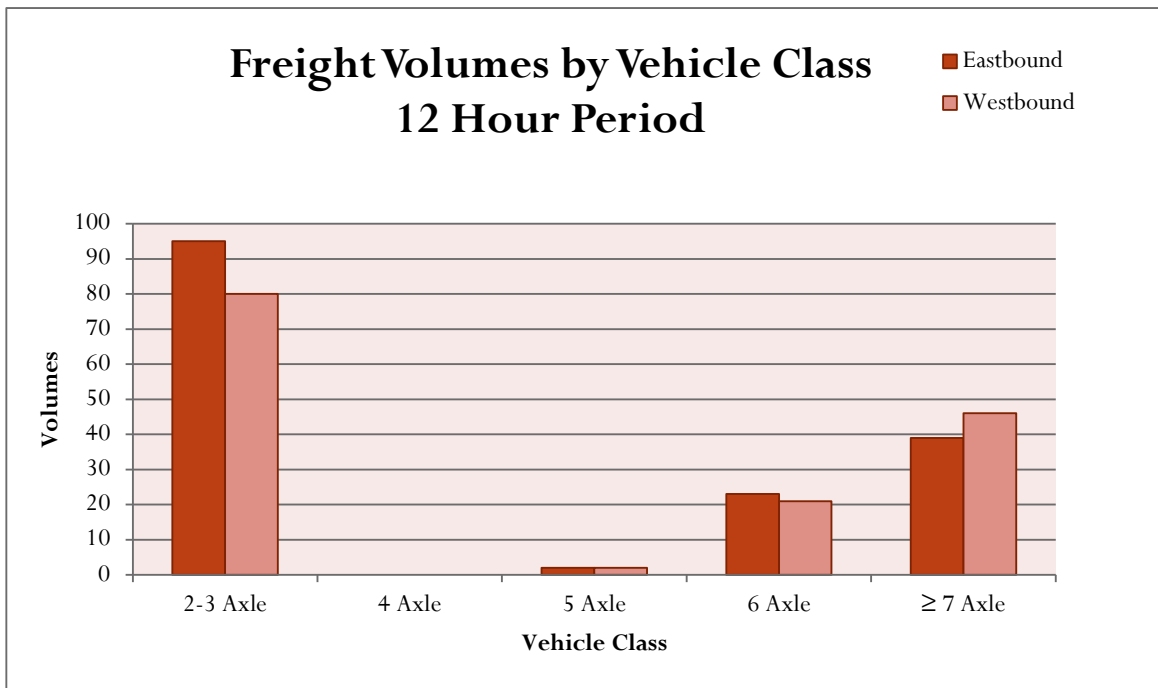


TRAFFIC HIGHLIGHTS OF SITE V8858				
1.1	Site Identifier	V8858		
1.2	Site Name	P23-1 Station 1		
1.3	Site Description	Segment 1		
1.4	Road Description	Route : Road : P23-1 Section : Distance : 0.0km		
1.5	GPS Position	30 02 01.7E -30 07 52.2S		
1.6	Number of Lanes	2		
1.7	Station Type	Secondary		
1.8	Requested Period	2021/09/09 - 2021/09/17		
1.9	Length of record requested (hours)	216		
1.10	Actual First & Last Dates	2021/09/09 - 2021/09/16		
1.11	Actual available good data (hours)	169		
1.12	Percentage good data available for requested period	78.4		
		To P7-4	To Ixopo	Total
2.1a	Total number of vehicles (counted)	10098	10027	20125
2.1b	Total number of vehicles (projected for period)	12887	12796	25683
2.2	Average daily traffic (ADT)	1432	1422	2854
2.3	Average daily truck traffic (ADTT)	170	174	344
2.4	Percentage of trucks	11.9	12.3	12.1
2.5	Truck split % (short:medium:long)	46 : 6 : 48	52 : 5 : 43	48 : 6 : 46
2.6	Percentage of night traffic (20:00 - 06:00)	8.7	6.7	7.7
3.1	Speed limit (km/hr)			120
3.2	Average speed (km/hr)	79.2	88.6	83.9
3.3	Average speed - light vehicles (km/hr)	82.1	90.9	86.5
3.4	Average speed - heavy vehicles (km/hr)	57.9	72.3	65.2
3.5	Average night speed (km/hr)	77.3	85.1	80.7
3.6	15th centile speed (km/hr)	59.7	71.7	63.7
3.7	85th centile speed (km/hr)	99.9	107.9	103.9
3.8	Percentage vehicles in excess of speed limit	2.0	4.9	3.5
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)	2021/09/10 17:00:00		332
4.3	Highest volume in the North (vehs/hr)	2021/09/10 17:00:00		186
4.4	Highest volume in the South (vehs/hr)	2021/09/13 10:00:00		164
4.5	Highest volume in a lane (vehicles/hr)	2021/09/10 17:00:00		186
4.6	15th highest volume on the road (vehicles/hr)	2021/09/14 16:00:00		255
4.7	15th highest volume in the North direction (vehs/hr)	2021/09/13 15:00:00		136
4.8	15th highest volume in the South direction (vehs/hr)	2021/09/10 10:00:00		138
4.9	30th highest volume on the road (vehicles/hr)	2021/09/13 09:00:00		226
4.10	30th highest volume in the North direction (vehs/hr)	2021/09/11 14:00:00		117
4.11	30th highest volume in the South direction (vehs/hr)	2021/09/13 16:00:00		115
5.1	Percentage of vehicles less than 2s behind vehicle ahead			
6.1	Total number of heavy vehicles (projected for period)	1528	1568	3096
6.2	Estimated average number of axles per truck	4.6	4.3	4.4
6.3	Estimated truck mass (Ton/truck)	25.9	24.6	25.2
6.4	Estimated average E80/truck	1.4	1.4	1.4
6.5	Estimated daily E80 on the road	478		
6.6	Estimated daily E80 in the North direction	242		
6.7	Estimated daily E80 in the South direction	236		
6.8	Estimated daily E80 in the worst North lane	242		
6.9	Estimated daily E80 in the worst South lane	236		
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)		

