

TRAFFIC HIGHLIGHTS OF SITE 3601				
1.1	Site Identifier	3601		
1.2	Site Name	Utrecht Perm		
1.3	Site Description	2.3km from N11 junction		
1.4	Road Description	Route : R34 Road : MR37 Section : Distance : 2.3km		
1.5	GPS Position	29 59 08.0E -27 38 52.0S		
1.6	Number of Lanes	2		
1.7	Station Type	Permanent		
1.8	Requested Period	2023/01/01 - 2023/12/31		
1.9	Length of record requested (hours)	8760		
1.10	Actual First & Last Dates	2023/12/01 - 2023/12/21		
1.11	Actual available good data (hours)	496		
1.12	Percentage good data available for requested period	5.7		
		To Utrecht	To New Castle	Total
2.1a	Total number of vehicles (counted)	40018	34295	74313
2.1b	Total number of vehicles (projected for period)	706770	605694	1312463
2.2	Average daily traffic (ADT)	1936	1659	3596
2.3	Average daily truck traffic (ADTT)	347	377	724
2.4	Percentage of trucks	17.9	22.7	20.1
2.5	Truck split % (short:medium:long)	26 : 10 : 64	22 : 9 : 69	23 : 10 : 67
2.6	Percentage of night traffic (20:00 - 06:00)	17.8	14.1	16.1
3.1	Speed limit (km/hr)	120		
3.2	Average speed (km/hr)	84.3	81.9	83.2
3.3	Average speed - light vehicles (km/hr)	86.7	85.3	86.1
3.4	Average speed - heavy vehicles (km/hr)	73.2	70.2	71.6
3.5	Average night speed (km/hr)	75.5	72.9	74.4
3.6	15th centile speed (km/hr)	67.9	65.9	66.9
3.7	85th centile speed (km/hr)	102.0	99.0	100.0
3.8	Percentage vehicles in excess of speed limit	1.9	1.2	1.6
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)	2023/12/15 13:00:00 432		
4.3	Highest volume in the North (vehs/hr)	2023/12/15 13:00:00 300		
4.4	Highest volume in the South (vehs/hr)	2023/12/03 14:00:00 198		
4.5	Highest volume in a lane (vehicles/hr)	2023/12/15 13:00:00 300		
4.6	15th highest volume on the road (vehicles/hr)	2023/12/18 16:00:00 336		
4.7	15th highest volume in the North direction (vehs/hr)	2023/12/21 12:00:00 207		
4.8	15th highest volume in the South direction (vehs/hr)	2023/12/19 14:00:00 150		
4.9	30th highest volume on the road (vehicles/hr)	2023/12/18 14:00:00 307		
4.10	30th highest volume in the North direction (vehs/hr)	2023/12/14 15:00:00 176		
4.11	30th highest volume in the South direction (vehs/hr)	2023/12/19 18:00:00 140		
5.1	Percentage of vehicles less than 2s behind vehicle ahead	11.7	9.0	10.4
6.1	Total number of heavy vehicles (projected for period)	126578	137511	264089
6.2	Estimated average number of axles per truck	5.2	5.4	5.3
6.3	Estimated truck mass (Ton/truck)	30.8	29.0	29.9
6.4	Estimated average E80/truck	3.3	2.5	2.9
6.5	Estimated daily E80 on the road	2121		
6.6	Estimated daily E80 in the North direction	1156		
6.7	Estimated daily E80 in the South direction	960		
6.8	Actual average daily E80 in the worst North lane	1088		
6.9	Actual average daily E80 in the worst South lane	888		
6.10	Actual average Axles/Truck (Short:Medium:Long)	(2.2 : 3.3 : 6.7)	(2.2 : 2.9 : 6.7)	(2.2 : 3.1 : 6.7)
6.11	Actual average Mass/Truck (Short:Medium:Long)	(10.6 : 17.8 : 41.0)	(9.6 : 15.0 : 37.0)	(10.1 : 16.5 : 38.9)
6.12	Actual average E80s/Truck (Short:Medium:Long)	(0.8 : 1.7 : 4.6)	(0.5 : 1.2 : 3.4)	(0.6 : 1.5 : 4.0)

