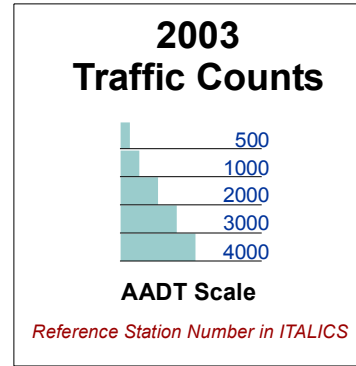
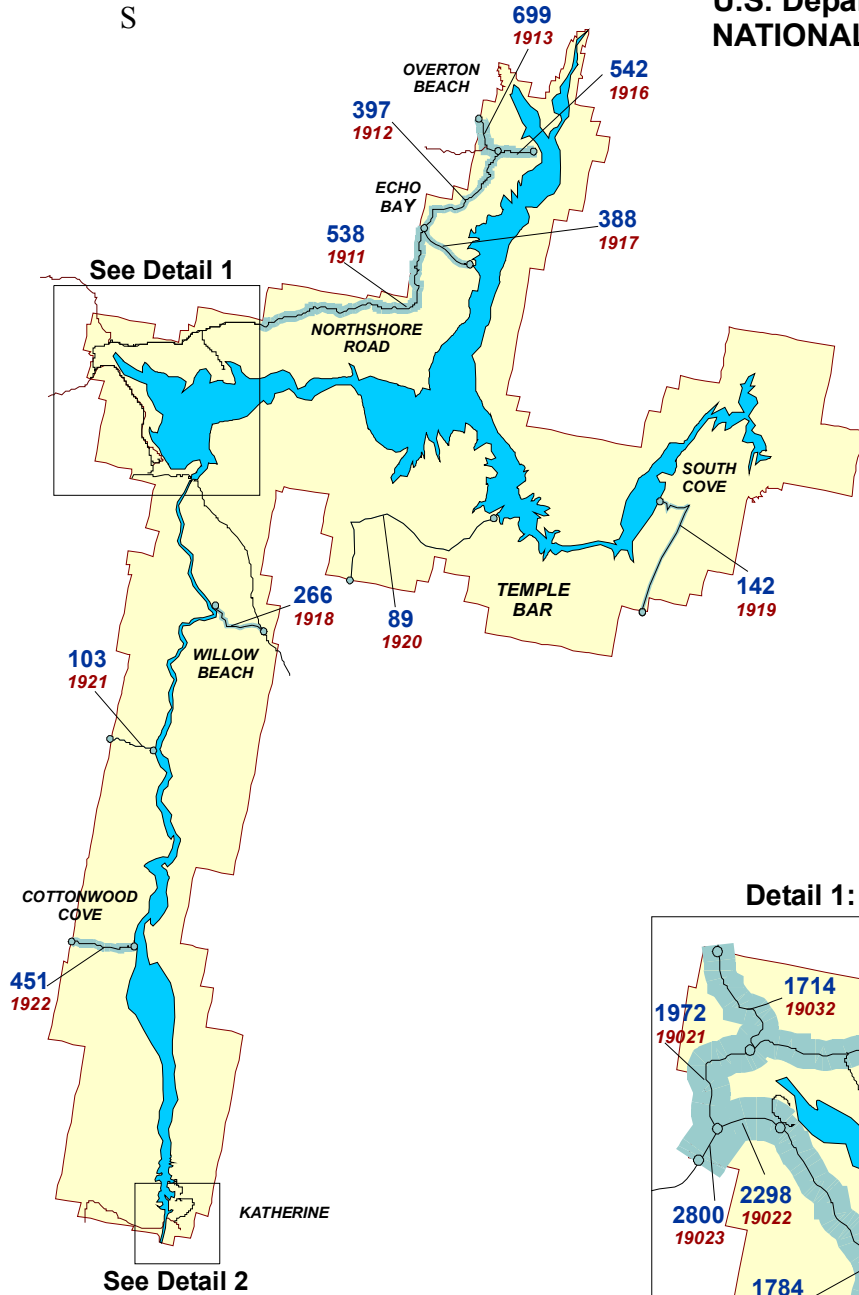
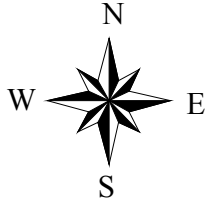


