

Intersection Traffic Counts

Intersection: Bren Rd E & Smetana Dr

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 & Smetana Dr																											
Start Time	Smetana Dr North Leg (Southbound)						Bren Rd E East Leg (Westbound)						Smetana Dr 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	-	41	-	2	43	-	-	-	88	22	110	-	-	-	-	-	-	-	-	1	10	-	11	-	164	-	
6:15	-	74	-	3	77	-	1	-	138	22	161	-	-	-	-	-	-	-	-	-	-	16	-	254	-		
6:30	-	83	-	5	88	-	-	-	206	29	235	-	-	-	-	-	-	-	-	-	1	13	-	14	-	337	-
6:45	-	80	-	2	82	1	-	-	318	52	370	-	-	-	-	-	-	-	-	-	2	23	-	25	1	477	2
7:00	-	74	-	8	82	-	-	-	336	65	401	-	-	-	-	-	-	-	-	-	5	29	-	34	-	517	-
7:15	-	94	-	7	101	2	-	-	429	83	512	-	-	-	-	-	-	-	-	1	4	46	-	51	1	664	3
7:30	-	92	-	14	106	1	-	-	500	80	580	-	-	-	-	-	-	-	-	2	4	47	-	53	4	739	5
7:45	-	91	-	25	116	1	-	-	498	83	581	-	-	-	-	-	-	-	-	2	11	84	-	97	3	794	4
8:00	-	83	-	15	98	-	-	-	570	97	667	-	-	-	-	-	-	-	-	1	11	91	-	103	-	868	-
8:15	-	80	-	14	94	-	1	-	553	63	617	-	-	-	-	-	-	-	-	1	2	65	-	68	1	779	1
8:30	-	81	-	13	94	2	-	-	440	66	506	-	-	-	-	-	-	-	-	4	3	57	-	64	-	664	2
8:45	-	86	-	4	90	-	-	-	379	86	465	-	-	-	-	-	-	-	-	1	3	52	-	56	-	611	-
9:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00	-	45	-	3	48	1	-	-	64	28	92	-	-	-	-	-	-	-	-	1	8	125	-	134	1	274	2
11:15	-	56	-	10	66	-	-	-	68	47	115	-	-	-	-	-	-	-	-	-	7	131	-	138	-	319	-
11:30	-	80	-	6	86	2	-	-	80	48	128	-	-	-	-	-	-	-	-	1	5	136	-	142	-	356	2
11:45	-	58	-	4	62	1	-	-	100	58	158	-	-	-	-	-	-	-	-	1	9	135	-	145	-	365	1
12:00	-	51	-	3	54	5	1	-	95	58	154	-	-	-	-	-	-	-	-	3	17	136	-	156	3	364	8
12:15	-	58	-	7	65	2	1	-	107	50	158	-	-	-	-	-	-	-	-	1	9	127	-	137	3	360	5
12:30	-	62	-	12	74	1	-	-	117	48	165	-	-	-	-	-	-	-	-	1	13	104	-	118	-	357	1
12:45	-	63	-	10	73	-	-	-	126	51	177	-	-	-	-	-	-	-	-	1	11	91	-	103	-	353	-
13:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15:00	-	59	-	6	65	-	-	-	66	65	131	-	-	-	-	-	-	-	-	1	16	277	-	294	-	490	-
15:15	-	68	-	8	76	-	-	-	60	64	124	-	-	-	-	-	-	-	-	-	12	277	-	289	-	489	-
15:30	-	81	-	4	85	-	-	-	56	64	120	-	-	-	-	-	-	-	-	1	19	371	-	391	-	596	-
15:45	-	68	-	4	72	-	-	-	57	85	142	-	-	-	-	-	-	-	-	-	10	313	-	323	-	537	-
16:00	-	86	-	7	93	-	-	-	59	69	128	-	-	-	-	-	-	-	-	-	19	567	-	586	-	807	-
16:15	-	78	-	6	84	-	-	-	47	97	144	-	-	-	-	-	-	-	-	-	25	482	-	507	-	735	-
16:30	-	83	-	3	86	2	-	-	53	84	137	-	-	-	-	-	-	-	-	2	24	570	-	596	1	819	3
16:45	-	59	-	9	68	-	-	-	53	80	133	-	-	-	-	-	-	-	-	-	25	454	-	479	-	680	-
17:00	-	88	-	7	95	1	-	-	67	112	179	-	-	-	-	-	-	-	-	1	34	528	-	563	2	837	3
17:15	-	72	-	3	75	2	-	-	58	86	144	-	-	-	-	-	-	-	-	-	19	415	-	434	-	653	2
17:30	-	54	-	2	56	2	-	-	50	103	153	-	-	-	-	-	-	-	-	-	16	356	-	372	2	581	4
17:45	-	67	-	4	71	1	-	-	51	80	131	-	-	-	-	-	-	-	-	-	14	242	-	256	1	458	2
Total	-	2295	-	230	2525	27	4	-	5889	2125	8018	-	-	-	-	-	-	-	-	26	359	6370	-	6755	23	17298	50
% App	-	91%	-	9%	100%	-	0%	-	73%	27%	100%	-	-	-	-	-	-	-	-	0%	5%	94%	-	100%	-	-	-
% Total	-	13%	-	1%	15%	54%	0%	-	34%	12%	46%	-	-	-	-	-	-	-	-	0%	2%	37%	-	39%	46%	100%	100%
Passenger Vehicles	-	2147	-	206	2353	-	4	-	5795	2009	7808	-	-	-	-	-	-	-	-	25	336	6258	-	6619	-	16780	-
Passenger Vehicles %	-	94%	-	90%	93%	-	100%	-	98%	95%	97%	-	-	-	-	-	-	-	-	96%	94%	98%	-	98%	-	97%	-
HC Vehicles	-	148	-	24	172	-	-	-	94	116	210	-	-	-	-	-	-	-	-	1	23	112	-	136	-	518	-
HC Vehicles %	-	6%	-	10%	7%	-	-	-	2%	5%	3%	-	-	-	-	-	-	-	-	4%	6%	2%	-	2%	-	3%	-

