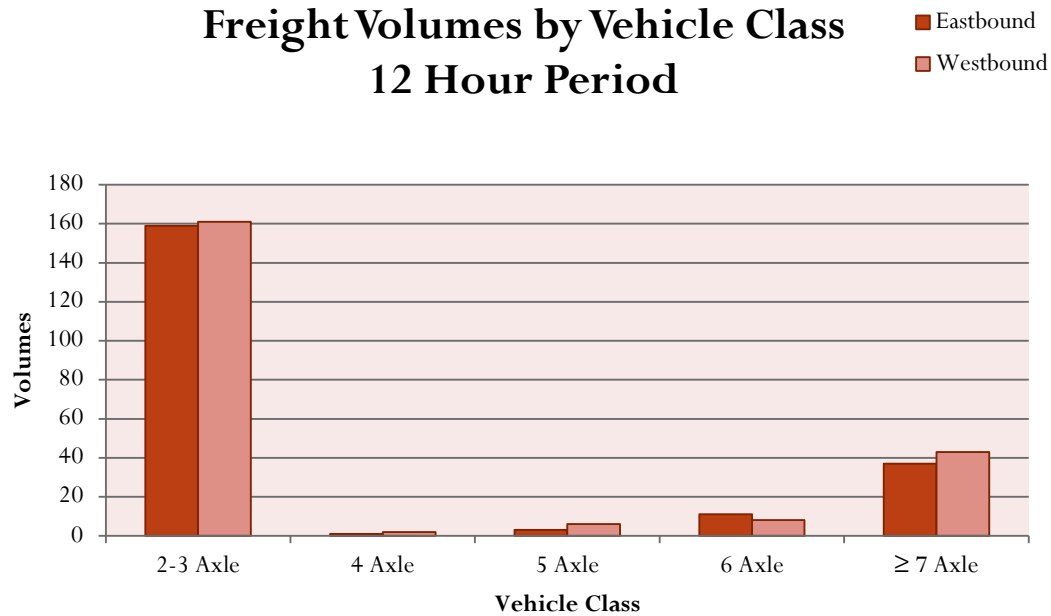
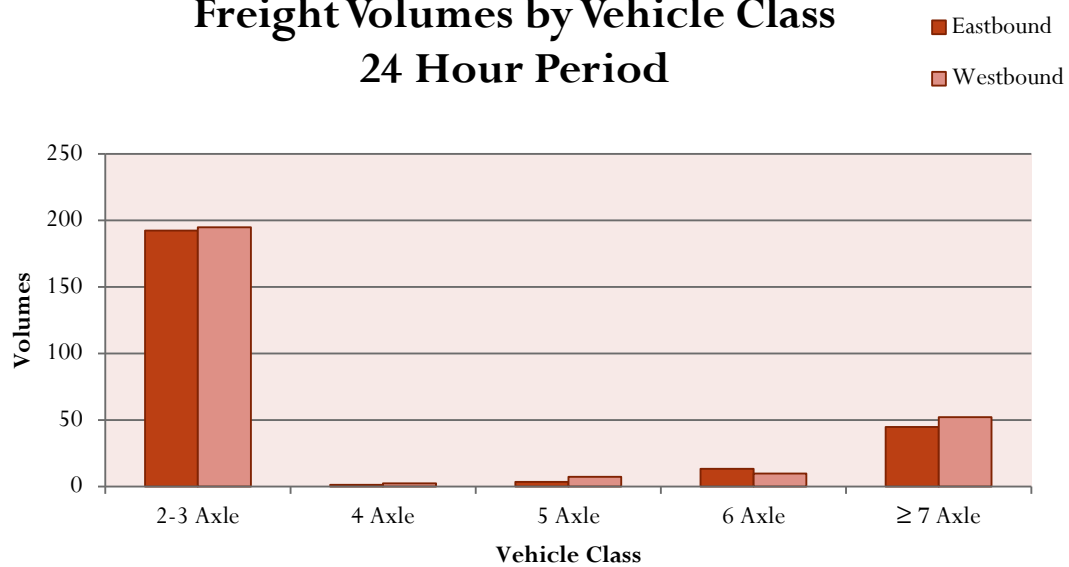


