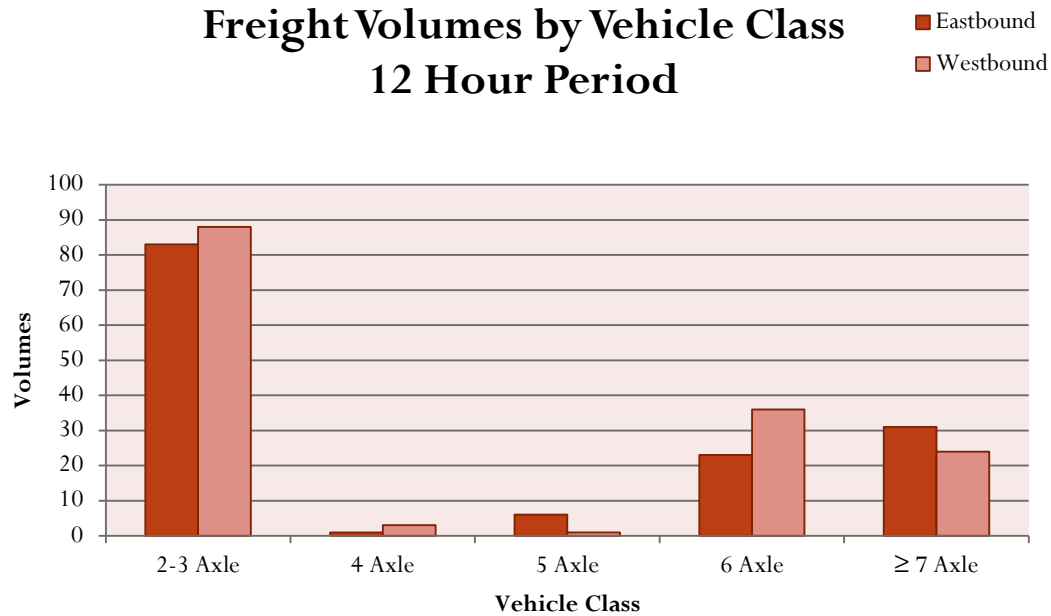
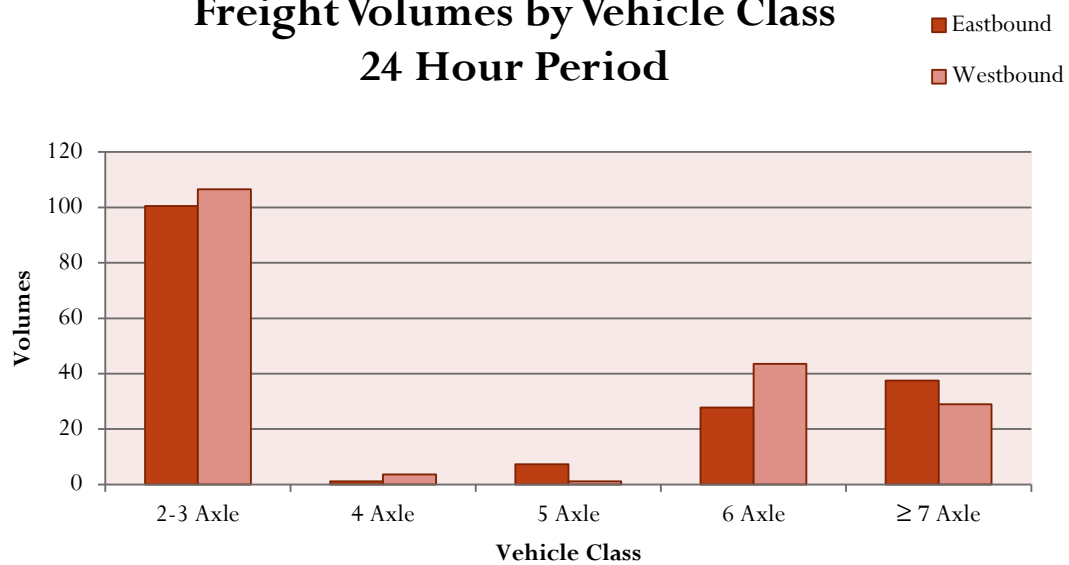


