

Alliant Engineering, Inc.  
733 S Marquette Ave #700, Minneapolis, MN 55402

716 TH 120 & Woodland Drwy/Elm  
Ref.Pt: 008+00.996  
data by: Alliant Inc  
TURN MOVEMENT COUNT

File Name : 716\_TH 120 & Woodland Driveway-Elm  
Site Code : 1736389  
Start Date : 4/17/2019  
Page No : 1

Groups Printed- Class 1 - Class 2

Start Time	TH 120 From North					Woodland Dr From East					TH 120 From South					Century College Ent From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
06:00 AM	0	76	3	0	79	1	0	9	0	10	1	23	0	0	24	1	0	0	0	1	114
06:15 AM	1	83	0	0	84	1	0	10	0	11	1	24	0	0	25	1	0	0	0	1	121
06:30 AM	0	122	1	0	123	1	0	19	0	20	1	22	0	0	23	0	0	0	0	0	166
06:45 AM	4	109	2	1	116	3	0	11	0	14	1	42	1	0	44	0	0	0	0	0	174
Total	5	390	6	1	402	6	0	49	0	55	4	111	1	0	116	2	0	0	0	2	575
07:00 AM	5	132	2	0	139	3	0	16	0	19	2	53	2	0	57	1	0	1	0	2	217
07:15 AM	7	134	3	0	144	4	0	16	0	20	4	61	5	0	70	1	0	1	0	2	236
07:30 AM	6	153	1	0	160	6	0	14	0	20	3	82	4	0	89	0	0	0	0	0	269
07:45 AM	15	147	4	0	166	10	0	10	0	20	0	66	6	0	72	0	0	2	0	2	260
Total	33	566	10	0	609	23	0	56	0	79	9	262	17	0	288	2	0	4	0	6	982
08:00 AM	11	128	2	0	141	6	0	19	0	25	4	74	4	0	82	2	0	2	0	4	252
08:15 AM	15	97	2	0	114	2	0	8	0	10	6	60	5	0	71	1	0	1	0	2	197
08:30 AM	25	123	7	0	155	8	0	18	0	26	4	68	9	0	81	6	0	3	0	9	271
08:45 AM	18	128	1	0	147	9	0	7	0	16	4	84	26	0	114	2	0	6	0	8	285
Total	69	476	12	0	557	25	0	52	0	77	18	286	44	0	348	11	0	12	0	23	1005
09:00 AM	18	101	1	0	120	3	0	11	0	14	3	90	9	0	102	1	0	2	0	3	239
09:15 AM	12	95	3	0	110	4	0	7	0	11	1	90	3	0	94	2	0	2	0	4	219
*** BREAK ***																					
Total	30	196	4	0	230	7	0	18	0	25	4	180	12	0	196	3	0	4	0	7	458
*** BREAK ***																					
10:30 AM	17	84	4	0	105	1	0	11	0	12	10	64	12	0	86	5	0	5	0	10	213
10:45 AM	24	70	2	0	96	0	0	4	0	4	7	99	29	0	135	27	0	30	0	57	292
Total	41	154	6	0	201	1	0	15	0	16	17	163	41	0	221	32	0	35	0	67	505
11:00 AM	6	76	4	0	86	5	0	3	0	8	9	93	11	0	113	6	0	10	0	16	223
11:15 AM	5	75	4	0	84	6	0	10	0	16	6	80	3	0	89	5	0	5	0	10	199
11:30 AM	9	99	4	0	112	5	0	7	0	12	6	102	4	0	112	11	0	8	0	19	255
11:45 AM	12	84	4	0	100	4	0	4	0	8	5	114	7	0	126	37	2	34	0	73	307
Total	32	334	16	0	382	20	0	24	0	44	26	389	25	0	440	59	2	57	0	118	984
12:00 PM	9	72	2	1	84	4	0	5	0	9	6	86	4	0	96	17	1	20	0	38	227
12:15 PM	9	84	2	0	95	5	0	9	0	14	5	83	4	0	92	7	0	3	0	10	211
12:30 PM	9	105	5	0	119	4	0	4	0	8	5	78	3	0	86	8	0	10	0	18	231
12:45 PM	19	88	4	0	111	2	0	2	0	4	8	110	4	0	122	10	0	16	0	26	263
Total	46	349	13	1	409	15	0	20	0	35	24	357	15	0	396	42	1	49	0	92	932
01:00 PM	9	73	5	0	87	1	1	7	0	9	6	82	0	0	88	21	0	26	0	47	231
01:15 PM	8	63	5	0	76	2	0	10	0	12	6	87	2	0	95	2	0	5	0	7	190
*** BREAK ***																					
Total	17	136	10	0	163	3	1	17	0	21	12	169	2	0	183	23	0	31	0	54	421
*** BREAK ***																					
02:30 PM	2	86	3	0	91	3	0	5	0	8	5	102	1	0	108	4	0	6	0	10	217
02:45 PM	3	88	7	0	98	3	0	3	0	6	13	144	1	0	158	3	0	6	0	9	271
Total	5	174	10	0	189	6	0	8	0	14	18	246	2	0	266	7	0	12	0	19	488
03:00 PM	2	78	3	0	83	6	0	2	0	8	10	123	7	0	140	10	0	8	0	18	249
03:15 PM	1	87	2	1	91	5	0	7	0	12	12	132	0	0	144	3	0	9	0	12	259
03:30 PM	3	91	7	0	101	6	0	7	0	13	7	159	0	0	166	5	5	12	0	22	302
03:45 PM	3	99	9	0	111	6	0	4	0	10	9	159	1	0	169	7	0	9	0	16	306
Total	9	355	21	1	386	23	0	20	0	43	38	573	8	0	619	25	5	38	0	68	1116