TRAFFIC HIGHLIGHTS OF SITE V12583				
1.1	Site Identifier	V12583		
1.2	Site Name	P47-1 Station 2		
1.3	Site Description	Segment 2		
1.4	Road Description	Route : Road : P47-1 Section : Distance : 0.0km		
1.5	GPS Position	30 49 34.7E -27 49 41.8S		
1.6	Number of Lanes	2		
1.7	Station Type	Secondary		
1.8	Requested Period	2021/04/06 - 2021/04/13		
1.9	Length of record requested (hours)	192		
1.10	Actual First & Last Dates	2021/04/06 - 2021/04/08		
1.11	Actual available good data (hours)	55		
1.12	Percentage good data available for requested period	28.9		
		To Vryheid	To Gelukstadt	Total
2.1a	Total number of vehicles (counted)	8370	7895	16265
2.1b	Total number of vehicles (projected for period)	28966	27322	56288
2.2	Average daily traffic (ADT)	3621	3415	7036
2.3	Average daily truck traffic (ADTT)	416	405	821
2.4	Percentage of trucks	11.5	11.9	11.7
2.5	Truck split % (short:medium:long)	39 : 32 : 29	41 : 32 : 27	40 : 32 : 28
2.6	Percentage of night traffic (20:00 - 06:00)	8.0	7.3	7.6
3.1	Speed limit (km/hr)	60		
3.2	Average speed (km/hr)	87.0	86.8	86.9
3.3	Average speed - light vehicles (km/hr)	89.0	87.9	88.5
3.4	Average speed - heavy vehicles (km/hr)	72.1	78.3	75.1
3.5	Average night speed (km/hr)	86.2	90.2	88.0
3.6	15th centile speed (km/hr)	71.7	71.6	71.6
3.7	85th centile speed (km/hr)	106.0	101.9	103.9
3.8	Percentage vehicles in excess of speed limit	94.0	97.5	95.7
4.1	Percentage vehicles in flows over 600 vehicles/hr	0.0	0.0	3.8
4.2	Highest volume on the road (vehicles/hr)	2021/04/06 18:00:00		623
4.3	Highest volume in the North (vehs/hr)	2021/04/06 10:00:00		340
4.4	Highest volume in the South (vehs/hr)	2021/04/06 18:00:00		441
4.5	Highest volume in a lane (vehicles/hr)	2021/04/06 18:00:00		441
4.6	15th highest volume on the road (vehicles/hr)	2021/04/08 15:00:00		461
4.7	15th highest volume in the North direction (vehs/hr)	2021/04/06 17:00:00		226
4.8	15th highest volume in the South direction (vehs/hr)	2021/04/06 13:00:00		201
4.9	30th highest volume on the road (vehicles/hr)	2021/04/07 09:00:00		359
4.10	30th highest volume in the North direction (vehs/hr)	2021/04/07 13:00:00		182
4.11	30th highest volume in the South direction (vehs/hr)	2021/04/07 08:00:00		148
5.1	Percentage of vehicles less than 2s behind vehicle ahead			
6.1	Total number of heavy vehicles (projected for period)	3329	3239	6568
6.2	Estimated average number of axles per truck	4.4	4.3	4.4
6.3	Estimated truck mass (Ton/truck)	25.8	25.2	25.5
6.4	Estimated average E80/truck	1.6	1.6	1.6
6.5	Estimated daily E80 on the road	1332		
6.6	Estimated daily E80 in the North direction	682		
6.7	Estimated daily E80 in the South direction	650		
6.8	Estimated daily E80 in the worst North lane	682		
6.9	Estimated daily E80 in the worst South lane	650		
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)		

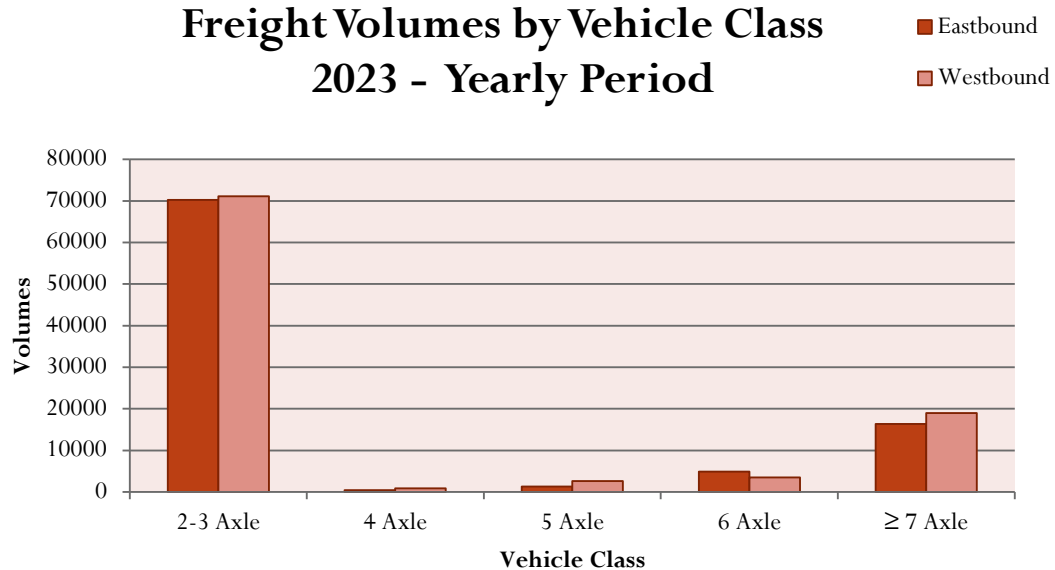
### Freight Volumes by Vehicle Class 12 Hour Period