L/H/Volume Report

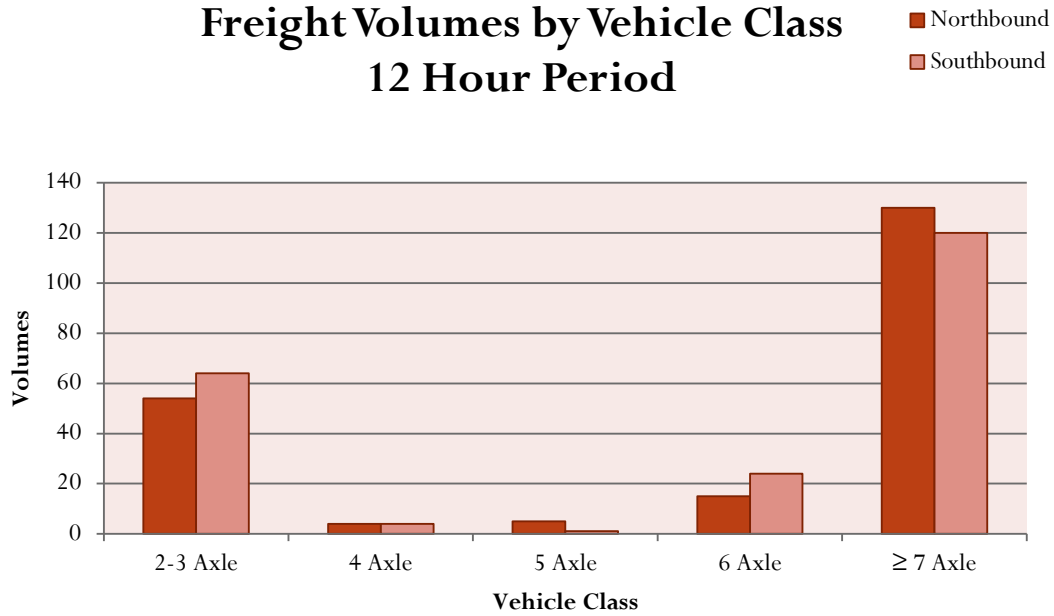
Date : 2023/10/02
Site : 3601 - Utrecht Perm
Description : 2.3km from N11 junction

Date	Time	Dur.	Lane 1			Lane 2			To Utrecht			To New Castle		
			Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total	Light	Hvy	Total
231002	00:00	24:00	1085	269	1354	1382	334	1716	1085	269	1354	1382	334	1716
231003	00:00	24:00	1129	305	1434	1145	334	1479	1129	305	1434	1145	334	1479
231004	00:00	24:00	1141	279	1420	1057	270	1327	1141	279	1420	1057	270	1327
231005	00:00	24:00	1281	364	1645	1119	347	1466	1281	364	1645	1119	347	1466
231006	00:00	24:00	1814	323	2137	1219	348	1567	1814	323	2137	1219	348	1567
231007	00:00	24:00	1384	248	1632	1091	299	1390	1384	248	1632	1091	299	1390
231008	00:00	24:00	907	158	1065	2117	275	2392	907	158	1065	2117	275	2392

Utrecht (R34 Utrecht to Newcastle)

Date: 04-10-2023

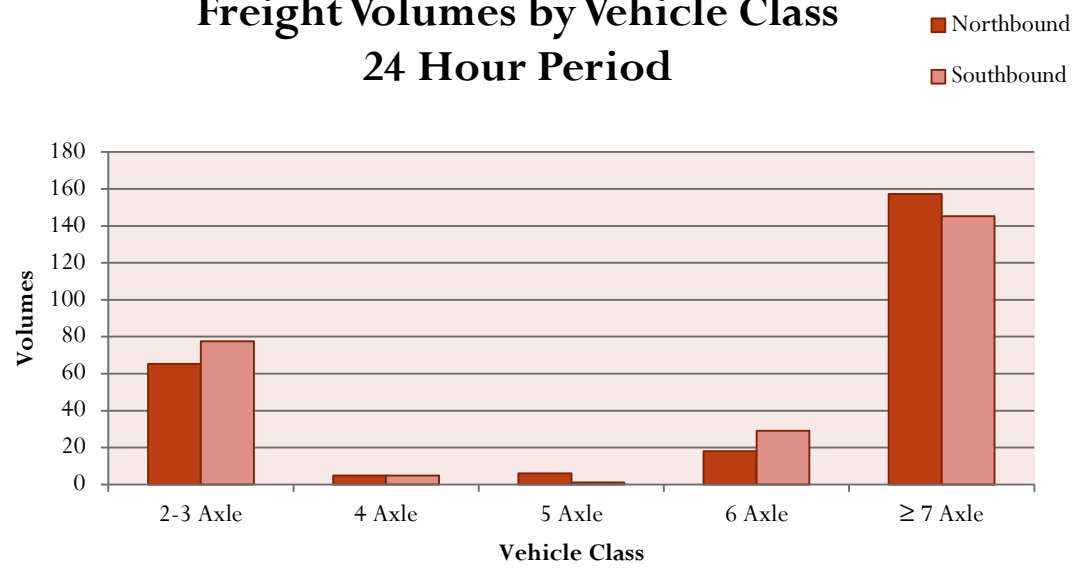
Freight Volumes by Vehicle Class 12 Hour Period



Utrecht (R34 Utrecht to Newcastle)