Lake Mead National Recreation Area Traffic Package

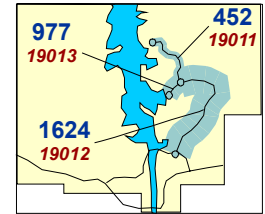


Lake Mead National Recreation Area

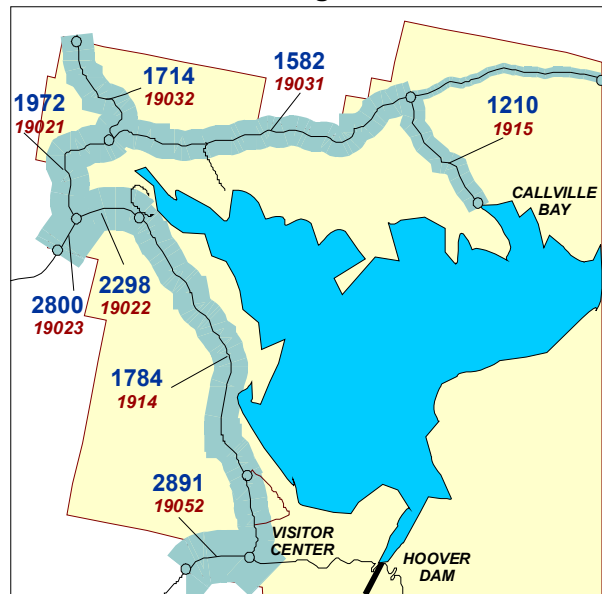
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Detail 2: Katherine



Detail 1: Las Vegas Entrance



LAKE MEAD NATIONAL RECREATION AREA TRAFFIC TRENDS SUMMARY

Rt. No.	Roadway Segment	Sta. ID.	Length	AADT				VMT(1000's)			
				1988	1991	1994	2003	1988	1991	1994	2003
1	Northshore Rd. - Lakeshore Rd. to Lake Mead Blvd.	19021	3.2	1607	1740	1836	1972	1877	2032	2144	2303
1	Northshore Rd. - Lake Mead Blvd. To Callville Bay Rd.	19031	7.9	1662	1721	1817	1582	4792	4963	5239	4562
1	Northshore Rd. - Callville Bay Rd. to Echo Bay Rd.	1911	24.2	1474	340	723	538	13020	3003	6386	4752
1	Northshore Rd. - Echo Bay Rd. to Overton Beach Road	1912	9.76	1474	282	402	397	5251	1005	1432	1414
1	Northshore Rd. - Overton Beach Road to North Park Bdry.	1913	2.59	1470	349	661	699	1390	330	625	661
2	Lake Mead Blvd. - Northshore Rd. to West Park Bdry.	19032	2.58	2044	1763	1861	1714	1925	1660	1753	1614
3	Lakeshore Rd. - U.S. Hwy. 93 to Boulder Beach Rd.	19051*	1.88	3123	3176	3353	1784	2143	2179	2301	1224
3	Lakeshore Rd. - Boulder Beach Rd. to Las Vegas Wash.	1914	7.34	2800	2676	2453	1784	7501	7169	6572	4780
3	Lakeshore Rd. - Las Vegas Wash to Northshore Rd.	19022	1.85	2682	3445	3637	2298	1811	2326	2456	1552
3	Lakeshore Rd. - Northshore Rd. to West Park Bdry.	19023	0.62	2638	3083	3255	2800	597	698	737	634
10	Callville Bay Rd. - Northshore Rd. to Callville Bay	1915	3.88	100	496	1501	1210	142	702	2126	1714
11	Overton Beach Rd. - Northshore Rd. to Lake Mead	1916	2.92	100	283	490	542	107	302	522	578
112	Echo Bay Rd. - Northshore Rd. to Lake Mead	1917	4.72	100	289	607	388	172	498	1046	668
113	Willow Beach Rd. - U. S. Hwy. 93 to Willow Beach	1918	4.64	100	222	218	266	169	376	369	450
114	Katherine Access Rd. - Ariz. Hwy. 68 to Cabinsite Rd.	19012	3.34	1982	2232	1744	1624	2416	2721	2126	1980
114	Katherine Access Rd. - Cabinsite Rd. to Launch Ramp	19013	0.7	1882	1867	1536	977	481	477	392	250
115	Pearce Ferry Rd. - South Park Boundary to Lake Mead	1919	13.54	10	262	412	142	49	1295	2036	702
116	Temple Bar Rd. - South Park Boundary to Lake Mead	1920	17.09	10	104	145	89	62	649	904	555
235	Eldorado Canyon Rd. - West Park Boundary to Lake Mohave	1921	4.14	20	26	84	103	30	39	127	156
237	Cottonwood Cove Rd. - West Park Boundary to Lake Mohave	1922	5.26	20	200	417	451	38	384	801	866
260	Cabinsite Rd. - Katherine Access Rd. to Cabinsite	19011	1.38	444	506	546	452	224	255	275	228
VMT SUMMARY								44198	33063	40369	31641