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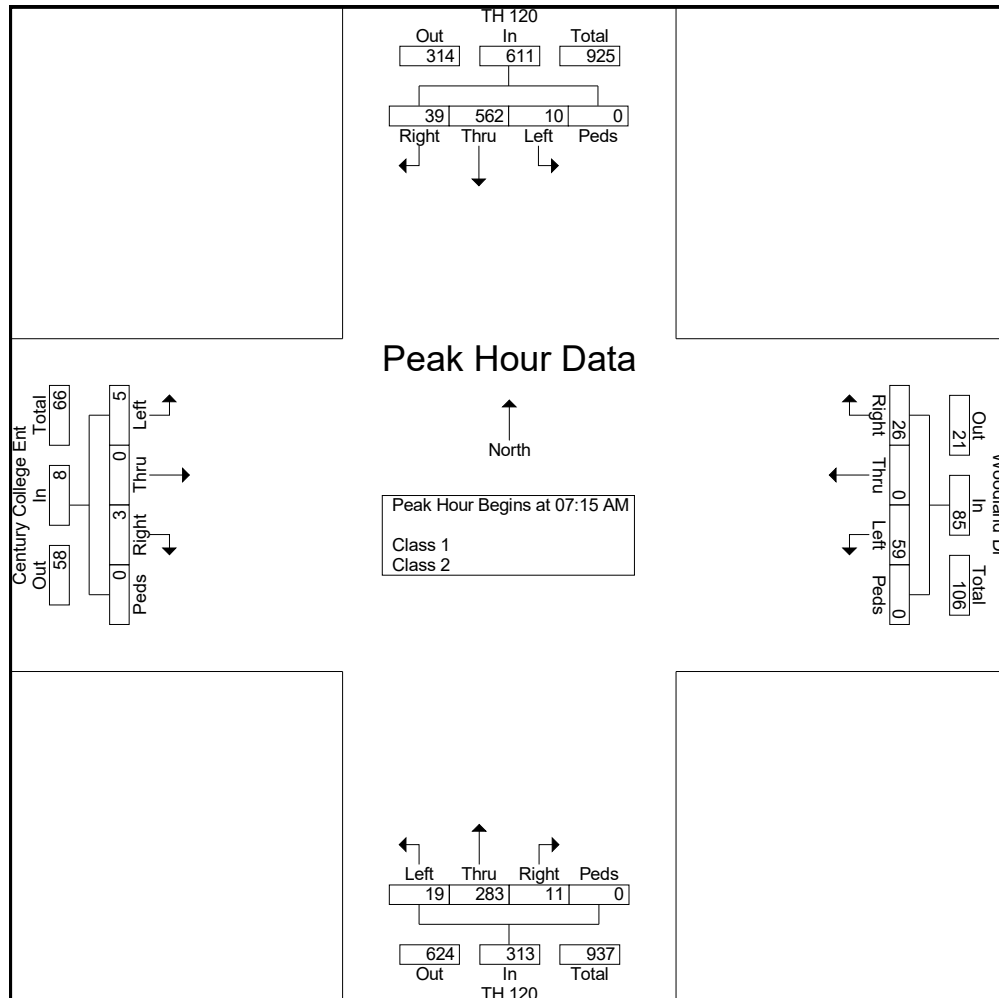
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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
04:00 PM	4	103	5	0	112	5	0	6	0	11	14	165	0	0	179	2	0	4	0	6	308
04:15 PM	3	94	4	0	101	9	0	6	0	15	9	158	1	0	168	3	0	5	0	8	292
04:30 PM	0	88	9	0	97	5	1	2	0	8	13	183	1	0	197	5	0	6	0	11	313
04:45 PM	6	94	7	0	107	3	0	8	0	11	11	162	1	0	174	6	0	10	0	16	308
Total	13	379	25	0	417	22	1	22	0	45	47	668	3	0	718	16	0	25	0	41	1221
05:00 PM	5	91	4	0	100	4	0	3	0	7	9	159	4	0	172	3	0	7	0	10	289
05:15 PM	5	86	7	0	98	4	0	7	0	11	11	153	0	0	164	1	0	6	0	7	280
05:30 PM	12	100	5	0	117	9	0	5	0	14	14	137	4	0	155	2	0	6	0	8	294
05:45 PM	19	94	2	0	115	3	0	13	0	16	18	155	2	0	175	3	1	6	0	10	316
Total	41	371	18	0	430	20	0	28	0	48	52	604	10	0	666	9	1	25	0	35	1179
Grand Total	341	3880	151	3	4375	171	2	329	0	502	269	4008	180	0	4457	231	9	292	0	532	9866
Apprch %	7.8	88.7	3.5	0.1		34.1	0.4	65.5	0		6	89.9	4	0		43.4	1.7	54.9	0		
Total %	3.5	39.3	1.5	0	44.3	1.7	0	3.3	0	5.1	2.7	40.6	1.8	0	45.2	2.3	0.1	3	0	5.4	
Class 1	335	3770	147	3	4255	169	2	326	0	497	264	3917	178	0	4359	229	9	288	0	526	9637
% Class 1	98.2	97.2	97.4	100	97.3	98.8	100	99.1	0	99	98.1	97.7	98.9	0	97.8	99.1	100	98.6	0	98.9	97.7
Class 2	6	110	4	0	120	2	0	3	0	5	5	91	2	0	98	2	0	4	0	6	229
% Class 2	1.8	2.8	2.6	0	2.7	1.2	0	0.9	0	1	1.9	2.3	1.1	0	2.2	0.9	0	1.4	0	1.1	2.3