TRAFFIC HIGHLIGHTS OF SITE Z430011				
1.1	Site Identifier	Z430011		
1.2	Site Name	P7-4 Site 4		
1.3	Site Description	South East of Old Main Road		
1.4	Road Description	Route : Road : P7-4 Section : Distance : 0.0km		
1.5	GPS Position	29 30 03.1E -29 47 49.3S		
1.6	Number of Lanes	2		
1.7	Station Type	Secondary (Temp)		
1.8	Requested Period	2023/08/17 - 2023/08/25		
1.9	Length of record requested (hours)	216		
1.10	Actual First & Last Dates	2023/08/17 - 2023/08/25		
1.11	Actual available good data (hours)	187		
1.12	Percentage good data available for requested period	86.9		
		To Bulwer	To Old Main Road	Total
2.1a	Total number of vehicles (counted)	7721	7619	15340
2.1b	Total number of vehicles (projected for period)	8881	8763	17644
2.2	Average daily traffic (ADT)	987	974	1960
2.3	Average daily truck traffic (ADTT)	170	167	337
2.4	Percentage of trucks	17.3	17.1	17.2
2.5	Truck split % (short:medium:long)	39 : 10 : 51	45 : 9 : 46	41 : 10 : 49
2.6	Percentage of night traffic (20:00 - 06:00)	11.2	8.1	9.7
3.1	Speed limit (km/hr)			60
3.2	Average speed (km/hr)	82.5	76.3	79.4
3.3	Average speed - light vehicles (km/hr)	86.3	81.3	83.8
3.4	Average speed - heavy vehicles (km/hr)	64.0	52.4	58.3
3.5	Average night speed (km/hr)	75.1	68.6	72.4
3.6	15th centile speed (km/hr)	61.7	49.8	57.7
3.7	85th centile speed (km/hr)	103.9	101.9	104.0
3.8	Percentage vehicles in excess of speed limit	86.5	74.5	80.5
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)		2023/08/18 16:00:00	253
4.3	Highest volume in the North (vehs/hr)		2023/08/18 16:00:00	156
4.4	Highest volume in the South (vehs/hr)		2023/08/20 12:00:00	139
4.5	Highest volume in a lane (vehicles/hr)		2023/08/18 16:00:00	156
4.6	15th highest volume on the road (vehicles/hr)		2023/08/21 12:00:00	164
4.7	15th highest volume in the North direction (vehs/hr)		2023/08/22 16:00:00	85
4.8	15th highest volume in the South direction (vehs/hr)		2023/08/24 15:00:00	91
4.9	30th highest volume on the road (vehicles/hr)		2023/08/21 14:00:00	155
4.10	30th highest volume in the North direction (vehs/hr)		2023/08/23 08:00:00	73
4.11	30th highest volume in the South direction (vehs/hr)		2023/08/21 11:00:00	83
5.1	Percentage of vehicles less than 2s behind vehicle ahead			
6.1	Total number of heavy vehicles (projected for period)	1533	1500	3033
6.2	Estimated average number of axles per truck	4.9	4.6	4.7
6.3	Estimated truck mass (Ton/truck)	27.8	26.2	27.0
6.4	Estimated average E80/truck	1.6	1.5	1.5
6.5	Estimated daily E80 on the road			510
6.6	Estimated daily E80 in the North direction			266
6.7	Estimated daily E80 in the South direction			245
6.8	Estimated daily E80 in the worst North lane			266
6.9	Estimated daily E80 in the worst South lane			245
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)

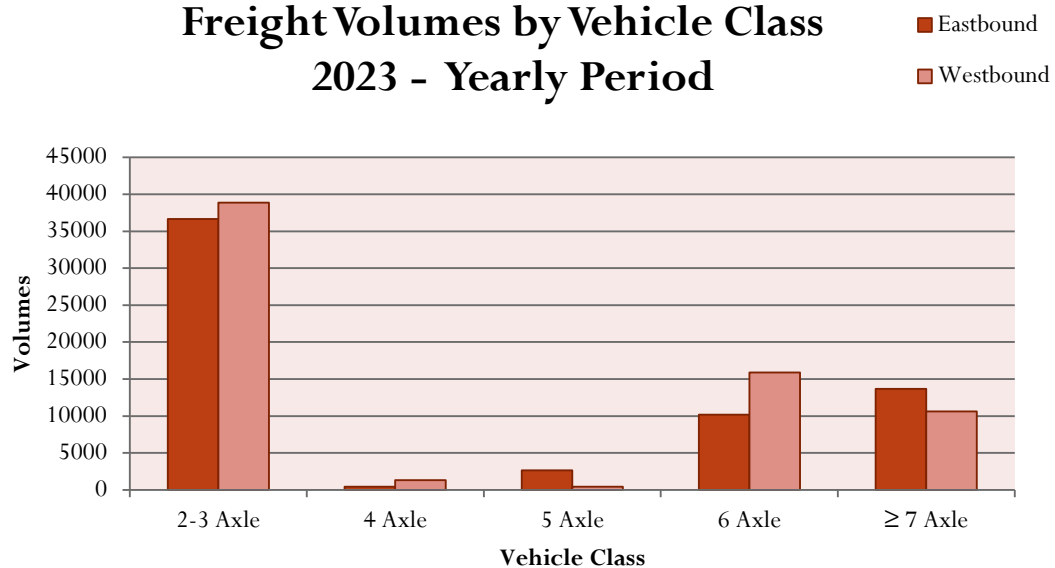
Freight Volumes by Vehicle Class 12 Hour Period



