

**ROYAL OAK AVE  
October 6, 2024**

**between  
to**

**CHATTERTON WAY AND ROYAL OAK DR  
October 12, 2024**



The data presented here is for information purposes only and should not be considered authoritative for construction, geotechnical, engineering, navigational, legal, or other site-specific uses. Please note that small datasets may skew the calculation of the hourly 85th percentile speed. The information shared is owned by the Transportation Division of the Engineering Department at the District of Saanich. Accuracy is not guaranteed.

This document contains:

Overview

Vehicle Volume Summary

Vehicle Speed Summary

Vehicle Classification Summary

Overview

ROYAL OAK AVE  
October 6, 2024

between  
to

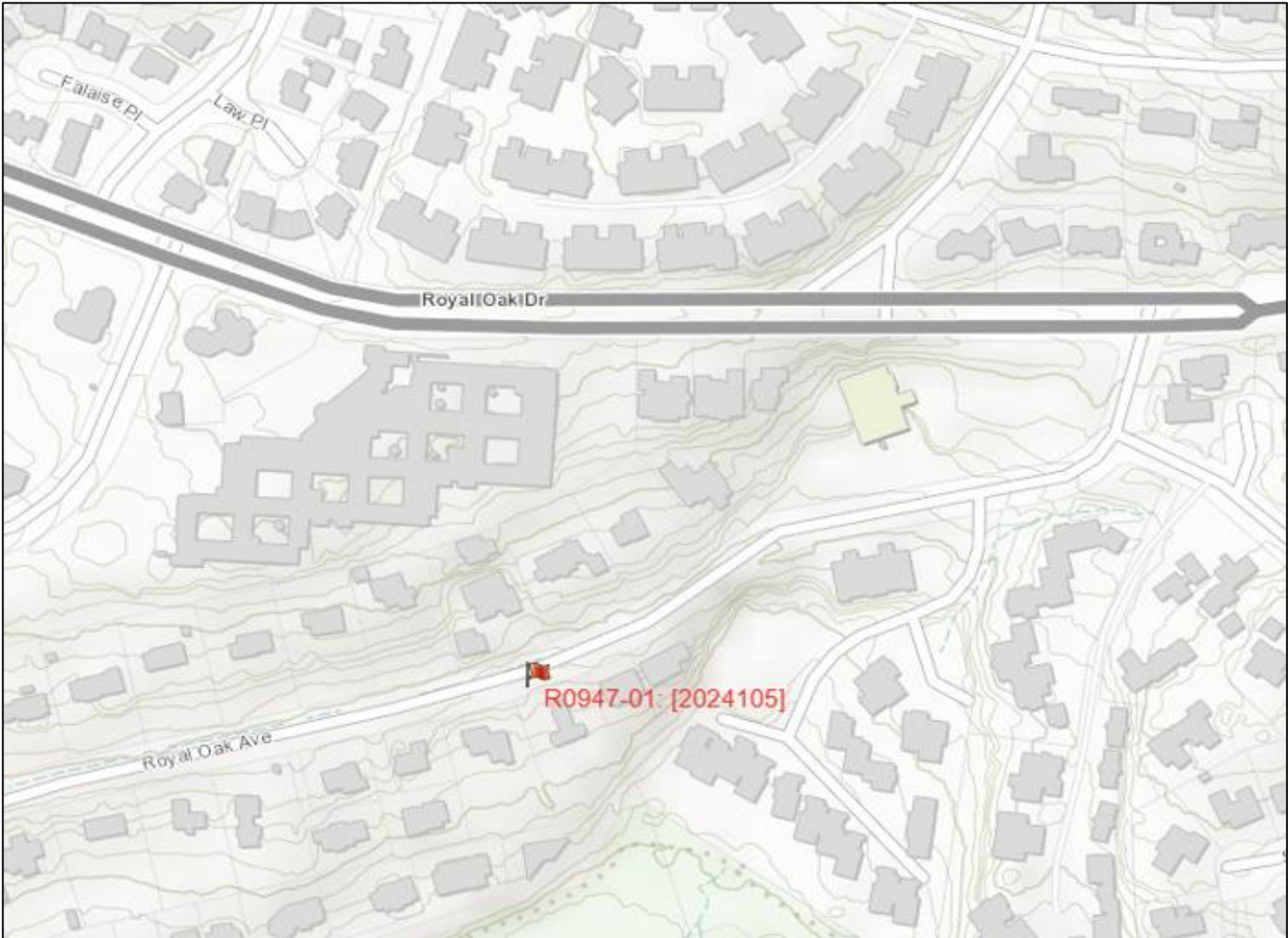
CHATTERTON WAY AND ROYAL OAK DR  
October 12, 2024