Note: AADT -- Annual Average Daily Traffic
VMT-- Vehicle Miles of Travel

* ATR Station 19051 experienced equipment problems during the study. The 2003 value is based on the nearby coverage count station 1914.

LAKE MEAD NATIONAL RECREATION AREA

2003 TRAFFIC VOLUME SUMMARY

Sta. ID.	STATION LOCATION	BEGIN DATE	24 HR. VOL.	SEAS. FACT.	ANN. FACT.	SADT	AADT	REF. STA.
19011	Cabinsite Rd. - Katherine Access Rd. to Cabinsite					748	452	Self
19012	Katherine Access Rd. - Ariz. Hwy. 68 to Cabinsite Rd.					2062	1624	Self
19013	Katherine Access Rd. - Cabinsite Rd. to Launch Ramp					1195	977	Self
19052	US Highway 93					3075	2891	Self
19021	Northshore Rd. - Lakeshore Rd. to Lake Mead Blvd.	6/14/03	3110	0.67464	0.63423	2098	1972	19052
19022	Lakeshore Rd. - Las Vegas Wash to Northshore Rd.	6/14/03	3624	0.67464	0.63423	2445	2298	19052
19023	Lakeshore Rd. - Northshore Rd. to West Park Bdry.	6/14/03	4414	0.67464	0.63423	2978	2800	19052
19031	Northshore Rd. - Lake Mead Blvd. To Callville Bay Rd.	6/14/03	2495	0.67464	0.63423	1683	1582	19052
19032	Lake Mead Blvd. - Northshore Rd. to West Park Bdry.	6/14/03	2703	0.67464	0.63423	1824	1714	19052
1911	Northshore Rd. - Callville Bay Rd. to Echo Bay Rd.	6/14/03	849	0.67464	0.63423	573	538	19052
1912	Northshore Rd. - Echo Bay Rd. to Overton Beach Road	6/14/03	626	0.67464	0.63423	422	397	19052
1913	Northshore Rd. - Overton Beach Road to North Park Bdry.	6/14/03	1102	0.67464	0.63423	743	699	19052
1914	Lakeshore Rd. - Boulder Beach Rd. to Las Vegas Wash.	6/14/03	2813	0.67464	0.63423	1898	1784	19052
1915	Callville Bay Rd. - Northshore Rd. to Callville Bay	6/14/03	1908	0.67464	0.63423	1287	1210	19052
1916	Overton Beach Rd. - Northshore Rd. to Lake Mead	6/14/03	854	0.67464	0.63423	576	542	19052
1917	Echo Bay Rd. - Northshore Rd. to Lake Mead	6/14/03	612	0.67464	0.63423	413	388	19052
1918	Willow Beach Rd. - U. S. Hwy. 93 to Willow Beach	6/14/03	604	0.53853	0.4401	325	266	19013
1919	Pearce Ferry Rd. - South Park Boundary to Lake Mead	6/14/03	323	0.53853	0.4401	174	142	19013
1920	Temple Bar Rd. - South Park Boundary to Lake Mead	6/14/03	202	0.53853	0.4401	109	89	19013
1921	Eldorado Canyon Rd. - West Park Boundary to Lake Mohave	6/14/03	234	0.53853	0.4401	126	103	19013
1922	Cottonwood Cove Rd. - West Park Boundary to Lake Mohave	6/14/03	1025	0.53853	0.4401	552	451	19013

Note: AADT -- Annual Average Daily Traffic
 SADT -- Seasonal Average Daily Traffic computed using data for the months containing 80% of annual volume.
 REF. STA. -- a permanent Automated Traffic Recorder (ATR) reference station used to obtain seasonal and annual adjustment factors for coverage counts.