Freight Volumes by Vehicle Class 24 Hour Period



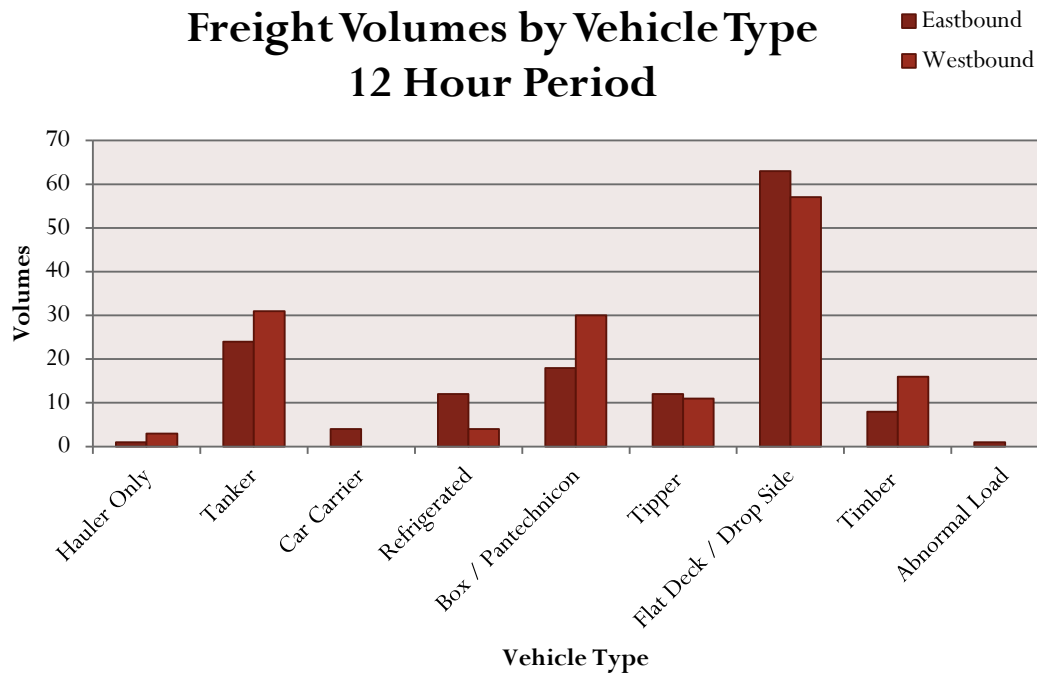
Freight Volumes by Vehicle Class 2023 - Yearly Period



Underburg (R617 Underburg to Bulwer)