### Freight Volumes by Vehicle Class 24 Hour Period

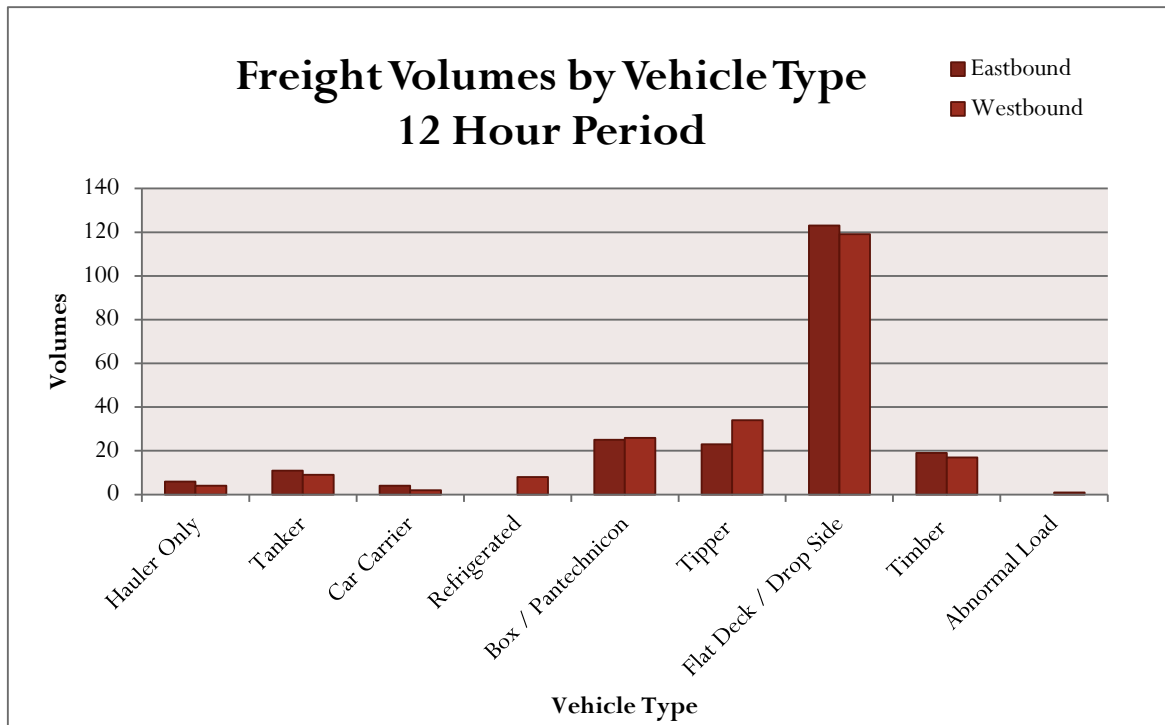


### Freight Volumes by Vehicle Class 2023 - Yearly Period



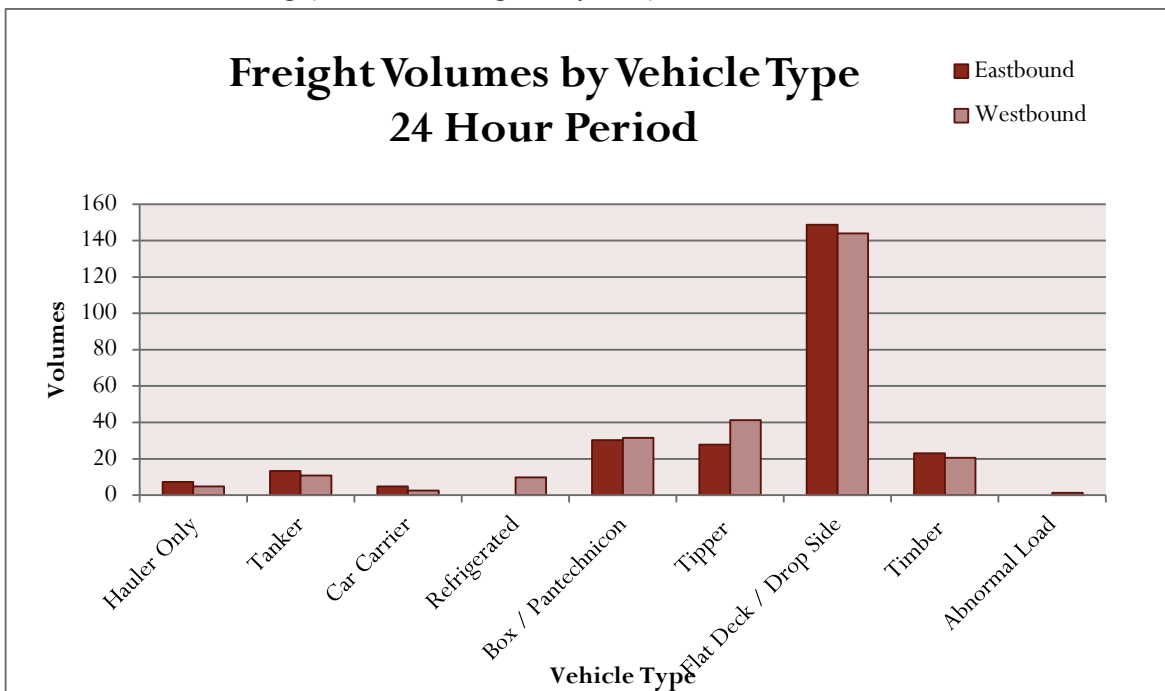
Louwsburg (R69 Louwsburg to Vryheid)

