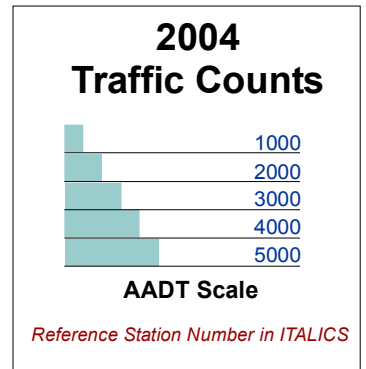
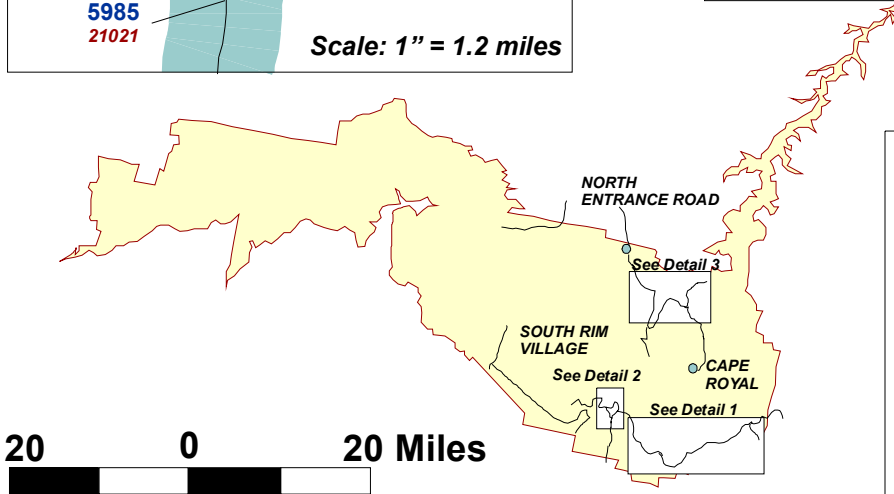
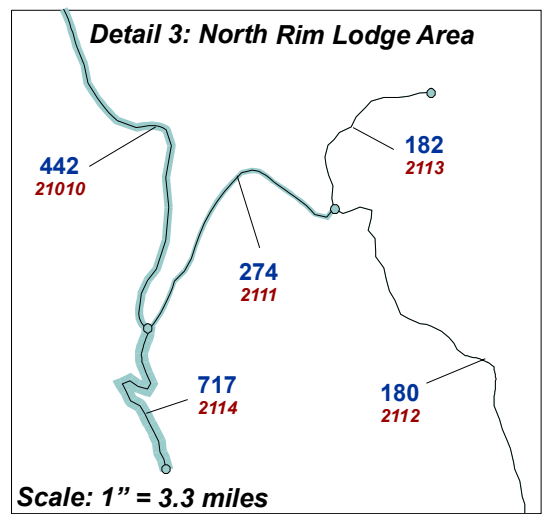
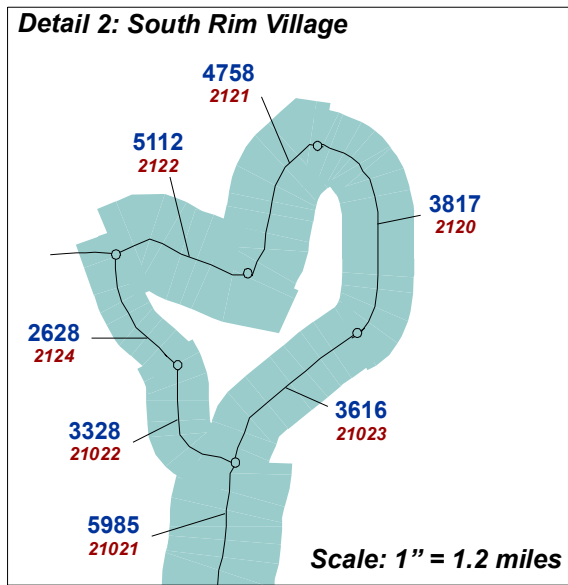
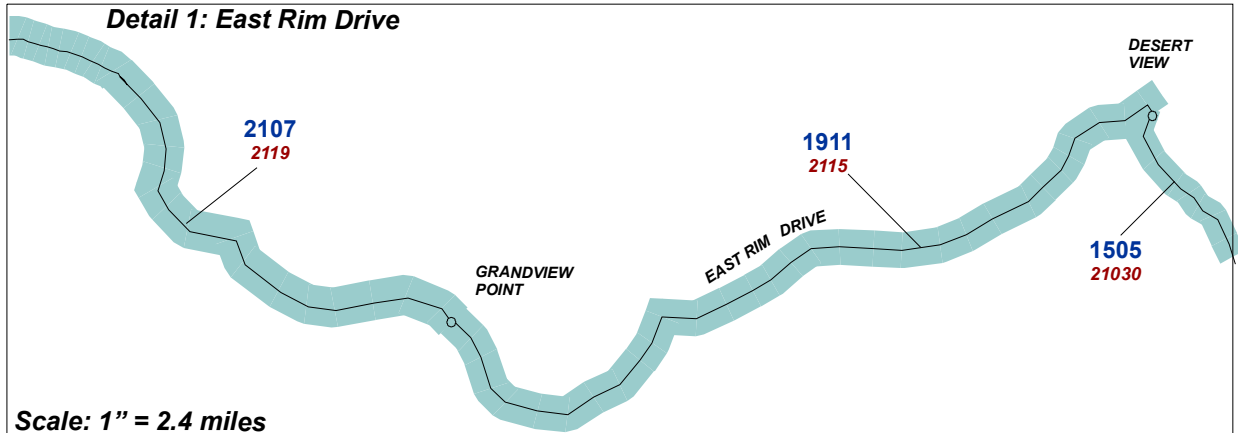
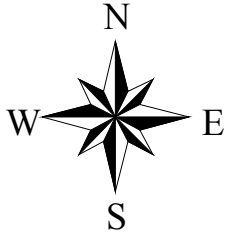