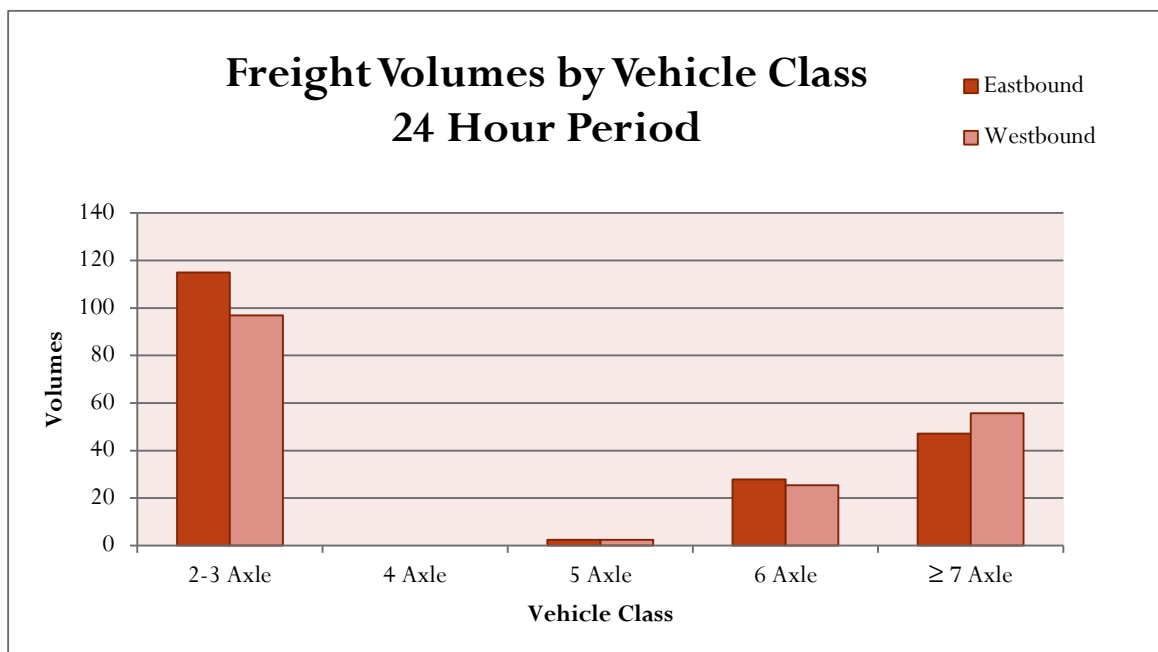
Donnybrook (R34 Ixopo to Donnybrook)

