



The City of Red Deer
4914 – 48 Avenue
Red Deer, Alberta, Canada T4N 3T4
403- 342-8111 richard.silvestre@reddeer.ca
CORD

Count Name: 55 Street - 50 Avenue - AM,
NOON & PM
Site Code:
Start Date: 06-03-2025
Page No: 1

Turning Movement Data

Start Time	Southbound St. Southbound					Westbound St. Westbound					Northbound St. Northbound		Eastbound St. Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	
7:00 AM	63	79	6	0	148	9	9	0	0	18	1	0	22	0	0	0	22	188
7:15 AM	52	90	8	1	150	13	17	0	0	30	0	0	28	3	0	0	31	211
7:30 AM	100	155	7	2	262	16	25	0	2	41	3	0	39	3	0	2	42	345
7:45 AM	137	186	14	1	337	19	24	0	1	43	3	0	40	2	0	5	42	422
Hourly Total	352	510	35	4	897	57	75	0	3	132	7	0	129	8	0	7	137	1166
8:00 AM	179	244	9	5	432	26	30	0	0	56	0	0	64	7	0	2	71	559
8:15 AM	162	252	20	3	434	48	41	0	0	89	2	0	56	8	0	6	64	587
8:30 AM	124	264	18	3	406	53	33	0	2	86	4	0	45	8	0	6	53	545
8:45 AM	96	213	22	4	331	37	22	0	5	59	0	0	41	5	0	6	46	436
Hourly Total	561	973	69	15	1603	164	126	0	7	290	6	0	206	28	0	20	234	2127
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	89	182	22	4	293	27	18	0	0	45	0	0	33	15	0	0	48	386
11:45 AM	105	226	17	0	348	22	19	0	0	41	0	0	37	16	0	0	53	442
Hourly Total	194	408	39	4	641	49	37	0	0	86	0	0	70	31	0	0	101	828
12:00 PM	101	236	9	3	346	25	16	0	0	41	0	0	47	13	0	0	60	447
12:15 PM	100	247	15	3	362	23	18	0	0	41	0	0	37	13	0	0	50	453
12:30 PM	72	252	16	3	340	24	16	0	2	40	2	0	39	9	0	6	48	428
12:45 PM	121	261	19	2	401	23	20	0	1	43	4	0	66	11	0	5	77	521
Hourly Total	394	996	59	11	1449	95	70	0	3	165	6	0	189	46	0	11	235	1849
1:00 PM	95	249	7	3	351	21	19	0	1	40	3	0	42	9	0	7	51	442
1:15 PM	102	223	12	1	337	16	13	0	2	29	5	0	40	8	0	8	48	414
1:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*** BREAK ***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hourly Total	197	472	19	4	688	37	32	0	3	69	8	0	82	17	0	15	99	856
3:00 PM	144	241	10	3	395	26	15	0	4	41	0	0	62	9	0	4	71	507
3:15 PM	131	235	13	1	379	38	51	0	2	89	3	0	72	6	0	11	78	546
3:30 PM	122	228	13	3	363	38	36	0	0	74	2	0	78	10	0	4	88	525
3:45 PM	148	292	12	1	452	15	10	0	1	25	6	0	52	8	0	5	60	537
Hourly Total	545	996	48	8	1589	117	112	0	7	229	11	0	264	33	0	24	297	2115
4:00 PM	135	234	13	0	382	22	24	0	0	46	0	0	55	6	0	6	61	489
4:15 PM	171	260	11	4	442	21	20	0	4	41	0	0	62	9	0	8	71	554
4:30 PM	172	268	6	2	446	29	28	0	2	57	0	0	54	10	0	4	64	567
4:45 PM	198	291	19	1	508	20	20	0	0	40	9	0	58	7	0	7	65	613

