

MOUNTAIN LOOP HIGHWAY @ BRIDGE 102

2017 and Previous Average Daily Traffic (ADT) and Weekend Recreational Traffic @ Bridge 102 (7-Day Counts)

	TUES	WED	THUR	FRI	SAT	SUN	MON		
	9/26/17	9/27/17	9/28/15	9/29/15	9/30/15	10/1/15	10/2/15		
ALL VEHICLES, 2017*	4543	4745	5116	4754	4745	4132	4483	ADT (Tues to Thurs)	4801
	6/16/15	6/17/15	6/18/15	6/19/15	6/20/15	6/21/15	6/22/15		
ALL VEHICLES, 2015**	4811	4858	4779	4996	6734	6713	4811	ADT (Tues to Thurs)	4816
	8/28/12	8/22/12	8/23/14	8/24/12	8/25/12	8/26/12	8/27/12		
ALL VEHICLES, 2012***	3923	3987	3911	4579	5695	5125	4104	ADT (Tues to Thurs)	3940
	8/2/11	8/3/11	8/4/14	8/5/11	8/6/11	8/7/11	8/8/11		
ALL VEHICLES, 2011****	4265	4508	4662	4697	5493	5257	4038	ADT (Tues to Thurs)	4478
	7/8/08	7/9/08	7/10/08	7/11/08	7/12/08	7/13/08	7/14/08		
ALL VEHICLES, 2008*****	4078	4254	4258	4987	5727	5433	4142	ADT (Tues to Thurs)	4197

There is an overall pattern of slow ADT Growth the last 8 years, even with financial downturns and fluctuating gas prices. The year 2012 was the exception. Recreational weekend traffic seems to fluctuate more based on the economy and gas prices.

*Counts taken in early autumn. Noticable drop in weekend recreational traffic, not as many campers and hikers on weekends.

**Gas prices have dropped sharply from 2015 into 2016 and we have seen a jump in ADT, especially recreational (Sat-Sun) ADT.

***ADT was down in 2012, may be due at least partly to continued surging crude oil prices and record gas prices at the pump.

**** Gas prices continued to rise to high levels in 2011.

*****Financial crisis at its worst in the latter half of 2008, which led to falling oil/gas prices late in the year but still high in July during counts.

Forecast 10-Year ADT **5852** (*Using 2% Per Year Growth Rate)

Distribution and Percentage of Vehicles Types for 2017 from 7-Day Combined Direction Counts at Bridge 102, Mountain Loop Highway

BIN #	VEHICLE TYPE	VEHICLE GROUPING			TUES	WED	THUR	FRI	SAT	SUN	MON
					9/26/17	9/27/17	9/28/17	9/29/17	9/30/17	10/1/17	10/2/17
1	Motor Bikes	Autos, Bikes, etc.			56	90	108	32	16	14	49
2	Cars & Trailers				3130	3242	3516	3201	3555	3101	3023
3	2 Axle Long (Pickups, Vans, Panels)				765	757	854	777	812	744	764
4	Buses	Buses		Trucks & Buses	31	57	61	51	7	9	49
5	2 Axle 6 Tire	Single Trucks		All Trucks	312	303	310	357	299	237	334
6	3 Axle Single		=>3 Axle		43	37	44	34	13	0	37
7	4 Axle Single				5	7	12	10	12	0	10
8	<5 Axle Double	Combo Trucks			18	19	13	22	31	27	16
9	5 Axle Double				17	21	11	24	0	0	34
10	>6 Axle Double				119	149	131	169	0	0	126
11	<6 Axle Multi				4	3	2	2	0	0	2
12	6 Axle Multi				6	5	1	0	0	0	5
13	>6 Axle Multi				37	55	53	75	0	0	34

T,W,R AVG	Wk-end AVG	7-Day AVG	T,W,R %	Wk-end %	7-Day %
85	15	52	1.76%	0.34%	1.12%
3296	3328	3253	68.65%	74.98%	70.02%
792	778	782	16.50%	17.53%	16.83%
50	8	38	1.03%	0.18%	0.81%
308	268	307	6.42%	6.04%	6.62%
41	7	30	0.86%	0.15%	0.64%
8	6	8	0.17%	0.14%	0.17%
17	29	21	0.35%	0.65%	0.45%
16	0	15	0.34%	0.00%	0.33%
133	0	99	2.77%	0.00%	2.13%
3	0	2	0.06%	0.00%	0.04%
4	0	2	0.08%	0.00%	0.05%
48	0	36	1.01%	0.00%	0.78%

		TUES	WED	THUR	FRI	SAT	SUN	MON
		Typical Weekday (T, W, R)			Typical Weekend			
1-13	Totals: ADT All Vehicles	4543	4745	5116	4754	4745	4132	4483
1-3	Totals: Autos, Bikes	3951	4089	4478	4010	4383	3859	3836
4	Totals: Buses	31	57	61	51	7	9	49
5-7	Totals: Single Trucks	360	347	366	401	324	237	381
8-13	Totals: Combo Trucks	201	252	211	292	31	27	217
6-13	Totals: 3 Axle and Above	249	296	267	336	56	27	264
5-13	Totals: All Trucks	561	599	577	693	355	264	598
4-13	Totals: Trucks and Buses	592	656	638	744	362	273	647

T,W,R AVG	Wk-end AVG	7-Day AVG	T,W,R %	Wk-end %	7-Day %
4801	4439	4645	100.00%	100.00%	100.00%
4173	4121	4087	86.91%	92.85%	87.97%
50	8	38	1.03%	0.18%	0.81%
358	281	345	7.45%	6.32%	7.43%
221	29	176	4.61%	0.65%	3.79%
271	42	214	5.64%	0.94%	4.60%
579	310	521	12.06%	6.97%	11.22%
629	318	559	13.09%	7.15%	12.03%

