

Alliant Engineering, Inc.

233 Park Ave Suite 300
Minneapolis, MN 55415

--TRAFFIC DATA--

Douglas Avenue and Olson Service Road
Ref.Pt.: 186.068
data by : Alliant Inc.
TURN MOVEMENT COUNT

File Name : 581_Douglas Ave & Olson Service Rd
Site Code : 581_____
Start Date : 2/15/2018
Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	Douglas Ave From North					Olson Service Rd From East					Douglas Ave From South					Olson Service Rd From West					Int. Total
	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
06:00 AM	0	0	15	1	16	0	0	0	12	12	0	20	13	0	33	0	0	0	0	0	61
06:15 AM	0	0	26	1	27	0	0	0	4	4	0	13	27	0	40	0	0	0	0	0	71
06:30 AM	0	0	33	0	33	1	0	0	2	3	0	32	30	1	63	0	1	0	0	1	100
06:45 AM	0	0	40	2	42	0	0	0	3	3	0	31	45	0	76	0	0	0	0	0	121
Total	0	0	114	4	118	1	0	0	21	22	0	96	115	1	212	0	1	0	0	1	353
07:00 AM	1	0	41	5	47	1	0	0	1	2	0	34	38	0	72	0	0	0	0	0	121
07:15 AM	0	0	66	4	70	0	0	0	5	5	0	24	26	0	50	0	0	0	0	0	125
07:30 AM	0	0	72	4	76	0	3	0	7	10	0	30	32	1	63	0	0	0	1	1	150
07:45 AM	0	0	93	6	99	1	2	0	5	8	0	47	53	0	100	1	0	0	0	1	208
Total	1	0	272	19	292	2	5	0	18	25	0	135	149	1	285	1	0	0	1	2	604
08:00 AM	0	0	74	6	80	0	0	0	7	7	0	43	51	0	94	0	0	0	0	0	181
08:15 AM	0	0	63	5	68	0	4	0	11	15	0	43	59	0	102	0	1	0	0	1	186
08:30 AM	0	0	64	2	66	2	0	0	10	12	0	32	53	0	85	0	0	0	0	0	163
08:45 AM	0	1	48	5	54	0	1	0	12	13	0	30	55	0	85	0	0	0	1	1	153
Total	0	1	249	18	268	2	5	0	40	47	0	148	218	0	366	0	1	0	1	2	683
09:00 AM	0	1	34	2	37	0	2	0	11	13	0	19	32	2	53	0	2	0	0	2	105
09:15 AM	0	0	44	2	46	0	4	0	13	17	0	23	39	1	63	0	5	0	0	5	131
*** BREAK ***																					
Total	0	1	78	4	83	0	6	0	24	30	0	42	71	3	116	0	7	0	0	7	236
*** BREAK ***																					
10:30 AM	0	0	34	4	38	0	1	0	9	10	0	10	33	0	43	0	0	0	0	0	91
10:45 AM	0	0	33	5	38	0	3	0	0	3	0	13	33	0	46	0	0	0	0	0	87
Total	0	0	67	9	76	0	4	0	9	13	0	23	66	0	89	0	0	0	0	0	178
11:00 AM	0	0	39	2	41	0	6	0	21	27	0	12	31	0	43	0	0	0	0	0	111
11:15 AM	0	0	51	1	52	0	5	0	18	23	0	15	31	0	46	0	0	0	0	0	121
11:30 AM	0	0	42	1	43	0	2	1	21	24	0	12	37	0	49	0	0	0	1	1	117
11:45 AM	0	0	52	3	55	0	4	0	29	33	0	16	40	0	56	0	0	1	0	1	145
Total	0	0	184	7	191	0	17	1	89	107	0	55	139	0	194	0	0	1	1	2	494
12:00 PM	0	1	31	3	35	0	1	0	15	16	0	18	38	0	56	0	1	0	0	1	108
12:15 PM	0	0	43	1	44	0	2	0	14	16	0	16	38	0	54	0	0	0	1	1	115
12:30 PM	0	0	40	1	41	0	7	0	10	17	0	13	38	0	51	0	0	0	0	0	109
12:45 PM	0	0	48	6	54	0	4	0	16	20	0	22	43	0	65	1	0	0	0	1	140
Total	0	1	162	11	174	0	14	0	55	69	0	69	157	0	226	1	1	0	1	3	472
01:00 PM	0	0	25	4	29	0	1	0	18	19	0	22	41	0	63	0	0	0	0	0	111
01:15 PM	0	4	36	5	45	0	0	2	17	19	0	16	43	1	60	0	1	0	0	1	125
*** BREAK ***																					
Total	0	4	61	9	74	0	1	2	35	38	0	38	84	1	123	0	1	0	0	1	236
*** BREAK ***																					
02:30 PM	0	0	39	1	40	0	5	1	22	28	0	11	24	0	35	0	0	0	0	0	103
02:45 PM	0	0	32	4	36	0	3	0	16	19	0	16	54	0	70	0	0	0	0	0	125
Total	0	0	71	5	76	0	8	1	38	47	0	27	78	0	105	0	0	0	0	0	228
03:00 PM	0	2	50	2	54	0	5	0	33	38	0	12	36	1	49	0	0	0	0	0	141
03:15 PM	0	0	56	2	58	0	2	0	26	28	0	10	55	0	65	0	3	0	0	3	154
03:30 PM	1	0	39	6	46	0	6	0	25	31	1	12	39	0	52	1	0	0	0	1	130
03:45 PM	0	0	53	2	55	1	0	0	21	22	0	10	47	0	57	1	0	0	0	1	135
Total	1	2	198	12	213	1	13	0	105	119	1	44	177	1	223	2	3	0	0	5	560
04:00 PM	0	0	66	0	66	0	5	0	23	28	0	9	62	0	71	0	0	0	0	0	165
04:15 PM	0	1	33	1	35	1	3	0	22	26	0	4	74	0	78	2	1	0	0	3	142
04:30 PM	0	0	75	1	76	0	11	0	35	46	1	8	43	0	52	0	0	0	0	0	174