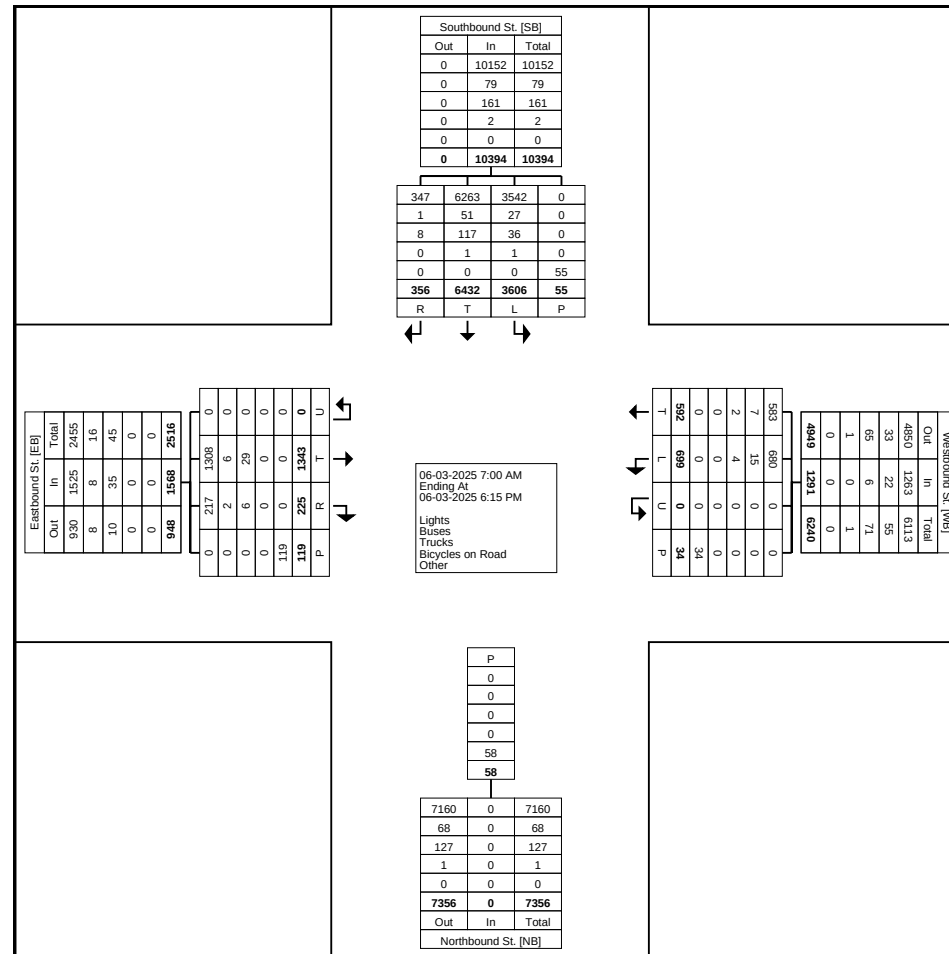
Hourly Total	676	1053	49	7	1778	92	92	0	6	184	9	0	229	32	0	25	261	2223
5:00 PM	191	317	8	0	516	29	15	0	2	44	2	0	53	9	0	4	62	622
5:15 PM	204	296	16	0	516	17	14	0	1	31	1	0	39	8	0	2	47	594
5:30 PM	172	220	6	1	398	19	7	0	1	26	4	0	45	10	0	9	55	479
5:45 PM	120	191	8	1	319	23	12	0	1	35	4	0	37	3	0	2	40	394
Hourly Total	687	1024	38	2	1749	88	48	0	5	136	11	0	174	30	0	17	204	2089
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	3606	6432	356	55	10394	699	592	0	34	1291	58	0	1343	225	0	119	1568	13253
Approach %	34.7	61.9	3.4	-	-	54.1	45.9	0.0	-	-	-	-	85.7	14.3	0.0	-	-	-
Total %	27.2	48.5	2.7	-	78.4	5.3	4.5	0.0	-	9.7	-	0.0	10.1	1.7	0.0	-	11.8	-
Lights	3542	6263	347	-	10152	680	583	0	-	1263	-	0	1308	217	0	-	1525	12940
% Lights	98.2	97.4	97.5	-	97.7	97.3	98.5	-	-	97.8	-	-	97.4	96.4	-	-	97.3	97.6
Buses	27	51	1	-	79	15	7	0	-	22	-	0	6	2	0	-	8	109
% Buses	0.7	0.8	0.3	-	0.8	2.1	1.2	-	-	1.7	-	-	0.4	0.9	-	-	0.5	0.8
Trucks	36	117	8	-	161	4	2	0	-	6	-	0	29	6	0	-	35	202
% Trucks	1.0	1.8	2.2	-	1.5	0.6	0.3	-	-	0.5	-	-	2.2	2.7	-	-	2.2	1.5
Bicycles on Road	1	1	0	-	2	0	0	0	-	0	-	0	0	0	0	-	0	2
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	-	11	-	-	-	-	4	-	4	-	-	-	-	38	-	-
% Bicycles on Crosswalk	-	-	-	20.0	-	-	-	-	11.8	-	6.9	-	-	-	-	31.9	-	-
Pedestrians	-	-	-	44	-	-	-	-	30	-	54	-	-	-	-	81	-	-
% Pedestrians	-	-	-	80.0	-	-	-	-	88.2	-	93.1	-	-	-	-	68.1	-	-