2017

PEAK HOUR VOLUMES OF ALL VEHICLES AT BRIDGE 102, MOUNTAIN LOOP HIGHWAY

Peak Hr Volumes	TUES	WED	THUR	FRI	SAT	SUN	MON	T,W,R AVG	Wk-end AVG	7-Day AVG
	AM NB	204	184	196	196	166	164	186	195	165
AM SB	128	146	179	137	201	180	119	151	191	156
AM Combined	282	277	300	289	367	323	258	286	345	299
PM NB	167	192	217	174	243	198	189	192	221	197
PM SB	212	237	220	221	197	197	232	223	197	217
PM Combined	352	390	409	353	422	375	368	384	399	381
Peak Hr Times	TUES	WED	THUR	FRI	SAT	SUN	MON			
	AM NB	6:30 PM	7:15 PM	6:45 PM	7:00 AM	10:30 AM	9:45 AM	6:30 AM		
AM SB	10:00 AM	9:45 PM	10:00 AM	11:00 AM	10:30 AM	11:00 AM	11:00 AM			
AM Combined	7:00 AM	11:00 AM	11:00 AM	11:00 AM	10:30 AM	11:00 AM	11:00 AM			
PM NB	2:00 PM	3:30 PM	3:45 PM	1:15 PM	3:15 PM	3:00 PM	2:30 PM			
PM SB	4:30 PM	4:45 PM	4:30 PM	5:15 PM	12:15 PM	1:00 PM	5:15 PM			
PM Combined	3:15 PM	4:45 PM	3:45 PM	2:00 PM	2:45 PM	12:15 PM	3:45 PM			

Truck Peak Hour for Average Weekday Traffic (Tuesday thru Thursday) at Bridge 102 on the Mountain Loop Highway

Tues 9/26/17

Vehicle Class	Single Trucks			Combo Trucks							All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.			
6:00 AM	1	24	3	0	2	0	10	2	0	2	44	43	19
7:00 AM	7	17	7	0	5	7	13	1	2	1	60	53	36
8:00 AM	2	15	5	0	0	2	9	0	0	2	35	33	18
9:00 AM	0	16	7	0	2	0	20	0	2	2	49	49	33
10:00 AM	2	9	5	1	2	1	10	0	1	7	38	36	27
11:00 AM	3	17	4	1	1	3	17	0	0	5	51	48	31
12:00 PM	1	18	1	1	0	2	10	0	0	6	39	38	20
1:00 PM	0	15	2	1	1	0	16	0	0	6	41	41	26
2:00 PM	6	12	1	0	0	0	8	0	0	4	31	25	13
3:00 PM	4	30	2	1	2	0	5	0	0	2	46	42	12
4:00 PM	4	26	0	0	0	0	1	0	0	0	31	27	1
5:00 PM	1	31	0	0	1	0	0	0	0	0	33	32	1

106
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Peak Truck Hour: 7 AM **60** **53** **36**

Wed 9/27/17

Vehicle Class	Single Trucks			Combo Trucks							All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.			
6:00 AM	2	21	3	0	0	2	11	1	0	2	42	40	19
7:00 AM	10	13	4	2	3	5	12	1	2	1	53	43	30
8:00 AM	4	19	6	0	4	1	11	0	0	2	47	43	24
9:00 AM	4	13	4	1	2	3	27	1	2	2	59	55	42
10:00 AM	6	13	3	1	2	2	11	0	0	9	47	41	28
11:00 AM	5	15	4	1	3	2	20	0	1	6	57	52	37
12:00 PM	5	16	1	0	1	0	18	0	0	9	50	45	29
1:00 PM	2	17	3	1	0	2	15	0	0	10	50	48	31
2:00 PM	8	15	0	0	0	2	13	0	0	7	45	37	22
3:00 PM	6	27	2	1	0	1	9	0	0	6	52	46	19
4:00 PM	2	30	0	0	1	0	0	0	0	0	33	31	1
5:00 PM	2	23	0	0	0	0	0	0	0	0	25	23	0

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48

Peak Truck Hour: 9 AM **59** **55** **42**

Thurs 9/28/17

Vehicle Class	Single Trucks			Combo Trucks							All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.			
6:00 AM	4	16	3	0	0	0	11	1	0	2	37	33	17
7:00 AM	19	22	4	1	1	1	9	1	1	3	62	43	21
8:00 AM	6	11	8	1	2	1	10	0	0	1	40	34	23
9:00 AM	2	9	7	1	1	2	24	0	0	6	52	50	41
10:00 AM	5	20	4	2	1	2	17	0	0	4	55	50	30
11:00 AM	2	16	3	3	1	1	18	0	0	13	57	55	39
12:00 PM	6	18	4	3	1	3	10	0	0	5	50	44	26
1:00 PM	1	18	0	1	1	0	19	0	0	12	52	51	33
2:00 PM	3	20	2	0	1	0	5	0	0	4	35	32	12
3:00 PM	4	24	2	0	2	0	6	0	0	2	40	36	12
4:00 PM	4	32	0	0	0	0	0	0	0	0	36	32	0
5:00 PM	1	19	0	0	0	0	0	0	0	0	20	19	0

87
126
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143
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151
120
136
79
88
68
39