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	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	Other	Rght	Thru	Left	App. Total	
04:45 PM	1	1	53	0	55	0	6	0	27	33	1	10	61	0	72	1	1	0	0	2	162
Total	1	2	227	2	232	1	25	0	107	133	2	31	240	0	273	3	2	0	0	5	643
05:00 PM	0	0	55	1	56	0	7	0	34	41	0	5	84	0	89	0	0	0	0	0	186
05:15 PM	1	0	64	0	65	1	1	0	22	24	1	5	76	0	82	0	0	0	0	0	171
05:30 PM	1	0	46	1	48	1	3	0	24	28	2	5	80	0	87	3	0	0	0	3	166
05:45 PM	0	0	46	0	46	0	1	0	15	16	0	6	51	0	57	0	0	0	0	0	119
Total	2	0	211	2	215	2	12	0	95	109	3	21	291	0	315	3	0	0	0	3	642
Grand Total	5	11	1894	102	2012	9	110	4	636	759	6	729	1785	7	2527	10	16	1	4	31	5329
Apprch %	0.2	0.5	94.1	5.1		1.2	14.5	0.5	83.8		0.2	28.8	70.6	0.3		32.3	51.6	3.2	12.9		
Total %	0.1	0.2	35.5	1.9	37.8	0.2	2.1	0.1	11.9	14.2	0.1	13.7	33.5	0.1	47.4	0.2	0.3	0	0.1	0.6	
Class 1	4	10	1806	93	1913	6	103	4	573	686	4	653	1691	7	2355	5	16	1	3	25	4979
% Class 1	80	90.9	95.4	91.2	95.1	66.7	93.6	100	90.1	90.4	66.7	89.6	94.7	100	93.2	50	100	100	75	80.6	93.4
Class 2	1	1	88	9	99	3	7	0	63	73	2	76	94	0	172	5	0	0	1	6	350
% Class 2	20	9.1	4.6	8.8	4.9	33.3	6.4	0	9.9	9.6	33.3	10.4	5.3	0	6.8	50	0	0	25	19.4	6.6

