

Intersection Traffic Counts

Intersection: Bren Rd E & TH-169 E Ramp

Start Date: Wed, Sep 12, 2018

Duration: 6-9,11-13,15-18:00

Prepared by: Associated Consulting Services LLC

www.acsteam.com

(612) 568-3227

All Vehicles (6-9,11-13,15-18:00) at Bren Rd E & TH-169 E Ramp																										
Start Time	TH-169 E Ramp North Leg (Southbound)						Bren Rd E East Leg (Westbound)						TH-169 E Ramp South Leg (Northbound)						Bren Rd E West Leg (Eastbound)						15-min Veh Total	15-min Ped* Total
	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*		
6:00	-	-	-	-	-	-	-	-	6	7	13	-	-	73	-	15	88	-	-	18	10	-	28	-	129	-
6:15	-	-	-	-	-	-	-	-	19	6	25	-	-	93	-	32	125	-	-	31	21	-	52	-	202	-
6:30	-	-	-	-	-	-	-	-	23	15	38	-	-	147	-	22	169	-	-	27	25	-	52	-	259	-
6:45	-	-	-	-	-	1	-	-	34	16	50	-	-	208	-	38	246	-	-	24	26	-	50	-	346	1
7:00	-	-	-	-	-	-	-	-	32	20	52	-	-	223	-	42	265	-	1	39	34	-	74	-	391	-
7:15	-	-	-	-	-	4	1	-	56	22	79	3	-	248	-	41	289	-	-	37	44	-	81	-	449	7
7:30	-	-	-	-	-	1	-	-	63	30	93	-	-	309	-	39	348	1	-	55	36	-	91	-	532	2
7:45	-	-	-	-	-	-	-	-	90	21	111	-	-	327	-	43	370	1	1	40	47	-	88	-	569	1
8:00	-	-	-	-	-	1	-	-	79	26	105	-	-	375	-	61	436	-	-	57	61	-	118	-	659	1
8:15	-	-	-	-	-	3	-	-	77	21	98	-	-	312	-	57	369	1	1	47	61	-	109	-	576	4
8:30	-	-	-	-	-	1	-	-	55	20	75	-	-	258	-	49	307	-	-	38	47	-	85	-	467	1
8:45	-	-	-	-	-	2	-	-	51	16	67	-	-	283	-	72	355	-	1	36	60	-	97	-	519	2
9:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00	-	-	-	-	-	-	-	-	39	26	65	-	-	50	-	14	64	-	-	48	28	-	76	-	205	-
11:15	-	-	-	-	-	1	-	-	44	19	63	1	-	53	-	25	78	3	-	49	40	-	89	-	230	5
11:30	-	-	-	-	-	-	-	-	47	29	76	-	-	52	-	27	79	-	-	76	44	-	120	-	275	-
11:45	-	-	-	-	-	3	-	-	35	14	49	-	-	60	-	25	85	1	-	66	43	-	109	-	243	4
12:00	-	-	-	-	-	3	1	-	64	36	101	1	-	71	-	32	103	1	1	67	50	-	118	-	322	5
12:15	-	-	-	-	-	1	-	-	57	24	81	1	-	69	-	24	93	-	-	57	51	-	108	-	282	2
12:30	-	-	-	-	-	3	-	-	52	29	81	3	-	72	-	35	107	1	1	62	38	-	101	-	289	7
12:45	-	-	-	-	-	3	-	-	47	24	71	1	-	78	-	38	116	-	-	53	49	-	102	-	289	4
13:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15:00	-	-	-	-	-	4	-	-	35	17	52	1	-	82	2	41	125	-	-	129	30	-	159	-	336	5
15:15	-	-	-	-	-	1	-	-	32	18	50	-	-	79	2	39	120	-	-	135	53	-	188	-	358	1
15:30	-	-	-	-	-	2	-	-	66	35	101	-	-	80	-	30	110	-	-	182	55	-	237	-	448	2
15:45	-	-	-	-	-	-	-	-	48	22	70	-	-	82	-	29	111	-	-	147	58	-	205	-	386	-
16:00	-	-	-	-	-	4	-	-	48	27	75	1	-	82	1	29	112	-	-	225	82	-	307	-	494	5
16:15	-	-	-	-	-	-	-	-	44	17	61	-	-	85	1	31	117	1	3	211	110	-	324	-	502	1
16:30	-	-	-	-	-	2	-	-	75	37	112	-	-	66	1	20	87	-	1	212	103	-	316	-	515	2
16:45	-	-	-	-	-	2	-	-	46	15	61	-	-	85	-	31	116	2	-	216	106	-	322	-	499	4
17:00	-	-	-	-	-	4	-	-	55	29	84	-	-	110	2	30	142	2	2	210	147	-	359	-	585	6
17:15	-	-	-	-	-	2	-	-	43	27	70	-	-	86	1	18	105	1	1	157	114	-	272	-	447	3
17:30	-	-	-	-	-	9	-	-	43	20	63	-	-	92	-	33	125	-	-	156	92	-	248	-	436	9
17:45	-	-	-	-	-	2	-	-	30	17	47	-	-	87	1	42	130	2	-	111	61	-	172	-	349	4
Total	-	-	-	-	-	59	2	-	1535	702	2239	12	-	4377	11	1104	5492	17	13	3018	1826	-	4857	-	12588	88
% App	-	-	-	-	-	-	0%	-	69%	31%	100%	-	-	80%	0%	20%	100%	-	0%	62%	38%	-	100%	-	-	-
% Total	-	-	-	-	-	67%	0%	-	12%	6%	18%	14%	-	35%	0%	9%	44%	19%	0%	24%	15%	-	39%	-	100%	100%
Passenger Vehicles	-	-	-	-	-	-	2	-	1502	687	2191	-	-	4251	10	1073	5334	-	13	2943	1800	-	4756	-	12281	-
Passenger Vehicles %	-	-	-	-	-	-	100%	-	98%	98%	98%	-	-	97%	91%	97%	97%	-	100%	98%	99%	-	98%	-	98%	-
HC Vehicles	-	-	-	-	-	-	-	-	33	15	48	-	-	126	1	31	158	-	-	75	26	-	101	-	307	-
HC Vehicles %	-	-	-	-	-	-	-	-	2%	2%	2%	-	-	3%	9%	3%	3%	-	-	2%	1%	-	2%	-	2%	-