Peak Truck Hour: 11 AM **57** **55** **39**

TYPICAL WEEKDAY TRUCK PEAK HOUR **59** **54** **39**

Average Daily Truck Traffic (Buses, Singles and Combos, Bins 4-13) @ Bridge 102 for 2017, 2015, 2012, 2011 & 2008

	TUES	WED	THUR	FRI	SAT	SUN	MON	Truck ADT Averages			Total 7-Day Trucks
ALL TRUCKS, 2017	9/26/17 592	9/27/17 656	9/28/15 638	9/29/15 744	9/30/15 362	10/1/15 273	10/2/15 647	Tues-Thurs. 629	Weekend 318	7-Day 559	3912
ALL TRUCKS, 2015*	6/16/15 641	6/17/15 605	6/18/15 517	6/19/15 610	6/20/15 409	6/21/15 356	6/22/15 600	Tues-Thurs. 588	Weekend 383	7-Day 534	3738
ALL TRUCKS, 2012**	8/28/12 808	8/22/12 625	8/23/14 727	8/24/12 654	8/25/12 330	8/26/12 270	8/27/12 731	Tues-Thurs. 720	Weekend 300	7-Day 592	4145
ALL TRUCKS, 2011***	8/2/11 548	8/3/11 521	8/4/14 619	8/5/11 565	8/6/11 253	8/7/11 295	8/8/11 527	Tues-Thurs. 563	Weekend 274	7-Day 475	3328
ALL TRUCKS, 2008****	7/8/08 399	7/9/08 490	7/10/08 521	7/11/08 584	7/12/08 287	7/13/08 286	7/14/08 481	Tues-Thurs. 470	Weekend 287	7-Day 435	3048

MOUNTAIN LOOP HIGHWAY S OF QUARRY RD

2017 and Previous Average Daily Traffic (ADT) and Weekend Recreational Traffic @ Mt. Loop Hwy S of Quarry Rd.

	TUES	WED	THUR	FRI	SAT	SUN	MON		
	9/26/17	9/27/17	9/28/15	9/29/15	9/30/15	10/1/15	10/2/15		
ALL VEHICLES, 2017*	3286	3440	3726	3436	3092	2419	3418	ADT (Tues to Thurs)	3484
ALL VEHICLES, 2015		6/24/15						ADT (Tues to Thurs)	In-Suff. Data
ALL VEHICLES, 2012							7/23/12	ADT (Tues to Thurs)	3518
	6/14/11	6/15/11	6/9/11	6/10/11	6/11/11	6/12/11	6/13/11		
ALL VEHICLES, 2011	3123	3117	3267	3595	3688	3537	2939	ADT (Tues to Thurs)	3169
ALL VEHICLES, 2008	No Quarry Road Counts in 2008							ADT (Tues to Thurs)	N/A

Forecast 10-Year ADT **4247** (*Using 2% Per Year Growth Rate)

Distribution and Percentage of Vehicles Types for 2017 from 7-Day Combined Direction Counts at Mountain Loop Highway S of Quarry Road

BIN #	VEHICLE TYPE	VEHICLE GROUPING			TUES	WED	THUR	FRI	SAT	SUN	MON
					9/26/17	9/27/17	9/28/17	9/29/17	9/30/17	10/1/17	10/2/17
1	Motor Bikes	Autos, Bikes, etc.			53	69	83	22	16	6	49
2	Cars & Trailers				1876	1964	2077	1972	1985	1706	1855
3	2 Axle Long (Pickups, Vans, Panels)				558	566	608	587	586	524	592
4	Buses	Buses		Trucks & Buses	66	85	82	56	30	3	77
5	2 Axle 6 Tire	Single Trucks		All Trucks	240	244	282	266	196	158	255
6	3 Axle Single		=>3 Axle		77	108	80	58	35	1	76
7	4 Axle Single				25	45	32	34	14	0	27
8	<5 Axle Double	Combo Trucks			45	30	41	36	49	19	50
9	5 Axle Double				47	60	74	82	30	1	86
10	>6 Axle Double				183	176	239	227	114	0	231
11	<6 Axle Multi				2	0	0	0	0	0	7
12	6 Axle Multi				1	2	0	0	0	0	0
13	>6 Axle Multi				113	91	128	96	37	1	113

T,W,R AVG	Wk-end AVG	7-Day AVG	T,W,R %	Wk-end %	7-Day %
68	11	43	1.96%	0.40%	1.31%
1972	1846	1919	56.61%	66.98%	58.88%
577	555	574	16.57%	20.14%	17.62%
78	17	57	2.23%	0.60%	1.75%
255	177	234	7.33%	6.42%	7.19%
88	18	62	2.54%	0.65%	1.91%
34	7	25	0.98%	0.25%	0.78%
39	34	39	1.11%	1.23%	1.18%
60	16	54	1.73%	0.56%	1.67%
199	57	167	5.72%	2.07%	5.13%
1	0	1	0.02%	0.00%	0.04%
1	0	0	0.03%	0.00%	0.01%
111	19	83	3.18%	0.69%	2.54%

		TUES	WED	THUR	FRI	SAT	SUN	MON
					Typical Weekday (T, W, R)			Typical Weekend
1-13	Totals: ADT All Vehicles	3286	3440	3726	3436	3092	2419	3418
1-3	Totals: Autos, Bikes	2487	2599	2768	2581	2587	2236	2496
4	Totals: Buses	66	85	82	56	30	3	77
5-7	Totals: Single Trucks	342	397	394	358	245	159	358
8-13	Totals: Combo Trucks	391	359	482	441	230	21	487
6-13	Totals: 3 Axle and Above	493	512	594	533	279	22	590
5-13	Totals: All Trucks	733	756	876	799	475	180	845
4-13	Totals: Trucks and Buses	799	841	958	855	505	183	922

