

# REGIONAL PERFORMANCE MEASURES



## FY16 Update

Presented to TTAC  
by Seth Schipinski  
July 6, 2016



# Background

- In 2009
  - General Assembly passed legislation giving CTB authority to:
    - “require that appropriate regional organizations develop...quantifiable measures and achievable goals...”
- In 2011
  - HRTPO Board and CTB **approved** list of RPMs.
- In 2012
  - HRTPO Board approved desired trends and values for RPMs.
- 2013-2016
  - HRTPO staff calculated latest RPM values.



# HRTPO Categories of RPMs



## A. Transportation System Measures

1. Congestion Reduction
2. Safety
3. Transit Usage
4. HOV Usage
5. Job-to-Housing Ratios
6. Job and Housing Access to Transit
7. Job and Housing Access to Pedestrian Facilities
8. Air Quality
9. Movement of Freight
10. Vehicle Miles Traveled (VMT)
11. Maintenance

## B. Financial System Measures



# Values & Targets



## Hampton Roads Regional Performance Measures

### A. Transportation System Performance Measures<sup>13</sup>

	Data Source	Year 2007	Year 2008	Year 2009	Year 2010	Year 2011	Year 2012	Year 2013	Year 2014	Year 2015	Year 2016	Year 2017	Desired Trend
Actual Trend is Following Desired Trend													
Actual Trend is Going Against Desired Trend													
Actual Trend Unclear													
<u>1. congestion reduction</u>													
Annual Delay, hours per peak auto commuter	Texas Transportation Inst. (TTI)	42	43	42	43	43	43	44	45	n.a.	n.a.	n.a.	↓
Annual Excess Fuel Consumed, gallons per peak auto commute	Texas Transportation Inst. (TTI)	18	18	17	18	18	18	18	19	n.a.	n.a.	n.a.	↓
Travel Time Index (extra time during peak period), %	Inrix via TTI	18%	18%	18%	18%	18%	18%	19%	19%	n.a.	n.a.	n.a.	↓
<u>2. safety</u>													
Annual Roadway Fatalities, number	Virginia DMV <sup>24</sup>	155	153	124	121	136	99	131	125	121	n.a.	n.a.	↓
Annual Roadway Fatalities, per 100 million VMT <sup>25</sup>	Virginia DMV <sup>24</sup>	0.99	1.01	0.97	0.89	0.86	0.81	0.84	0.88	n.a.	n.a.	n.a.	↓
Annual Roadway Injuries, number	Virginia DMV <sup>24</sup>	14,494	14,465	14,004	13,449	14,038	15,034	15,432	14,715	14,955	n.a.	n.a.	↓
Annual Roadway Injuries, per million VMT	Virginia DMV <sup>24</sup>	0.98	0.97	0.95	0.90	0.96	1.04	1.07	1.04	n.a.	n.a.	n.a.	↓
Annual Roadway Crashes, number	Virginia DMV <sup>24</sup>	30,276	27,599	24,005	23,142	24,115	25,192	25,374	24,874	25,310	n.a.	n.a.	↓
Annual Roadway Crashes, per million VMT	Virginia DMV <sup>24</sup>	2.05	1.86	1.63	1.55	1.65	1.74	1.77	1.76	n.a.	n.a.	n.a.	↓
Annual Transit Fatalities, number	Federal Transit Administration (FTA) <sup>6</sup>	0	0	0	0	1	1	0	0	n.a.	n.a.	n.a.	0
Annual Transit Fatalities, per 100 million PMT	Federal Transit Administration (FTA) <sup>6</sup>	0.00	0.00	0.00	0.00	0.85	0.81	0.00	0.00	n.a.	n.a.	n.a.	0
Annual Transit Injuries, number	Federal Transit Administration (FTA) <sup>6</sup>	71	81	109	135	113	73	95	98	n.a.	n.a.	n.a.	↓
Annual Transit Injuries, per 100 million PMT	Federal Transit Administration (FTA) <sup>6</sup>	69	69	102	118	96	59	86	89	n.a.	n.a.	n.a.	↓
Annual Transit Collisions <sup>19</sup> , number	Federal Transit Administration (FTA) <sup>6</sup>	25	15	27	40	30	26	35	30	n.a.	n.a.	n.a.	↓
Annual Transit Collisions <sup>19</sup> , per 100 million PMT	Federal Transit Administration (FTA) <sup>6</sup>	24	13	25	35	26	21	32	27	n.a.	n.a.	n.a.	↓
Annual Aviation Fatalities <sup>22</sup> , number <sup>23</sup>	National Transp. Safety Board (NTSB)	3	0	0	1	2	0	8	0	3	n.a.	n.a.	0
Annual Aviation Accidents <sup>22</sup> , number <sup>23</sup>	National Transp. Safety Board (NTSB)	10	5	6	8	3	1	5	3	3	n.a.	n.a.	↓
Annual Highway-Rail Crossing Accidents <sup>20</sup> , per million population	Federal Railroad Administration (FRA)	5	4	5	2	1	4	4	5	3	n.a.	n.a.	↓
<u>3. transit usage</u>													
Annual Unlinked Passenger Trips (UPT), number	Federal Transit Administration (FTA) <sup>6</sup>	2.7.E+07	2.9.E+07	1.9.E+07	1.9.E+07	1.9.E+07	2.1.E+07	2.1.E+07	2.0.E+07	n.a.	n.a.	n.a.	↓
Annual Unlinked Passenger Trips (UPT), per capita <sup>21</sup>	HRTPO Calculation	18	20	13	13	13	14	14	13	n.a.	n.a.	n.a.	↓
Annual Vehicle Revenue Miles (VRM), number	Federal Transit Administration (FTA) <sup>6</sup>	1.5.E+07	1.6.E+07	1.7.E+07	1.6.E+07	1.6.E+07	1.6.E+07	1.6.E+07	1.6.E+07	n.a.	n.a.	n.a.	↓
Annual Vehicle Revenue Miles (VRM), per capita <sup>24</sup>	HRTPO Calculation	10	11	11	11	11	11	10	10	n.a.	n.a.	n.a.	↓
Annual Passenger Miles Traveled (PMT), number	Federal Transit Administration (FTA) <sup>6</sup>	1.0.E+08	1.2.E+08	1.1.E+08	1.1.E+08	1.2.E+08	1.23E+08	1.1E+08	1.1E+08	n.a.	n.a.	n.a.	↓
Annual Passenger Miles Traveled (PMT), per capita <sup>24</sup>	HRTPO Calculation	70	80	72	77	78	82	72	72	n.a.	n.a.	n.a.	↓
Passengers Boarding or Departing Amtrak Trains (HR) <sup>24</sup>	Amtrak	138,414	166,839	158,914	163,405	175,494	195,263	229,524	215,578	221,917	n.a.	n.a.	↓
Endpoint On-Time Performance, Amtrak (Rich/NN/Nor) <sup>25,26</sup>	Amtrak	n.a.	n.a.	n.a.	n.a.	76%	85%	84%	73%	71%	n.a.	n.a.	↓
Operating Cost Ratio <sup>20</sup> , Amtrak ("Washington-Newport News")	Amtrak	n.a.	n.a.	n.a.	n.a.	0.99	0.87	0.98	0.76	0.81	n.a.	n.a.	↓