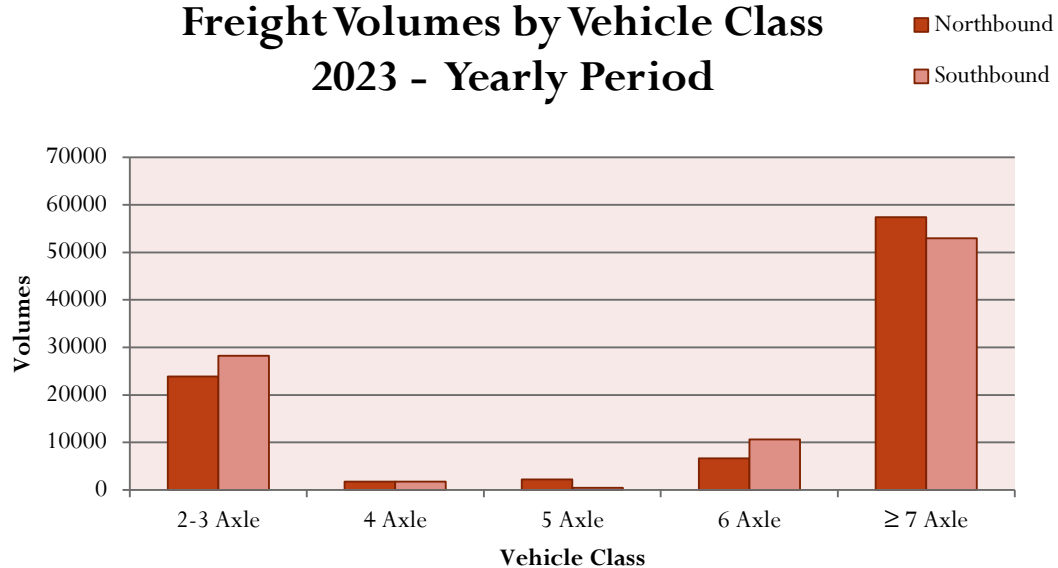
Date: 04-10-2023

Freight Volumes by Vehicle Class 24 Hour Period



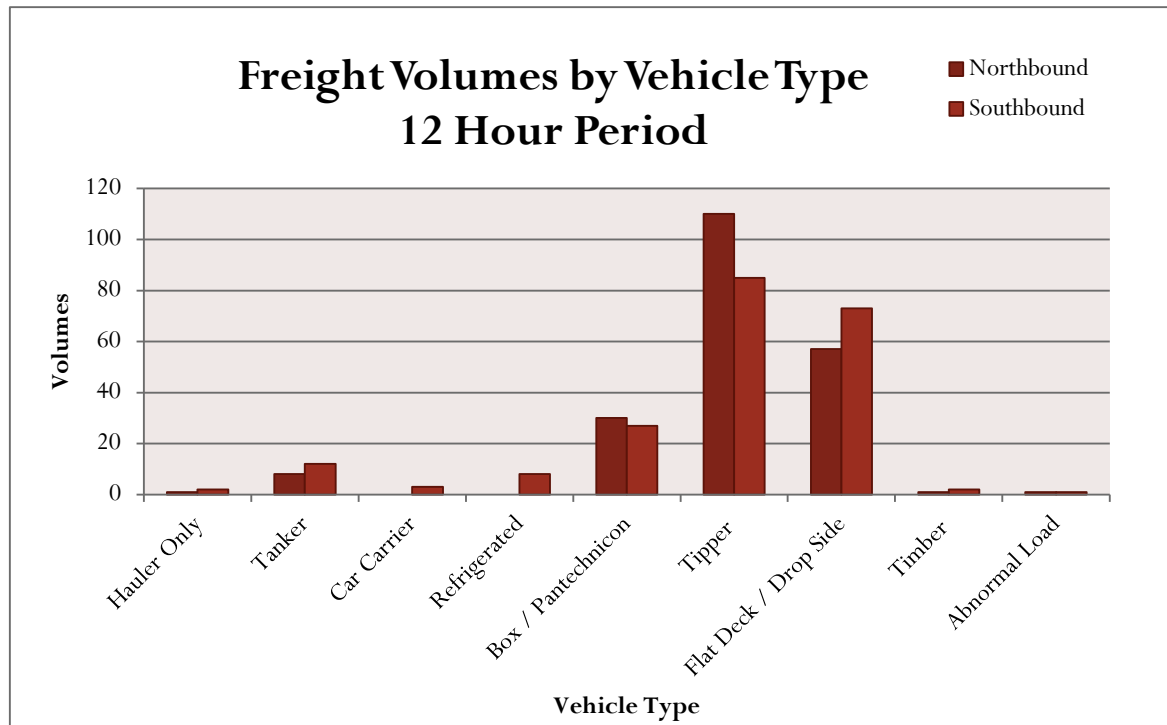
Utrecht (R34 Utrecht to Newcastle)