T,W,R AVG	Wk-end AVG	7-Day AVG	T,W,R %	Wk-end %	7-Day %
3484	2756	3260	100.00%	100.00%	100.00%
2618	2412	2536	75.14%	87.52%	77.81%
78	17	57	2.23%	0.60%	1.75%
378	202	322	10.84%	7.33%	9.87%
411	126	344	11.79%	4.55%	10.57%
533	151	432	15.30%	5.46%	13.25%
788	328	666	22.63%	11.89%	20.44%
866	344	723	24.86%	12.48%	22.19%

2017

PEAK HOUR VOLUMES OF ALL VEHICLES, MT LOOP HWY SO QUARRY RD

Peak Hr Volumes	TUES	WED	THUR	FRI	SAT	SUN	MON	T,W,R AVG	Wk-end AVG	7-Day AVG
	AM NB	142	131	150	139	116	98	148	141	107
AM SB	106	132	153	114	146	118	116	130	132	126
AM Combined	221	256	276	236	250	212	240	251	231	242
PM NB	144	149	167	138	149	118	168	153	134	148
PM SB	174	176	184	168	167	131	167	178	149	167
PM Combined	291	324	318	292	311	239	326	311	275	300
Peak Hr Times	TUES	WED	THUR	FRI	SAT	SUN	MON			
	AM NB	7:00 AM	11:00 AM	7:00 AM	6:45 AM	11:00 AM	10:00 AM	7:00 AM		
AM SB	10:15 AM	9:45 AM	11:00 AM	9:30 AM	10:30 AM	10:45 AM	10:00 AM			
AM Combined	7:00 AM	11:00 AM	11:00 AM	11:00 AM	10:30 AM	10:15 AM	11:00 AM			
PM NB	2:00 PM	1:45 PM	2:00 PM	12:30 PM	12:45 PM	12:15 PM	2:00 PM			
PM SB	4:00 PM	3:15 PM	3:00 PM	3:45 PM	12:15 PM	2:30 PM	2:45 PM			
PM Combined	3:45 PM	2:00 PM	2:00 PM	1:15 PM	12:15 PM	2:15 PM	2:00 PM			

Truck Peak Hour for Average Weekday Traffic (Tuesday thru Thursday): Mtn Loop Hwy S of Quarry Road

Tues 9/26/17	Buses	Single Trucks			Combo Trucks						All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
Vehicle Class	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.			
6:00 AM	4	9	4	0	3	4	16	0	0	0	40	36	27
7:00 AM	5	16	6	2	6	2	18	2	0	4	61	56	40
8:00 AM	1	13	3	2	1	3	21	0	0	14	58	57	44
9:00 AM	6	14	15	2	2	3	23	0	0	17	82	76	62
10:00 AM	3	15	9	3	3	5	13	0	0	11	62	59	44
11:00 AM	7	20	11	7	3	6	20	0	0	14	88	81	61
12:00 PM	3	20	7	3	4	4	16	0	0	15	72	69	49
1:00 PM	3	15	10	4	5	5	14	0	0	9	65	62	47
2:00 PM	24	19	0	1	11	6	16	0	0	12	89	65	46
3:00 PM	7	26	7	1	2	6	16	0	0	14	79	72	46
4:00 PM	2	15	2	0	3	2	7	0	0	2	33	31	16
5:00 PM	1	21	2	0	0	0	0	0	0	0	24	23	2

103
157
159
220
165
230
190
174
200
197
80
49

Peak Truck Hour: 11 AM **88** **81** **61**

Wed 9/27/17	Buses	Single Trucks			Combo Trucks						All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
Vehicle Class	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.			
6:00 AM	2	12	3	0	1	10	11	0	2	2	43	41	29
7:00 AM	14	16	6	2	3	2	12	0	0	2	57	43	27
8:00 AM	8	10	7	2	4	6	16	0	0	2	55	47	37
9:00 AM	6	11	14	2	7	11	21	0	0	8	80	74	63
10:00 AM	3	14	11	5	5	4	20	0	0	17	79	76	62
11:00 AM	8	23	12	4	4	3	21	0	0	12	87	79	56
12:00 PM	4	16	10	6	1	6	16	0	0	15	74	70	54
1:00 PM	5	22	13	5	1	5	16	0	0	8	75	70	48
2:00 PM	24	17	20	10	2	4	19	0	0	11	107	83	66
3:00 PM	6	25	8	3	0	4	16	0	0	10	72	66	41
4:00 PM	1	17	4	4	0	3	7	0	0	4	40	39	22
5:00 PM	1	14	0	0	0	0	0	0	0	0	15	14	0

113
127
139
217
217
222
198
193
256
179
101
29

Peak Truck Hour: 2 PM **107** **83** **66**

Thurs 9/28/17	Buses	Single Trucks			Combo Trucks						All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
Vehicle Class	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.			
6:00 AM	2	7	5	1	1	4	13	0	0	1	34	32	25
7:00 AM	6	23	6	1	2	12	27	0	0	6	83	77	54
8:00 AM	6	15	12	5	7	4	21	0	0	9	79	73	58
9:00 AM	2	12	7	4	2	6	24	0	0	14	71	69	57
10:00 AM	3	17	10	3	3	9	26	0	0	18	89	86	69
11:00 AM	5	19	10	3	2	8	22	0	0	20	89	84	65
12:00 PM	7	20	3	1	3	7	35	0	0	15	91	84	64
1:00 PM	7	25	8	6	4	7	22	0	0	12	91	84	59
2:00 PM	23	31	7	4	4	5	18	0	0	16	108	85	54
3:00 PM	13	24	8	4	5	3	25	0	0	10	92	79	55
4:00 PM	4	23	1	0	5	4	5	0	0	6	48	44	21
5:00 PM	1	19	0	0	1	2	0	0	0	0	23	22	3