Grand Canyon National Park Traffic Package



Grand Canyon National Park

Arizona
U.S. Department of Interior
NATIONAL PARK SERVICE



GRAND CANYON NATIONAL PARK

TRAFFIC TRENDS SUMMARY

Rt. No.	Roadway Segment	Sta. ID.	Length	AADT				VMT(1000's)				
				1988	1991	1994	2004	1988	1991	1994	2004	
10	Point Imperial Rd.- Cape Royal Rd. to Point Imperial	2113	2.64	170	194	216	182	164	187	208	175	
11	East Rim Dr.- South Entrance Rd. to Grandview Point Rd.	2119	8.49	1900	2298	2181	2107	5888	7121	6759	6529	
11	East Rim Dr.- Grandview Point Rd. to Desert View	2115	13.12	2020	1575	1996	1911	9673	7542	9558	9151	
11	East Rim Dr.- Desert View to East Park Bdry.	21030	3.70	1256	1423	1584	1505	1696	1922	2139	2033	
12	South Entrance Rd. - South Park Bdry. to Center Rd.	21021	3.28	5011	6206	7404	5985	5999	7430	8864	7165	
12	South Entrance Rd. - Center Rd. to East Rim Drive	21023	1.29	4223	4755	5569	3616	1988	2239	2622	1703	
12	South Entrance Rd. - East Rim Drive to Yavapai Point	2120	1.33	5350	5175	6648	3817	2597	2512	3227	1853	
12	South Entrance Rd. - Yavapai Point to Visitor Center	2121	0.56	5790	5420	6624	4758	1183	1108	1354	973	
12	South Entrance Rd. - Visitor Center to Grand Canyon Village	2122	0.94	6210	5615	6274	5112	2131	1927	2153	1754	
13	Cape Royal Rd.- North Entrance Rd. to Point Imperial Rd.	2111	5.47	220	265	303	274	439	529	605	547	
13	Cape Royal Rd.- Point Imperial Rd. to Cape Royal	2112	14.32	180	199	234	180	941	1040	1223	941	
14	North Entrance Rd.- North Park Bdry. to Cape Royal Rd.	21010	9.81	473	516	549	442	1694	1848	1966	1583	
14	North Entrance Rd.- Cape Royal Rd. to North Rim Lodge	2114	3.11	590	1034	743	717	670	1174	843	814	
16	Center Rd.- South Entrance Rd. to Clinic Road	21022	0.62	1238	1070	1286	3328	280	242	291	753	
16	Center Rd.- Clinic Road to Grand Canyon Village	2124	0.99	2000	1280	1146	2628	723	463	414	950	
Note: AADT -- Annual Average Daily Traffic							36066	37283	42227	36923		
VMT-- Vehicle Miles of Travel												

