

**MINNESOTA DEPARTMENT OF TRANSPORTATION**  
**TRAFFIC DATA COLLECTION - Metro**

Bren Rd E and TH 169 West Ramp File Name : TMC\_#33 Bren Rd E & TH 169 W Ramp\_20180912  
 Data Prepared By: ACS Site Code :  
 TURNING MOVEMENT COUNT Start Date : 9/12/2018  
 Page No : 1

Groups Printed- Cars - Trucks

Start Time	Southbound					Westbound					Northbound					Eastbound					Int. Total
	U-Turn	Left	Thru	Right	Peds	U-Turn	Left	Thru	Right	Peds	U-Turn	Left	Thru	Right	Peds	U-Turn	Left	Thru	Right	Peds	
06:00	0	7	0	48	1	0	10	64	0	0	0	0	0	0	0	0	0	21	27	0	178
06:15	0	13	0	72	0	0	13	100	0	0	0	0	0	0	0	0	0	39	52	0	289
06:30	0	16	0	89	0	0	29	141	0	0	0	0	0	0	0	0	0	32	61	0	368
06:45	0	18	1	155	1	0	30	215	0	0	0	0	0	0	0	0	0	34	68	0	522
Total	0	54	1	364	2	0	82	520	0	0	0	0	0	0	0	0	0	126	208	0	1357
07:00	0	19	0	173	0	0	23	232	0	0	0	0	0	1	0	0	0	52	49	0	549
07:15	0	32	0	238	4	0	35	269	0	0	0	0	0	0	0	0	0	58	82	0	718
07:30	0	17	0	254	1	0	31	334	0	0	0	0	0	1	0	0	0	66	76	0	780
07:45	0	24	1	212	0	0	40	364	0	0	0	0	0	1	1	0	0	73	98	0	814
Total	0	92	1	877	5	0	129	1199	0	0	0	0	0	3	1	0	0	249	305	0	2861
08:00	0	28	1	243	1	0	44	420	0	0	0	0	0	0	0	0	0	83	90	0	910
08:15	0	50	0	244	3	0	37	360	0	0	0	0	0	1	0	0	0	61	83	0	839
08:30	0	28	0	215	2	0	17	287	0	0	0	0	0	0	0	0	0	57	80	0	686
08:45	0	38	0	174	2	0	39	299	0	0	0	0	0	0	0	0	0	61	78	0	691
Total	0	144	1	876	8	0	137	1366	0	0	0	0	0	1	0	0	0	262	331	0	3126
*** BREAK ***																					
11:00	0	13	0	27	1	0	39	64	0	0	0	0	0	0	0	0	0	89	86	0	319
11:15	0	10	0	42	2	0	44	72	0	0	0	0	0	0	0	0	0	83	102	0	355
11:30	0	25	0	47	3	0	39	83	0	0	0	0	0	1	0	0	0	106	106	0	410
11:45	0	15	0	59	2	0	34	98	0	0	0	0	0	1	0	0	0	102	89	0	400
Total	0	63	0	175	8	0	156	317	0	0	0	0	0	2	0	0	0	380	383	0	1484
12:00	0	23	5	51	5	0	40	103	0	0	0	0	0	1	0	0	0	87	103	0	418
12:15	0	24	0	59	5	0	37	101	0	0	0	0	0	0	0	0	0	104	84	0	414
12:30	0	24	1	55	4	0	41	110	0	0	0	0	0	1	0	0	0	66	99	0	401
12:45	0	31	0	60	9	0	39	114	0	0	0	0	0	2	0	0	0	75	80	0	410
Total	0	102	6	225	23	0	157	428	0	0	0	0	0	4	0	0	0	332	366	0	1643
*** BREAK ***																					
15:00	0	8	2	50	4	0	33	83	0	0	0	0	0	0	0	0	0	162	175	0	517
15:15	0	19	0	48	2	0	35	77	0	0	0	0	0	0	0	0	0	169	171	0	521
15:30	0	15	0	38	1	0	55	84	0	0	0	0	0	0	0	0	0	223	219	0	635
15:45	0	20	0	48	0	0	42	93	0	0	0	0	0	0	1	0	0	186	188	0	578
Total	0	62	2	184	7	0	165	337	0	0	0	0	0	0	1	0	0	740	753	0	2251
16:00	0	12	0	44	4	0	40	86	0	0	0	0	0	0	0	0	0	310	329	0	825
16:15	0	25	0	48	0	0	33	102	0	0	0	0	0	1	0	0	0	294	252	0	755
16:30	0	27	0	52	1	0	64	83	0	0	0	0	0	0	0	0	0	321	312	0	860
16:45	0	25	0	39	3	0	33	93	0	0	0	0	0	3	1	0	0	284	227	0	708
Total	0	89	0	183	8	0	170	364	0	0	0	0	0	4	1	0	0	1209	1120	0	3148
17:00	0	24	0	51	6	0	34	130	0	0	0	0	0	0	0	0	0	338	264	0	847
17:15	0	24	0	50	3	0	36	95	0	0	0	0	0	1	0	0	0	241	236	0	686