Date: 04-10-2023

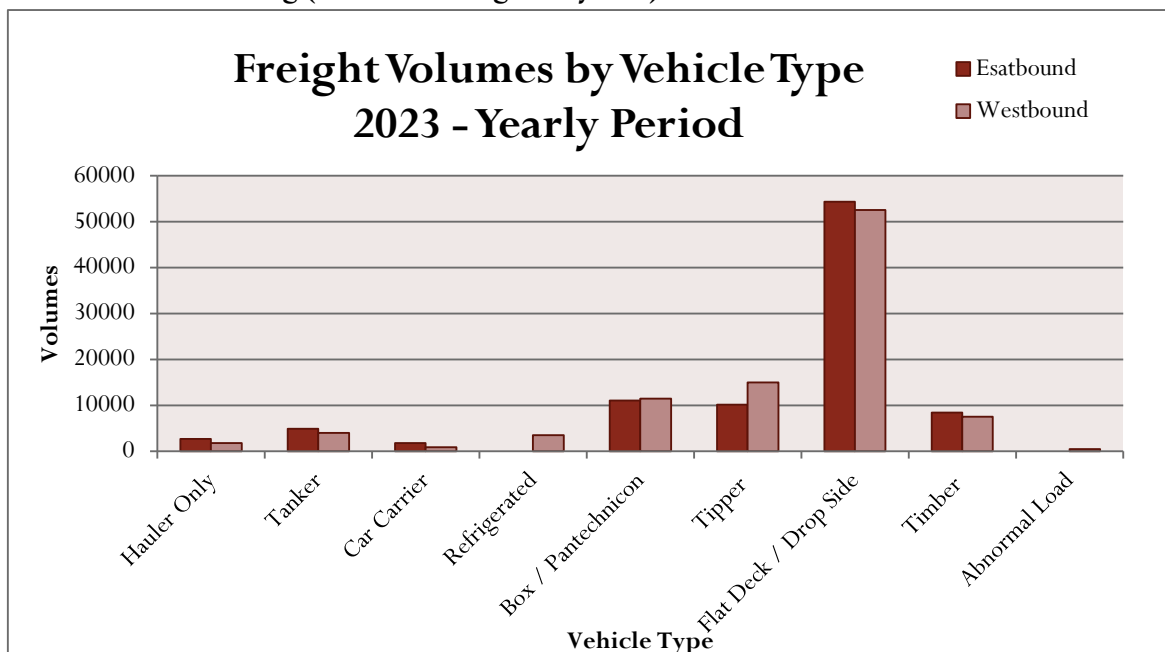


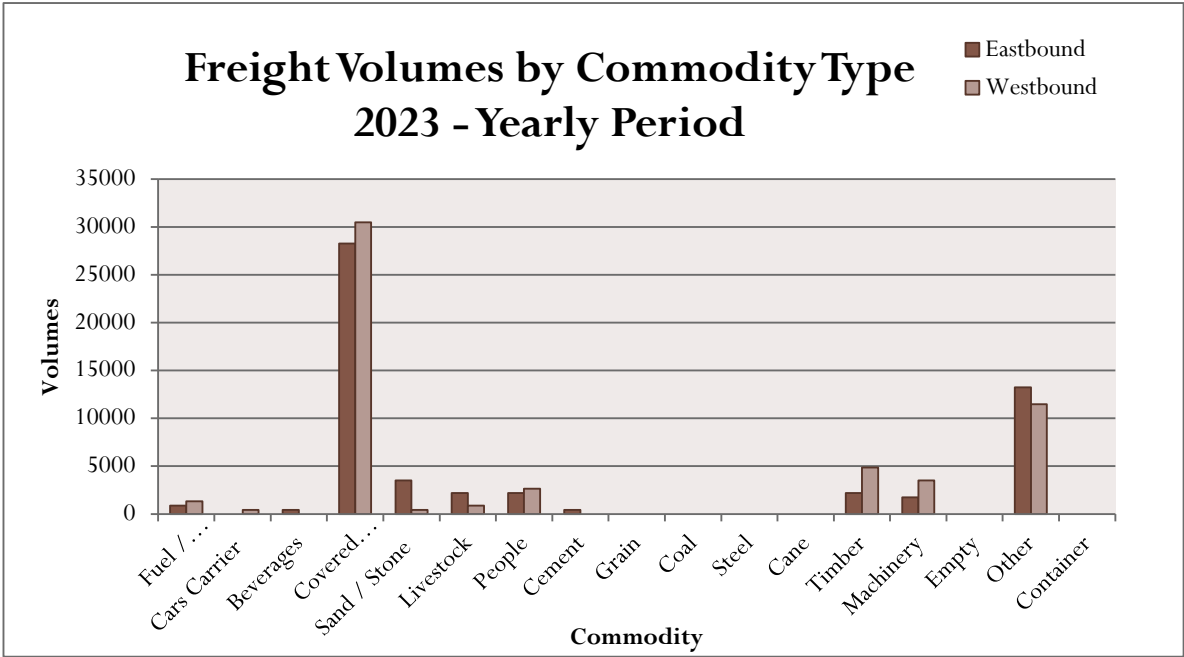