Freight Volumes by Vehicle Class 2023 - Yearly Period



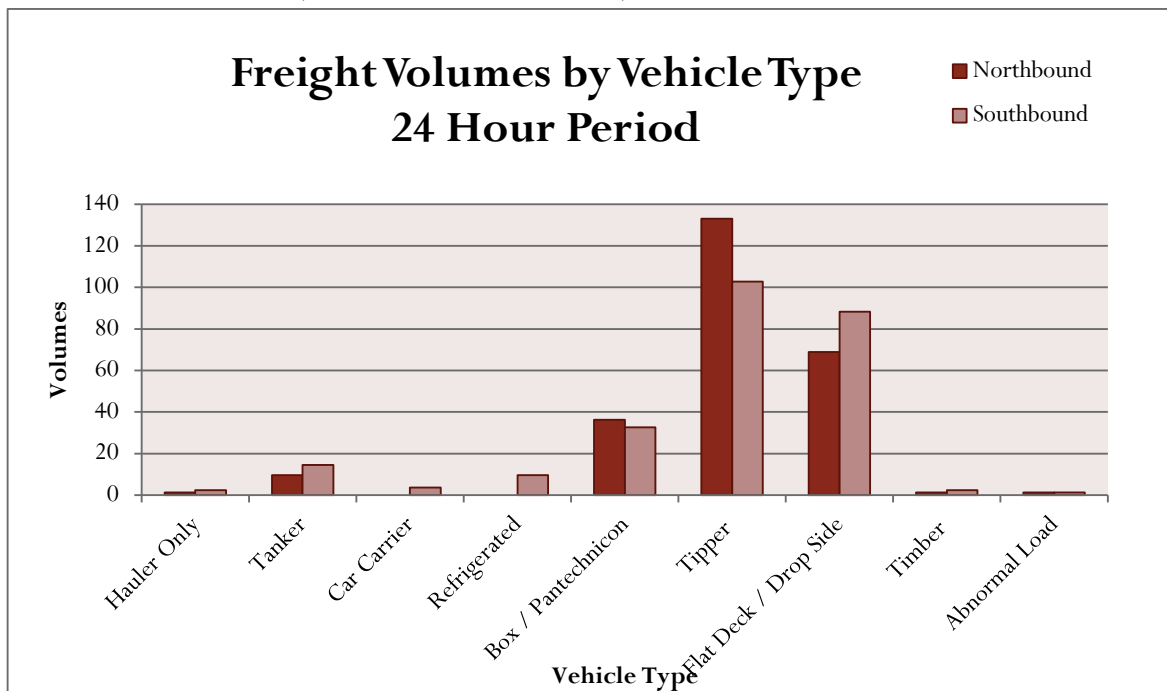
Utrecht (R34 Utrecht to Newcastle)

Date: 04-10-2023

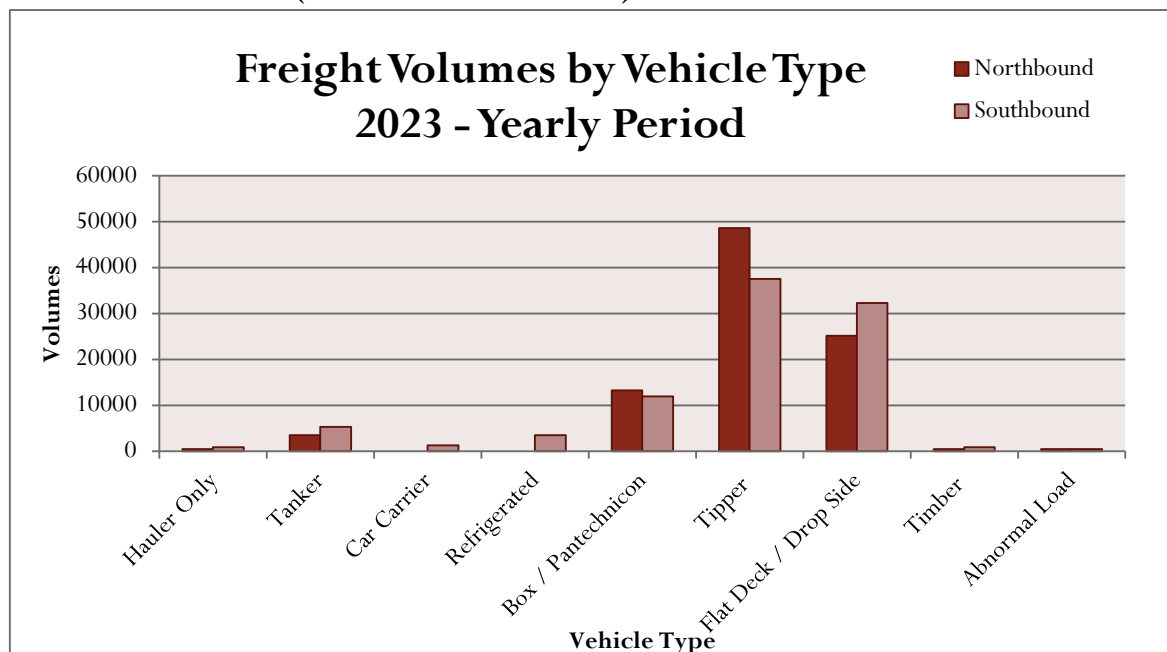


Utrecht (R34 Utrecht to Newcastle)