Date: 29-08-2023

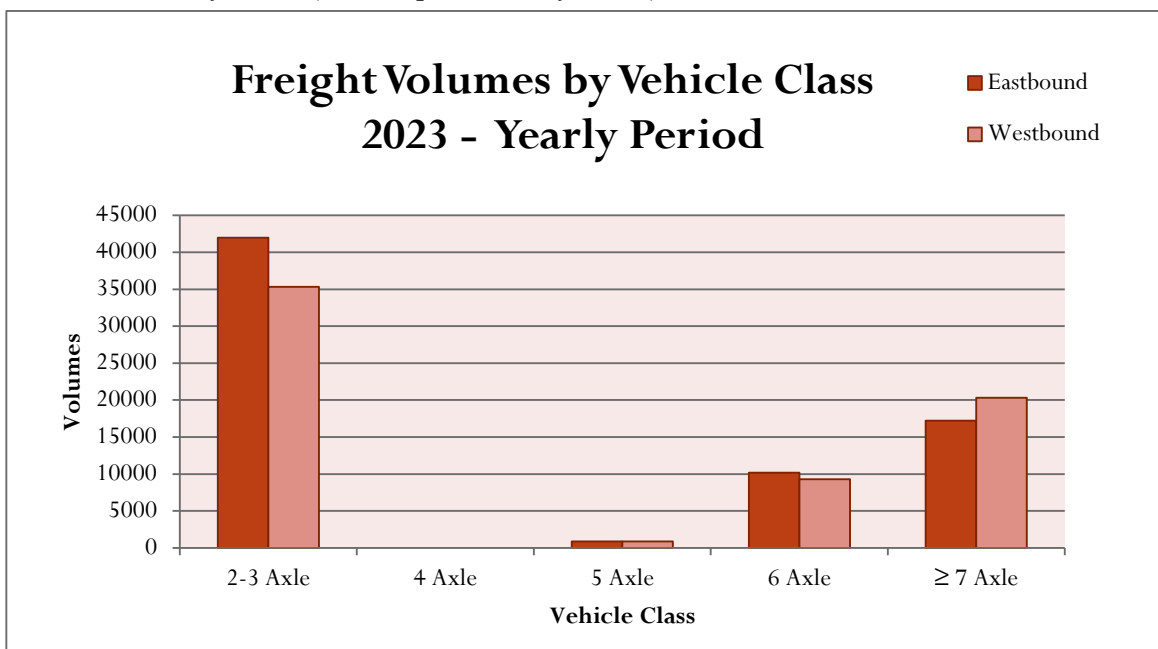


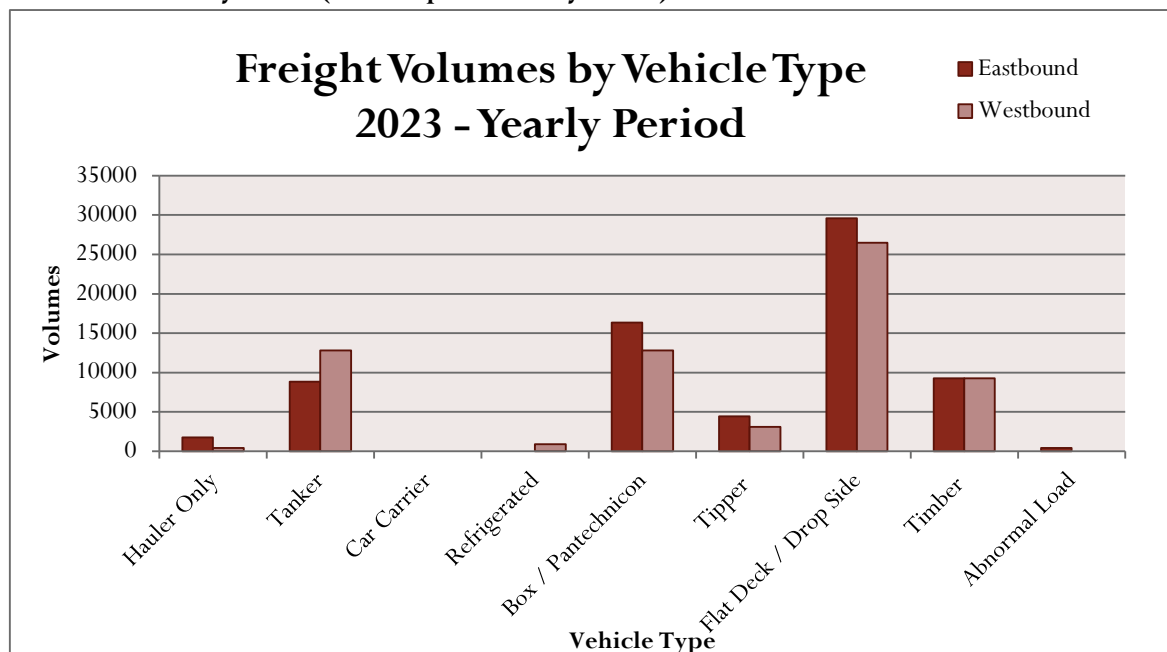
