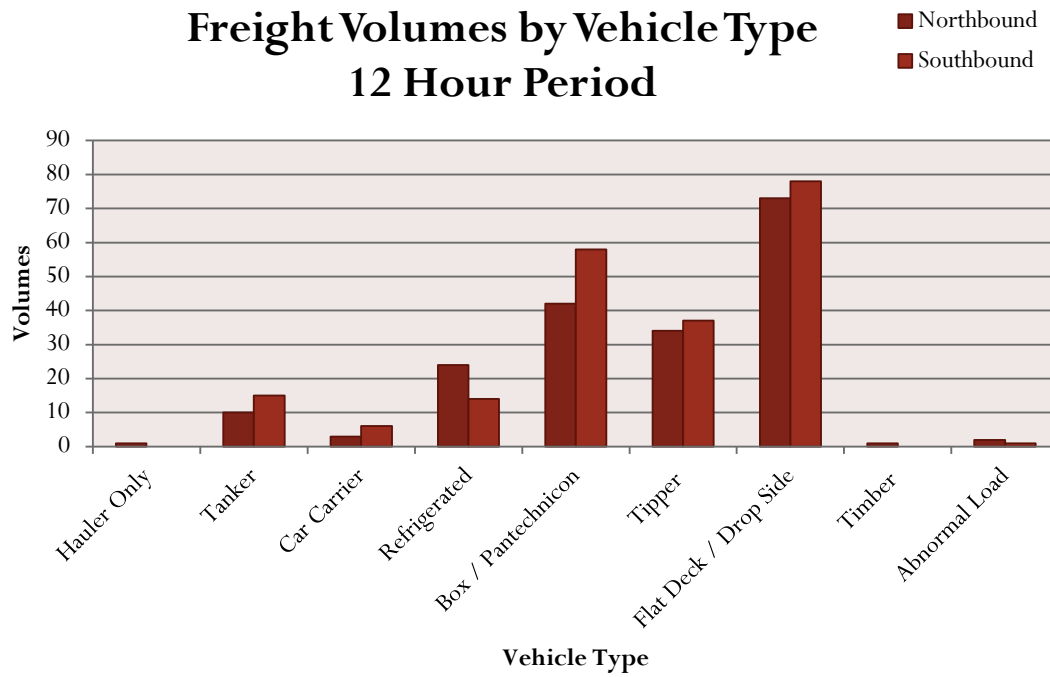
Freight Volumes by Vehicle Class 2023 - Yearly Period



Estcourt (R103 Estcourt to Midway)

Date: 24-10-2023

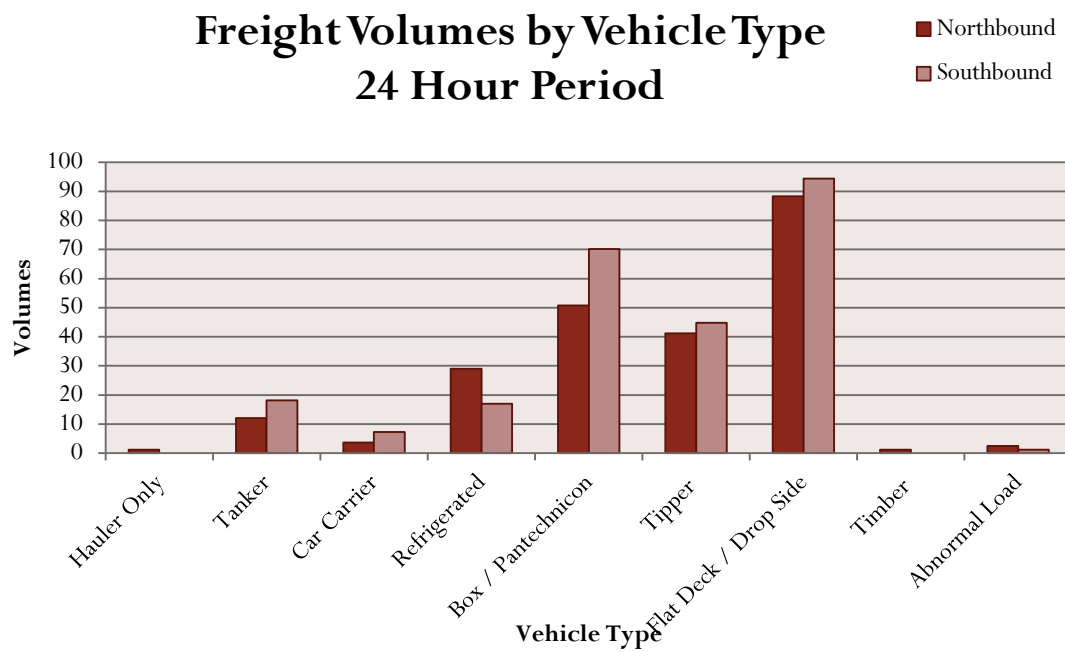
Freight Volumes by Vehicle Type 12 Hour Period