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 & Smetana Dr

Start Date: Wed, Sep 12, 2018

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

Prepared by: Associated Consulting Services LLC

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All Vehicles_AM Peak (7:30AM-8:30AM) at Bren Rd E & Smetana Dr																										
Start Time	Smetana Dr						Bren Rd E						Smetana Dr				Bren Rd E				15-min Veh Total	15-min Ped* Total				
	North Leg (Southbound)						East Leg (Westbound)						South Leg (Northbound)				West Leg (Eastbound)									
	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	-	92	-	14	106	1	-	-	500	80	580	-	-	-	-	-	-	-	2	4	47	-	53	4	739	5
7:45	-	91	-	25	116	1	-	-	498	83	581	-	-	-	-	-	-	-	2	11	84	-	97	3	794	4
8:00	-	83	-	15	98	-	-	-	570	97	667	-	-	-	-	-	-	-	1	11	91	-	103	-	868	-
8:15	-	80	-	14	94	-	1	-	553	63	617	-	-	-	-	-	-	-	1	2	65	-	68	1	779	1
Total	-	346	-	68	414	2	1	-	2121	323	2445	-	-	-	-	-	-	-	6	28	287	-	321	8	3180	10
% App	-	84%	-	16%	100%	-	0%	-	87%	13%	100%	-	-	-	-	-	-	-	2%	9%	89%	-	100%	-	-	-
% Total	-	11%	-	2%	13%	20%	0%	-	67%	10%	77%	-	-	-	-	-	-	-	0%	1%	9%	-	10%	80%	100%	100%
PHF	-	0.940	-	0.680	0.892	-	0.250	-	0.930	0.832	0.916	-	-	-	-	-	-	-	0.750	0.636	0.788	-	0.779	-	0.916	-
Passenger Vehicles	-	322	-	62	384	-	1	-	2103	314	2418	-	-	-	-	-	-	-	6	24	274	-	304	-	3106	-
Passenger Vehicles %	-	93%	-	91%	93%	-	100%	-	99%	97%	99%	-	-	-	-	-	-	-	100%	86%	95%	-	95%	-	98%	-
HC Vehicles	-	24	-	6	30	-	-	-	18	9	27	-	-	-	-	-	-	-	-	4	13	-	17	-	74	-
HC Vehicles %	-	7%	-	9%	7%	-	-	-	1%	3%	1%	-	-	-	-	-	-	-	-	14%	5%	-	5%	-	2%	-