# How Are We Doing?



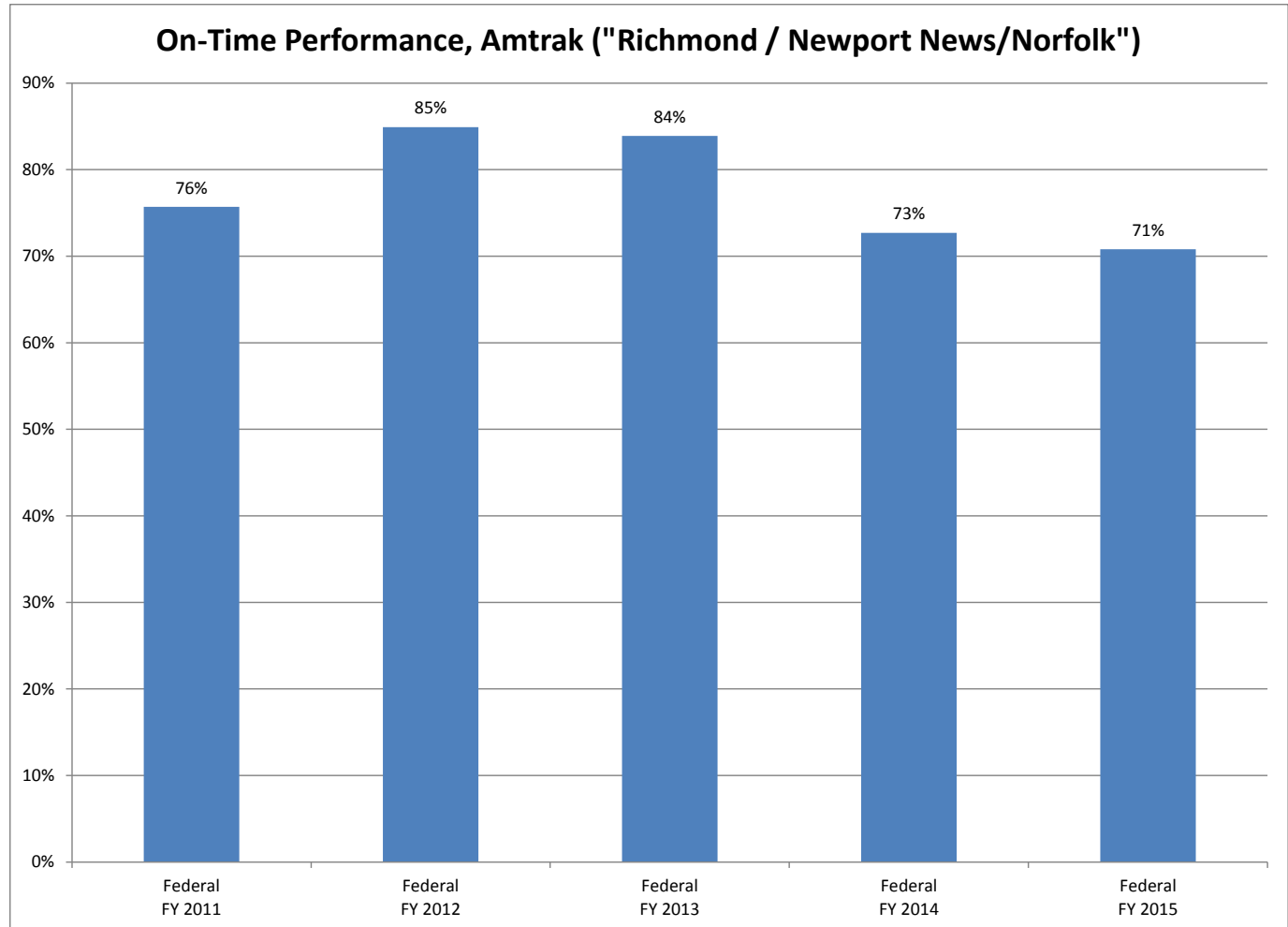
Selected RPM Data



# Amtrak



Although Amtrak on-time performance has declined...