GRAND CANYON NATIONAL PARK

2004 TRAFFIC VOLUME SUMMARY

Sta. ID.	STATION LOCATION	BEGIN DATE	24 HR. VOL.	SEAS. FACT.	ANN. FACT.	SADT	AADT	REF. STA.
21010	North Entrance Rd.- North Park Bdry. to Cape Royal Rd.					1107	442	Self
21021	South Entrance Rd. - South Park Bdry. to Center Rd.					6758	5985	Self
21023	South Entrance Rd. - Center Rd.to East Rim Drive					4380	3616	Self
2111	Cape Royal Rd.- North Entrance Rd. to Point Imperial Rd.	9/13/2004	662	1.0355	0.41316	686	274	21010
2112	Cape Royal Rd.- Point Imperial Rd. to Cape Royal	9/13/2004	436	1.0355	0.41316	451	180	21010
2113	Point Imperial Rd.- Cape Royal Rd. to Point Imperial	9/13/2004	440	1.0355	0.41316	456	182	21010
2114	North Entrance Rd.- Cape Royal Rd. to North Rim Lodge	9/13/2004	1735	1.0355	0.41316	1797	717	21010
2115	East Rim Dr.- Grandview Point Rd. to Desert View	9/13/2004	2040	1.1350	0.93692	2315	1911	21023
2119	East Rim Dr.- South Entrance Rd. to Grandview Point Rd.	9/13/2004	2249	1.1350	0.93692	2553	2107	21023
2120	South Entrance Rd. - East Rim Drive to Yavapai Point	9/13/2004	4074	1.1350	0.93692	4624	3817	21023
2121	South Entrance Rd. - Yavapai Point to Visitor Center	9/13/2004	5078	1.1350	0.93692	5764	4758	21023
2122	South Entrance Rd. - Visitor Center to Grand Canyon Village	9/13/2004	5456	1.1350	0.93692	6193	5112	21023
2124	Center Rd.- Clinic Road to Grand Canyon Village	9/13/2004	2826	1.0502	0.93011	2968	2628	21021
21022	Center Rd.- South Entrance Rd. to Clinic Road	9/13/2004	3578	1.0502	0.93011	3758	3328	21021
21030	East Rim Dr.- Desert View to East Park Bdry.	9/13/2004	1606	1.1350	0.93692	1823	1505	21023

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.

GRAND CANYON NATIONAL PARK

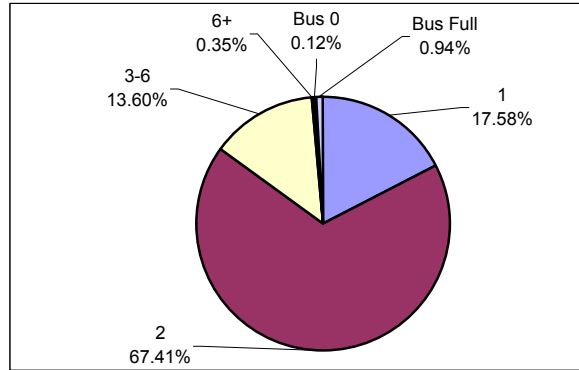
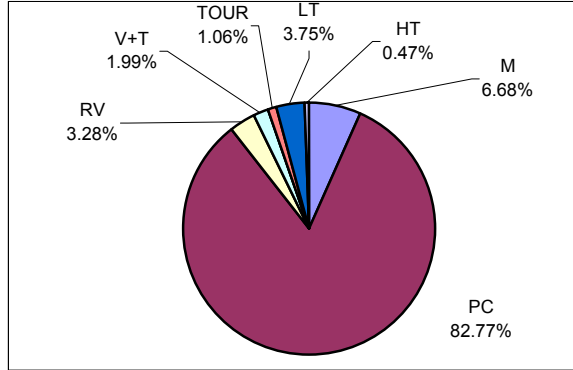
2004 TRAFFIC COMPOSITION SUMMARY