LAKE MEAD NATIONAL RECREATION AREA

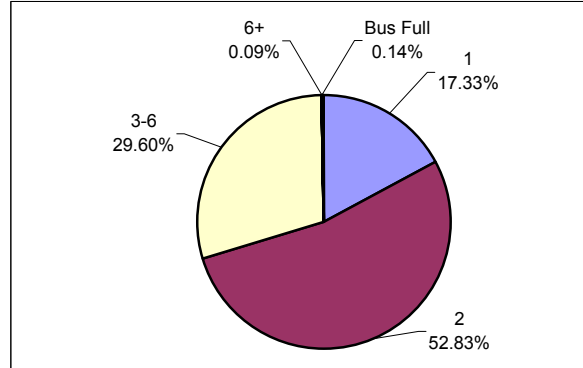
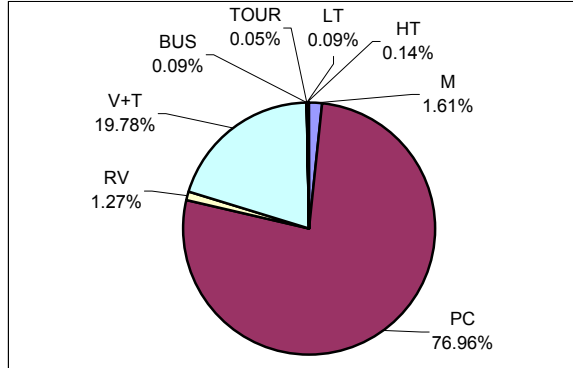
2003 TRAFFIC COMPOSITION SUMMARY

Vehicle Classification

Vehicle Occupancy

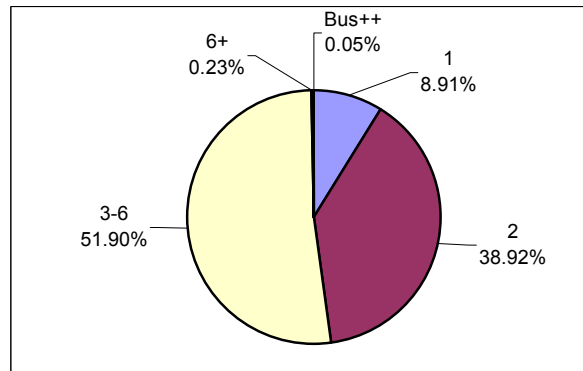
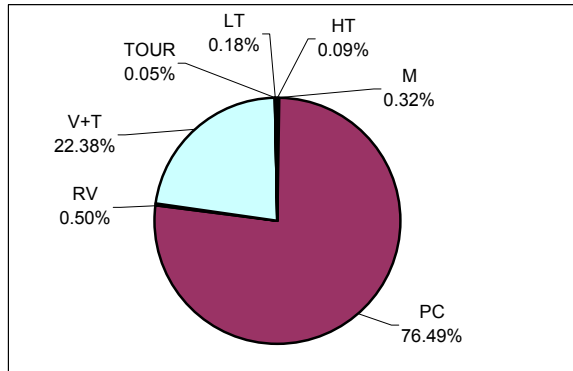
Location: STATION 19051

Location: STATION 19051



Location: STATION 19012

Location: STATION 19012



CLASSIFICATION LEGEND:

OCCUPANCY LEGEND:

No.	Vehicle Type	FHWA Class
M	Motorcycles	Class 1
PC	Passenger Cars	Class 2
RV	Recreational Vehicles	N/A
V+T	Vehicles/RV pulling Trailer	N/A
BUS	Transit/Shuttle Buses	Class 4
TOUR	Tour Buses	Class 4
LT	Light-duty Trucks	Classes 3, 5
HT	Heavy-duty Trucks	Classes 6 - 13