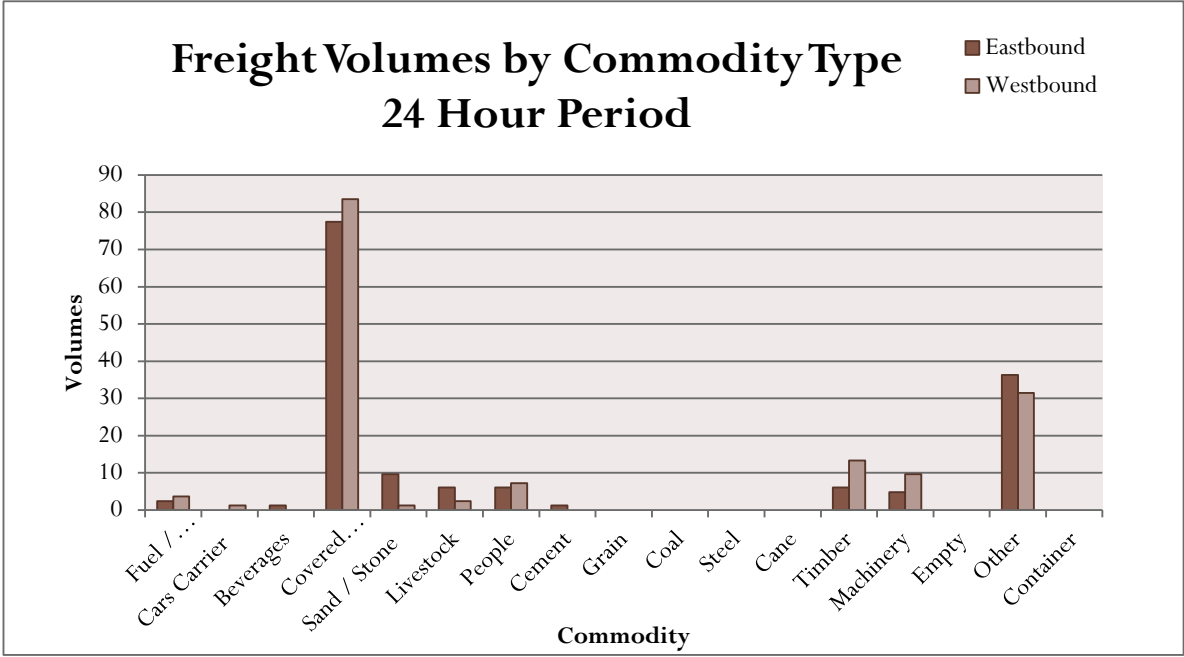
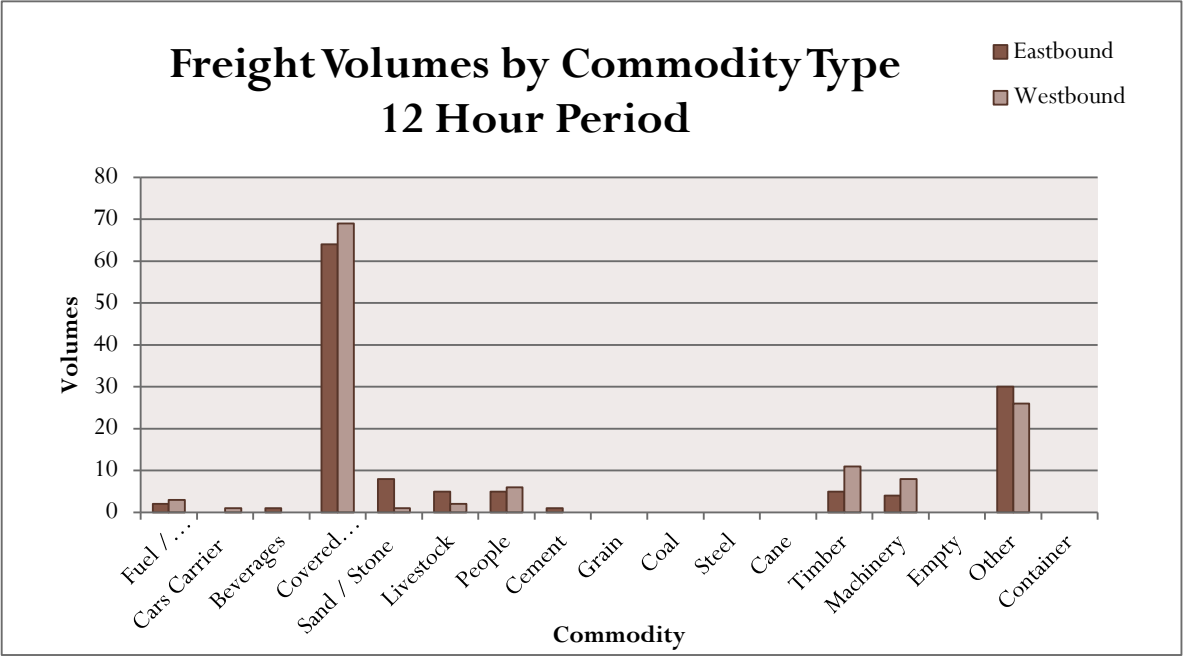
Louwsburg (R69 Louwsburg to Vryheid)