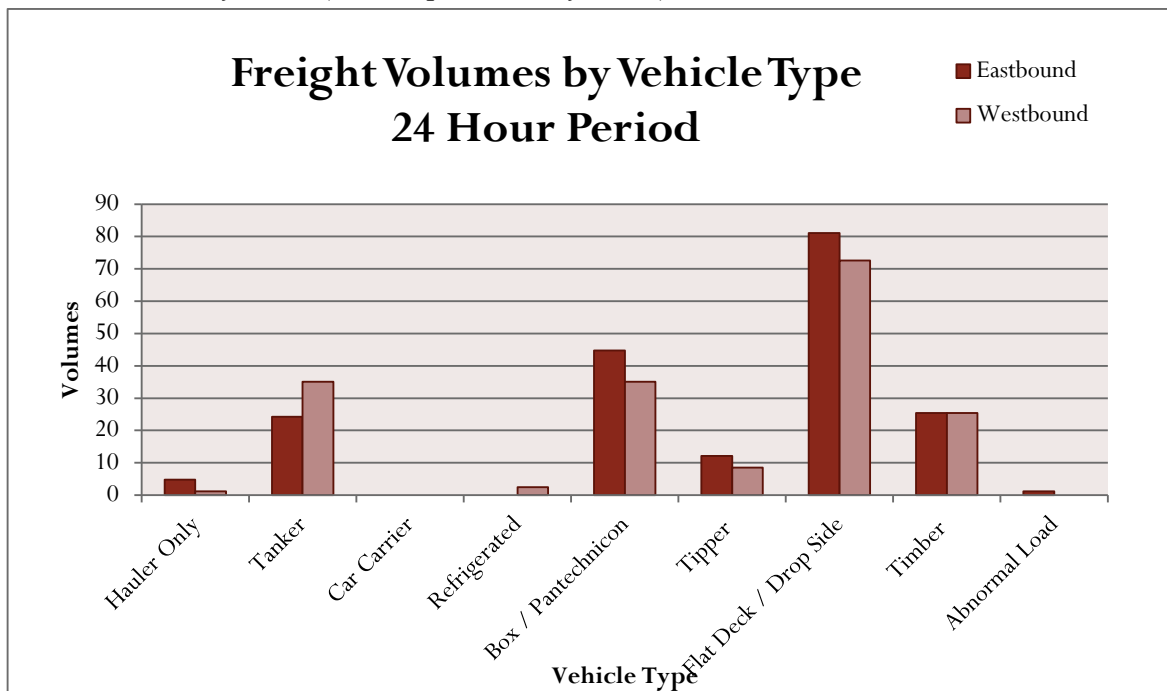
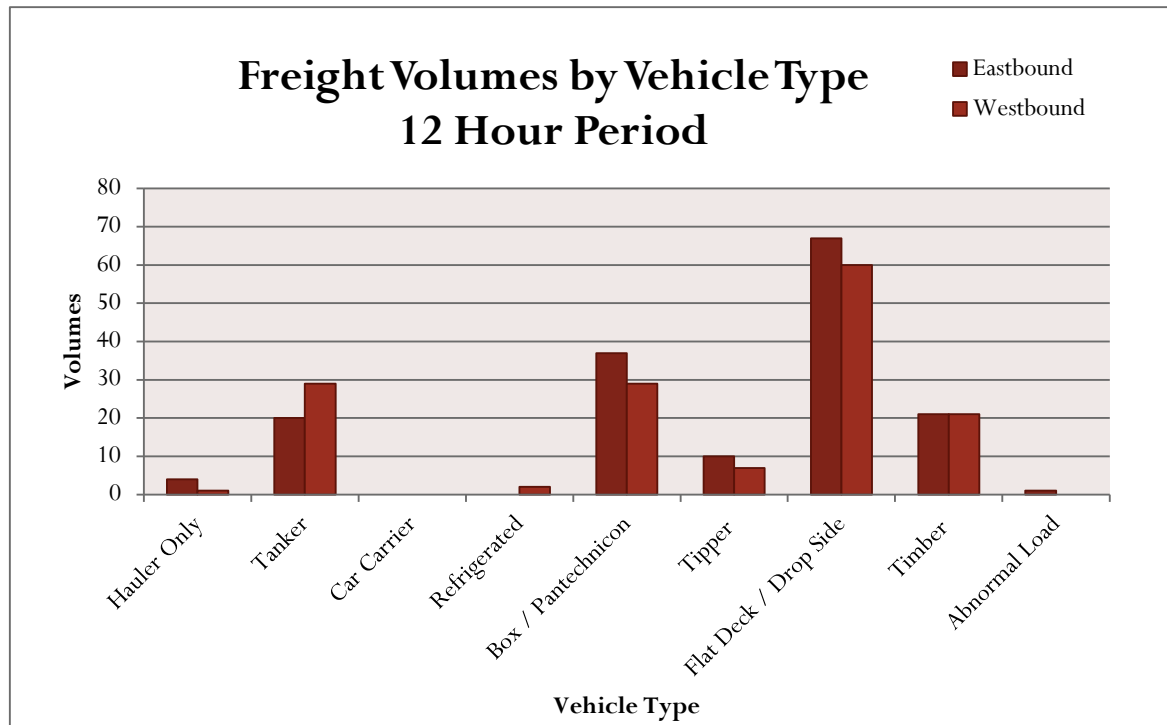
Donnybrook (R34 Ixopo to Donnybrook)