91
214
210
197
244
238
239
234
247
226
113
48

Peak Truck Hour: 2 PM **108** **85** **54**

TYPICAL WEEKDAY TRUCK PEAK HOUR **101** **83** **60**

Average Daily Truck Traffic (Buses, Singles and Combos, Bins 4-13) @ Mtn Loop Hwy S of Quarry Rd. for 2017 & 2011

	TUES	WED	THUR	FRI	SAT	SUN	MON	Truck ADT Averages			Total 7-Day Trucks
	9/26/17	9/27/17	9/28/15	9/29/15	9/30/15	10/1/15	10/2/15	Tues-Thurs.	Weekend	7-Day	
ALL TRUCKS, 2017	799	841	958	855	505	183	922	866	344	723	5063
	6/14/11	6/15/11	6/9/11	6/10/11	6/11/11	6/12/11	6/13/11	Tues-Thurs.	Weekend	7-Day	
ALL TRUCKS, 2011	516	485	562	504	272	178	586	521	225	443	3103

Quarry Road West of Mountain Loop Highway

2017 and Previous Average Daily Traffic (ADT) and Weekend Recreational Traffic @ Quarry Road W of Mtn Loop Hwy

	TUES	WED	THUR	FRI	SAT	SUN	MON	
	10/3/17	10/4/17	10/5/17	9/29/17	9/30/17	10/1/17	10/2/17	
ALL VEHICLES, 2017*	4289	4222	4345	4188	3468	2794	4135	ADT (Tues to Thurs) 4285

	TUES	WED	THUR	FRI	SAT	SUN	MON	
	6/14/11	6/15/11	6/9/11	6/10/11	6/11/11	6/12/11	6/13/11	
ALL VEHICLES, 2011	2487	2499	2831	2717	1976	1784	2495	ADT (Tues to Thurs) 2606

Forecast 10-Year ADT **5223** (*Using 2% Per Year Growth Rate)

Distribution and Percentage of Vehicles Types for 2017 from 7-Day Combined Direction Counts on Quarry Road W of Mountain Loop Highway

BIN #	VEHICLE TYPE	VEHICLE GROUPING			TUES	WED	THUR	FRI	SAT	SUN	MON
					10/3/17	10/4/17	10/5/17	9/29/17	9/30/17	10/1/17	10/2/17
1	Motor Bikes	Autos, Bikes, etc.			60	68	45	58	17	8	37
2	Cars & Trailers				2482	2363	2476	2359	2407	2167	2347
3	2 Axle Long (Pickups, Vans, Panels)				559	549	579	583	550	449	539
4	Buses	Buses		Trucks & Buses	116	107	106	84	17	2	92
5	2 Axle 6 Tire	Single Trucks		All Trucks	273	280	288	293	191	146	284
6	3 Axle Single		=>3 Axle		77	121	91	74	36	1	83
7	4 Axle Single				39	72	44	46	18	0	48
8	<5 Axle Double	Combo Trucks			51	59	59	42	44	19	55
9	5 Axle Double				107	111	110	85	25	0	103
10	>6 Axle Double				332	283	349	350	127	0	343
11	<6 Axle Multi				1	1	4	0	0	0	1
12	6 Axle Multi				1	1	2	1	0	1	1
13	>6 Axle Multi				191	207	192	213	36	1	202

T,W,R AVG	Wk-end AVG	7-Day AVG	T,W,R %	Wk-end %	7-Day %
58	13	42	1.35%	0.40%	1.07%
2440	2287	2372	56.95%	73.04%	60.50%
562	500	544	13.12%	15.95%	13.88%
110	10	75	2.56%	0.30%	1.91%
280	169	251	6.54%	5.38%	6.40%
96	19	69	2.25%	0.59%	1.76%
52	9	38	1.21%	0.29%	0.97%
56	32	47	1.31%	1.01%	1.20%
109	13	77	2.55%	0.40%	1.97%
321	64	255	7.50%	2.03%	6.50%
2	0	1	0.05%	0.00%	0.03%
1	1	1	0.03%	0.02%	0.03%
197	19	149	4.59%	0.59%	3.80%

				TUES	WED	THUR	FRI	SAT	SUN	MON
				Typical Weekday (T, W, R)			Typical Weekend			
1-13	Totals: ADT All Vehicles			4289	4222	4345	4188	3468	2794	4135
1-3	Totals: Autos, Bikes			3101	2980	3100	3000	2974	2624	2923
4	Totals: Buses			116	107	106	84	17	2	92
5-7	Totals: Single Trucks			389	473	423	413	245	147	415
8-13	Totals: Combo Trucks			683	662	716	691	232	21	705
6-13	Totals: 3 Axle and Above			799	855	851	811	286	22	836
5-13	Totals: All Trucks			1072	1135	1139	1104	477	168	1120
4-13	Totals: Trucks and Buses			1188	1242	1245	1188	494	170	1212

T,W,R AVG	Wk-end AVG	7-Day AVG	T,W,R %	Wk-end %	7-Day %
4285	3131	3920	100.00%	100.00%	100.00%
3060	2799	2957	71.41%	89.40%	75.44%
110	10	75	2.56%	0.30%	1.91%
428	196	358	10.00%	6.26%	9.13%
687	127	530	16.03%	4.04%	13.52%
835	154	637	19.49%	4.92%	16.25%
1115	323	888	26.03%	10.30%	22.65%
1225	332	963	28.59%	10.60%	24.56%