Date: 19-09-2023s

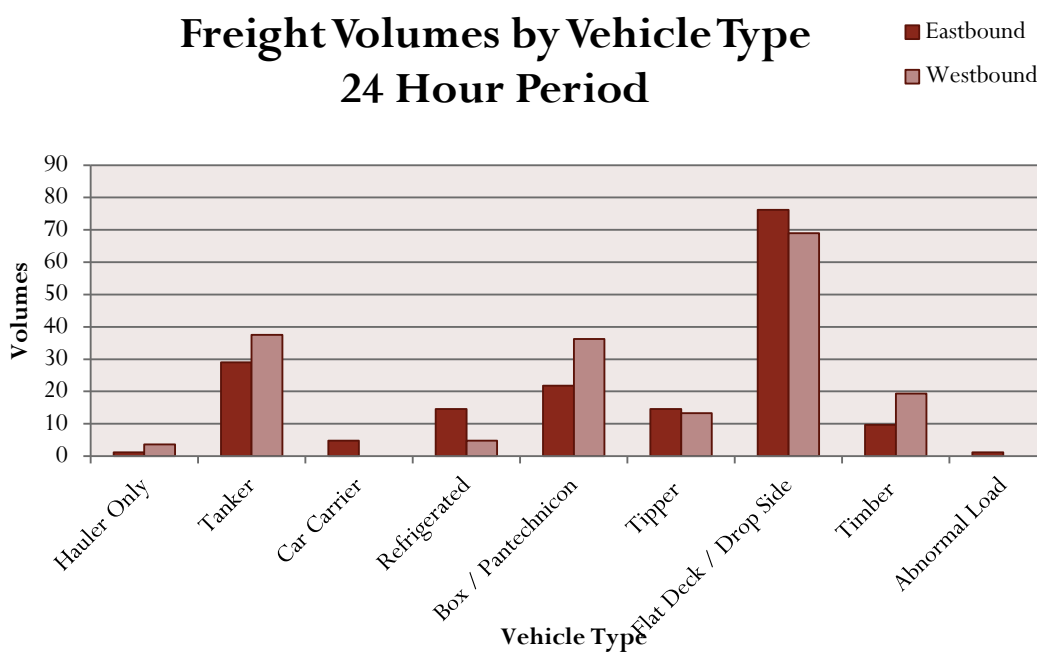
Freight Volumes by Vehicle Type 12 Hour Period



Underburg (R617 Underburg to Bulwer)