Date: 29-08-2023

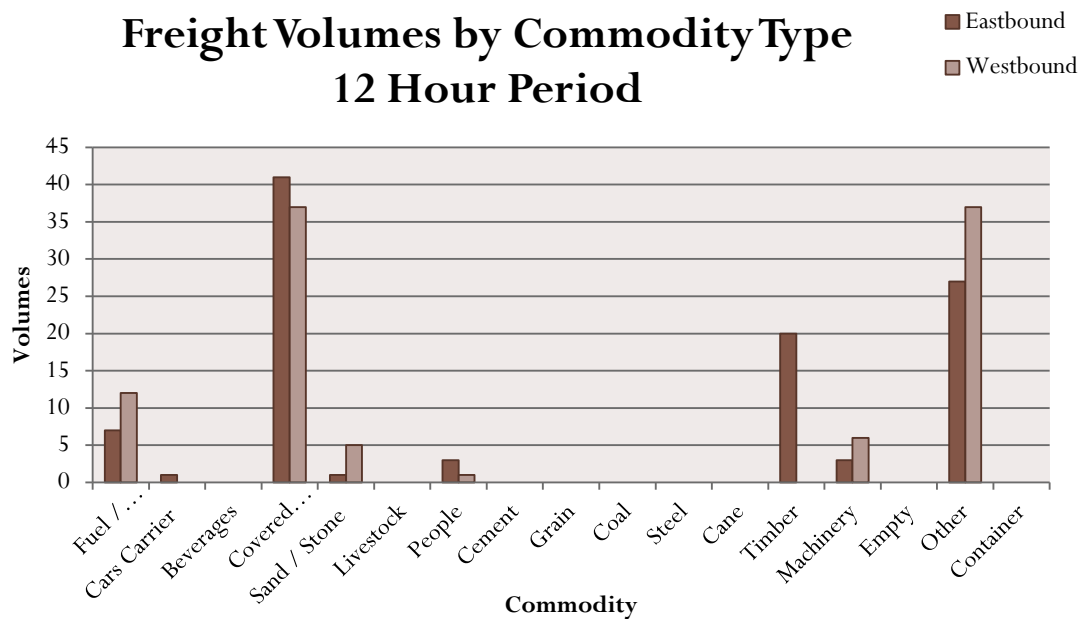


Donnybrook (R34 Ixopo to Donnybrook)