U = U-Turn, L = Left, T = Thru, R = Right, App = Approach Total
 Ped* = pedestrians and bicyclists on crosswalk
 % App = percentage of specific movement total in relation to its approach total
 % Total = percentage of specific movement total in relation to its intersection total
 Passenger Vehicles % = percentage of passenger vehicle total in a specific movement
 HC Vehicles % = percentage of heavy commercial vehicle total in a specific movement
 dash (-) in the table indicates zero or not applicable

Intersection Traffic Counts

Intersection: Bren Rd E & TH-169 E Ramp

Start Date: Wed, Sep 12, 2018

Duration: 6-9,11-13,15-18:00

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All Vehicles_AM Peak (7:30AM-8:30AM) at Bren Rd E & TH-169 E Ramp																										
Start Time	TH-169 E Ramp North Leg (Southbound)						Bren Rd E East Leg (Westbound)						TH-169 E Ramp South Leg (Northbound)						Bren Rd E West Leg (Eastbound)						15-min Veh Total	15-min Ped* Total
	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*		
7:30	-	-	-	-	-	1	-	-	63	30	93	-	-	309	-	39	348	1	-	55	36	-	91	-	532	2
7:45	-	-	-	-	-	-	-	-	90	21	111	-	-	327	-	43	370	1	1	40	47	-	88	-	569	1
8:00	-	-	-	-	-	1	-	-	79	26	105	-	-	375	-	61	436	-	-	57	61	-	118	-	659	1
8:15	-	-	-	-	-	3	-	-	77	21	98	-	-	312	-	57	369	1	1	47	61	-	109	-	576	4
Total	-	-	-	-	-	5	-	-	309	98	407	-	-	1323	-	200	1523	3	2	199	205	-	406	-	2336	8
% App	-	-	-	-	-	-	-	-	76%	24%	100%	-	-	87%	-	13%	100%	-	0%	49%	50%	-	100%	-	-	-
% Total	-	-	-	-	-	63%	-	-	13%	4%	17%	-	-	57%	-	9%	65%	38%	0%	9%	9%	-	17%	-	100%	100%
PHF	-	-	-	-	-	-	-	-	0.858	0.817	0.917	-	-	0.882	-	0.820	0.873	-	0.500	0.873	0.840	-	0.860	-	0.886	-
Passenger Vehicles	-	-	-	-	-	-	-	-	307	96	403	-	-	1305	-	198	1503	-	2	186	199	-	387	-	2293	-
Passenger Vehicles %	-	-	-	-	-	-	-	-	99%	98%	99%	-	-	99%	-	99%	99%	-	100%	93%	97%	-	95%	-	98%	-
HC Vehicles	-	-	-	-	-	-	-	-	2	2	4	-	-	18	-	2	20	-	-	13	6	-	19	-	43	-
HC Vehicles %	-	-	-	-	-	-	-	-	1%	2%	1%	-	-	1%	-	1%	1%	-	-	7%	3%	-	5%	-	2%	-