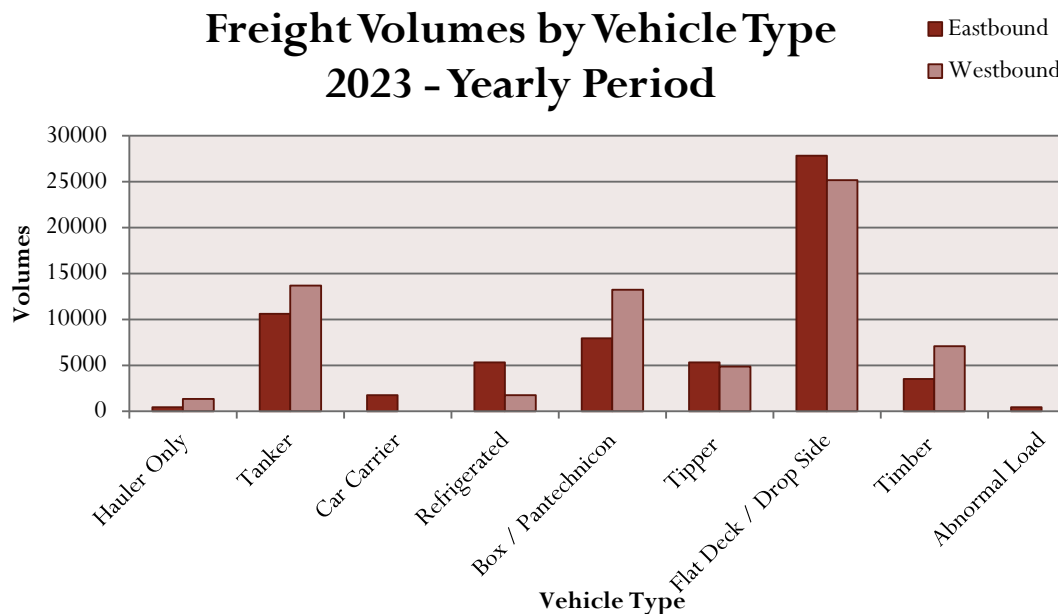
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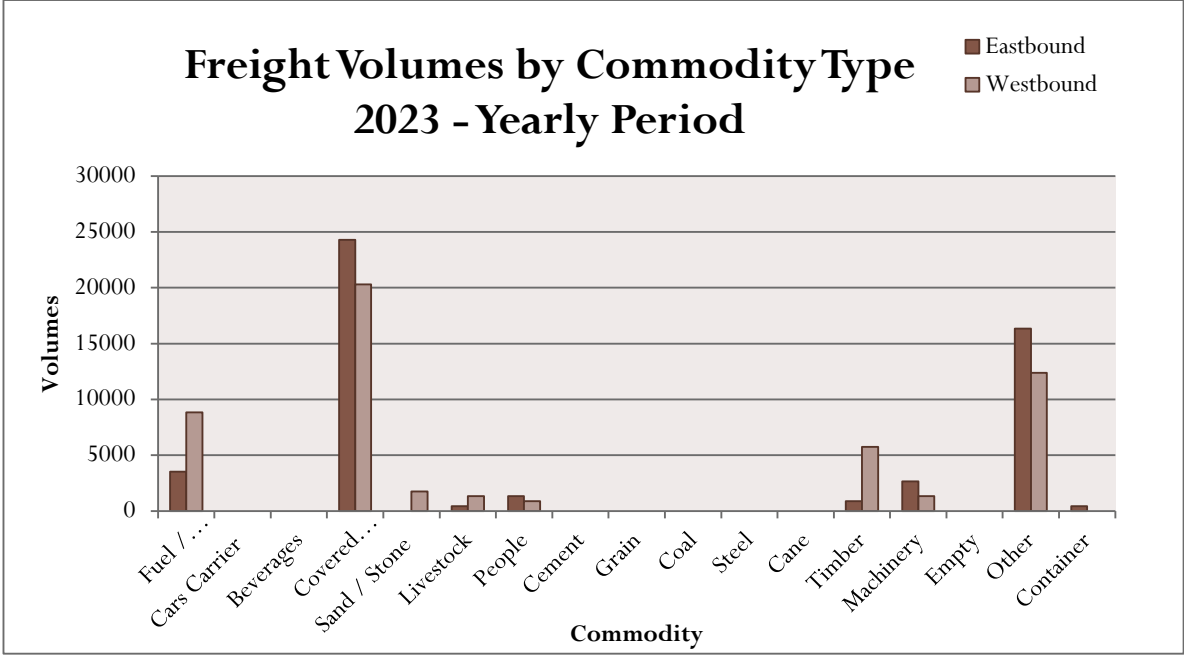