Estcourt (R103 Estcourt to Midway)

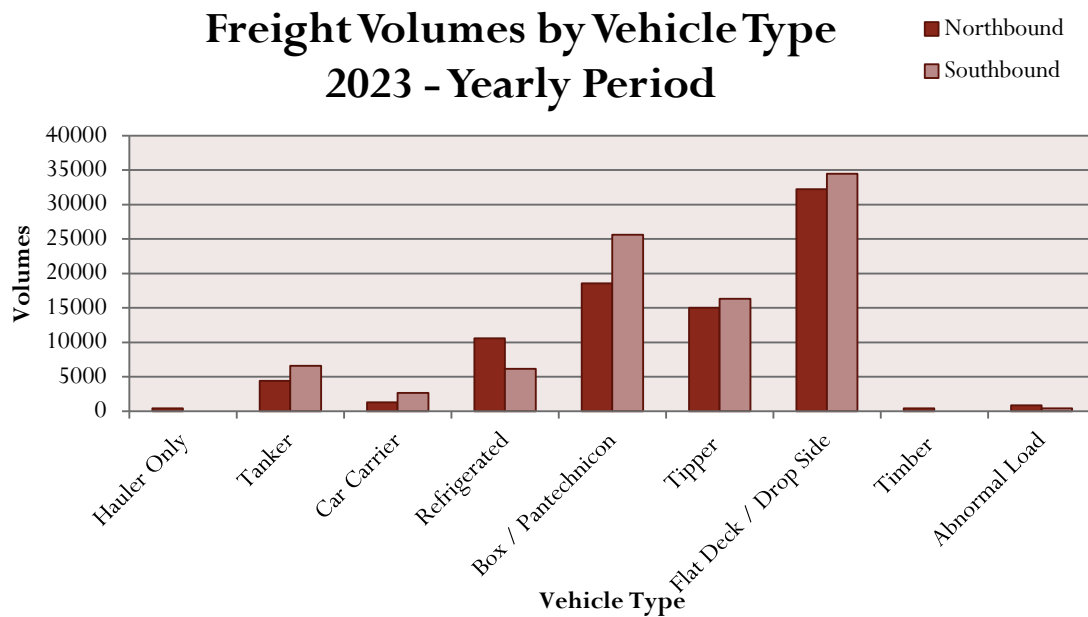
Date: 24-10-2023

Freight Volumes by Vehicle Type 24 Hour Period



Estcourt (R103 Estcourt to Midway)

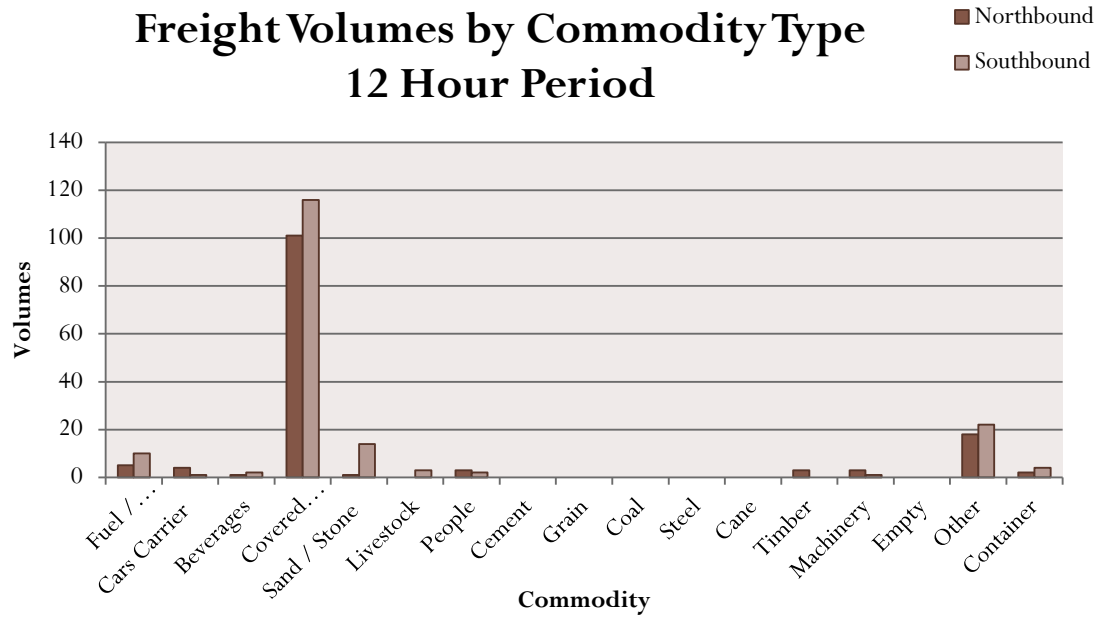
Freight Volumes by Vehicle Type 2023 - Yearly Period