Date: 04-10-2023



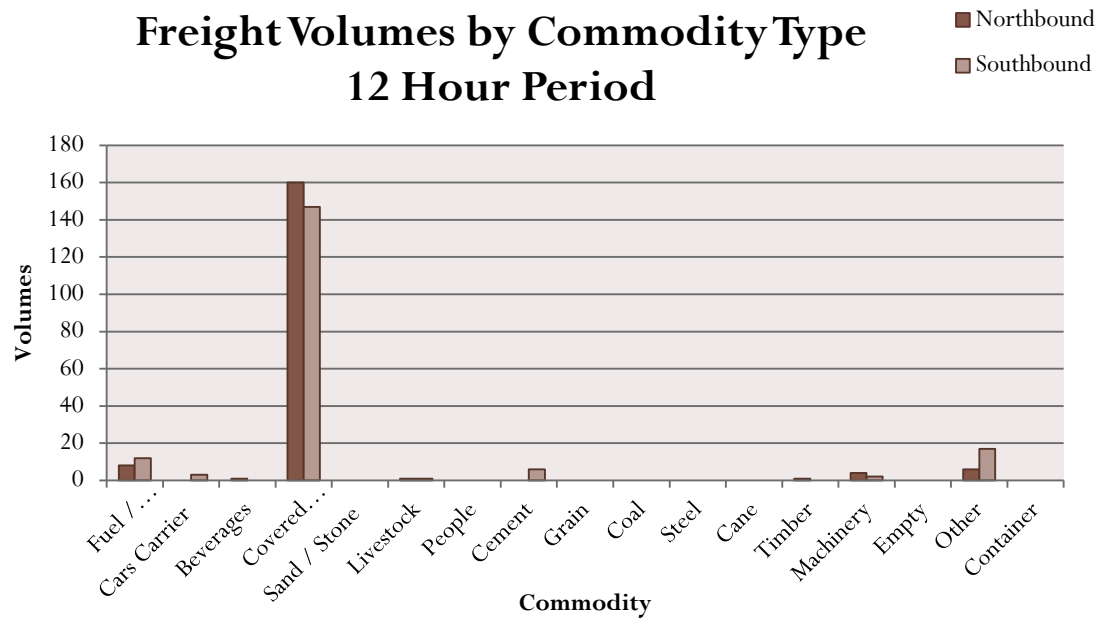
Utrecht (R34 Utrecht to Newcastle)



Utrecht (R34 Utrecht to Newcastle)

Date: 04-10-2023

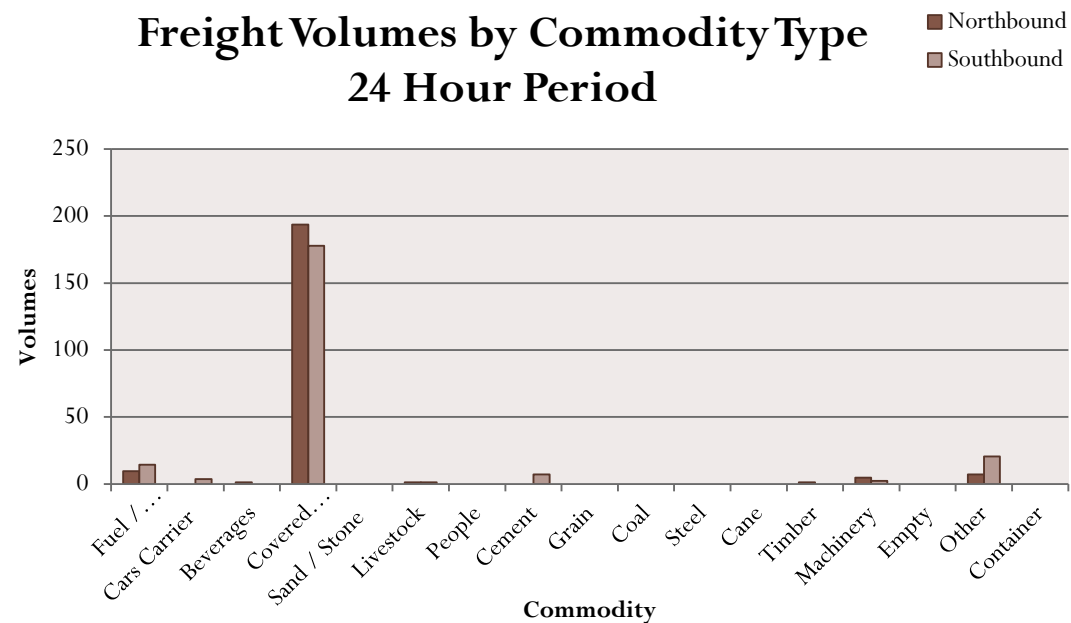
Freight Volumes by Commodity Type 12 Hour Period