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 Page No : 2

Groups Printed- Cars - Trucks

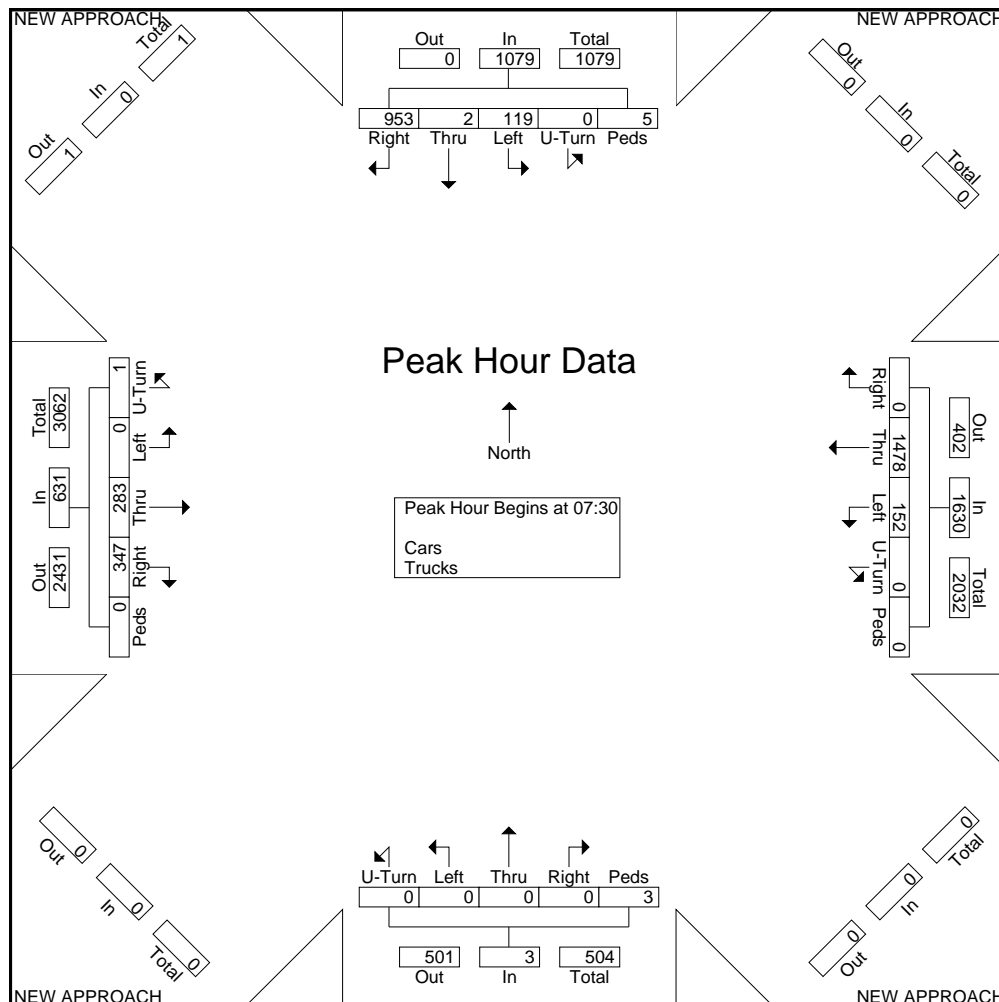
Start Time	Southbound					Westbound					Northbound					Eastbound					Int. Total
	U-Turn	Left	Thru	Right	Peds	U-Turn	Left	Thru	Right	Peds	U-Turn	Left	Thru	Right	Peds	U-Turn	Left	Thru	Right	Peds	
17:30	0	26	0	47	9	0	26	108	0	0	0	0	0	0	0	0	0	220	186	0	622
17:45	0	24	0	38	1	0	28	94	0	0	0	0	0	0	0	0	0	147	163	0	495
Total	0	98	0	186	19	0	124	427	0	0	0	0	0	0	1	0	0	946	849	0	2650
Grand Total	0	704	11	3070	80	0	1120	4958	0	0	0	0	0	15	3	0	4244	4315	0	18520	
Apprch %	0	18.2	0.3	79.4	2.1	0	18.4	81.6	0	0	0	0	0	100	0	0	49.6	50.4	0		
Total %	0	3.8	0.1	16.6	0.4	0	6	26.8	0	0	0	0	0	0.1	0	0	22.9	23.3	0		
Cars	0	683	11	2996	80	0	1086	4821	0	0	0	0	15	3	0	4149	4148	0	17992		
% Cars	0	97	100	97.6	100	0	97	97.2	0	0	0	0	100	100	0	97.8	96.1	0	97.1		
Trucks	0	21	0	74	0	0	34	137	0	0	0	0	0	0	0	0	95	167	0	528	
% Trucks	0	3	0	2.4	0	0	3	2.8	0	0	0	0	0	0	0	0	2.2	3.9	0	2.9	

