

2008 Aerial Survey of Traffic Congestion in the Baltimore Region





The survey includes 4 years of springtime data collection: 1999, 2002, 2005 & 2008


- 575 miles of highways each year
- An additional 715 centerline miles in 2008
- 24 aerial photographs on each segment
- 2 time periods:
 - Morning Rush Hour: 6:30 - 9:30 a.m.
 - Evening Rush Hour: 4 -7 p.m.

Level of Service = Measure of Performance

- Passenger cars per lane per mile
- LOS "A": densities from zero to 11 (very light traffic);
- LOS "B": densities from 12 to 18 (light to moderate traffic);
- LOS "C": densities from 19 to 26 (moderate traffic);
- LOS "D": densities from 27 to 35 (moderate to heavy traffic);
- LOS "E": densities from 36 to approximately 45 (heavy traffic, but still at speeds close to free-flow)
- LOS "F": densities from 46 and above (heavy to severe, demand exceeding capacity)

Legend

-  Marginal or Intermittent Congestion
-  Heavy or Severe Congestion
-  Traffic Signal
-  Photo Selection / Orientation Arrow - Click for Photos

 Map Scale (one block = one mile)

Arterial / Interrupted-Flow Surrogate LOS Legend

Traffic Condition	Very Light	Light	Moderate	Heavy	Congested	Severe
Level of Service	A	B	C	D	E	F

Freeway / Uninterrupted-Flow LOS Legend

Traffic Condition	Light to Moderate			Heavy	Congested	Severe
Level of Service	A	B	C	D	E	F

Nested Congestion (example to right)

- 1 - Congestion present on some days, but not others
- 2 - Congestion more severe in left or right-hand lanes
- 3 - Congestion present only in the first or second half-hour (hourly averages)
- 4 - The length of the congested zone within the segment varies

E¹

Top 10 Most Congested Freeway Locations

1. EB US 50 from MD 2 to MD 70 (5 - 6 P.M.) *
2. EB I-695 from I-83 to MD 45 (5 - 6 P.M.) *
3. EB MD 100 from I-97 to MD 174 (5 - 6 P.M.) *
4. Inner Loop I-695 from US 40 to I-70 (5 - 6 P.M.) *
5. Outer Loop I-695 from US 1 to MD 41(7:30 - 8:30 A.M.) *
6. SB MD 295 from MD 198 to AA/PG County Line (7:30 - 8:30 A.M.) *
7. NB US 29 from MD 32 to Broken Land Pkwy (5 - 6 P.M.)
8. EB MD 100 from MD 103 to I-95 (7:30 - 8:30 A.M.) *
9. Outer Loop I-695 from I-895 to MD 295 (5 - 6 P.M.)
10. NB MD 295 from MD 198 to MD 32 (4 - 5 P.M.) *

*Indicates that these locations experienced an increase in congestion from 2005.