2017

PEAK HOUR VOLUMES OF ALL VEHICLES ON QUARRY RD W OF MOUNTAIN LOOP HWY

Peak Hr Volumes	TUES	WED	THUR	FRI	SAT	SUN	MON	T,W,R AVG	Wk-end AVG	7-Day AVG
	AM EB	188	219	187	201	146	99	168	198	123
AM WB	133	146	145	143	147	100	133	141	124	135
AM Combined	314	341	318	326	288	195	298	324	242	297
PM EB	197	178	212	168	185	164	189	196	175	185
PM WB	168	176	170	171	146	143	178	171	145	165
PM Combined	343	333	363	320	319	282	352	346	301	330
Peak Hr Times	TUES	WED	THUR	FRI	SAT	SUN	MON			
	AM EB	7:15 AM	7:00 AM	6:45 AM	6:45 AM	10:30 AM	9:30 AM	6:45 AM		
AM WB	6:45 AM	11:00 AM	9:30 AM	11:00 AM	10:45 AM	11:00 AM	7:15 AM			
AM Combined	6:45 AM	6:45 AM	6:45 AM	6:45 AM	10:30 AM	11:00 AM	6:45 AM			
PM EB	3:45 PM	4:15 PM	3:45 PM	1:30 PM	1:00 PM	3:00 PM	3:45 PM			
PM WB	2:45 PM	2:00 PM	3:30 PM	2:30 PM	12:30 PM	12:30 PM	2:00 PM			
PM Combined	3:45 PM	4:15 PM	3:45 PM	2:00 PM	1:00 PM	12:30 PM	3:45 PM			

Truck Peak Hour for Average Weekday Traffic (Tuesday thru Thursday), Quarry Road W of Mountain Loop Highway

Tues 10/3/17												All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
Buses	Single Trucks			Combo Trucks										
Vehicle Class	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.				
6:00 AM	5	21	4	0	6	10	27	1	1	3	78	73	52	
7:00 AM	11	20	13	4	8	12	31	0	0	17	116	105	85	
8:00 AM	13	16	12	3	10	6	31	0	0	14	105	92	76	
9:00 AM	5	8	4	3	5	10	37	0	0	17	89	84	76	
10:00 AM	11	14	8	2	2	8	37	0	0	27	109	98	84	
11:00 AM	9	19	7	6	1	9	38	0	0	31	120	111	92	
12:00 PM	13	11	7	7	5	12	35	0	0	26	116	103	92	
1:00 PM	9	16	4	7	2	12	35	0	0	20	105	96	80	
2:00 PM	24	20	3	3	2	7	31	0	0	16	106	82	62	
3:00 PM	9	24	3	2	3	7	17	0	0	16	81	72	48	
4:00 PM	1	34	3	1	3	8	7	0	0	3	60	59	25	
5:00 PM	2	11	3	1	2	2	2	0	0	0	23	21	10	

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Peak Truck Hour: 12 Noon **120** **103** **92**

Wed 10/4/17												All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
Buses	Single Trucks			Combo Trucks										
Vehicle Class	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.				
6:00 AM	4	18	6	0	8	10	27	0	0	4	77	73	55	
7:00 AM	12	27	23	5	10	11	23	0	1	12	124	112	85	
8:00 AM	6	14	11	10	7	13	27	0	0	10	98	92	78	
9:00 AM	10	11	10	11	2	8	37	0	0	17	106	96	85	
10:00 AM	7	22	13	8	6	13	20	1	0	31	121	114	92	
11:00 AM	10	11	14	10	4	7	39	0	0	34	129	119	108	
12:00 PM	13	19	15	14	6	6	27	0	0	19	119	106	87	
1:00 PM	7	9	11	5	0	11	26	0	0	30	99	92	83	
2:00 PM	27	16	5	4	6	9	30	0	0	24	121	94	78	
3:00 PM	4	21	3	3	3	6	16	0	0	20	76	72	51	
4:00 PM	2	27	4	2	1	9	5	0	0	4	54	52	25	
5:00 PM	3	23	1	0	1	2	0	0	0	0	30	27	4	

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Peak Truck Hour: 11 AM **129** **119** **108**

Thurs 10/5/17												All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
Buses	Single Trucks			Combo Trucks										
Vehicle Class	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.				
6:00 AM	5	18	4	0	3	13	15	0	1	3	62	57	39	
7:00 AM	11	24	5	1	14	17	32	2	0	13	119	108	84	
8:00 AM	8	15	10	3	10	5	36	1	1	16	105	97	82	
9:00 AM	4	14	15	6	5	11	44	0	0	19	118	114	100	
10:00 AM	14	11	8	5	6	11	34	0	0	22	111	97	86	
11:00 AM	11	14	6	10	1	8	36	1	0	30	117	106	92	
12:00 PM	8	9	13	6	2	8	43	0	0	23	112	104	95	
1:00 PM	4	26	6	3	2	9	40	0	0	23	113	109	83	
2:00 PM	27	12	4	5	9	10	32	0	0	14	113	86	74	
3:00 PM	7	25	8	4	3	7	23	0	0	20	97	90	65	
4:00 PM	6	26	1	1	1	3	10	0	0	4	52	46	20	
5:00 PM	1	26	0	0	1	3	1	0	0	0	32	31	5	

158
311
284
332
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315
311
305
273
252
118
68