Date: 04-10-2023



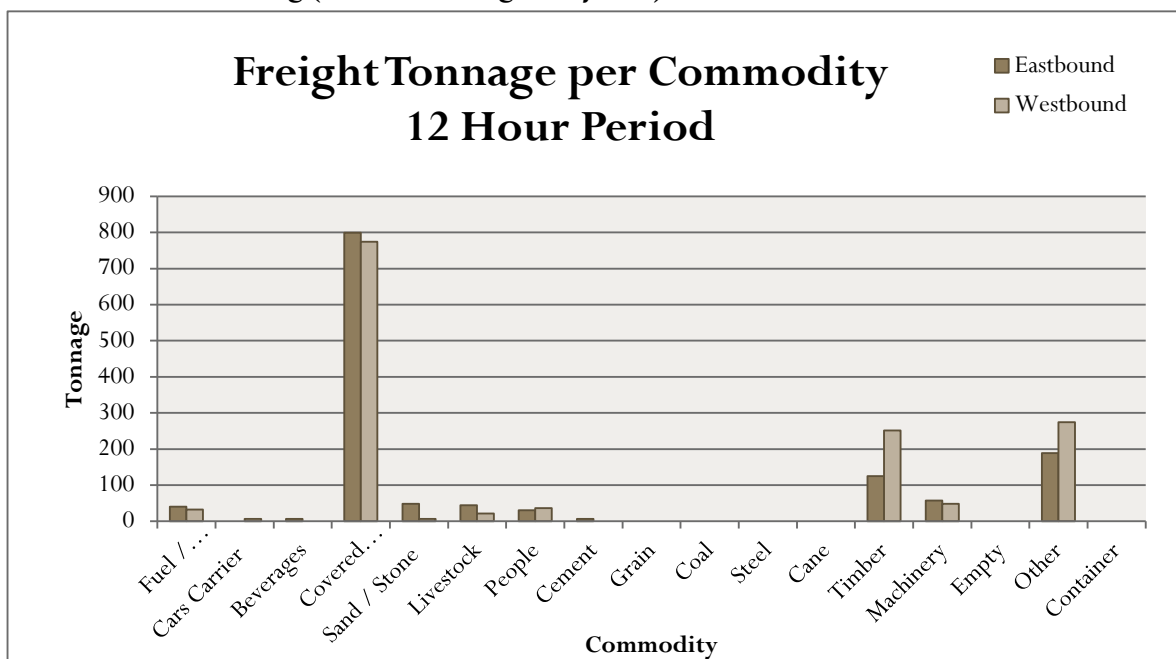
Louwsburg (R69 Louwsburg to Vryheid)