Vehicle Classification

Vehicle Occupancy

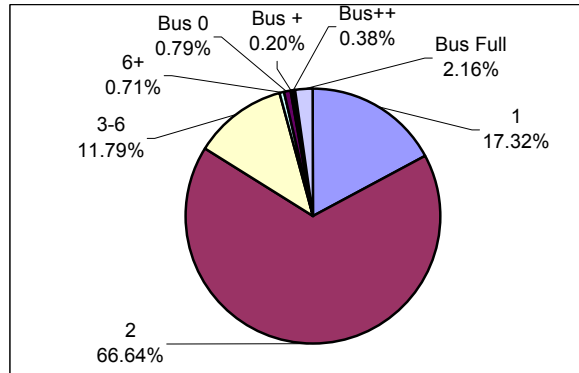
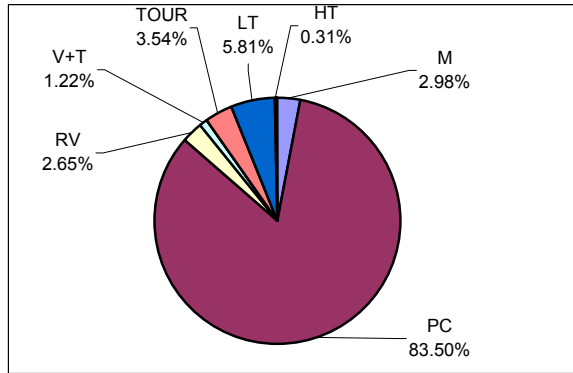
Location: STATION 21010

Location: STATION 21010



Location: STATION 21021

Location: STATION 21021



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.

GRAND CANYON NATIONAL PARK

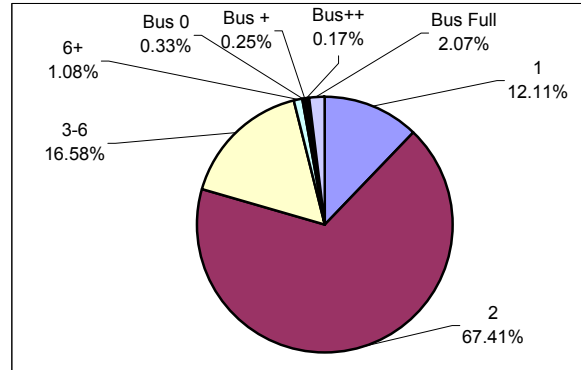
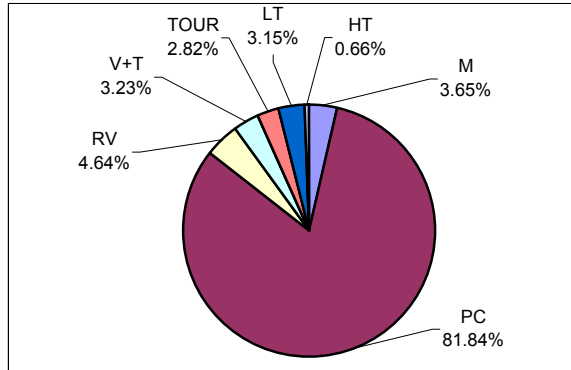
2004 TRAFFIC COMPOSITION SUMMARY