Estcourt (R103 Estcourt to Midway)

Date: 24-10-2023

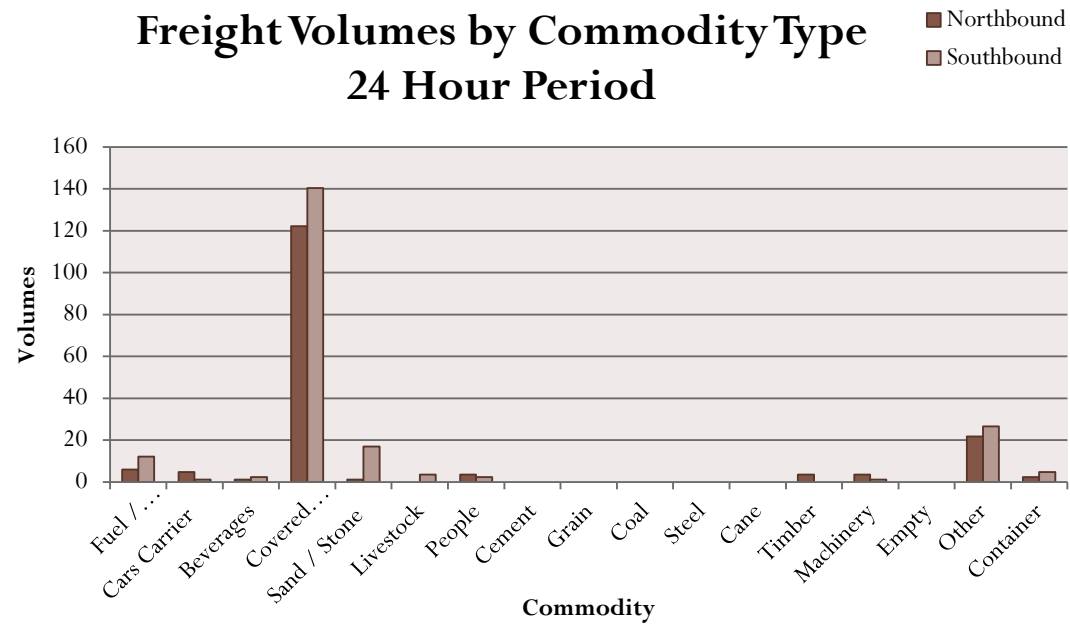
Freight Volumes by Commodity Type 12 Hour Period



Estcourt (R103 Estcourt to Midway)