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Start Time	Southbound					Westbound					Northbound					Eastbound					Int. Total				
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left		Thru	Right	Peds	App. Total
Peak Hour Analysis From 06:00 to 08:45 - Peak 1 of 1																									
Peak Hour for Entire Intersection Begins at 07:30																									
07:30	0	17	0	254	1	272	0	31	334	0	0	365	0	0	0	0	1	1	0	0	66	76	0	142	780
07:45	0	24	1	212	0	237	0	40	364	0	0	404	0	0	0	0	1	1	1	0	73	98	0	172	814
08:00	0	28	1	243	1	273	0	44	420	0	0	464	0	0	0	0	0	0	0	0	83	90	0	173	910
08:15	0	50	0	244	3	297	0	37	360	0	0	397	0	0	0	0	1	1	0	0	61	83	0	144	839
Total Volume	0	119	2	953	5	1079	0	152	1478	0	0	1630	0	0	0	0	3	3	1	0	283	347	0	631	3343
% App. Total	0	11	0.2	88.3	0.5		0	9.3	90.7	0	0		0	0	0	0	100		0.2	0	44.8	55	0		
PHF	.000	.595	.500	.938	.417	.908	.000	.864	.880	.000	.000	.878	.000	.000	.000	.000	.750	.750	.250	.000	.852	.885	.000	.912	.918