Peak Truck Hour: 9 AM **118** **114** **100**

TYPICAL WEEKDAY TRUCK PEAK HOUR **121** **112** **100**

Average Daily Truck Traffic (Buses, Singles and Combos, Bins 4-13) @ Quarry Road W of Mountain Loop Highway for 2017 & 2011

	TUES	WED	THUR	FRI	SAT	SUN	MON	Truck ADT Averages			Total 7-Day Trucks
	10/3/17	10/4/17	10/5/17	9/29/17	9/30/17	10/1/17	10/2/17	Tues-Thurs.	Weekend	7-Day	
ALL TRUCKS, 2017	1188	1242	1245	1188	494	170	1212	1225	332	963	6739
ALL TRUCKS, 2011	582	535	724	559	203	114	678	614	159	485	3395

Mountain Loop Highway East of 135th Street NE

2017 and Previous Average Daily Traffic (ADT) and Weekend Recreational Traffic @ Mtn Loop Hwy E of 135 St NE

	TUES	WED	THUR	FRI	SAT	SUN	MON	
	10/3/17	10/4/17	9/28/17	9/29/17	9/30/17	10/1/17	10/2/17	
ALL VEHICLES, 2017*	1380	1511	1889	1403	2254	2098	1379	ADT (Tues to Thurs) 1593

No additional recent counts available

Forecast 10-Year ADT **1942** (*Using 2% Per Year Growth Rate)

Distribution and Percentage of Vehicles Types for 2017 from 7-Day Combined Direction Counts at Mountain Loop Highway E of 135 Street NE

BIN #	VEHICLE TYPE	VEHICLE GROUPING			TUES	WED	THUR	FRI	SAT	SUN	MON
					10/3/17	10/4/17	9/28/17	9/29/17	9/30/17	10/1/17	10/2/17
1	Motor Bikes	Autos, Bikes, etc.			22	8	69	12	9	9	18
2	Cars & Trailers				949	1013	1375	951	1698	1581	932
3	2 Axle Long (Pickups, Vans, Panels)				243	293	281	238	370	360	256
4	Buses	Buses		Trucks & Buses	23	27	21	28	3	0	22
5	2 Axle 6 Tire	Single Trucks		All Trucks	108	123	116	138	163	141	112
6	3 Axle Single		=>3 Axle		9	13	10	13	0	0	12
7	4 Axle Single				0	3	0	1	0	0	0
8	<5 Axle Double	Combo Trucks			4	8	5	5	11	7	5
9	5 Axle Double				3	7	2	1	0	0	4
10	>6 Axle Double				11	6	3	5	0	0	5
11	<6 Axle Multi				0	0	0	0	0	0	0
12	6 Axle Multi				0	0	0	0	0	0	0
13	>6 Axle Multi				8	10	7	11	0	0	13

T,W,R AVG	Wk-end AVG	7-Day AVG	T,W,R %	Wk-end %	7-Day %
33	9	21	2.07%	0.41%	1.23%
1112	1640	1214	69.81%	75.34%	71.34%
272	365	292	17.09%	16.77%	17.13%
24	2	18	1.49%	0.07%	1.04%
116	152	129	7.26%	6.99%	7.56%
11	0	8	0.67%	0.00%	0.48%
1	0	1	0.06%	0.00%	0.03%
6	9	6	0.36%	0.41%	0.38%
4	0	2	0.25%	0.00%	0.14%
7	0	4	0.42%	0.00%	0.25%
0	0	0	0.00%	0.00%	0.00%
0	0	0	0.00%	0.00%	0.00%
8	0	7	0.52%	0.00%	0.41%

				TUES	WED	THUR	FRI	SAT	SUN	MON
				Typical Weekday (T, W, R)			Typical Weekend			
1-13	Totals: ADT All Vehicles			1380	1511	1889	1403	2254	2098	1379
1-3	Totals: Autos, Bikes			1214	1314	1725	1201	2077	1950	1206
4	Totals: Buses			23	27	21	28	3	0	22
5-7	Totals: Single Trucks			117	139	126	152	163	141	124
8-13	Totals: Combo Trucks			26	31	17	22	11	7	27
6-13	Totals: 3 Axle and Above			35	47	27	36	11	7	39
5-13	Totals: All Trucks			143	170	143	174	174	148	151
4-13	Totals: Trucks and Buses			166	197	164	202	177	148	173

T,W,R AVG	Wk-end AVG	7-Day AVG	T,W,R %	Wk-end %	7-Day %
1593	2176	1702	100.00%	100.00%	100.00%
1418	2014	1527	88.97%	92.53%	89.70%
24	2	18	1.49%	0.07%	1.04%
127	152	137	7.99%	6.99%	8.07%
25	9	20	1.55%	0.41%	1.18%
36	9	29	2.28%	0.41%	1.70%
152	161	158	9.54%	7.40%	9.26%
176	163	175	11.03%	7.47%	10.30%