Location Map

Metric	EB	WB	Combined
Average Traffic Volume (weekdays)	429	477	906
Average Speed (km/h)	46	45	46

Weather Information	Value
Minimum Temperature	7 °C
Maximum Temperature	15 °C
Total Precipitation	7 mm



Vehicle Volume Summary



Start Date: 10/6/2024  
Start Time: 12:00 AM  
Station ID: R0947-0

Location: ROYAL OAK AVE Between CHATTERTON WAY AND ROYAL OAK DR

DATE:	October 7, 2024		October 8, 2024		October 10, 2024		October 9, 2024		October 11, 2024					
	MON		TUE		WED		THURS		FRI		WK AVG		WK AVG	HOURLY
Time:	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	EB	WB	CH 1+2	%
12-1 AM	0	0	0	1	0	0	1	0	1	0	0	0	1	0.1%
1-2 AM	0	1	0	1	0	0	1	0	1	0	0	0	1	0.1%
2-3 AM	0	0	3	0	0	0	0	1	0	0	1	0	1	0.1%
3-4 AM	0	0	1	0	0	0	0	1	0	0	0	0	0	0.0%
4-5 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0.0%
5-6 AM	1	0	2	0	0	1	5	2	0	1	2	1	2	0.3%
6-7 AM	3	5	4	4	2	5	5	0	3	2	3	3	7	0.7%
7-8 AM	17	25	15	20	16	23	21	19	17	21	17	22	39	4.3%
8-9 AM	44	62	41	52	49	52	31	51	43	50	42	53	95	10.5%
9-10 AM	22	27	26	29	26	41	23	30	22	34	24	32	56	6.2%
10-11 AM	27	36	21	26	37	26	30	25	25	36	28	30	58	6.4%
11-12 PM	31	31	20	19	38	37	29	30	32	32	30	30	60	6.6%
12-1 PM	36	35	31	35	31	42	33	28	35	32	33	34	68	7.5%
1-2 PM	36	48	31	38	28	48	24	35	28	37	29	41	71	7.8%
2-3 PM	44	38	43	37	49	50	43	41	46	39	45	41	86	9.5%
3-4 PM	33	41	39	53	45	55	36	48	40	69	39	53	92	10.1%
4-5 PM	34	33	42	52	36	26	36	49	33	33	36	39	75	8.3%
5-6 PM	34	20	33	38	33	33	36	26	34	35	34	30	64	7.1%
6-7 PM	20	27	22	27	27	18	23	22	24	23	23	23	47	5.1%
7-8 PM	9	15	9	10	26	15	17	14	20	17	16	14	30	3.4%
8-9 PM	9	6	16	9	10	11	8	13	14	10	11	10	21	2.3%
9-10 PM	9	4	3	8	14	31	4	13	13	3	9	12	20	2.3%
10-11 PM	7	4	3	5	3	6	2	5	5	4	4	5	9	1.0%
11-12 AM	0	3	2	4	5	2	2	1	1	2	2	2	4	0.5%
LANES	416	462	407	468	475	522	410	454	437	480	429	477	906	100.0%
TOTAL	878		875		997		864		917		906			
	MON		TUE		WED		THURS		FRI		WK AVG			
PEAK HOUR							TOTAL VEHICLES-PEAK PERIODS				2 HOUR PEAK INTERVALS			
MAX. 7 - 9 am PEAK		95	➡	10.5%	between	8-9 AM	400 ➡ 6 HR TOTAL		2 HR AM (7 - 9 AM)					
MAX. 7 - 11 am PEAK		95	➡	10.5%	between	8-9 AM	273 ➡ 4 HR TOTAL		VEH / HR      VEH / 2HR      2 HR %					
									7-8 AM      39      134      14.8%					
									8-9 AM      95					
MAX. 11 am - 1 pm PEAK		68	➡	7.5%	between	12-1 PM					2 HR NOON (11 - 1 PM)			
											VEH / HR      2 HR %			
MAX. 11 am - 3 pm PEAK		86	➡	9.5%	between	2-3 PM					11-12 PM      60      127      14.1%			
											12-1 PM      68			
MAX. 4 - 6 pm PEAK		75	➡	8.3%	between	4-5 PM	2.26 ➡ 6-24 HR FACT.							
MAX. 3 - 6 pm PEAK		92	➡	10.1%	between	3-4 PM	3.32 ➡ 4-24 HR FACT.		2 HR PM (4 - 6 PM)					
									VEH / HR      VEH / 2HR      2 HR %					
									4-5 PM      75      139      15.4%					
									5-6 PM      64					