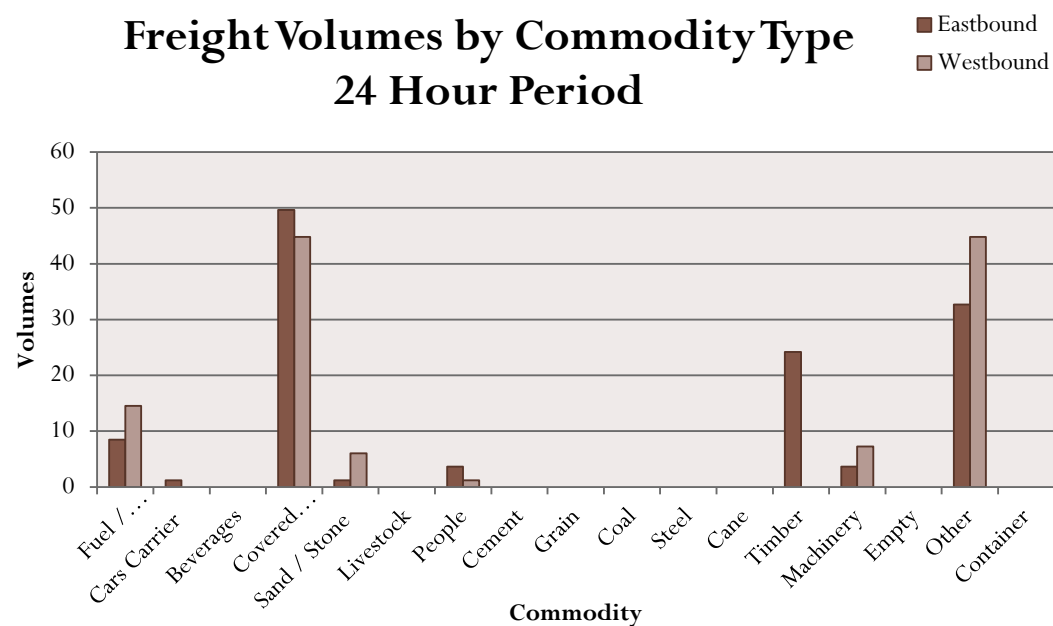




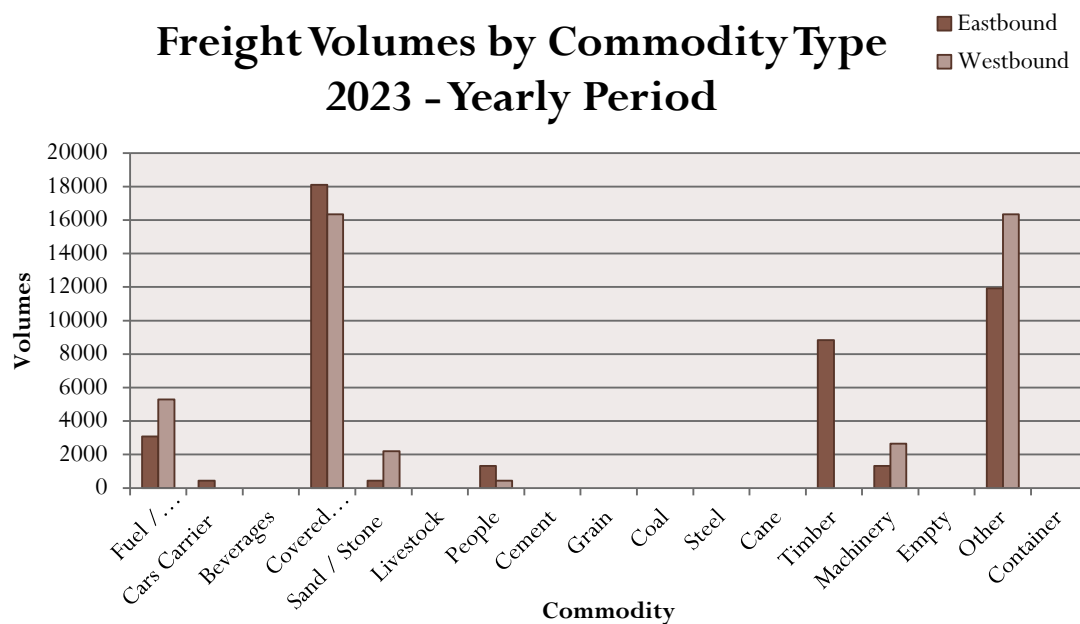
### Freight Volumes by Commodity Type 12 Hour Period