2017

PEAK HOUR VOLUMES OF ALL VEHICLES ON MOUNTAIN LOOP HWY E OF 135 ST NE

Peak Hr Volumes	TUES	WED	THUR	FRI	SAT	SUN	MON	T,W,R AVG	Wk-end AVG	7-Day AVG
	AM EB	45	47	48	55	67	77	47	47	72
AM WB	53	70	101	54	121	109	56	75	115	81
AM Combined	98	117	143	103	187	186	96	119	187	133
PM EB	69	64	129	56	161	141	73	87	151	99
PM WB	71	76	74	80	105	117	68	74	111	84
PM Combined	139	140	190	113	224	223	132	156	224	166
Peak Hr Times	TUES	WED	THUR	FRI	SAT	SUN	MON			
	AM EB	11:00 AM	10:45 AM	7:30 AM	10:15 AM	11:00 AM	11:00 AM	11:00 AM		
AM WB	11:00 AM	10:45 AM	10:30 AM	11:00 AM	10:30 AM	11:00 AM	10:00 AM			
AM Combined	11:00 AM	10:45 AM	11:00 AM	11:00 AM	11:00 AM	11:00 AM	11:00 AM			
PM EB	4:15 PM	4:15 PM	3:30 PM	1:00 PM	3:15 PM	3:30 PM	2:15 PM			
PM WB	4:45 PM	4:15 PM	12:00 PM	5:30 PM	1:00 PM	12:00 PM	1:30 PM			
PM Combined	4:15 PM	4:15 PM	3:30 PM	3:30 PM	3:15 PM	1:45 PM	3:45 PM			

Truck Peak Hour for Average Weekday Traffic (Tuesday thru Thursday) on Mountain Loop Highway E of 135 Street NE

Tues 10/3/17

Vehicle Class	Buses	Single Trucks					Combo Trucks					All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.				
6:00 AM	3	8	0	0	0	0	0	0	0	3	14	11	3	
7:00 AM	5	2	1	0	1	1	2	0	0	0	12	7	5	
8:00 AM	2	3	2	0	0	0	2	0	0	0	9	7	4	
9:00 AM	0	1	1	0	1	0	2	0	0	0	5	5	4	
10:00 AM	0	6	0	0	0	0	1	0	0	1	8	8	2	
11:00 AM	0	6	0	0	1	0	1	0	0	2	10	10	4	
12:00 PM	0	7	0	0	0	0	1	0	0	1	9	9	2	
1:00 PM	0	5	0	0	0	1	0	0	0	0	6	6	1	
2:00 PM	4	9	0	0	0	0	0	0	0	0	13	9	0	
3:00 PM	3	16	0	0	0	1	0	0	0	0	20	17	1	
4:00 PM	1	10	0	0	0	0	0	0	0	0	11	10	0	
5:00 PM	2	7	1	0	0	0	0	0	0	0	10	8	1	

Peak Truck Hour: 3 PM **20** **17** **1**

Wed 10/4/17

Vehicle Class	Buses	Single Trucks					Combo Trucks					All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.				
6:00 AM	3	6	0	0	0	0	2	0	0	0	11	8	2	
7:00 AM	6	6	1	0	0	1	1	0	0	2	17	11	5	
8:00 AM	1	5	2	0	3	0	0	0	0	0	11	10	5	
9:00 AM	2	3	0	0	0	1	0	0	0	0	6	4	1	
10:00 AM	0	4	2	0	0	0	1	0	0	1	8	8	4	
11:00 AM	0	6	0	2	0	0	2	0	0	1	11	11	5	
12:00 PM	0	9	0	1	1	0	0	0	0	1	12	12	3	
1:00 PM	2	8	2	0	0	1	0	0	0	1	14	12	4	
2:00 PM	4	17	0	0	2	2	0	0	0	1	26	22	5	
3:00 PM	5	12	0	0	1	0	0	0	0	0	18	13	1	
4:00 PM	1	9	0	0	1	0	0	0	0	0	11	10	1	
5:00 PM	2	12	0	0	0	0	0	0	0	0	14	12	0	

Peak Truck Hour: 2 PM **26** **22** **5**

Thurs 9/28/17

Vehicle Class	Buses	Single Trucks					Combo Trucks					All Trucks & Buses (Heavy Vehicles)	Total 5-13 Trucks (Single and Combo)	Total 6-13 Trucks (=>3 Axle Single)
	4 - Bus	5 - 2 Ax/6Tire	6 - 3 Axle S.	7 - 4 Axle S.	8 - <5 Axle D.	9 - 5 Axle D.	10 ->6 Axle D.	11 -<6 Axle M.	12 - 6 Axle M.	13 ->6 Axle M.				
6:00 AM	3	4	0	0	0	0	0	0	0	1	8	5	1	
7:00 AM	5	8	1	0	0	0	2	0	0	0	16	11	3	
8:00 AM	2	6	2	0	0	1	0	0	0	1	12	10	4	
9:00 AM	0	3	3	0	1	0	0	0	0	0	7	7	4	
10:00 AM	0	10	2	0	1	0	0	0	0	0	13	13	3	
11:00 AM	0	10	0	0	0	0	0	0	0	4	14	14	4	
12:00 PM	0	8	1	0	0	1	1	0	0	1	12	12	4	
1:00 PM	0	15	0	0	0	0	0	0	0	0	15	15	0	
2:00 PM	4	8	1	0	1	0	0	0	0	0	14	10	2	
3:00 PM	4	10	0	0	1	0	0	0	0	0	15	11	1	
4:00 PM	3	9	0	0	1	0	0	0	0	0	13	10	1	
5:00 PM	0	7	0	0	0	0	0	0	0	0	7	7	0	

Peak Truck Hour: 11 AM **14** **14** **4**

TYPICAL WEEKDAY TRUCK PEAK HOUR **20** **18** **3**

Average Daily Truck Traffic (Buses, Singles and Combos, Bins 4-13) @ Mountain Loop Highway E of 135 Street NE

	TUES	WED	THUR	FRI	SAT	SUN	MON	Truck ADT Averages			Total 7-Day Trucks
	10/3/17	10/4/17	9/28/17	9/29/17	9/30/17	10/1/17	10/2/17	Tues-Thurs.	Weekend	7-Day	
ALL TRUCKS, 2017	166	197	164	202	177	148	173	176	163	175	1227

No additional recent counts available