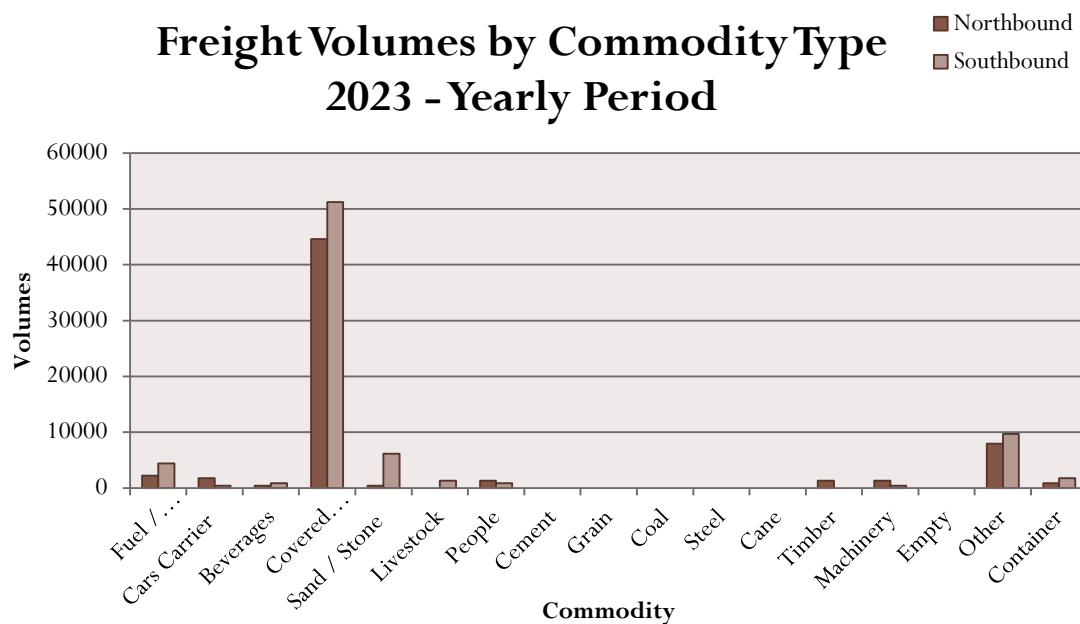
Date: 24-10-2023

Freight Volumes by Commodity Type 24 Hour Period



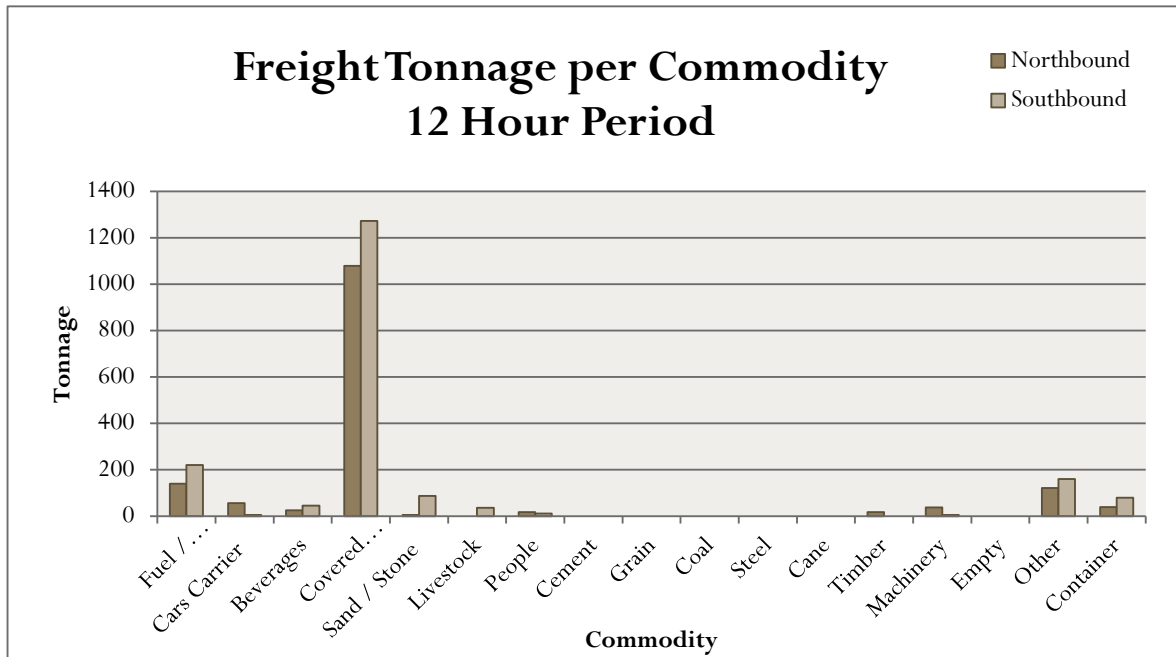
Estcourt (R103 Estcourt to Midway)