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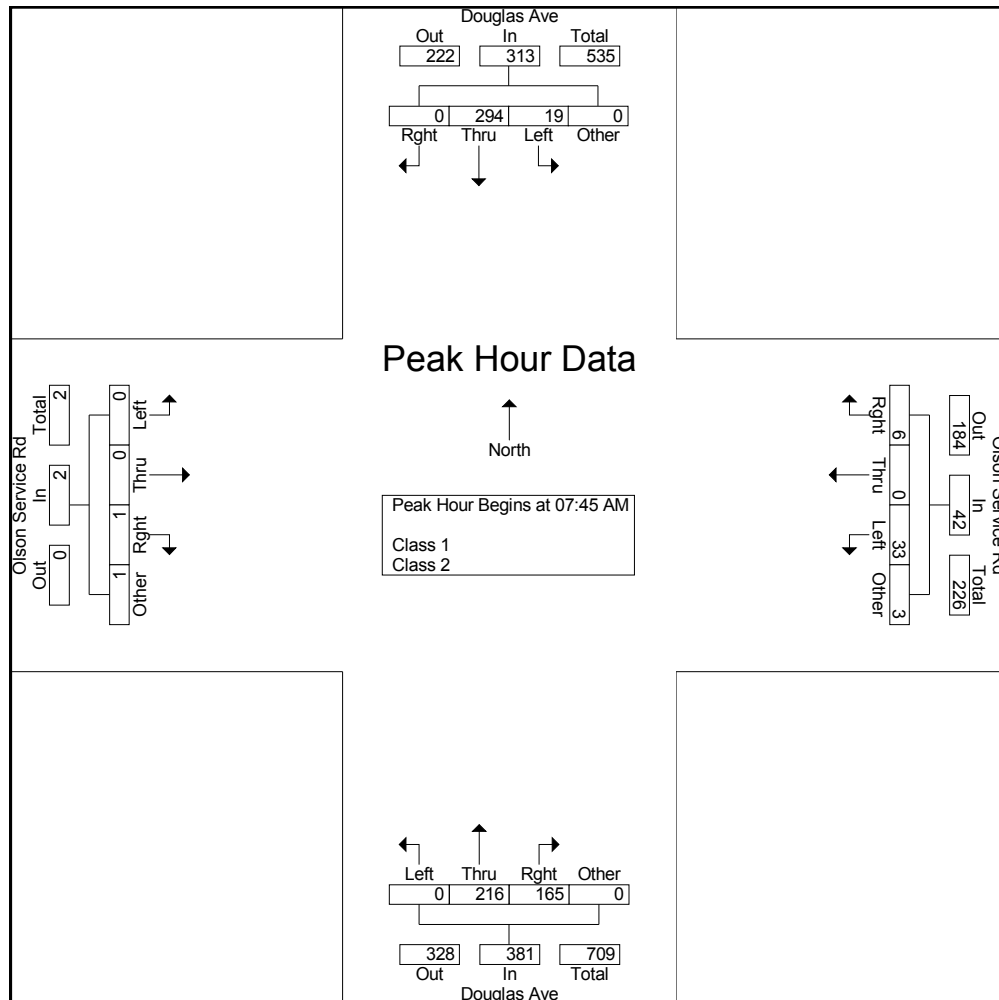
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	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	Other	Right	Thru	Left	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:45 AM																					
07:45 AM	0	0	93	6	99	1	2	0	5	8	0	47	53	0	100	1	0	0	0	1	208
08:00 AM	0	0	74	6	80	0	0	0	7	7	0	43	51	0	94	0	0	0	0	0	181
08:15 AM	0	0	63	5	68	0	4	0	11	15	0	43	59	0	102	0	1	0	0	1	186
08:30 AM	0	0	64	2	66	2	0	0	10	12	0	32	53	0	85	0	0	0	0	0	163
Total Volume	0	0	294	19	313	3	6	0	33	42	0	165	216	0	381	1	1	0	0	2	738
% App. Total	0	0	93.9	6.1		7.1	14.3	0	78.6		0	43.3	56.7	0		50	50	0	0		
PHF	.000	.000	.790	.792	.790	.375	.375	.000	.750	.700	.000	.878	.915	.000	.934	.250	.250	.000	.000	.500	.887



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	Other	Rgh t	Thru	Left	App. Total	Other	Rgh t	Thru	Left	App. Total	Other	Rgh t	Thru	Left	App. Total	Other	Rgh t	Thru	Left	App. Total	
Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:30 PM																					
04:30 PM	0	0	75	1	76	0	11	0	35	46	1	8	43	0	52	0	0	0	0	0	174
04:45 PM	1	1	53	0	55	0	6	0	27	33	1	10	61	0	72	1	1	0	0	2	162
05:00 PM	0	0	55	1	56	0	7	0	34	41	0	5	84	0	89	0	0	0	0	0	186
05:15 PM	1	0	64	0	65	1	1	0	22	24	1	5	76	0	82	0	0	0	0	0	171
Total Volume	2	1	247	2	252	1	25	0	118	144	3	28	264	0	295	1	1	0	0	2	693
% App. Total	0.8	0.4	98	0.8		0.7	17.4	0	81.9		1	9.5	89.5	0		50	50	0	0		
PHF	.500	.250	.823	.500	.829	.250	.568	.000	.843	.783	.750	.700	.786	.000	.829	.250	.250	.000	.000	.250	.931