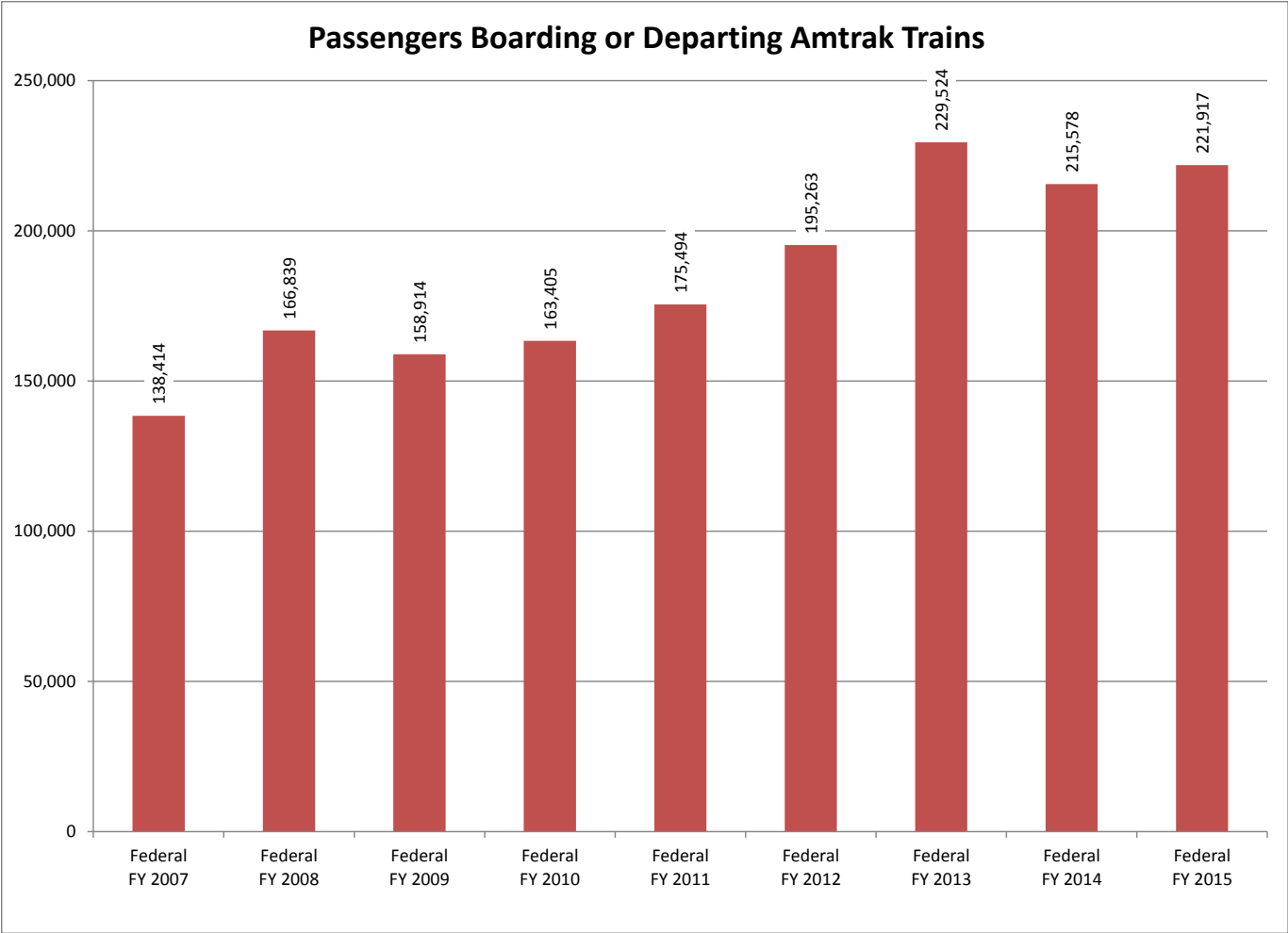


# Amtrak



...Amtrak usage has increased.

Note: Two trains run daily from Newport News; service from Norfolk (one train) began December 2012.