### Freight Volumes by Commodity Type 24 Hour Period

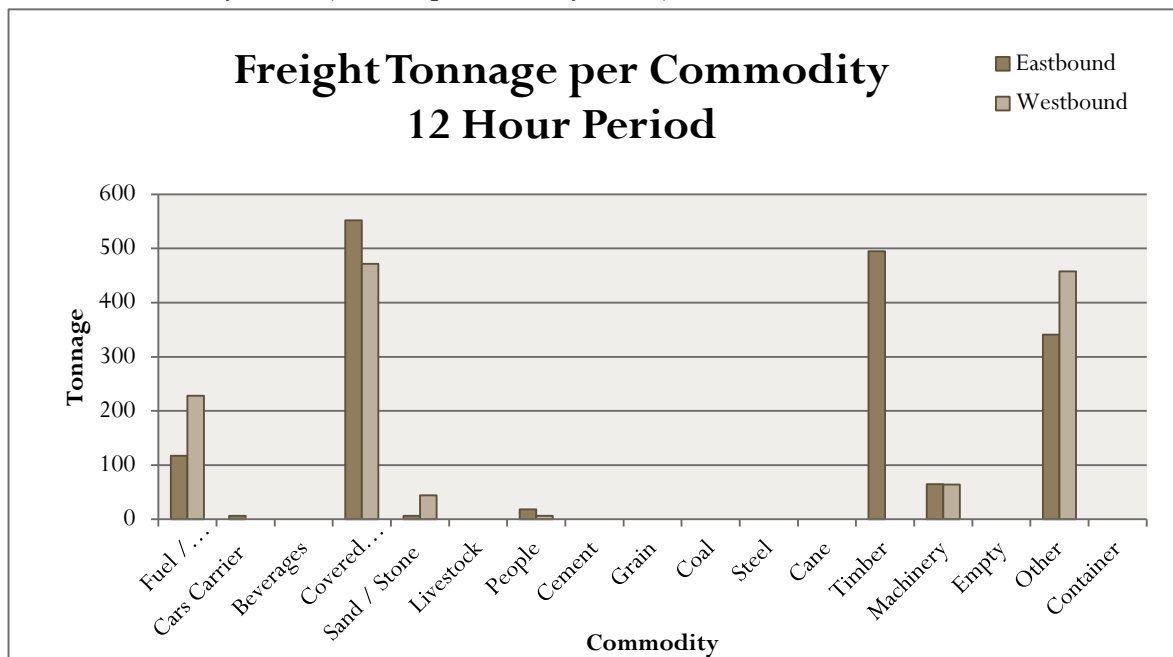


### Freight Volumes by Commodity Type 2023 - Yearly Period



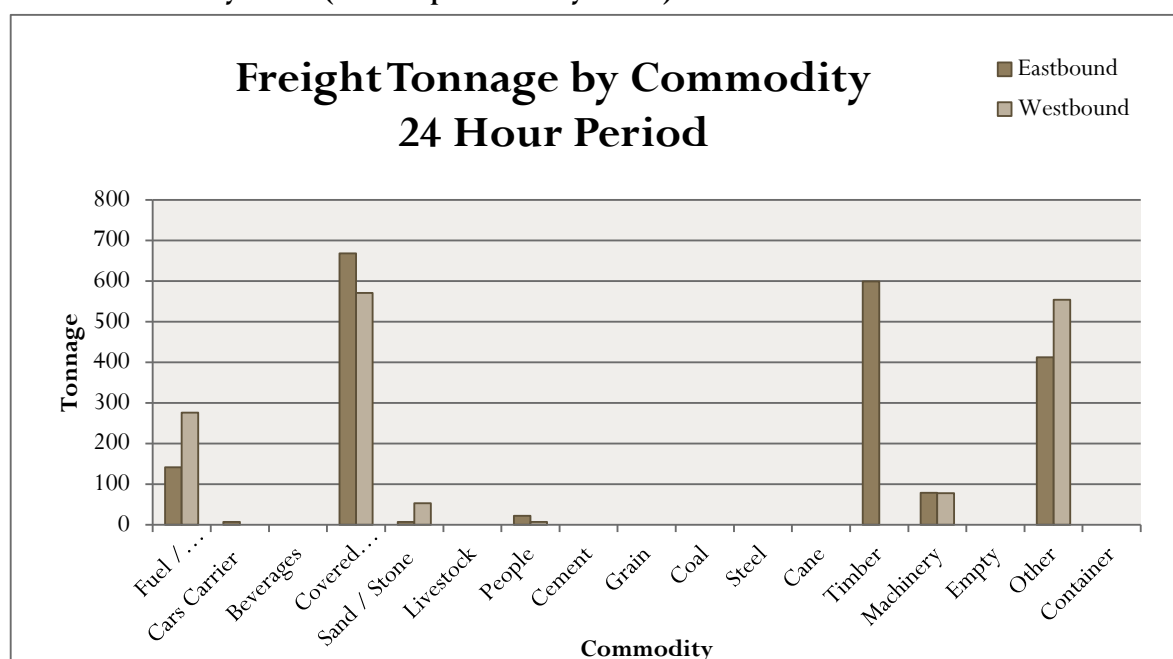
Donnybrook (R34 Ixopo to Donnybrook)