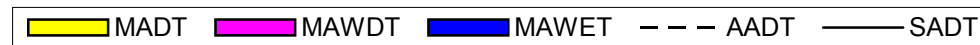
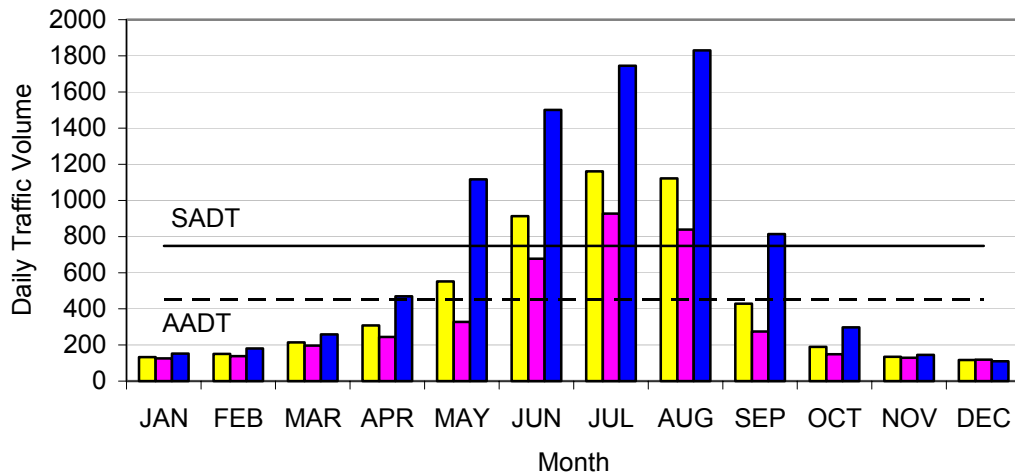
No.	Vehicle Occupancy
1	1 Occupant
2	2 Occupants
3-6	3-6 Occupants (car load)
6+	More than 6 Occupants, (non-Bus)
Bus 0	Bus, No Passengers
Bus +	Bus, Few Passengers
Bus++	Bus, Semi-Loaded
Bus Full	Bus, Fully Loaded

Note: Vehicle Classifications and Vehicle Occupancy values represented by 0% (No Occurrence) are not shown on the charts.

LAKE MEAD NATIONAL RECREATION AREA

Station: 19011 Cabinsite Rd. - Katherine Access Rd. to Cabinsite

Month	Year	Average Day of Month (MADT)	Average Weekday of Month (MAWDT)	Average Weekend Day of Month (MAWET)	Annual Average Daily Traffic Factor (AADTF)	Seasonal Average Daily Traffic Factor (SADTF)
1	2003	133	125	153	2.9542	4.8889
2	2003	150	138	180	2.5111	4.1556
3	2003	214	196	259	1.7452	2.8880
4	2003	308	244	469	0.9638	1.5949
5	2003	553	327	1117	0.4047	0.6697
6	2002	913	677	1501	0.3011	0.4983
7	2002	1161	927	1746	0.2589	0.4284
8	2002	1122	839	1830	0.2470	0.4087
9	2002	429	275	814	0.5553	0.9189
10	2002	190	148	298	1.5168	2.5101
11	2002	134	129	145	3.1172	5.1586
12	2002	117	119	110	4.1091	6.8000
Annual Average Daily Traffic (AADT)				452		
Annual Average Weekday Traffic (AAWDT)				345		
Annual Average Weekend Traffic (AAWET)				719		
Seasonal Average Daily Traffic (SADT)				748		

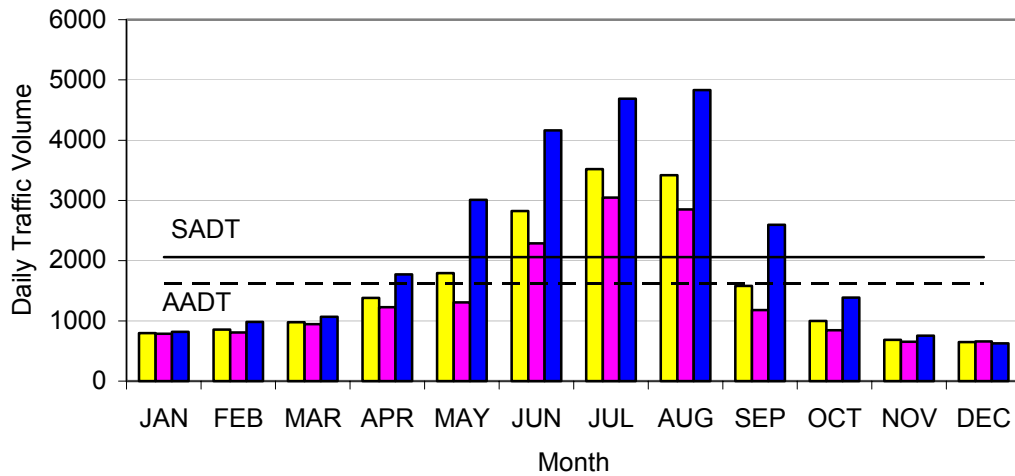


Note: AADTF is used to adjust coverage traffic volumes to AADT volume.
 SADTF is used to adjust coverage traffic volumes to SADT volume.
 SADT -- Seasonal Average Daily Traffic for the months containing 80% of annual volume.