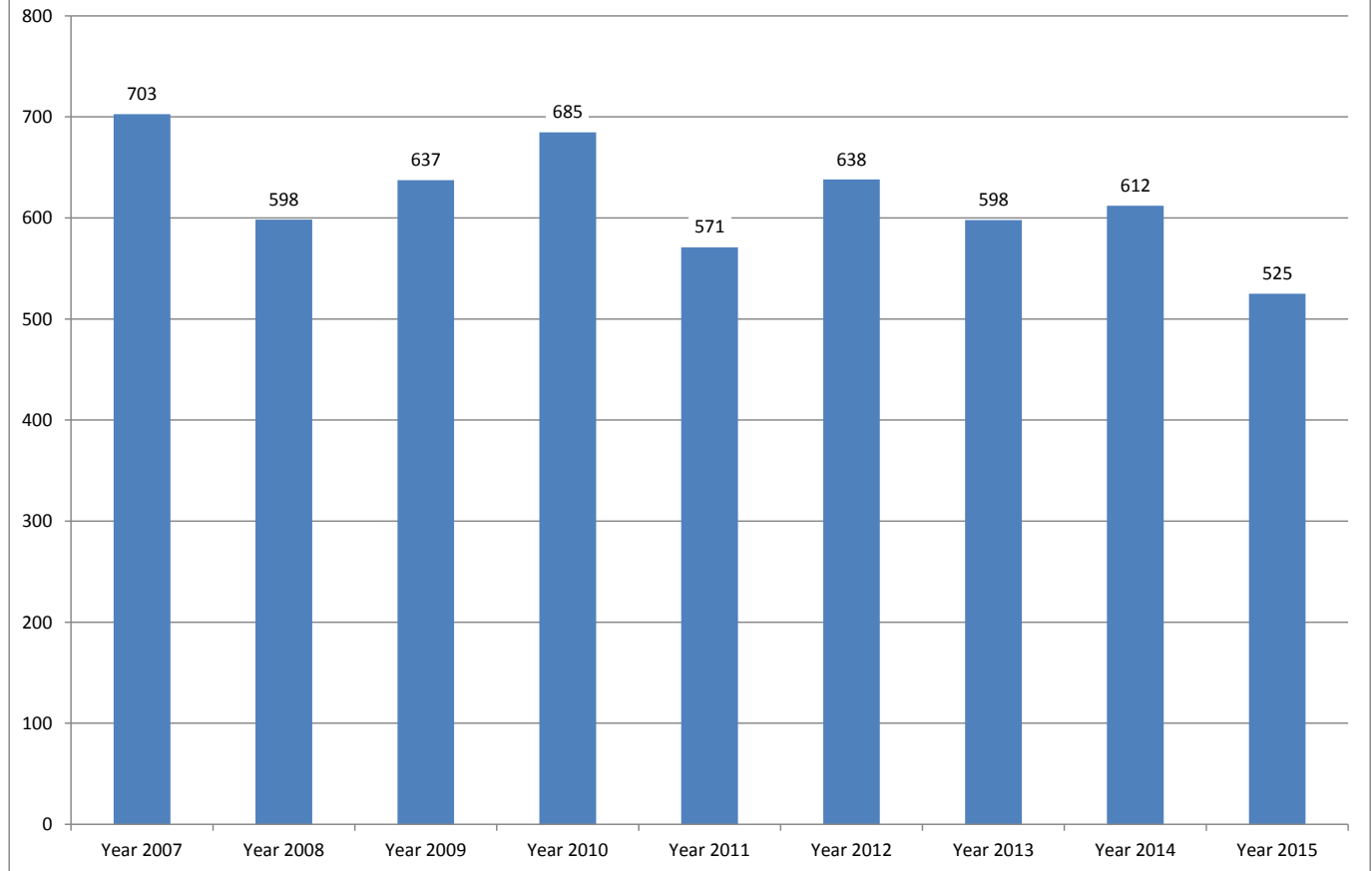


# HOV



HOV usage has declined over the last 10 years.