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Turning Movement Data Plot



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Turning Movement Peak Hour Data (8:00 AM)

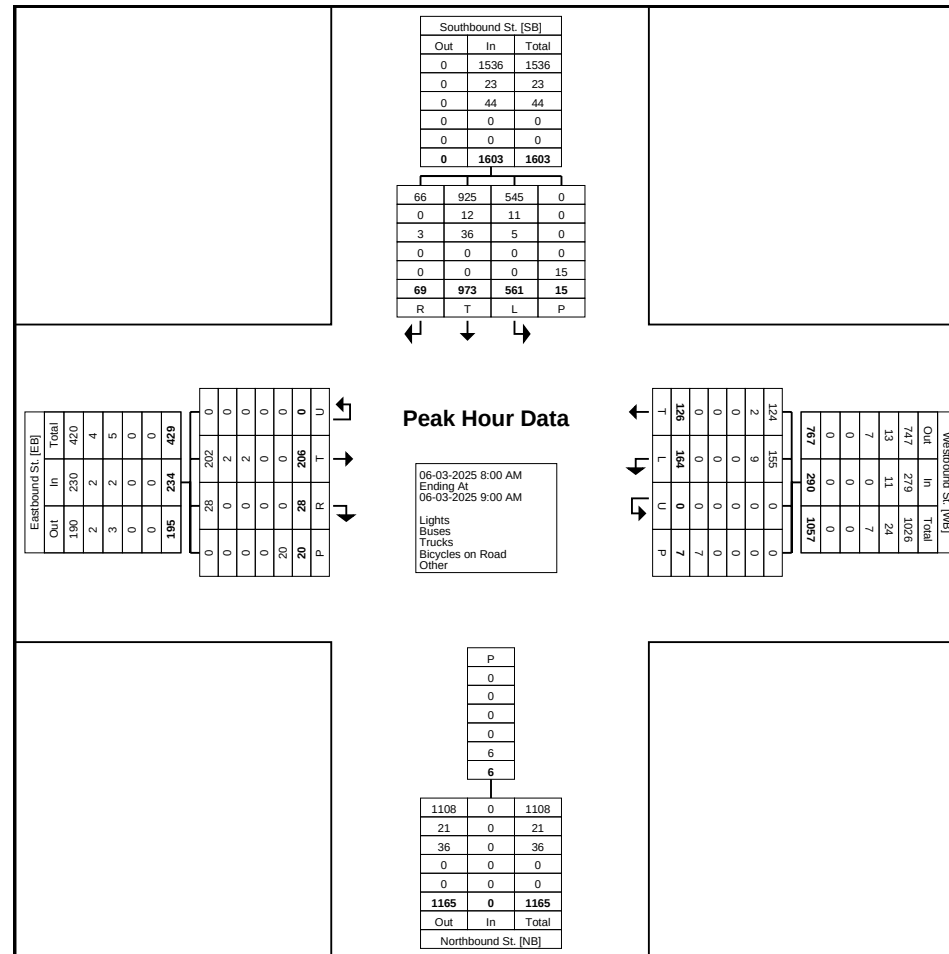
Start Time	Southbound St. Southbound					Westbound St. Westbound					Northbound St. Northbound		Eastbound St. Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	
8:00 AM	179	244	9	5	432	26	30	0	0	56	0	0	64	7	0	2	71	559
8:15 AM	162	252	20	3	434	48	41	0	0	89	2	0	56	8	0	6	64	587
8:30 AM	124	264	18	3	406	53	33	0	2	86	4	0	45	8	0	6	53	545
8:45 AM	96	213	22	4	331	37	22	0	5	59	0	0	41	5	0	6	46	436
Total	561	973	69	15	1603	164	126	0	7	290	6	0	206	28	0	20	234	2127
Approach %	35.0	60.7	4.3	-	-	56.6	43.4	0.0	-	-	-	-	88.0	12.0	0.0	-	-	-
Total %	26.4	45.7	3.2	-	75.4	7.7	5.9	0.0	-	13.6	-	0.0	9.7	1.3	0.0	-	11.0	-
PHF	0.784	0.921	0.784	-	0.923	0.774	0.768	0.000	-	0.815	-	0.000	0.805	0.875	0.000	-	0.824	0.906
Lights	545	925	66	-	1536	155	124	0	-	279	-	0	202	28	0	-	230	2045
% Lights	97.1	95.1	95.7	-	95.8	94.5	98.4	-	-	96.2	-	-	98.1	100.0	-	-	98.3	96.1
Buses	11	12	0	-	23	9	2	0	-	11	-	0	2	0	0	-	2	36
% Buses	2.0	1.2	0.0	-	1.4	5.5	1.6	-	-	3.8	-	-	1.0	0.0	-	-	0.9	1.7
Trucks	5	36	3	-	44	0	0	0	-	0	-	0	2	0	0	-	2	46
% Trucks	0.9	3.7	4.3	-	2.7	0.0	0.0	-	-	0.0	-	-	1.0	0.0	-	-	0.9	2.2
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	-	2	-	-	-	-	0	-	1	-	-	-	-	4	-	-
% Bicycles on Crosswalk	-	-	-	13.3	-	-	-	-	0.0	-	16.7	-	-	-	-	20.0	-	-
Pedestrians	-	-	-	13	-	-	-	-	7	-	5	-	-	-	-	16	-	-
% Pedestrians	-	-	-	86.7	-	-	-	-	100.0	-	83.3	-	-	-	-	80.0	-	-