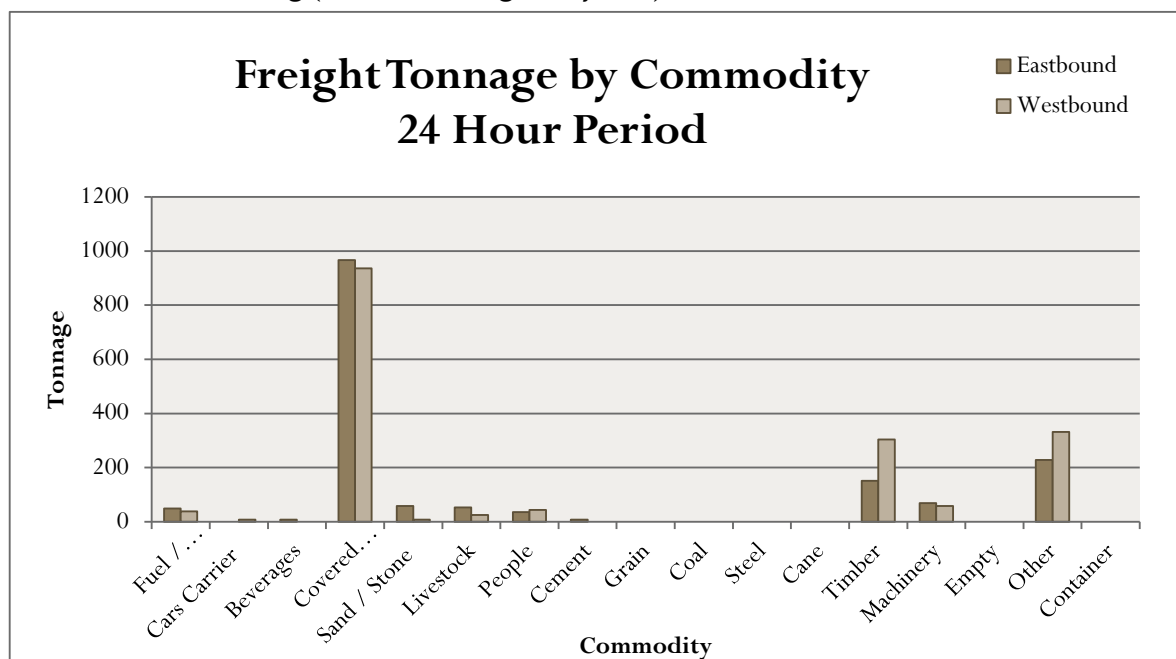
Louwsburg (R69 Louwsburg to Vryheid)