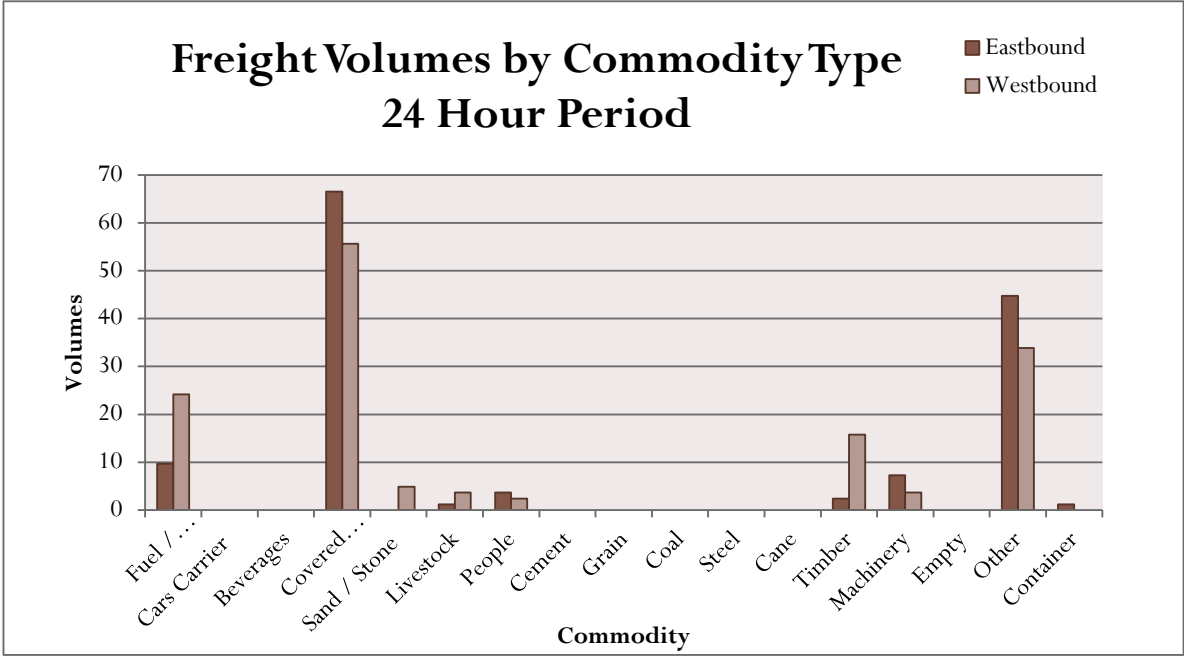
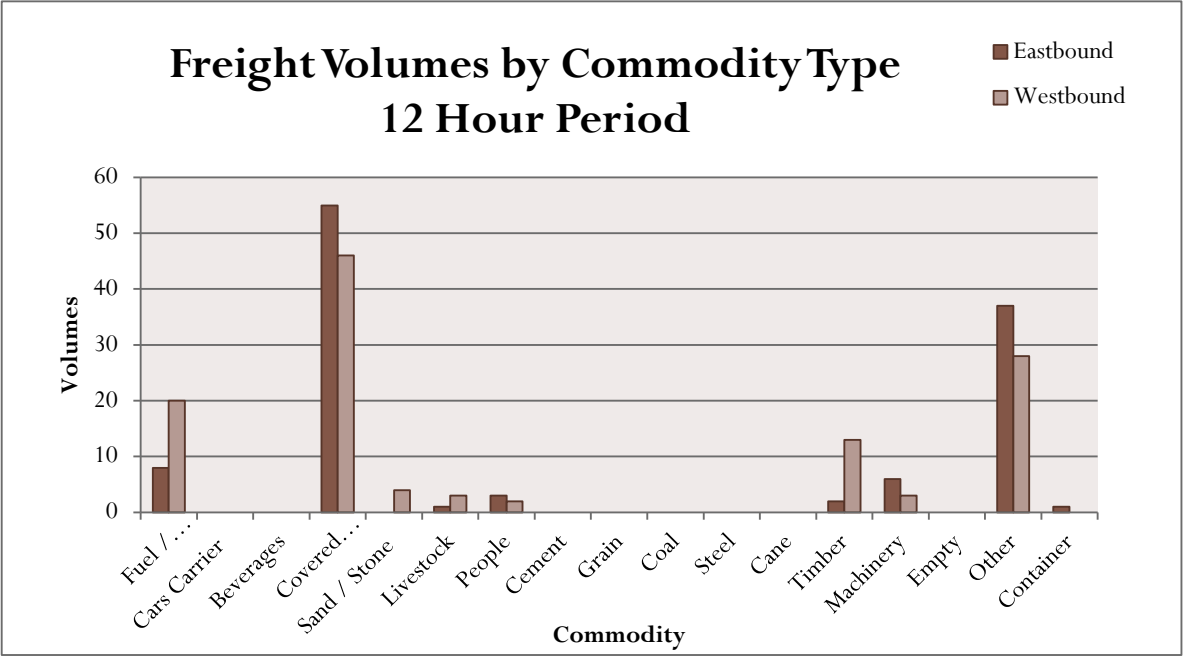
Freight Volumes by Vehicle Type 24 Hour Period