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Turning Movement Peak Hour Data (12:00 PM)

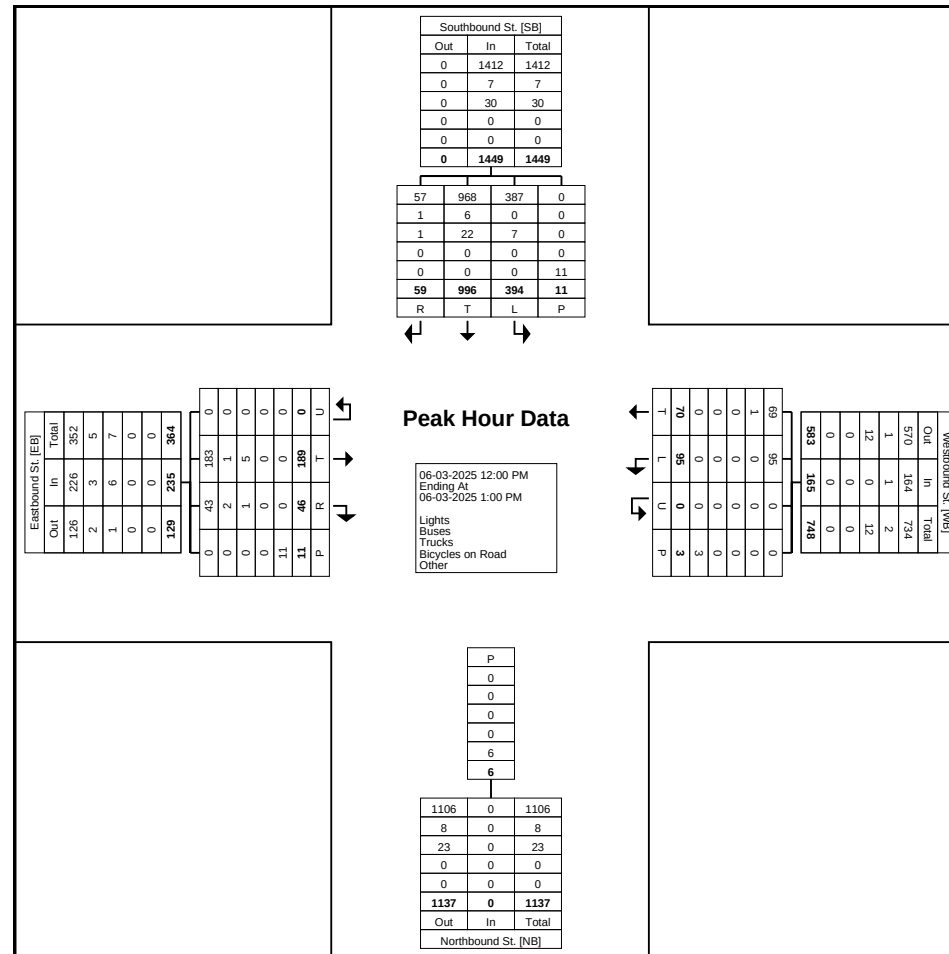
Start Time	Southbound St. Southbound					Westbound St. Westbound					Northbound St. Northbound		Eastbound St. Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	
12:00 PM	101	236	9	3	346	25	16	0	0	41	0	0	47	13	0	0	60	447
12:15 PM	100	247	15	3	362	23	18	0	0	41	0	0	37	13	0	0	50	453
12:30 PM	72	252	16	3	340	24	16	0	2	40	2	0	39	9	0	6	48	428
12:45 PM	121	261	19	2	401	23	20	0	1	43	4	0	66	11	0	5	77	521
Total	394	996	59	11	1449	95	70	0	3	165	6	0	189	46	0	11	235	1849
Approach %	27.2	68.7	4.1	-	-	57.6	42.4	0.0	-	-	-	-	80.4	19.6	0.0	-	-	-
Total %	21.3	53.9	3.2	-	78.4	5.1	3.8	0.0	-	8.9	-	0.0	10.2	2.5	0.0	-	12.7	-
PHF	0.814	0.954	0.776	-	0.903	0.950	0.875	0.000	-	0.959	-	0.000	0.716	0.885	0.000	-	0.763	0.887
Lights	387	968	57	-	1412	95	69	0	-	164	-	0	183	43	0	-	226	1802
% Lights	98.2	97.2	96.6	-	97.4	100.0	98.6	-	-	99.4	-	-	96.8	93.5	-	-	96.2	97.5
Buses	0	6	1	-	7	0	1	0	-	1	-	0	1	2	0	-	3	11
% Buses	0.0	0.6	1.7	-	0.5	0.0	1.4	-	-	0.6	-	-	0.5	4.3	-	-	1.3	0.6
Trucks	7	22	1	-	30	0	0	0	-	0	-	0	5	1	0	-	6	36
% Trucks	1.8	2.2	1.7	-	2.1	0.0	0.0	-	-	0.0	-	-	2.6	2.2	-	-	2.6	1.9
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	-	3	-	-	-	-	0	-	1	-	-	-	-	3	-	-
% Bicycles on Crosswalk	-	-	-	27.3	-	-	-	-	0.0	-	16.7	-	-	-	-	27.3	-	-
Pedestrians	-	-	-	8	-	-	-	-	3	-	5	-	-	-	-	8	-	-
% Pedestrians	-	-	-	72.7	-	-	-	-	100.0	-	83.3	-	-	-	-	72.7	-	-