**HOV Lane Usage, average of all count stations, persons per hour per lane, peak period**



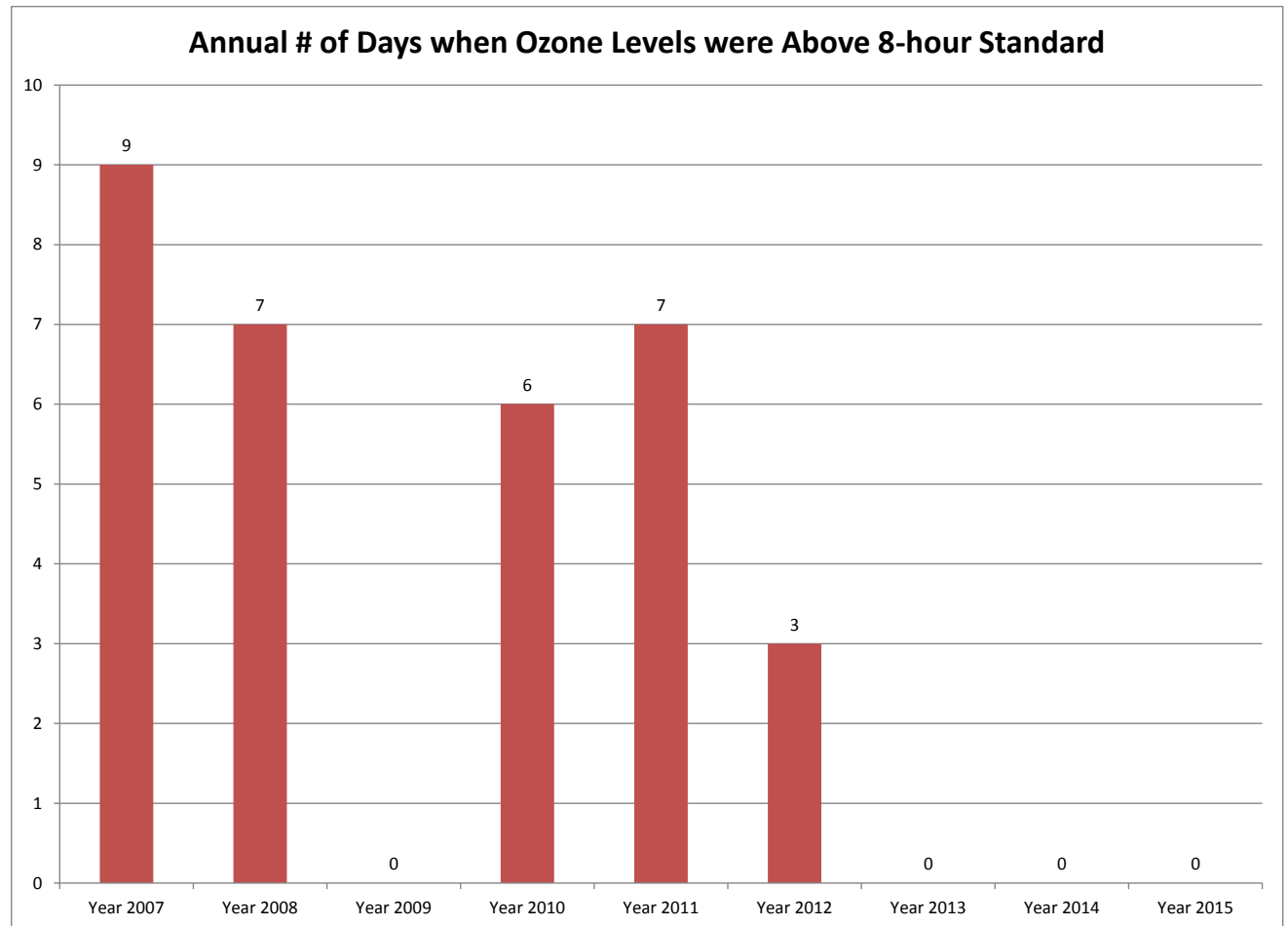


# Air Quality



With no violations in the last three years, Hampton Roads air quality has improved dramatically.