Utrecht (R34 Utrecht to Newcastle)

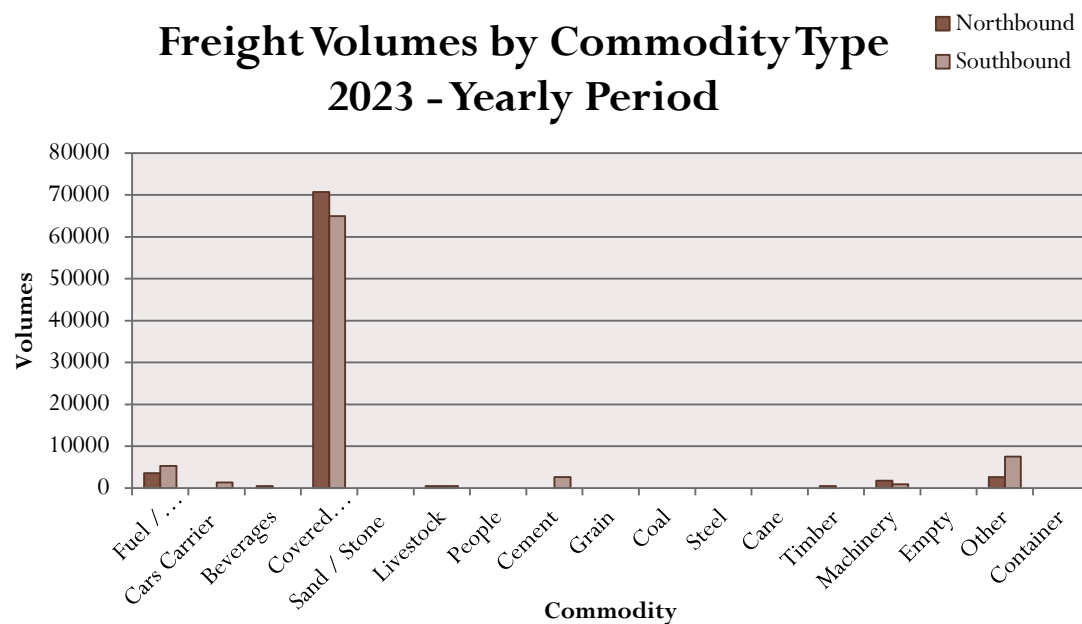
Date: 04-10-2023

Freight Volumes by Commodity Type 24 Hour Period



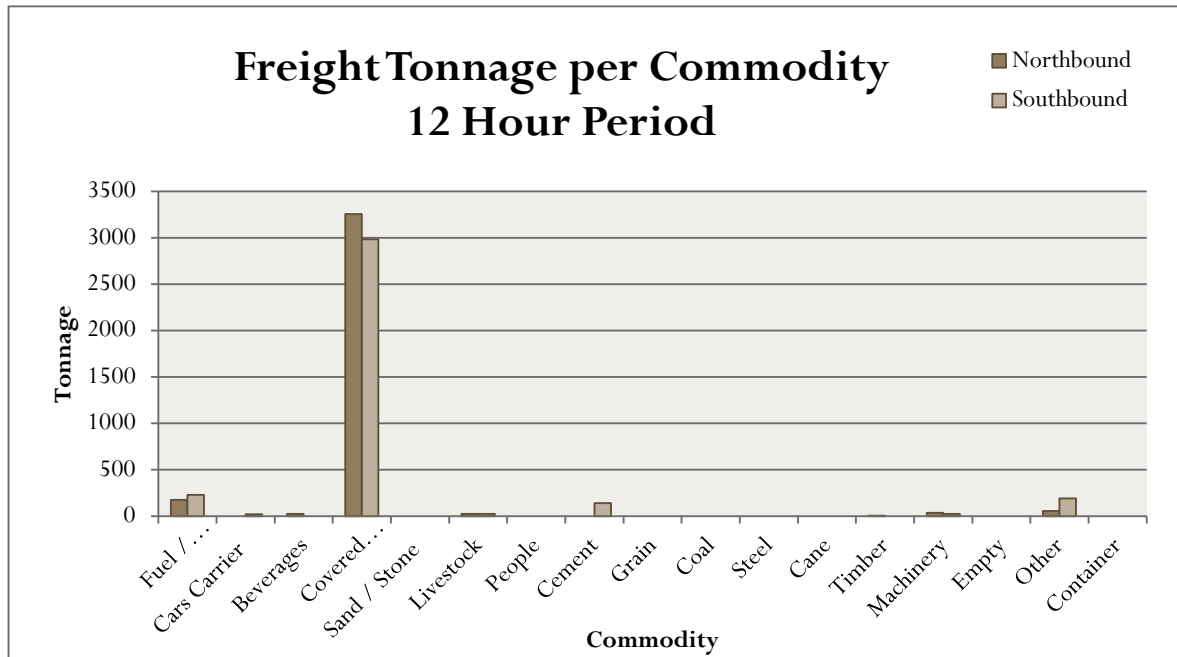
Utrecht (R34 Utrecht to Newcastle)