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Turning Movement Peak Hour Data Plot (12:00 PM)



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Turning Movement Peak Hour Data (4:30 PM)

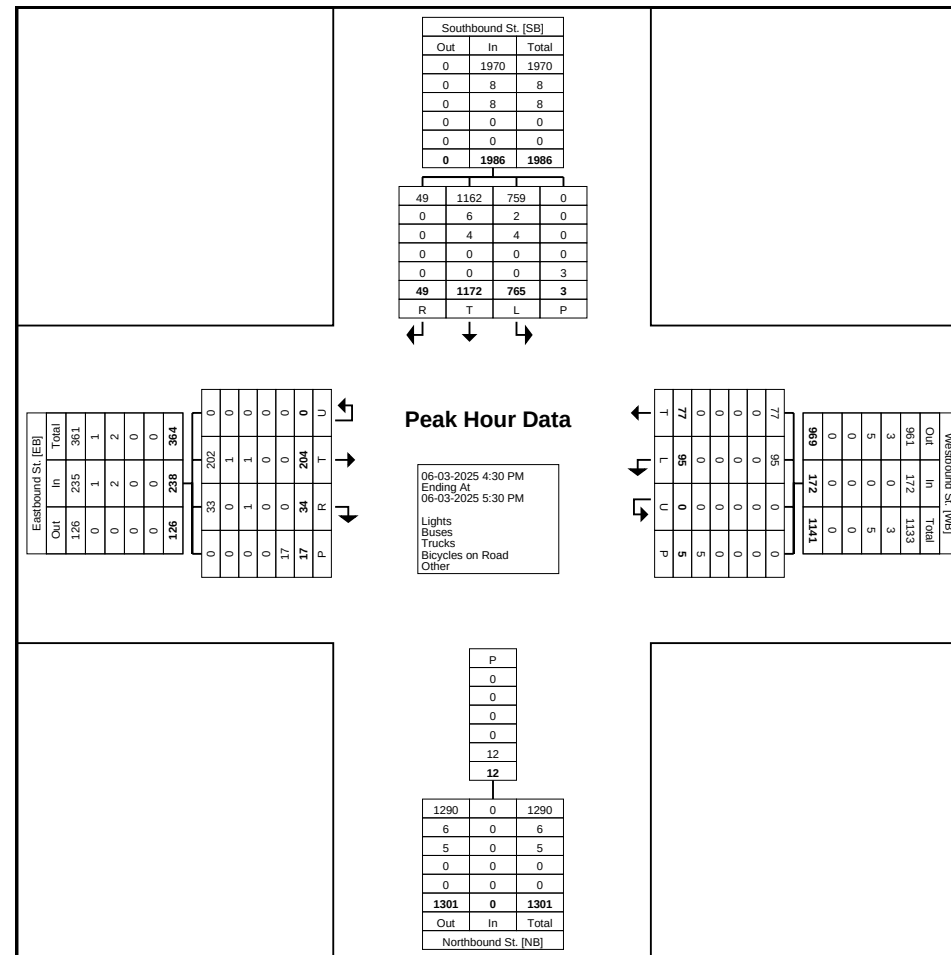
Start Time	Southbound St. Southbound					Westbound St. Westbound					Northbound St. Northbound		Eastbound St. Eastbound					Int. Total
	Left	Thru	Right	Peds	App. Total	Left	Thru	U-Turn	Peds	App. Total	Peds	App. Total	Thru	Right	U-Turn	Peds	App. Total	
4:30 PM	172	268	6	2	446	29	28	0	2	57	0	0	54	10	0	4	64	567
4:45 PM	198	291	19	1	508	20	20	0	0	40	9	0	58	7	0	7	65	613
5:00 PM	191	317	8	0	516	29	15	0	2	44	2	0	53	9	0	4	62	622
5:15 PM	204	296	16	0	516	17	14	0	1	31	1	0	39	8	0	2	47	594
Total	765	1172	49	3	1986	95	77	0	5	172	12	0	204	34	0	17	238	2396
Approach %	38.5	59.0	2.5	-	-	55.2	44.8	0.0	-	-	-	-	85.7	14.3	0.0	-	-	-
Total %	31.9	48.9	2.0	-	82.9	4.0	3.2	0.0	-	7.2	-	0.0	8.5	1.4	0.0	-	9.9	-