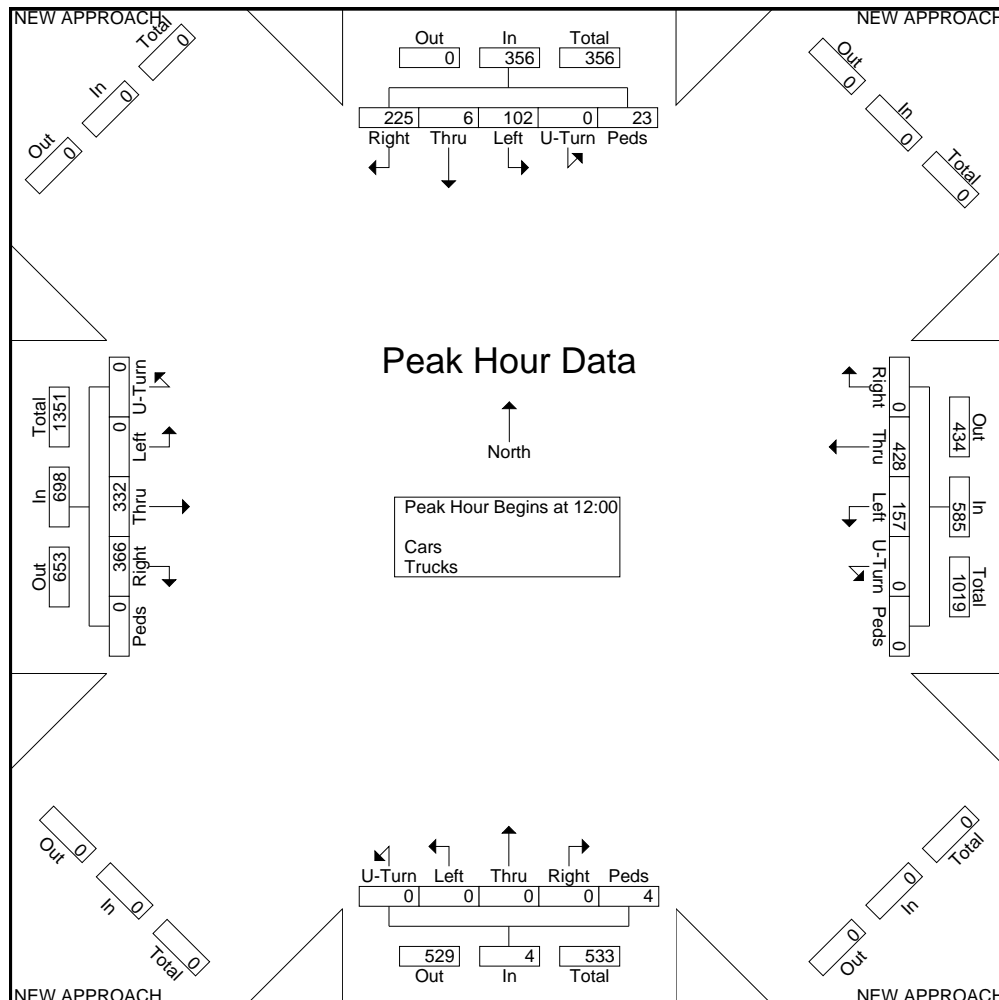


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Start Time	Southbound						Westbound						Northbound						Eastbound						Int. Total	
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 11:00 to 12:45 - Peak 1 of 1																										
Peak Hour for Entire Intersection Begins at 12:00																										
12:00	0	23	5	51	5	84	0	40	103	0	0	143	0	0	0	0	1	1	0	0	87	103	0	190	418	
12:15	0	24	0	59	5	88	0	37	101	0	0	138	0	0	0	0	0	0	0	0	104	84	0	188	414	
12:30	0	24	1	55	4	84	0	41	110	0	0	151	0	0	0	0	1	1	0	0	66	99	0	165	401	
12:45	0	31	0	60	9	100	0	39	114	0	0	153	0	0	0	0	2	2	0	0	75	80	0	155	410	
Total Volume	0	102	6	225	23	356	0	157	428	0	0	585	0	0	0	0	4	4	0	0	332	366	0	698	1643	
% App. Total	0	28.7	1.7	63.2	6.5		0	26.8	73.2	0	0		0	0	0	0	100		0	0	47.6	52.4	0			
PHF	.000	.823	.300	.938	.639	.890	.000	.957	.939	.000	.000	.956	.000	.000	.000	.000	.500	.500	.000	.000	.798	.888	.000	.918	.983	



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 Data Prepared By: ACS Site Code :  
 TURNING MOVEMENT COUNT Start Date : 9/12/2018  
 Page No : 5

Start Time	Southbound						Westbound						Northbound						Eastbound						Int. Total	
	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total	U-Turn	Left	Thru	Right	Peds	App. Total		
Peak Hour Analysis From 15:00 to 17:45 - Peak 1 of 1																										
Peak Hour for Entire Intersection Begins at 16:15																										
16:15	0	25	0	48	0	73	0	33	102	0	0	135	0	0	0	0	1	1	0	0	294	252	0	546	755	
16:30	0	27	0	52	1	80	0	64	83	0	0	147	0	0	0	0	0	0	0	0	321	312	0	633	860	
16:45	0	25	0	39	3	67	0	33	93	0	0	126	0	0	0	0	3	3	1	0	284	227	0	512	708	
17:00	0	24	0	51	6	81	0	34	130	0	0	164	0	0	0	0	0	0	0	0	338	264	0	602	847	
Total Volume	0	101	0	190	10	301	0	164	408	0	0	572	0	0	0	0	4	4	1	0	1237	1055	0	2293	3170	
% App. Total	0	33.6	0	63.1	3.3		0	28.7	71.3	0	0		0	0	0	0	100		0	0	53.9	46	0			
PHF	.000	.935	.000	.913	.417	.929	.000	.641	.785	.000	.000	.872	.000	.000	.000	.000	.333	.333	.250	.000	.915	.845	.000	.906	.922	