Date: 29-08-2023

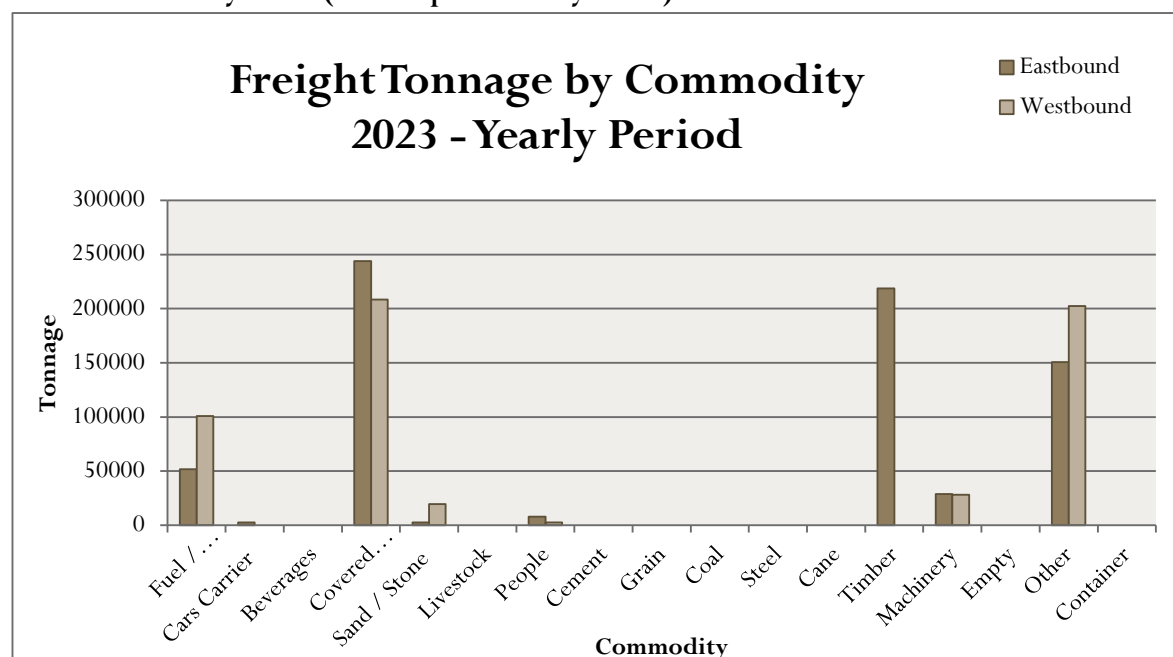


Donnybrook (R34 Ixopo to Donnybrook)

Date: 29-08-2023



Donnybrook (R34 Ixopo to Donnybrook)



Donnybrook (R34 Ixopo to Donnybrook)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 29-08-2023	
Eastbound							Westbound						
	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	12	0	0	80	25	117	Fuel / Chemicals	18	0	0	60	150	228
Cars Carrier	6	0	0	0	0	6	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	132	0	15	180	225	552	Covered Load / Sail or Tarp	132	0	0	140	200	472
Sand / Stone	6	0	0	0	0	6	Sand / Stone	24	0	0	20	0	44
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	18	0	0	0	0	18	People	6	0	0	0	0	6
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	0	0	0	20	475	495	Timber	0	0	0	0	0	0
Machinery	0	0	0	40	25	65	Machinery	24	0	0	40	0	64
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	96	0	15	80	150	341	Other	138	0	15	80	225	458
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Donnybrook (R34 Ixopo to Donnybrook)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 29-08-2023	
Eastbound							Westbound						
	3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total		3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total
Fuel / Chemicals	15	0	0	97	30	142	Fuel / Chemicals	22	0	0	73	182	276
Cars Carrier	7	0	0	0	0	7	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	160	0	18	218	272	668	Covered Load / Sail or Tarp	160	0	0	169	242	571
Sand / Stone	7	0	0	0	0	7	Sand / Stone	29	0	0	24	0	53
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	22	0	0	0	0	22	People	7	0	0	0	0	7
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	0	0	0	24	575	599	Timber	0	0	0	0	0	0
Machinery	0	0	0	48	30	79	Machinery	29	0	0	48	0	77
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	116	0	18	97	182	413	Other	167	0	18	97	272	554
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Donnybrook (R34 Ixopo to Donnybrook)													
Freight Tonnage by Commodity by Vehicle Class (Yearly Period)													
Eastbound							Westbound						
	3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total		3 Axle	4 Axle	5 Axle	6 Axle	≥ 7 Axle	Total
Fuel / Chemicals	5300	0	0	35332	11041	51673	Fuel / Chemicals	7950	0	0	26499	66248	100696
Cars Carrier	2650	0	0	0	0	2650	Cars Carrier	0	0	0	0	0	0
Beverages	0	0	0	0	0	0	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	58298	0	6625	79497	99371	243791	Covered Load / Sail or Tarp	58298	0	0	61831	88330	208459
Sand / Stone	2650	0	0	0	0	2650	Sand / Stone	10600	0	0	8833	0	19433
Livestock	0	0	0	0	0	0	Livestock	0	0	0	0	0	0
People	7950	0	0	0	0	7950	People	2650	0	0	0	0	2650
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	0	0	0	8833	209784	218617	Timber	0	0	0	0	0	0
Machinery	0	0	0	17666	11041	28707	Machinery	10600	0	0	17666	0	28266
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	42398	0	6625	35332	66248	150603	Other	60948	0	6625	35332	99371	202276
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Donnybrook (R34 Ixopo to Donnybrook)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 29-08-2023	
Eastbound							Westbound						
	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

Donnybrook (R34 Ixopo to Donnybrook)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)											Date: 29-08-2023		
Eastbound							Westbound						
	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

Donnybrook (R34 Ixopo to Donnybrook)													
Twenty Foot Equivalent Unit (TEU) (Yearly Period)													
Eastbound							Westbound						
	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