Date: 04-10-2023

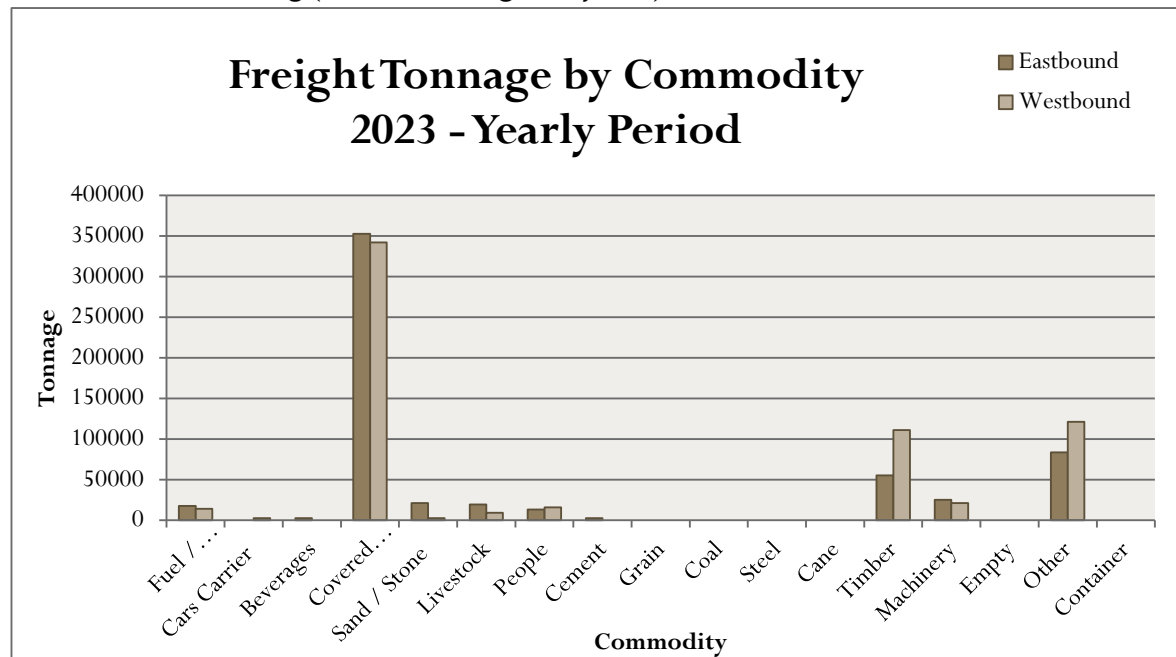


Louwsburg (R69 Louwsburg to Vryheid)

Date: 04-10-2023



Louwsburg (R69 Louwsburg to Vryheid)



Louwsburg (R69 Louwsburg to Vryheid)													
Freight Tonnage by Commodity by Vehicle Class (12 Hours)												Date: 04-10-2023	
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	0	0	0	40	0	40	Fuel / Chemicals	12	0	0	20	0	32
Cars Carrier	0	0	0	0	0	0	Cars Carrier	6	0	0	0	0	6
Beverages	6	0	0	0	0	6	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	234	10	30	100	425	799	Covered Load / Sail or Tarp	294	0	15	40	425	774
Sand / Stone	48	0	0	0	0	48	Sand / Stone	6	0	0	0	0	6
Livestock	24	0	0	20	0	44	Livestock	6	0	15	0	0	21
People	30	0	0	0	0	30	People	36	0	0	0	0	36
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	0	0	0	0	125	125	Timber	6	0	0	20	225	251
Machinery	12	0	0	20	25	57	Machinery	48	0	0	0	0	48
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	174	0	15	0	0	189	Other	114	10	0	0	150	274
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Louwsburg (R69 Louwsburg to Vryheid)													
Freight Tonnage by Commodity by Vehicle Class (24 Hours)												Date: 04-10-2023	
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	0	0	0	48	0	48	Fuel / Chemicals	15	0	0	24	0	39
Cars Carrier	0	0	0	0	0	0	Cars Carrier	7	0	0	0	0	7
Beverages	7	0	0	0	0	7	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	283	12	36	121	514	967	Covered Load / Sail or Tarp	356	0	18	48	514	937
Sand / Stone	58	0	0	0	0	58	Sand / Stone	7	0	0	0	0	7
Livestock	29	0	0	24	0	53	Livestock	7	0	18	0	0	25
People	36	0	0	0	0	36	People	44	0	0	0	0	44
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	0	0	0	0	151	151	Timber	7	0	0	24	272	304
Machinery	15	0	0	24	30	69	Machinery	58	0	0	0	0	58
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	211	0	18	0	0	229	Other	138	12	0	0	182	332
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Louwsburg (R69 Louwsburg to Vryheid)													
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	0	0	0	17666	0	17666	Fuel / Chemicals	5300	0	0	8833	0	14133
Cars Carrier	0	0	0	0	0	0	Cars Carrier	2650	0	0	0	0	2650
Beverages	2650	0	0	0	0	2650	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	103346	4417	13250	44165	187701	352878	Covered Load / Sail or Tarp	129845	0	6625	17666	187701	341837
Sand / Stone	21199	0	0	0	0	21199	Sand / Stone	2650	0	0	0	0	2650
Livestock	10600	0	0	8833	0	19433	Livestock	2650	0	6625	0	0	9275
People	13250	0	0	0	0	13250	People	15899	0	0	0	0	15899
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	0	0	0	0	55206	55206	Timber	2650	0	0	8833	99371	110854
Machinery	5300	0	0	8833	11041	25174	Machinery	21199	0	0	0	0	21199
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	76847	0	6625	0	0	83472	Other	50348	4417	0	0	66248	121012
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Louwsburg (R69 Louwsburg to Vryheid)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)												Date: 04-10-2023	
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						0
6 Axle						0	6 Axle						0
≥ 7 Axle						0	≥ 7 Axle						0
TOTAL						0	TOTAL						0

Louwsburg (R69 Louwsburg to Vryheid)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)												Date: 04-10-2023	
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	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

Louwsburg (R69 Louwsburg to Vryheid) 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