Note: Hampton Roads is “in attainment” for air quality conformity.

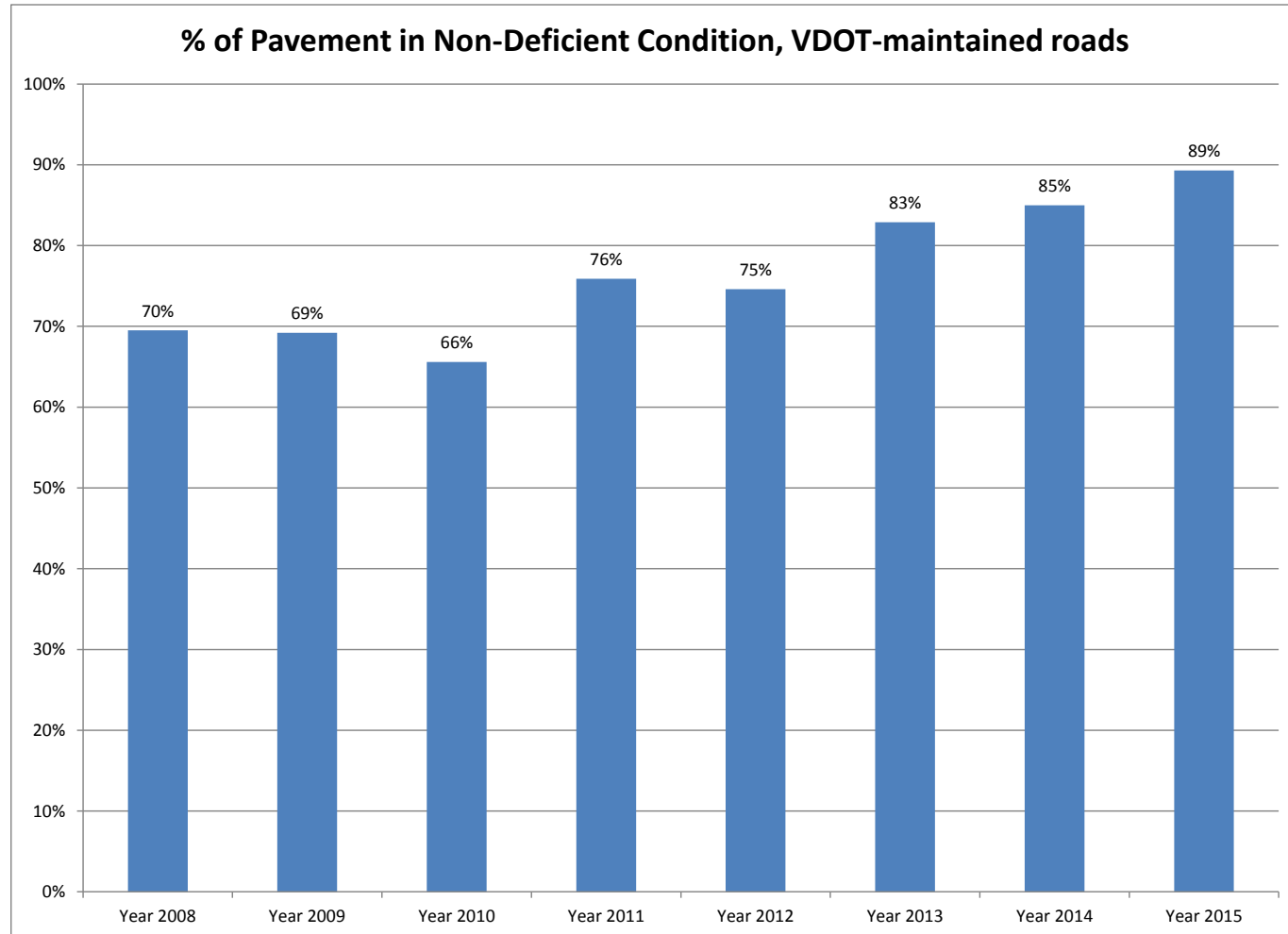




# Pavement



Pavement condition has improved significantly over the last four years.