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	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	7	134	3	0	144	4	0	16	0	20	4	61	5	0	70	1	0	1	0	2	236
07:30 AM	6	<b>153</b>	1	0	160	6	0	14	0	20	3	<b>82</b>	4	0	<b>89</b>	0	0	0	0	0	<b>269</b>
07:45 AM	<b>15</b>	147	<b>4</b>	0	<b>166</b>	<b>10</b>	0	10	0	20	0	66	<b>6</b>	0	72	0	0	<b>2</b>	0	2	260
08:00 AM	11	128	2	0	141	6	0	<b>19</b>	0	<b>25</b>	4	74	4	0	82	<b>2</b>	0	2	0	<b>4</b>	252
Total Volume	39	562	10	0	611	26	0	59	0	85	11	283	19	0	313	3	0	5	0	8	1017
% App. Total	6.4	92	1.6	0		30.6	0	69.4	0		3.5	90.4	6.1	0		37.5	0	62.5	0		
PHF	.650	.918	.625	.000	.920	.650	.000	.776	.000	.850	.688	.863	.792	.000	.879	.375	.000	.625	.000	.500	.945



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Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	4	103	5	0	112	5	0	6	0	11	14	165	0	0	179	2	0	4	0	6	308
04:15 PM	3	94	4	0	101	9	0	6	0	15	9	158	1	0	168	3	0	5	0	8	292
04:30 PM	0	88	9	0	97	5	1	2	0	8	13	183	1	0	197	5	0	6	0	11	313
04:45 PM	6	94	7	0	107	3	0	8	0	11	11	162	1	0	174	6	0	10	0	16	308
Total Volume	13	379	25	0	417	22	1	22	0	45	47	668	3	0	718	16	0	25	0	41	1221
% App. Total	3.1	90.9	6	0		48.9	2.2	48.9	0		6.5	93	0.4	0		39	0	61	0		
PHF	.542	.920	.694	.000	.931	.611	.250	.688	.000	.750	.839	.913	.750	.000	.911	.667	.000	.625	.000	.641	.975