LAKE MEAD NATIONAL RECREATION AREA

Station: 19012 Katherine Access Rd. - Ariz. Hwy. 68 to Cabinsite Rd.

Month	Year	Average Day of Month (MADT)	Average Weekday of Month (MAWDT)	Average Weekend Day of Month (MAWET)	Annual Average Daily Traffic Factor (AADTF)	Seasonal Average Daily Traffic Factor (SADTF)
1	2003	796	786	819	1.9823	2.5177
2	2003	857	808	980	1.6566	2.1041
3	2003	979	944	1066	1.5230	1.9343
4	2003	1383	1226	1774	0.9152	1.1623
5	2003	1794	1308	3011	0.5392	0.6848
6	2002	2824	2288	4163	0.3900	0.4953
7	2002	3518	3049	4690	0.3462	0.4397
8	2002	3417	2852	4831	0.3361	0.4268
9	2002	1584	1180	2594	0.6259	0.7949
10	2002	1000	845	1387	1.1705	1.4867
11	2002	683	655	753	2.1560	2.7384
12	2002	647	656	624	2.6018	3.3045
Annual Average Daily Traffic (AADT)				1624		
Annual Average Weekday Traffic (AAWDT)				1383		
Annual Average Weekend Traffic (AAWET)				2224		
Seasonal Average Daily Traffic (SADT)				2062		

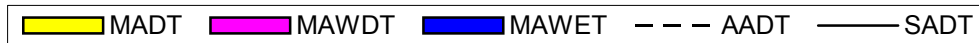
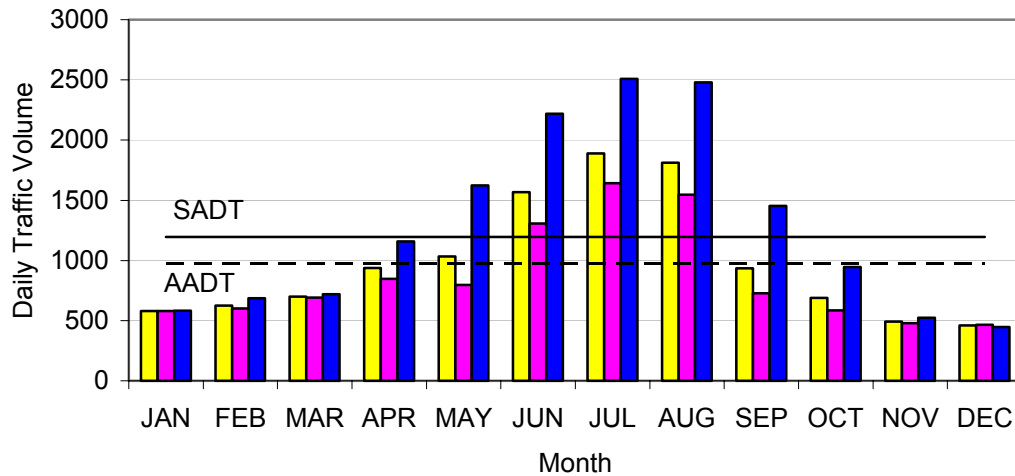


Note: AADTF is used to adjust coverage traffic volumes to AADT volume.
 SADTF is used to adjust coverage traffic volumes to SADT volume.
 SADT -- Seasonal Average Daily Traffic for the months containing 80% of annual volume.

LAKE MEAD NATIONAL RECREATION AREA

Station: 19013 Katherine Access Rd. - Cabinsite Rd. to Launch Ramp

Month	Year	Average Day of Month (MADT)	Average Weekday of Month (MAWDT)	Average Weekend Day of Month (MAWET)	Annual Average Daily Traffic Factor (AADTF)	Seasonal Average Daily Traffic Factor (SADTF)
1	2003	579	578	582	1.6780	2.0533
2	2003	625	601	685	1.4257	1.7445
3	2003	700	692	720	1.3564	1.6597
4	2003	937	848	1159	0.8426	1.0311
5	2003	1033	797	1624	0.6013	0.7358
6	2002	1568	1307	2219	0.4401	0.5385
7	2002	1890	1642	2509	0.3892	0.4763
8	2002	1812	1546	2479	0.3939	0.4820
9	2002	935	728	1453	0.6721	0.8224
10	2002	688	585	945	1.0334	1.2646
11	2002	492	479	523	1.8673	2.2849
12	2002	460	465	446	2.1896	2.6794
Annual Average Daily Traffic (AADT)				977		
Annual Average Weekday Traffic (AAWDT)				856		
Annual Average Weekend Traffic (AAWET)				1279		
Seasonal Average Daily Traffic (SADT)				1195		

