

Intersection Traffic Counts

Intersection: TH 10 & Cutters Grove Ave

Start Date: Thu, Oct 4, 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 TH 10 & Cutters Grove Ave																											
Start Time	Thurston Ave						TH 10						Cutters Grove Ave						TH 10						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*			
6:00	-	32	2	6	40	-	1	6	238	59	304	-	-	14	18	34	66	-	-	23	607	23	653	-	1063	-	
6:15	-	64	5	6	75	-	-	12	256	76	344	-	-	12	10	27	49	-	-	1	29	599	15	644	1	1112	1
6:30	-	48	3	9	60	-	2	8	318	60	388	-	-	14	8	30	52	-	-	20	651	17	688	-	1188	-	
6:45	-	63	3	6	72	-	1	17	345	98	461	-	-	16	18	20	54	-	-	3	29	611	16	659	-	1246	-
7:00	-	53	12	5	70	-	-	10	354	83	447	-	-	11	14	13	38	-	-	28	666	13	707	2	1262	2	
7:15	-	72	14	8	94	-	-	18	342	116	476	-	-	16	21	32	69	-	-	2	41	581	14	638	4	1277	4
7:30	-	54	10	5	69	-	-	9	451	175	635	-	-	11	12	27	50	-	-	4	33	637	14	688	1	1442	1
7:45	-	65	12	10	87	-	-	15	431	176	622	-	-	16	19	15	50	-	-	27	607	17	651	-	1410	-	
8:00	-	43	10	9	62	-	-	14	281	92	387	-	-	20	5	24	49	-	-	1	23	622	19	665	-	1163	-
8:15	-	46	12	9	67	-	2	19	304	72	397	-	-	13	12	28	53	-	-	23	498	26	547	1	1064	1	
8:30	-	46	10	5	61	-	2	11	320	62	395	-	-	11	8	35	54	-	-	13	485	20	518	2	1028	2	
8:45	-	48	9	4	61	-	-	23	311	93	427	1	-	14	14	37	65	-	-	1	12	448	11	472	1	1025	2
9:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00	-	78	20	7	105	-	3	11	301	50	365	-	-	15	21	20	56	-	-	12	322	13	347	2	873	2	
11:15	-	58	10	9	77	-	-	12	275	44	332	-	-	14	14	25	53	-	-	10	330	7	347	1	809	1	
11:30	-	66	10	20	96	-	2	21	289	68	380	-	-	11	12	20	43	-	-	3	363	13	379	-	898	-	
11:45	-	86	17	17	120	-	1	13	305	84	403	-	-	17	27	23	67	-	-	18	317	14	349	1	939	1	
12:00	-	80	32	21	133	-	-	17	361	49	427	-	-	11	20	19	50	-	-	7	361	14	382	-	992	-	
12:15	-	62	11	12	85	-	-	18	371	67	456	-	-	27	28	19	74	-	-	4	17	317	15	353	-	968	-
12:30	-	70	12	17	99	-	1	10	395	72	478	-	-	16	18	20	54	-	-	1	15	355	9	380	2	1011	2
12:45	-	60	9	14	83	-	1	25	322	54	402	-	-	24	25	22	71	-	-	1	11	348	9	369	-	925	-
13:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14:45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15:00	-	121	17	57	195	-	1	20	545	51	617	-	-	21	10	21	52	1	-	14	386	12	412	1	1276	2	
15:15	-	65	9	23	97	-	-	9	608	30	647	-	-	13	11	20	44	-	-	1	12	404	7	424	-	1212	-
15:30	-	81	11	44	136	-	-	17	561	38	616	-	-	12	14	19	45	-	-	10	506	12	528	2	1325	2	
15:45	-	60	9	31	100	-	-	14	636	28	678	-	-	11	10	30	51	-	-	2	7	413	11	433	-	1262	-
16:00	-	109	20	42	171	-	1	15	562	30	608	-	-	18	7	26	51	-	-	3	15	444	20	482	1	1312	1
16:15	-	79	18	35	132	-	-	8	596	37	641	-	-	12	13	28	53	-	-	1	13	499	6	519	-	1345	-
16:30	-	106	19	45	170	-	2	14	553	36	605	-	-	23	14	32	69	-	-	7	509	11	527	1	1371	1	
16:45	-	75	17	31	123	-	-	10	617	53	680	-	-	17	15	28	60	-	-	2	11	533	13	559	-	1422	-
17:00	1	106	21	42	170	-	-	14	557	33	604	-	-	22	10	23	55	-	-	5	7	470	14	496	-	1325	-
17:15	-	70	4	21	95	-	5	18	610	36	669	-	-	17	8	24	49	-	-	4	9	536	15	564	1	1377	1
17:30	-	54	17	16	87	-	-	13	572	55	640	-	-	13	11	15	39	-	-	1	8	382	14	405	1	1171	1
17:45	-	46	10	13	69	-	1	4	594	38	637	-	-	14	7	12	33	-	-	1	11	416	11	439	-	1178	-
Total	1	2166	395	599	3161	-	27	445	13581	2115	16168	1	-	496	454	768	1718	1	-	38	518	15223	445	16224	25	37271	27
% App	0%	69%	12%	19%	100%	-	0%	3%	84%	13%	100%	-	-	29%	26%	45%	100%	-	-	0%	3%	94%	3%	100%	-	-	-
% Total	0%	6%	1%	2%	8%	-	0%	1%	36%	6%	43%	4%	-	1%	1%	2%	5%	4%	-	0%	1%	41%	1%	44%	93%	100%	100%
Passenger Vehicles	1	2012	375	569	2957	-	25	421	12909	1948	15303	-	-	475	443	735	1653	-	-	37	492	14516	419	15464	-	35377	-
Passenger Vehicles %	100%	93%	95%	95%	94%	-	93%	95%	95%	92%	95%	-	-	96%	98%	96%	96%	-	-	97%	95%	95%	94%	95%	-	95%	-
HC Vehicles	-	154	20	30	204	-	2	24	672	167	865	-	-	21	11	33	65	-	-	1	26	707	26	760	-	1894	-
HC Vehicles %	-	7%	5%	5%	6%	-	7%	5%	5%	8%	5%	-	-	4%	2%	4%	4%	-	-	3%	5%	5%	6%	5%	-	5%	-