PHF	0.938	0.924	0.645	-	0.962	0.819	0.688	0.000	-	0.754	-	0.000	0.879	0.850	0.000	-	0.915	0.963
Lights	759	1162	49	-	1970	95	77	0	-	172	-	0	202	33	0	-	235	2377
% Lights	99.2	99.1	100.0	-	99.2	100.0	100.0	-	-	100.0	-	-	99.0	97.1	-	-	98.7	99.2
Buses	2	6	0	-	8	0	0	0	-	0	-	0	1	0	0	-	1	9
% Buses	0.3	0.5	0.0	-	0.4	0.0	0.0	-	-	0.0	-	-	0.5	0.0	-	-	0.4	0.4
Trucks	4	4	0	-	8	0	0	0	-	0	-	0	1	1	0	-	2	10
% Trucks	0.5	0.3	0.0	-	0.4	0.0	0.0	-	-	0.0	-	-	0.5	2.9	-	-	0.8	0.4
Bicycles on Road	0	0	0	-	0	0	0	0	-	0	-	0	0	0	0	-	0	0
% Bicycles on Road	0.0	0.0	0.0	-	0.0	0.0	0.0	-	-	0.0	-	-	0.0	0.0	-	-	0.0	0.0
Bicycles on Crosswalk	-	-	-	1	-	-	-	-	1	-	2	-	-	-	-	7	-	-
% Bicycles on Crosswalk	-	-	-	33.3	-	-	-	-	20.0	-	16.7	-	-	-	-	41.2	-	-
Pedestrians	-	-	-	2	-	-	-	-	4	-	10	-	-	-	-	10	-	-
% Pedestrians	-	-	-	66.7	-	-	-	-	80.0	-	83.3	-	-	-	-	58.8	-	-



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