Freight Volumes by Commodity Type 2023 - Yearly Period



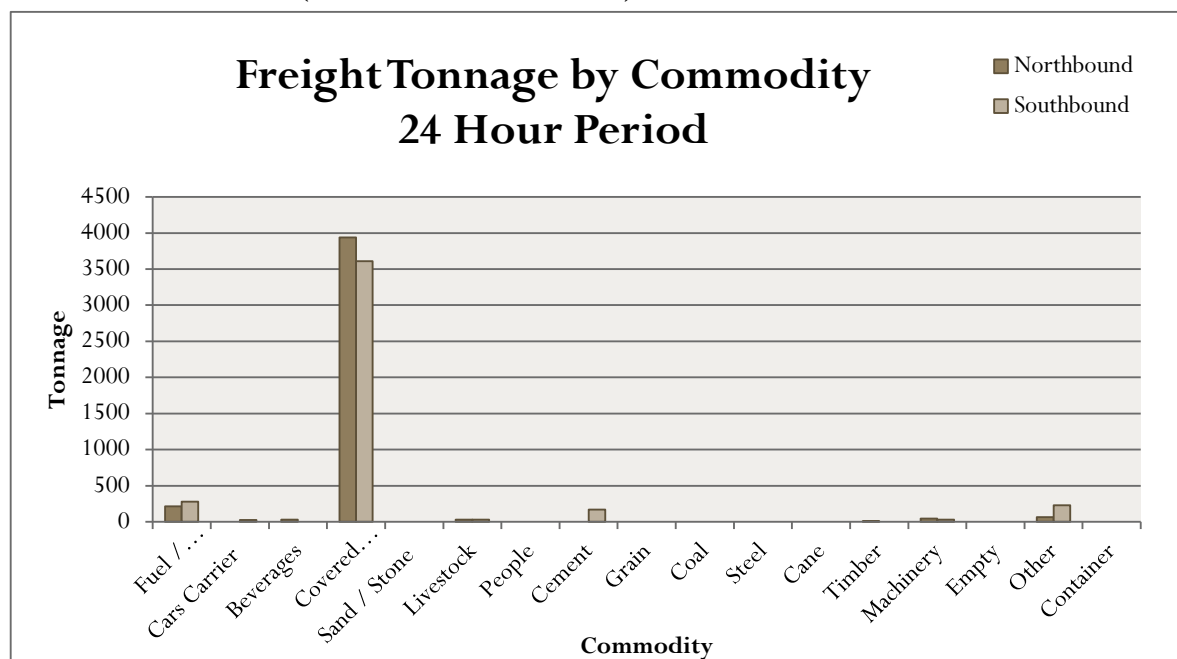
Utrecht (R34 Utrecht to Newcastle)