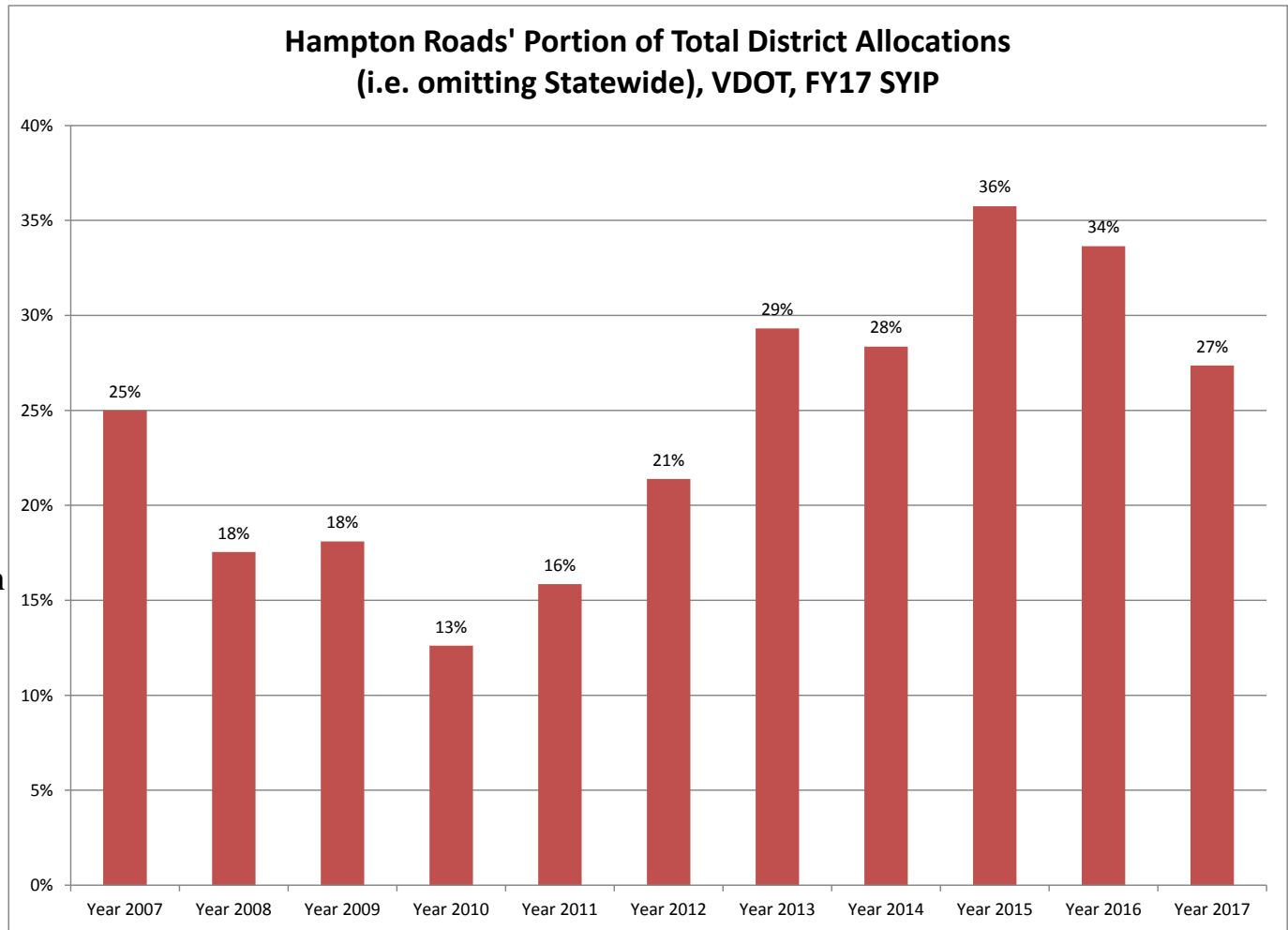


# SYIP



In recent years, allocations to the Hampton Roads District have exceeded the district's share of state population (21%).