Freight Volumes by Commodity Type 2023 - Yearly Period



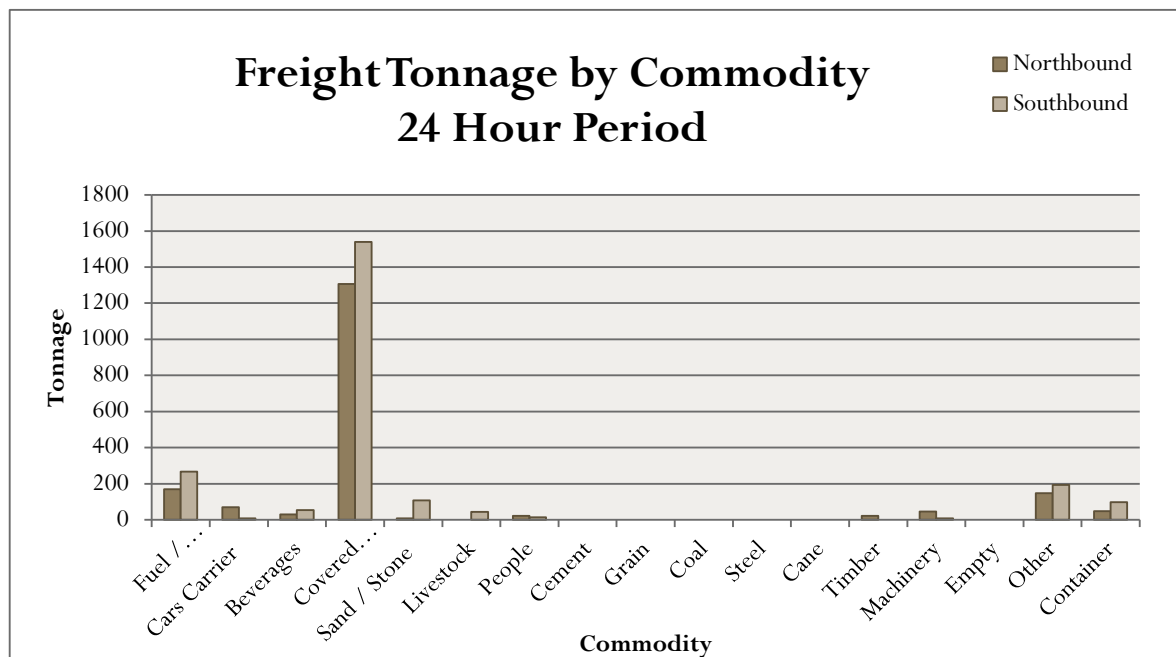
Estcourt (R103 Estcourt to Midway)