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: TH 10 & Cutters Grove Ave

Start Date: Thu, Oct 4, 2018

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

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All Vehicles_AM Peak (7:00AM-8:00AM) at TH 10 & Cutters Grove Ave																											
Start Time	Thurston Ave North Leg (Southbound)						TH 10 East Leg (Westbound)						Cutters Grove Ave South Leg (Northbound)						TH 10 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*			
7:00	-	53	12	5	70	-	-	10	354	83	447	-	-	11	14	13	38	-	-	28	666	13	707	2	1262	2	
7:15	-	72	14	8	94	-	-	18	342	116	476	-	-	16	21	32	69	-	-	2	41	581	14	638	4	1277	4
7:30	-	54	10	5	69	-	-	9	451	175	635	-	-	11	12	27	50	-	-	4	33	637	14	688	1	1442	1
7:45	-	65	12	10	87	-	-	15	431	176	622	-	-	16	19	15	50	-	-	27	607	17	651	-	1410	-	
Total	-	244	48	28	320	-	-	52	1578	550	2180	-	-	54	66	87	207	-	-	6	129	2491	58	2684	7	5391	7
% App	-	76%	15%	9%	100%	-	-	2%	72%	25%	100%	-	-	26%	32%	42%	100%	-	-	0%	5%	93%	2%	100%	-	-	-
% Total	-	5%	1%	1%	6%	-	-	1%	29%	10%	40%	-	-	1%	1%	2%	4%	-	-	0%	2%	46%	1%	50%	100%	100%	100%
PHF	-	0.847	0.857	0.700	0.851	-	-	0.722	0.875	0.781	0.858	-	-	0.844	0.786	0.680	0.750	-	-	0.375	0.787	0.935	0.853	0.949	-	0.935	-
Passenger Vehicles	-	224	46	26	296	-	-	47	1492	531	2070	-	-	52	64	83	199	-	-	6	125	2407	52	2590	-	5155	-
Passenger Vehicles %	-	92%	96%	93%	93%	-	-	90%	95%	97%	95%	-	-	96%	97%	95%	96%	-	-	100%	97%	97%	90%	96%	-	96%	-
HC Vehicles	-	20	2	2	24	-	-	5	86	19	110	-	-	2	2	4	8	-	-	4	84	6	94	-	236	-	
HC Vehicles %	-	8%	4%	7%	8%	-	-	10%	5%	3%	5%	-	-	4%	3%	5%	4%	-	-	3%	3%	10%	4%	-	4%	-	