Vehicle Classification

Vehicle Occupancy

Location: STATION 21030

Location: STATION 21030



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

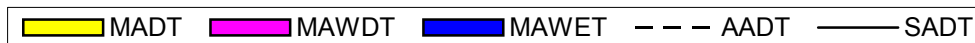
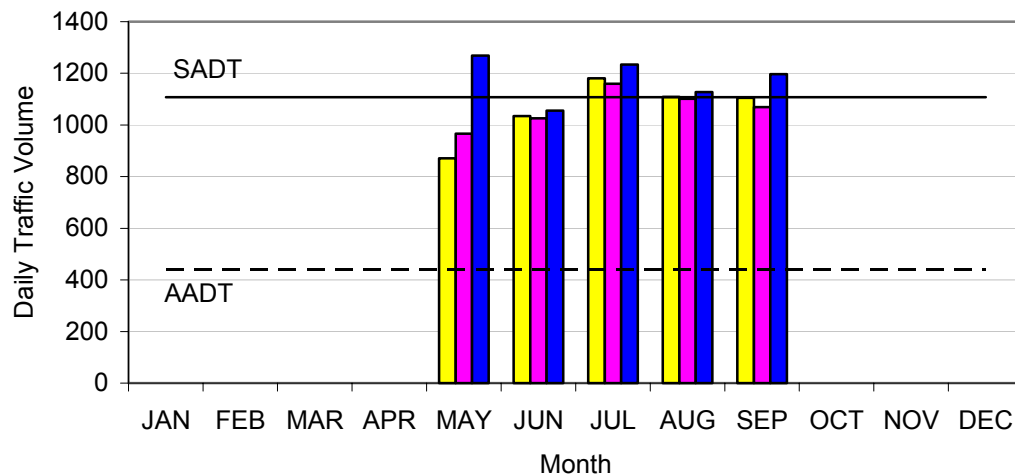
No.	Vehicle Occupancy
1	1 Occupant
2	2 Occupants
3-6	3-6 Occupants (car load)
6+	More than 6 Occupants, (non-Bus)
Bus 0	Bus, No Passengers
Bus +	Bus, Few Passengers
Bus++	Bus, Semi-Loaded
Bus Full	Bus, Fully Loaded

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

GRAND CANYON NATIONAL PARK

Station: 21010 North Entrance Rd.- North Park Bdry. to Cape Royal 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	C	0	0	0	C	C
2	C	0	0	0	C	C
3	C	0	0	0	C	C
4	C	0	0	0	C	C
5	2004	871	966	1269	0.4572	1.1460
6	2004	1034	1026	1056	0.4305	1.0789
7	2004	1181	1160	1234	0.3807	0.9543
8	2004	1109	1102	1127	0.4008	1.0045
9	2004	1105	1069	1197	0.4132	1.0355
10	C	0	0	0	C	C
11	C	0	0	0	C	C
12	C	0	0	0	C	C
Annual Average Daily Traffic (AADT)				442		
Annual Average Weekday Traffic (AAWDT)				444		
Annual Average Weekend Traffic (AAWET)				490		
Seasonal Average Daily Traffic (SADT)				1107		

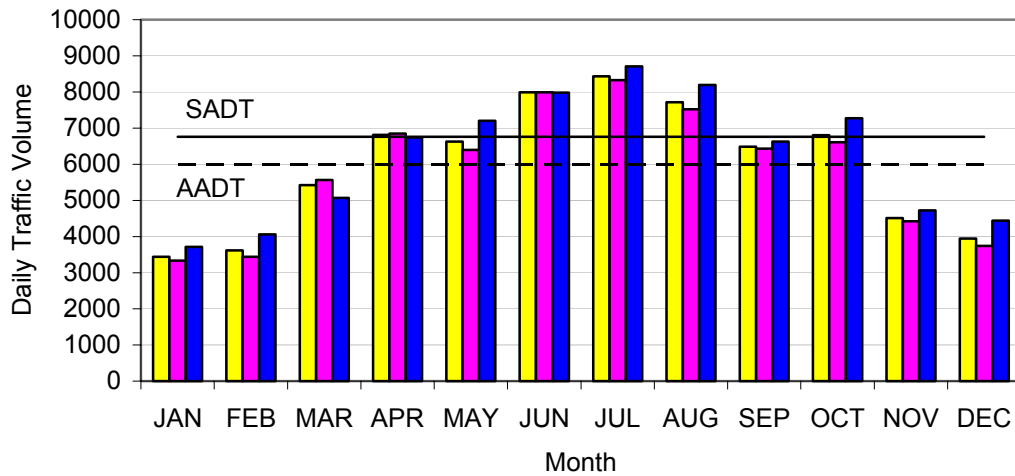


Note: AADTF is used to adjust coverage traffic volumes to AADT volume.
 SADTF is used to adjust coverage traffic volumes to SADT volume.
 SADT -- Seasonal Average Daily Traffic for the months containing 80% of annual volume.
 C = road is seasonally closed to traffic