All Vehicles_Midday Peak (11:45AM-12:45PM) at Bren Rd E & Smetana Dr																										
Start Time	Smetana Dr						Bren Rd E						Smetana Dr				Bren Rd E				15-min Veh Total	15-min Ped* Total				
	North Leg (Southbound)						East Leg (Westbound)						South Leg (Northbound)				West Leg (Eastbound)									
	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*	U	L	T	R	App	Ped*	U	L			T	R	App	Ped*
11:45	-	58	-	4	62	1	-	-	100	58	158	-	-	-	-	-	-	-	1	9	135	-	145	-	365	1
12:00	-	51	-	3	54	5	1	-	95	58	154	-	-	-	-	-	-	-	3	17	136	-	156	3	364	8
12:15	-	58	-	7	65	2	1	-	107	50	158	-	-	-	-	-	-	-	1	9	127	-	137	3	360	5
12:30	-	62	-	12	74	1	-	-	117	48	165	-	-	-	-	-	-	-	1	13	104	-	118	-	357	1
Total	-	229	-	26	255	9	2	-	419	214	635	-	-	-	-	-	-	-	6	48	502	-	556	6	1446	15
% App	-	90%	-	10%	100%	-	0%	-	66%	34%	100%	-	-	-	-	-	-	-	1%	9%	90%	-	100%	-	-	-
% Total	-	16%	-	2%	18%	60%	0%	-	29%	15%	44%	-	-	-	-	-	-	-	0%	3%	35%	-	38%	40%	100%	100%
PHF	-	0.923	-	0.542	0.861	-	0.500	-	0.895	0.922	0.962	-	-	-	-	-	-	-	0.500	0.706	0.923	-	0.891	-	0.990	-
Passenger Vehicles	-	205	-	24	229	-	2	-	407	198	607	-	-	-	-	-	-	-	5	43	483	-	531	-	1367	-
Passenger Vehicles %	-	90%	-	92%	90%	-	100%	-	97%	93%	96%	-	-	-	-	-	-	-	83%	90%	96%	-	96%	-	95%	-
HC Vehicles	-	24	-	2	26	-	-	-	12	16	28	-	-	-	-	-	-	-	1	5	19	-	25	-	79	-
HC Vehicles %	-	10%	-	8%	10%	-	-	-	3%	7%	4%	-	-	-	-	-	-	-	17%	10%	4%	-	4%	-	5%	-

All Vehicles_PM Peak (4:15PM-5:15PM) at Bren Rd E & Smetana Dr																										
Start Time	Smetana Dr						Bren Rd E						Smetana Dr				Bren Rd E				15-min Veh Total	15-min Ped* Total				
	North Leg (Southbound)						East Leg (Westbound)						South Leg (Northbound)				West Leg (Eastbound)									
	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	-	78	-	6	84	-	-	-	47	97	144	-	-	-	-	-	-	-	-	25	482	-	507	-	735	-
16:30	-	83	-	3	86	2	-	-	53	84	137	-	-	-	-	-	-	-	2	24	570	-	596	1	819	3
16:45	-	59	-	9	68	-	-	-	53	80	133	-	-	-	-	-	-	-	-	25	454	-	479	-	680	-
17:00	-	88	-	7	95	1	-	-	67	112	179	-	-	-	-	-	-	-	1	34	528	-	563	2	837	3
Total	-	308	-	25	333	3	-	-	220	373	593	-	-	-	-	-	-	-	3	108	2034	-	2145	3	3071	6
% App	-	92%	-	8%	100%	-	-	-	37%	63%	100%	-	-	-	-	-	-	-	0%	5%	95%	-	100%	-	-	-
% Total	-	10%	-	1%	11%	50%	-	-	7%	12%	19%	-	-	-	-	-	-	-	0%	4%	66%	-	70%	50%	100%	100%
PHF	-	0.875	-	0.694	0.876	-	-	-	0.821	0.833	0.828	-	-	-	-	-	-	-	0.375	0.794	0.892	-	0.900	-	0.917	-
Passenger Vehicles	-	296	-	24	320	-	-	-	209	365	574	-	-	-	-	-	-	-	3	105	2023	-	2131	-	3025	-
Passenger Vehicles %	-	96%	-	96%	96%	-	-	-	95%	98%	97%	-	-	-	-	-	-	-	100%	97%	99%	-	99%	-	99%	-
HC Vehicles	-	12	-	1	13	-	-	-	11	8	19	-	-	-	-	-	-	-	-	3	11	-	14	-	46	-
HC Vehicles %	-	4%	-	4%	4%	-	-	-	5%	2%	3%	-	-	-	-	-	-	-	-	3%	1%	-	1%	-	1%	-

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Intersection Traffic Counts

Intersection: Bren Rd E & Smetana Dr
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