All Vehicles_Midday Peak (12:00PM-1:00PM) at Bren Rd E & TH-169 E Ramp																										
Start Time	TH-169 E Ramp North Leg (Southbound)						Bren Rd E East Leg (Westbound)						TH-169 E Ramp South Leg (Northbound)						Bren Rd E West Leg (Eastbound)						15-min Veh Total	15-min Ped* Total
	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*		
12:00	-	-	-	-	-	3	1	-	64	36	101	1	-	71	-	32	103	1	1	67	50	-	118	-	322	5
12:15	-	-	-	-	-	1	-	-	57	24	81	1	-	69	-	24	93	-	-	57	51	-	108	-	282	2
12:30	-	-	-	-	-	3	-	-	52	29	81	3	-	72	-	35	107	1	1	62	38	-	101	-	289	7
12:45	-	-	-	-	-	3	-	-	47	24	71	1	-	78	-	38	116	-	-	53	49	-	102	-	289	4
Total	-	-	-	-	-	10	1	-	220	113	334	6	-	290	-	129	419	2	2	239	188	-	429	-	1182	18
% App	-	-	-	-	-	-	0%	-	66%	34%	100%	-	-	69%	-	31%	100%	-	0%	56%	44%	-	100%	-	-	-
% Total	-	-	-	-	-	56%	0%	-	19%	10%	28%	33%	-	25%	-	11%	35%	11%	0%	20%	16%	-	36%	-	100%	100%
PHF	-	-	-	-	-	-	0.250	-	0.859	0.785	0.827	-	-	0.929	-	0.849	0.903	-	0.500	0.892	0.922	-	0.909	-	0.918	-
Passenger Vehicles	-	-	-	-	-	-	1	-	211	110	322	-	-	268	-	124	392	-	2	225	185	-	412	-	1126	-
Passenger Vehicles %	-	-	-	-	-	-	100%	-	96%	97%	96%	-	-	92%	-	96%	94%	-	100%	94%	98%	-	96%	-	95%	-
HC Vehicles	-	-	-	-	-	-	-	-	9	3	12	-	-	22	-	5	27	-	-	14	3	-	17	-	56	-
HC Vehicles %	-	-	-	-	-	-	-	-	4%	3%	4%	-	-	8%	-	4%	6%	-	-	6%	2%	-	4%	-	5%	-

All Vehicles_PM Peak (4:15PM-5:15PM) at Bren Rd E & TH-169 E Ramp																										
Start Time	TH-169 E Ramp North Leg (Southbound)						Bren Rd E East Leg (Westbound)						TH-169 E Ramp South Leg (Northbound)						Bren Rd E West Leg (Eastbound)						15-min Veh Total	15-min Ped* Total
	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*		
16:15	-	-	-	-	-	-	-	-	44	17	61	-	-	85	1	31	117	1	3	211	110	-	324	-	502	1
16:30	-	-	-	-	-	2	-	-	75	37	112	-	-	66	1	20	87	-	1	212	103	-	316	-	515	2
16:45	-	-	-	-	-	2	-	-	46	15	61	-	-	85	-	31	116	2	-	216	106	-	322	-	499	4
17:00	-	-	-	-	-	4	-	-	55	29	84	-	-	110	2	30	142	2	2	210	147	-	359	-	585	6
Total	-	-	-	-	-	8	-	-	220	98	318	-	-	346	4	112	462	5	6	849	466	-	1321	-	2101	13
% App	-	-	-	-	-	-	-	-	69%	31%	100%	-	-	75%	1%	24%	100%	-	0%	64%	35%	-	100%	-	-	-
% Total	-	-	-	-	-	62%	-	-	10%	5%	15%	-	-	16%	0%	5%	22%	38%	0%	40%	22%	-	63%	-	100%	100%
PHF	-	-	-	-	-	-	-	-	0.733	0.662	0.710	-	-	0.786	0.500	0.903	0.813	-	0.500	0.983	0.793	-	0.920	-	0.898	-
Passenger Vehicles	-	-	-	-	-	-	-	-	217	97	314	-	-	331	4	111	446	-	6	845	463	-	1314	-	2074	-
Passenger Vehicles %	-	-	-	-	-	-	-	-	99%	99%	99%	-	-	96%	100%	99%	97%	-	100%	100%	99%	-	99%	-	99%	-
HC Vehicles	-	-	-	-	-	-	-	-	3	1	4	-	-	15	-	1	16	-	-	4	3	-	7	-	27	-
HC Vehicles %	-	-	-	-	-	-	-	-	1%	1%	1%	-	-	4%	-	1%	3%	-	-	0%	1%	-	1%	-	1%	-

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 dash (-) in the table indicates zero or not applicable

Intersection Traffic Counts

Intersection: Bren Rd E & TH-169 E Ramp

Start Date: Wed, Sep 12, 2018

Duration: 6-9,11-13,15-18:00

Prepared by: Associated Consulting Services LLC

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