Note: HB 1887 (passed in 2014) changed the method of distributing VDOT funds.

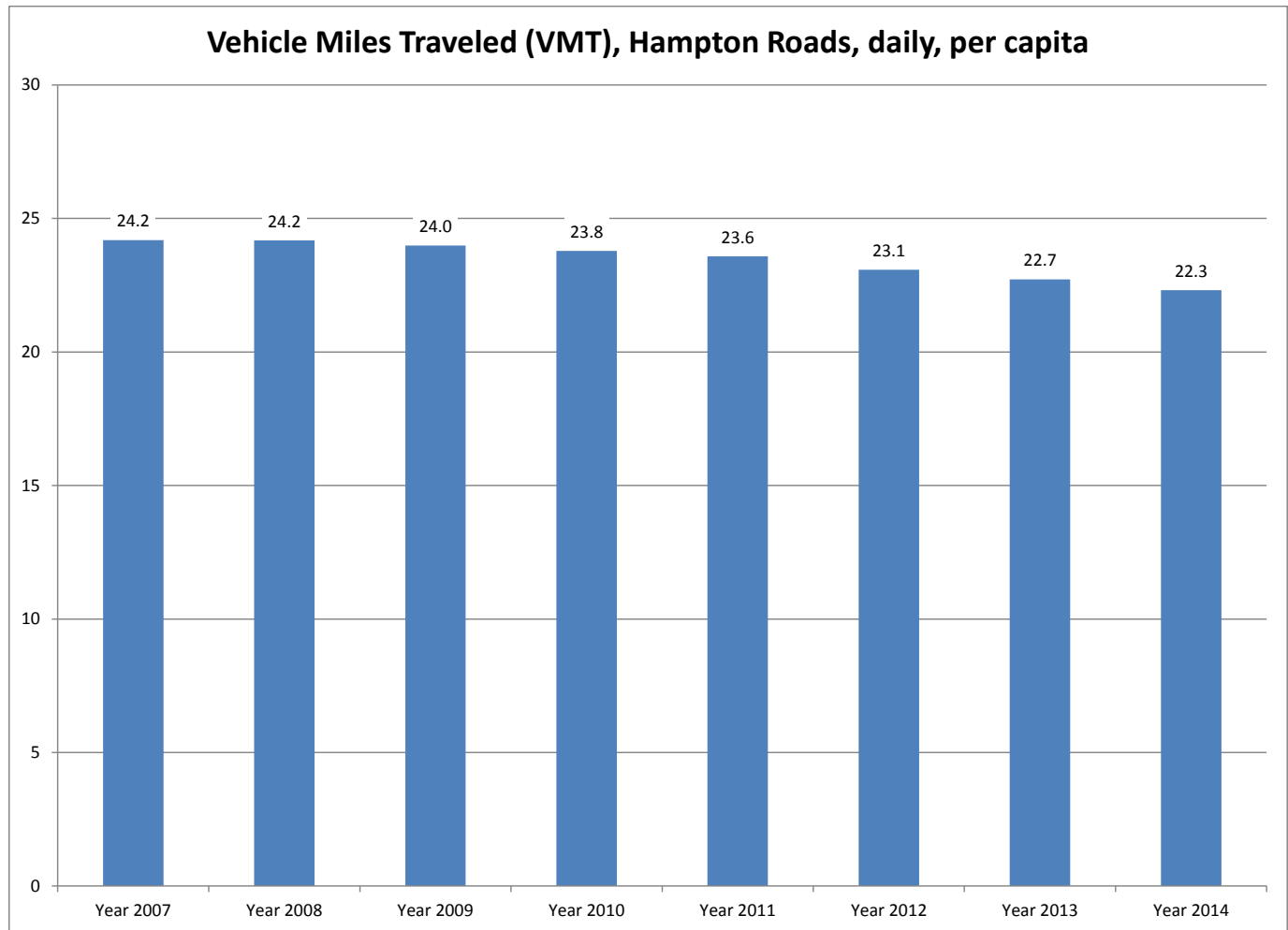


# VMT



The post-recession decline of per capita VMT continues.

Note: The recession began December 2007 and ended June 2009.





## Next Steps

- Public review period from now until 7/20/16.
  - Send comments to [sschipinski@hrtpo.org](mailto:sschipinski@hrtpo.org)
- TTAC and HRTPO Board will be asked to approve final document in September.