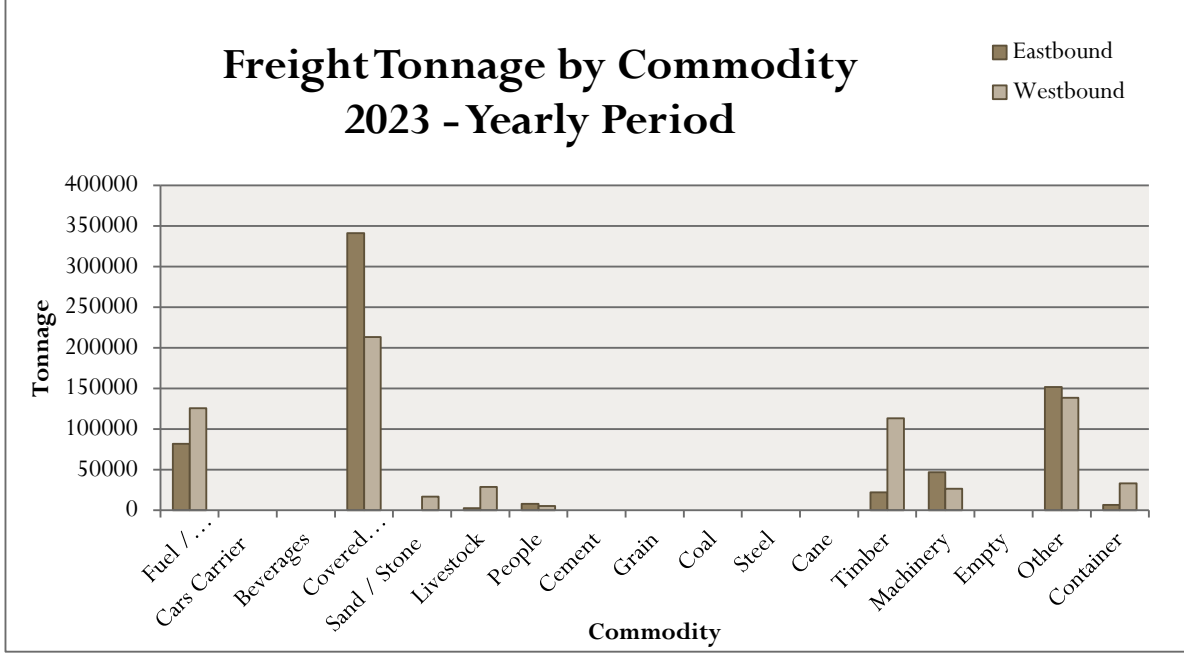
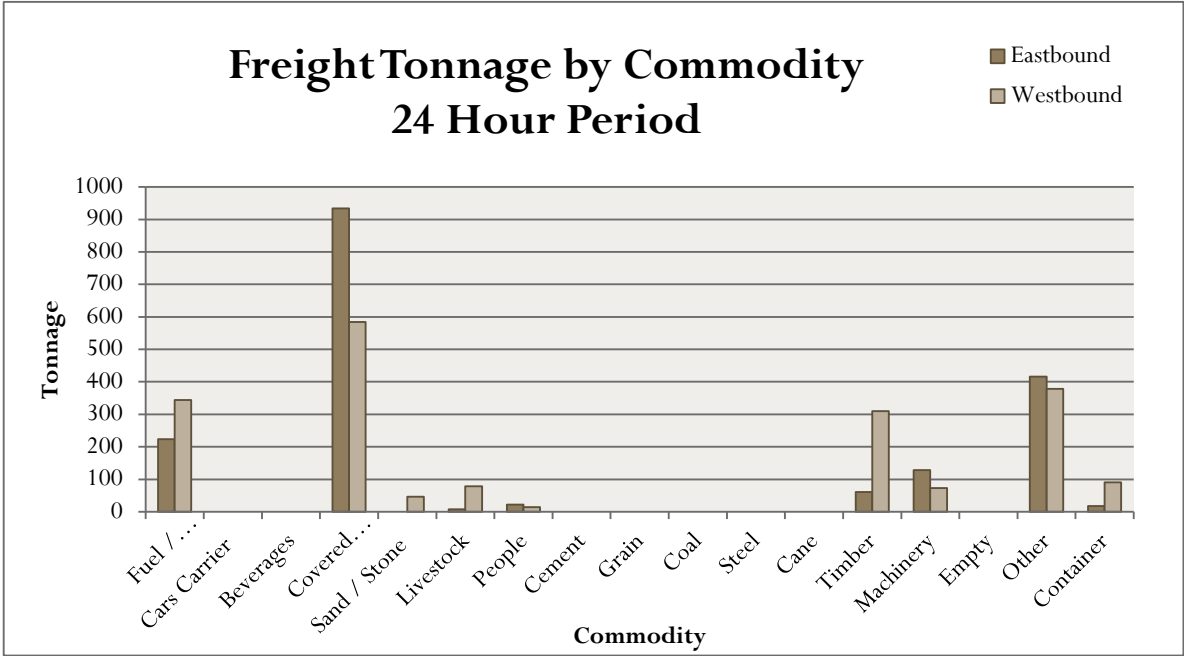
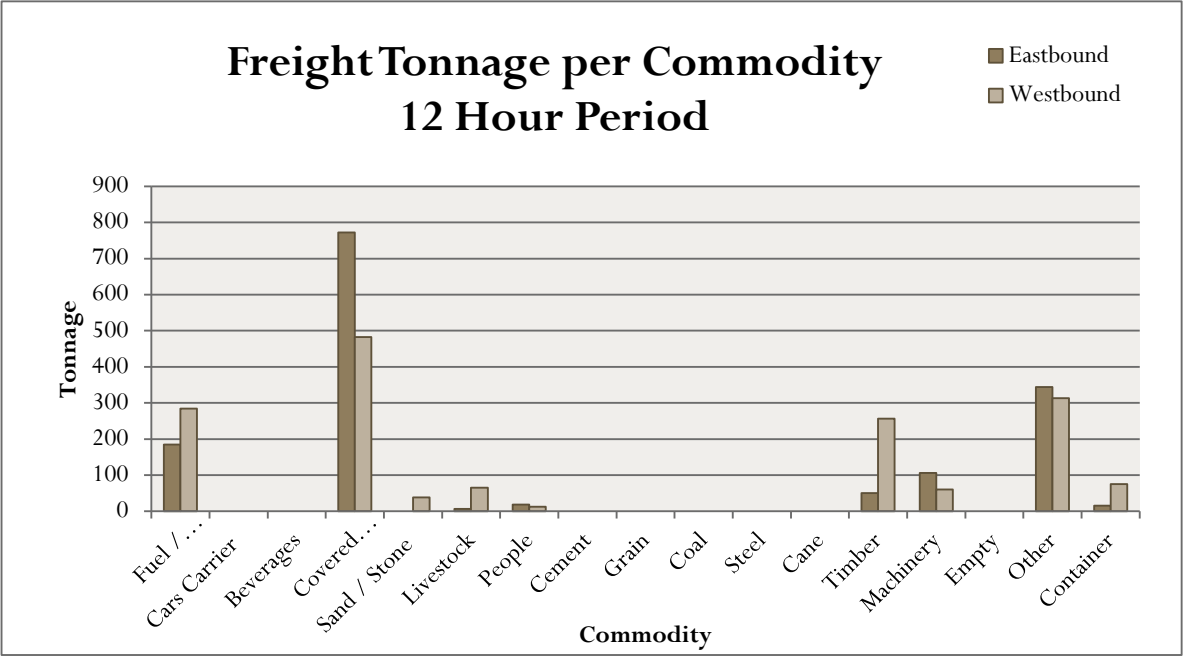