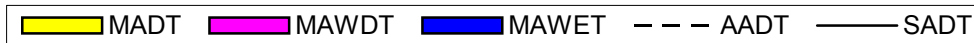
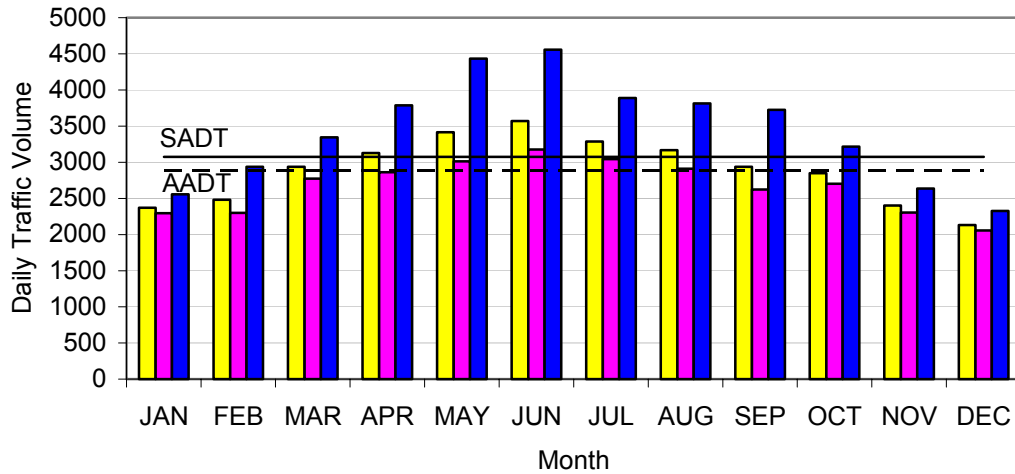


Note: AADTF is used to adjust coverage traffic volumes to AADT volume.
 SADTF is used to adjust coverage traffic volumes to SADT volume.
 SADT -- Seasonal Average Daily Traffic for the months containing 80% of annual volume.

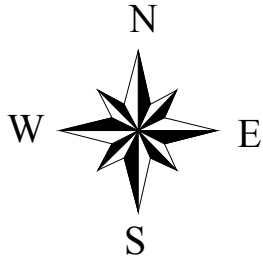
LAKE MEAD NATIONAL RECREATION AREA

Station: 19052 US Highway 93

Month	Year	Average Day of Month (MADT)	Average Weekday of Month (MAWDT)	Average Weekend Day of Month (MAWET)	Annual Average Daily Traffic Factor (AADTF)	Seasonal Average Daily Traffic Factor (SADTF)
1	2003	2372	2298	2556	1.1310	1.2031
2	2003	2483	2302	2937	0.9843	1.0470
3	2003	2938	2775	3347	0.8637	0.9187
4	2003	3128	2864	3788	0.7632	0.8118
5	2003	3418	3012	4434	0.6520	0.6935
6	2003	3573	3179	4558	0.6342	0.6746
7	2002	3286	3045	3890	0.7431	0.7905
8	2002	3169	2910	3815	0.7578	0.8060
9	2002	2939	2624	3727	0.7756	0.8251
10	2002	2849	2702	3217	0.8986	0.9559
11	2002	2401	2307	2635	1.0971	1.1670
12	2002	2134	2057	2328	1.2418	1.3209
Annual Average Daily Traffic (AADT)				2891		
Annual Average Weekday Traffic (AAWDT)				2673		
Annual Average Weekend Traffic (AAWET)				3436		
Seasonal Average Daily Traffic (SADT)				3075		



Note: AADTF is used to adjust coverage traffic volumes to AADT volume.
 SADTF is used to adjust coverage traffic volumes to SADT volume.
 SADT -- Seasonal Average Daily Traffic for the months containing 80% of annual volume.



Lake Mead National Recreation Area

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