Vehicle Speed Summary

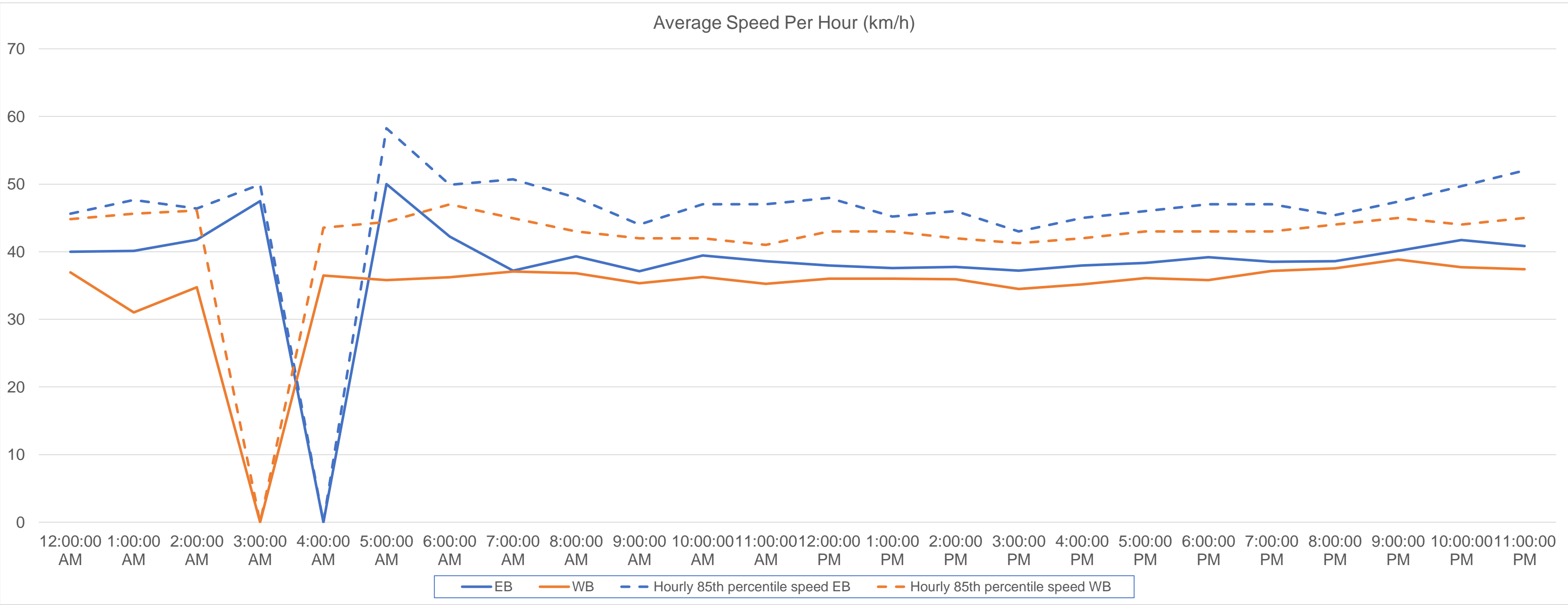


Station ID: R0947-0  
Location: ROYAL OAK AVE between CHATTERTON WAY AND ROYAL OAK DR  
Dates: 10/6/2024 to 10/12/2024

Bin Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Bin Speeds	1-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-80	81-90	91-9999
Count Total	109	257	726	1490	1717	1212	525	157	35	10	2	1	0	1
Percent Total	2%	4%	12%	24%	28%	19%	8%	3%	1%	0%	0%	0%	0%	0%

Movements	Above 30 km/h	Above 40 km/h	Above 50 km/h
EB	86%	38%	5%
WB	79%	25%	2%
Combined	82%	31%	3%

Movements	Average Speed	85th Percentile Speed	95th Percentile Speed
EB	46 km/h	55 km/h	59 km/h
WB	45 km/h	52 km/h	57 km/h
Combined	46 km/h	53 km/h	58 km/h



Vehicle Class Summary



Station ID R0947-0  
Location: ROYAL OAK AVE between CHATTERTON WAY AND ROYAL OAK DR  
Dates: 10/6/2024 to 10/12/2024

Classification	Motorcycle	Car & Light Goods Vehicles	Single Unit Truck	Buses	Multi-trailer truck
Length	0m to 2.30m	4.00m to 6.90m	6.00m to 10.50m	9.50m to 13.70m	9.50m to 23.70m

Movement	Classification					Total
	Motorcycle	Car & Light Goods Vehicles	Single Unit Truck	Buses	Multi-trailer truck	
EB	3	2722	29	22	1	2777
WB	8	3063	39	9	0	3119
Total	11	5785	68	31	1	5896
Percentage of Total	0.19%	98.12%	1.15%	0.53%	0.02%	100.00%