Underburg (R617 Underburg to Bulwer)

Freight Volumes by Vehicle Type 2023 - Yearly Period







Underburg (R617 Underburg to Bulwer) Freight Tonnage by Commodity by Vehicle Class (12 Hours) Date: 19-09-2023s													
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	0	0	0	60	125	185	Fuel / Chemicals	54	0	0	180	50	284
Cars Carrier	0	0	0	0	0	0	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	162	10	45	180	375	772	Covered Load / Sail or Tarp	198	0	0	160	125	483
Sand / Stone	0	0	0	0	0	0	Sand / Stone	18	0	0	20	0	38
Livestock	6	0	0	0	0	6	Livestock	0	0	0	40	25	65
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	0	0	0	0	50	50	Timber	6	20	0	80	150	256
Machinery	6	0	0	100	0	106	Machinery	0	0	0	60	0	60
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	174	0	30	40	100	344	Other	108	0	15	140	50	313
Container	0	0	15	0	0	15	Container	0	0	0	0	75	75

Underburg (R617 Underburg to Bulwer) Freight Tonnage by Commodity by Vehicle Class (24 Hours) Date: 19-09-2023s													
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	0	0	0	73	151	224	Fuel / Chemicals	65	0	0	218	61	344
Cars Carrier	0	0	0	0	0	0	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	196	12	54	218	454	934	Covered Load / Sail or Tarp	240	0	0	194	151	584
Sand / Stone	0	0	0	0	0	0	Sand / Stone	22	0	0	24	0	46
Livestock	7	0	0	0	0	7	Livestock	0	0	0	48	30	79
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	0	0	0	0	61	61	Timber	7	24	0	97	182	310
Machinery	7	0	0	121	0	128	Machinery	0	0	0	73	0	73
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	211	0	36	48	121	416	Other	131	0	18	169	61	379
Container	0	0	18	0	0	18	Container	0	0	0	0	91	91

Underburg (R617 Underburg to Bulwer) 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	0	0	0	26499	55206	81705	Fuel / Chemicals	23849	0	0	79497	22083	125429
Cars Carrier	0	0	0	0	0	0	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	71547	4417	19874	79497	165619	340954	Covered Load / Sail or Tarp	87447	0	0	70664	55206	213317
Sand / Stone	0	0	0	0	0	0	Sand / Stone	7950	0	0	8833	0	16783
Livestock	2650	0	0	0	0	2650	Livestock	0	0	0	17666	11041	28707
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	0	0	0	0	22083	22083	Timber	2650	8833	0	35332	66248	113062
Machinery	2650	0	0	44165	0	46815	Machinery	0	0	0	26499	0	26499
Empty	0	0	0	0	0	0	Empty	0	0	0	0	0	0
Other	76847	0	13250	17666	44165	151928	Other	47698	0	6625	61831	22083	138236
Container	0	0	6625	0	0	6625	Container	0	0	0	0	33124	33124

Underburg (R617 Underburg to Bulwer)													
Twenty Foot Equivalent Unit (TEU) (12 Hours)											Date: 19-09-2023s		
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

Underburg (R617 Underburg to Bulwer)													
Twenty Foot Equivalent Unit (TEU) (24 Hours)											Date: 19-09-2023s		
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

Underburg (R617 Underburg to Bulwer) 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