Date: 24-10-2023

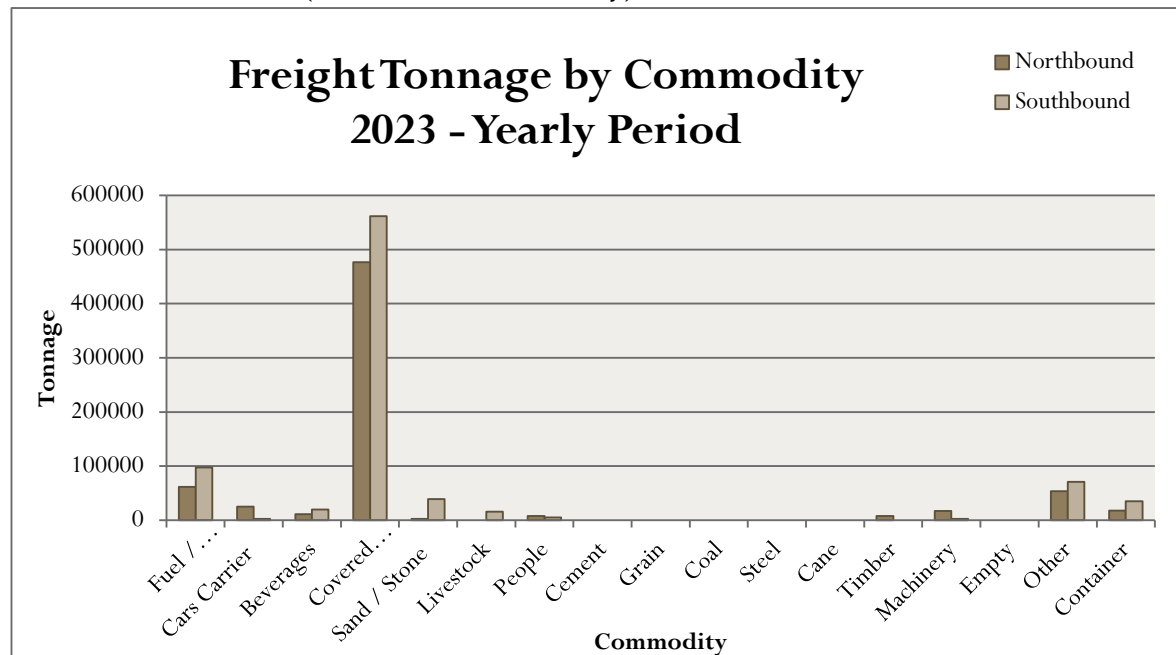


Estcourt (R103 Estcourt to Midway)

Date: 24-10-2023



Estcourt (R103 Estcourt to Midway)



Estcourt (R103 Estcourt to Midway)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)													Date: 24-10-2023
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	30	0	0	60	50	140	Fuel / Chemicals	0	0	0	120	100	220
Cars Carrier	12	10	15	20	0	57	Cars Carrier	6	0	0	0	0	6
Beverages	0	0	0	0	25	25	Beverages	0	0	0	20	25	45
Covered Load / Sail or Tarp	444	0	15	120	500	1079	Covered Load / Sail or Tarp	492	0	30	200	550	1272
Sand / Stone	6	0	0	0	0	6	Sand / Stone	78	10	0	0	0	88
Livestock	0	0	0	0	0	0	Livestock	6	10	0	20	0	36
People	18	0	0	0	0	18	People	12	0	0	0	0	12
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	18	0	0	0	0	18	Timber	0	0	0	0	0	0
Machinery	18	0	0	20	0	38	Machinery	6	0	0	0	0	6
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	102	0	0	20	0	122	Other	120	0	0	40	0	160
Container	0	0	0	40	0	40	Container	0	0	0	80	0	80

Estcourt (R103 Estcourt to Midway)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)													Date: 24-10-2023
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	36	0	0	73	61	169	Fuel / Chemicals	0	0	0	145	121	266
Cars Carrier	15	12	18	24	0	69	Cars Carrier	7	0	0	0	0	7
Beverages	0	0	0	0	30	30	Beverages	0	0	0	24	30	54
Covered Load / Sail or Tarp	537	0	18	145	605	1306	Covered Load / Sail or Tarp	595	0	36	242	666	1539
Sand / Stone	7	0	0	0	0	7	Sand / Stone	94	12	0	0	0	106
Livestock	0	0	0	0	0	0	Livestock	7	12	0	24	0	44
People	22	0	0	0	0	22	People	15	0	0	0	0	15
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	22	0	0	0	0	22	Timber	0	0	0	0	0	0
Machinery	22	0	0	24	0	46	Machinery	7	0	0	0	0	7
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	123	0	0	24	0	148	Other	145	0	0	48	0	194
Container	0	0	0	48	0	48	Container	0	0	0	97	0	97

Estcourt (R103 Estcourt to Midway)													
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	13250	0	0	26499	22083	61831	Fuel / Chemicals	0	0	0	52998	44165	97163
Cars Carrier	5300	4417	6625	8833	0	25174	Cars Carrier	2650	0	0	0	0	2650
Beverages	0	0	0	0	11041	11041	Beverages	0	0	0	8833	11041	19874
Covered Load / Sail or Tarp	196093	0	6625	52998	220825	476540	Covered Load / Sail or Tarp	217292	0	13250	88330	242908	561779
Sand / Stone	2650	0	0	0	0	2650	Sand / Stone	34449	4417	0	0	0	38865
Livestock	0	0	0	0	0	0	Livestock	2650	4417	0	8833	0	15899
People	7950	0	0	0	0	7950	People	5300	0	0	0	0	5300
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	7950	0	0	0	0	7950	Timber	0	0	0	0	0	0
Machinery	7950	0	0	8833	0	16783	Machinery	2650	0	0	0	0	2650
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	45048	0	0	8833	0	53881	Other	52998	0	0	17666	0	70664
Container	0	0	0	17666	0	17666	Container	0	0	0	35332	0	35332

Estcourt (R103 Estcourt to Midway)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 24-10-2023	
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

Estcourt (R103 Estcourt to Midway)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 24-10-2023	
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

Estcourt (R103 Estcourt to Midway)													
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