All Vehicles_Midday Peak (11:45AM-12:45PM) at TH 10 & Cutters Grove Ave																											
Start Time	Cutters Grove Ave North Leg (Southbound)						TH 10 East Leg (Westbound)						Cutters Grove Ave South Leg (Northbound)						TH 10 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*			
11:45	-	86	17	17	120	-	1	13	305	84	403	-	-	17	27	23	67	-	-	18	317	14	349	1	939	1	
12:00	-	80	32	21	133	-	-	17	361	49	427	-	-	11	20	19	50	-	-	7	361	14	382	-	992	-	
12:15	-	62	11	12	85	-	-	18	371	67	456	-	-	27	28	19	74	-	-	4	17	317	15	353	-	968	-
12:30	-	70	12	17	99	-	1	10	395	72	478	-	-	16	18	20	54	-	-	1	15	355	9	380	2	1011	2
Total	-	298	72	67	437	-	2	58	1432	272	1764	-	-	71	93	81	245	-	-	5	57	1350	52	1464	3	3910	3
% App	-	68%	16%	15%	100%	-	0%	3%	81%	15%	100%	-	-	29%	38%	33%	100%	-	-	0%	4%	92%	4%	100%	-	-	-
% Total	-	8%	2%	2%	11%	-	0%	1%	37%	7%	45%	-	-	2%	2%	2%	6%	-	-	0%	1%	35%	1%	37%	100%	100%	100%
PHF	-	0.866	0.563	0.798	0.821	-	0.500	0.806	0.906	0.810	0.923	-	-	0.657	0.830	0.880	0.828	-	-	0.313	0.792	0.935	0.867	0.958	-	0.967	-
Passenger Vehicles	-	270	66	58	394	-	2	55	1359	250	1666	-	-	69	92	77	238	-	-	5	53	1257	48	1363	-	3661	-
Passenger Vehicles %	-	91%	92%	87%	90%	-	100%	95%	95%	92%	94%	-	-	97%	99%	95%	97%	-	-	100%	93%	93%	92%	93%	-	94%	-
HC Vehicles	-	28	6	9	43	-	-	3	73	22	98	-	-	2	1	4	7	-	-	4	93	4	101	-	249	-	
HC Vehicles %	-	9%	8%	13%	10%	-	-	5%	5%	8%	6%	-	-	3%	1%	5%	3%	-	-	7%	7%	8%	7%	-	6%	-	

All Vehicles_PM Peak (4:30PM-5:30PM) at TH 10 & Cutters Grove Ave																											
Start Time	Thurston Ave North Leg (Southbound)						TH 10 East Leg (Westbound)						Cutters Grove Ave South Leg (Northbound)						TH 10 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*			
16:30	-	106	19	45	170	-	2	14	553	36	605	-	-	23	14	32	69	-	-	7	509	11	527	1	1371	1	
16:45	-	75	17	31	123	-	-	10	617	53	680	-	-	17	15	28	60	-	-	2	11	533	13	559	-	1422	-
17:00	1	106	21	42	170	-	-	14	557	33	604	-	-	22	10	23	55	-	-	5	7	470	14	496	-	1325	-
17:15	-	70	4	21	95	-	5	18	610	36	669	-	-	17	8	24	49	-	-	4	9	536	15	564	1	1377	1
Total	1	357	61	139	558	-	7	56	2337	158	2558	-	-	79	47	107	233	-	-	11	34	2048	53	2146	2	5495	2
% App	0%	64%	11%	25%	100%	-	0%	2%	91%	6%	100%	-	-	34%	20%	46%	100%	-	-	1%	2%	95%	2%	100%	-	-	-
% Total	0%	6%	1%	3%	10%	-	0%	1%	43%	3%	47%	-	-	1%	1%	2%	4%	-	-	0%	1%	37%	1%	39%	100%	100%	100%
PHF	0.250	0.842	0.726	0.772	0.821	-	0.350	0.778	0.947	0.745	0.940	-	-	0.859	0.783	0.836	0.844	-	-	0.550	0.773	0.955	0.883	0.951	-	0.966	-
Passenger Vehicles	1	342	59	136	538	-	5	54	2264	150	2473	-	-	78	45	105	228	-	-	11	31	1984	53	2079	-	5318	-
Passenger Vehicles %	100%	96%	97%	98%	96%	-	71%	96%	97%	95%	97%	-	-	99%	96%	98%	98%	-	-	100%	91%	97%	100%	97%	-	97%	-
HC Vehicles	-	15	2	3	20	-	2	2	73	8	85	-	-	1	2	2	5	-	-	3	64	-	67	-	177	-	
HC Vehicles %	-	4%	3%	2%	4%	-	29%	4%	3%	5%	3%	-	-	1%	4%	2%	2%	-	-	9%	3%	-	3%	-	3%	-	

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