Date: 04-10-2023

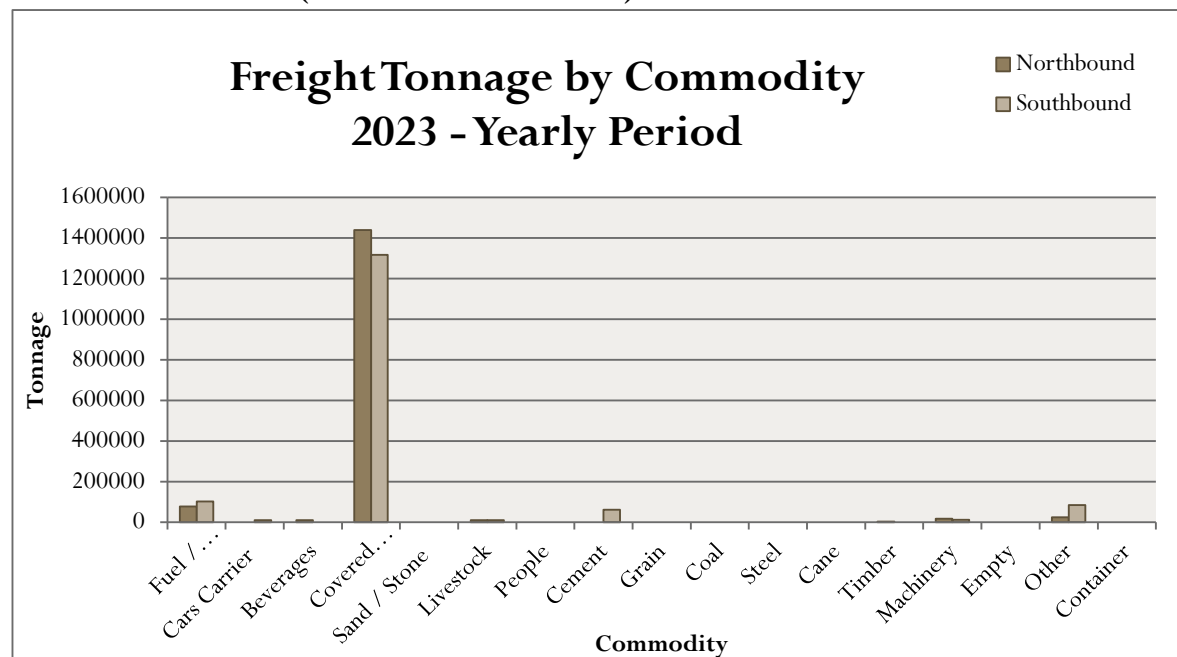


Utrecht (R34 Utrecht to Newcastle)

Date: 04-10-2023



Utrecht (R34 Utrecht to Newcastle)



Utrecht (R34 Utrecht to Newcastle) 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	100	75	175	Fuel / Chemicals	12	0	0	120	100	232
Cars Carrier	0	0	0	0	0	0	Cars Carrier	12	10	0	0	0	22
Beverages	0	0	0	0	25	25	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	192	30	60	100	2875	3257	Covered Load / Sail or Tarp	198	10	15	160	2600	2983
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	25	25	Livestock	0	0	0	0	25	25
People	0	0	0	0	0	0	People	0	0	0	0	0	0
Cement	0	0	0	0	0	0	Cement	0	0	0	40	100	140
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	6	0	0	0	0	6	Timber	0	0	0	0	0	0
Machinery	18	0	0	20	0	38	Machinery	6	0	0	20	0	26
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	30	0	0	0	25	55	Other	60	20	0	60	50	190
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Utrecht (R34 Utrecht to Newcastle) 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	121	91	212	Fuel / Chemicals	15	0	0	145	121	281
Cars Carrier	0	0	0	0	0	0	Cars Carrier	15	12	0	0	0	27
Beverages	0	0	0	0	30	30	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	232	36	73	121	3479	3941	Covered Load / Sail or Tarp	240	12	18	194	3146	3609
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	30	30	Livestock	0	0	0	0	30	30
People	0	0	0	0	0	0	People	0	0	0	0	0	0
Cement	0	0	0	0	0	0	Cement	0	0	0	48	121	169
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	7	0	0	0	0	7	Timber	0	0	0	0	0	0
Machinery	22	0	0	24	0	46	Machinery	7	0	0	24	0	31
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	36	0	0	0	30	67	Other	73	24	0	73	61	230
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Utrecht (R34 Utrecht to Newcastle) 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	44165	33124	77289	Fuel / Chemicals	5300	0	0	52998	44165	102463
Cars Carrier	0	0	0	0	0	0	Cars Carrier	5300	4417	0	0	0	9716
Beverages	0	0	0	0	11041	11041	Beverages	0	0	0	0	0	0
Covered Load / Sail or Tarp	84797	13250	26499	44165	1269744	1438454	Covered Load / Sail or Tarp	87447	4417	6625	70664	1148290	1317442
Sand / Stone	0	0	0	0	0	0	Sand / Stone	0	0	0	0	0	0
Livestock	0	0	0	0	11041	11041	Livestock	0	0	0	0	11041	11041
People	0	0	0	0	0	0	People	0	0	0	0	0	0
Cement	0	0	0	0	0	0	Cement	0	0	0	17666	44165	61831
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	2650	0	0	0	0	2650	Timber	0	0	0	0	0	0
Machinery	7950	0	0	8833	0	16783	Machinery	2650	0	0	8833	0	11483
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	13250	0	0	0	11041	24291	Other	26499	8833	0	26499	22083	83914
Container	0	0	0	0	0	0	Container	0	0	0	0	0	0

Utrecht (R34 Utrecht to Newcastle) 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

Utrecht (R34 Utrecht to Newcastle) 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

Utrecht (R34 Utrecht to Newcastle) 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