GRAND CANYON NATIONAL PARK

Station: 21021 South Entrance Rd. - South Park Bdry. to Center 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	3442	3334	3713	1.7952	2.0270
2	2003	3619	3442	4061	1.7389	1.9634
3	2003	5424	5565	5072	1.0755	1.2144
4	2003	6817	6846	6745	0.8743	0.9871
5	2003	6631	6400	7206	0.9352	1.0559
6	2003	7991	7994	7982	0.7487	0.8454
7	2003	8435	8327	8704	0.7188	0.8116
8	2003	7713	7522	8192	0.7957	0.8984
9	2003	6490	6435	6626	0.9301	1.0502
10	2003	6803	6614	7277	0.9049	1.0218
11	2003	4515	4429	4730	1.3514	1.5259
12	2003	3943	3745	4439	1.5982	1.8045
Annual Average Daily Traffic (AADT)				5985		
Annual Average Weekday Traffic (AAWDT)				5888		
Annual Average Weekend Traffic (AAWET)				6229		
Seasonal Average Daily Traffic (SADT)				6758		

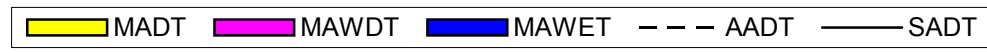
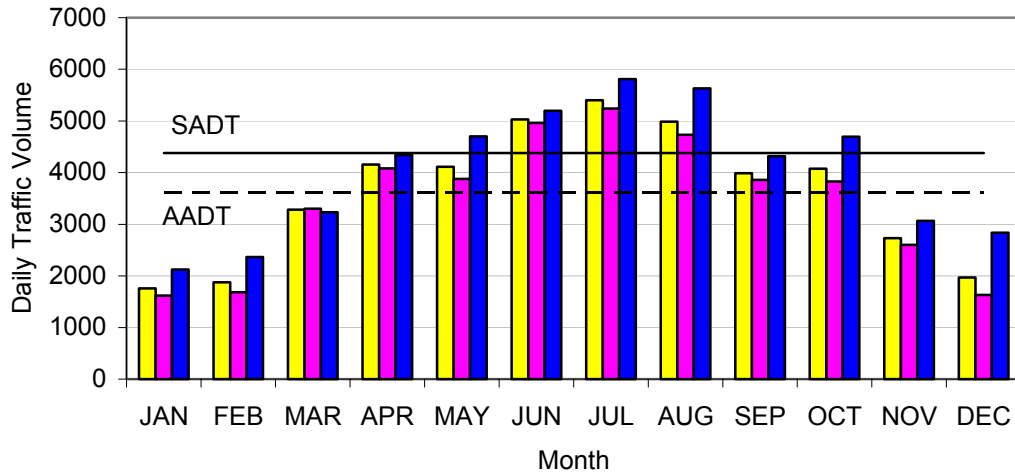


Note: AADTF is used to adjust coverage traffic volumes to AADT volume.
 SADTF is used to adjust coverage traffic volumes to SADT volume.
 SADT -- Seasonal Average Daily Traffic for the months containing 80% of annual volume.

GRAND CANYON NATIONAL PARK

Station: 21023 South Entrance Rd. - Center Rd.to East Rim Drive

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	1761	1616	2122	2.2374	2.7104
2	2003	1877	1682	2366	2.1496	2.6040
3	2003	3282	3300	3236	1.0956	1.3273
4	2003	4159	4084	4345	0.8853	1.0725
5	2003	4113	3876	4704	0.9328	1.1300
6	2003	5031	4965	5197	0.7282	0.8822
7	2003	5402	5239	5812	0.6901	0.8360
8	2003	4989	4732	5629	0.7641	0.9256
9	2003	3990	3859	4316	0.9369	1.1350
10	2003	4076	3828	4694	0.9445	1.1442
11	2003	2734	2602	3065	1.3895	1.6833
12	2003	1973	1627	2836	2.2222	2.6921
Annual Average Daily Traffic (AADT)				3616		
Annual Average Weekday Traffic (AAWDT)				3451		
Annual Average Weekend Traffic (AAWET)				4027		
Seasonal Average Daily Traffic (SADT)				4380		



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.

Grand Canyon National Park

Arizona

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