

# **HRTPO REGIONAL SAFETY PLANNING EFFORTS**



**HAMPTON ROADS CERTIFICATION REVIEW  
AUGUST 14, 2024**

# REGIONAL SAFETY PLANNING EFFORTS

- Because of the impacts of crashes on the residents and visitors of Hampton Roads, roadway safety has been a priority in the HRTPO regional transportation planning process.
  - Project Prioritization Process
  - Statewide and Regional Committees (i.e. Virginia Strategic Highway Safety Plan Steering Committee)
  - Assisting Localities with their Safety Planning Efforts
  - Hampton Roads Regional Safety Study
  - Special Studies

# REGIONAL SAFETY STUDY

- HRTPO staff has recently completed the *Hampton Roads Regional Safety Study* update.
- Previous versions were released in 2004 and 2014.
- Assistance was provided by a working group of regional safety stakeholders.
- The plan was designed to comply with the federal Safe Streets and Roads for All (SS4A) Discretionary Grant Program.

## REGIONAL SAFETY STUDY SECTIONS

- Introduction
- Vision, Mission, and Goals
- Regional Safety Trends
- Crash Characteristics
- Crash Locations
- Efforts to Improve Roadway Safety
- Equity Analysis
- General Crash Countermeasures
- High Crash Locations Analysis
- Safety Survey
- Next Steps

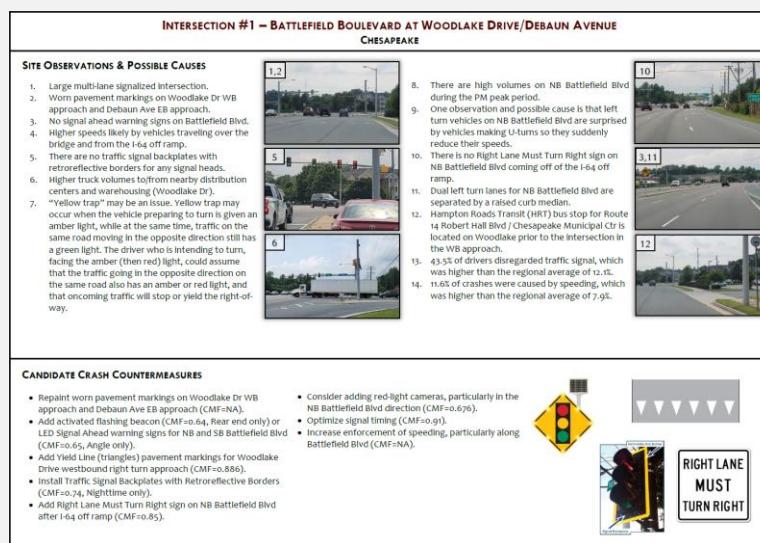
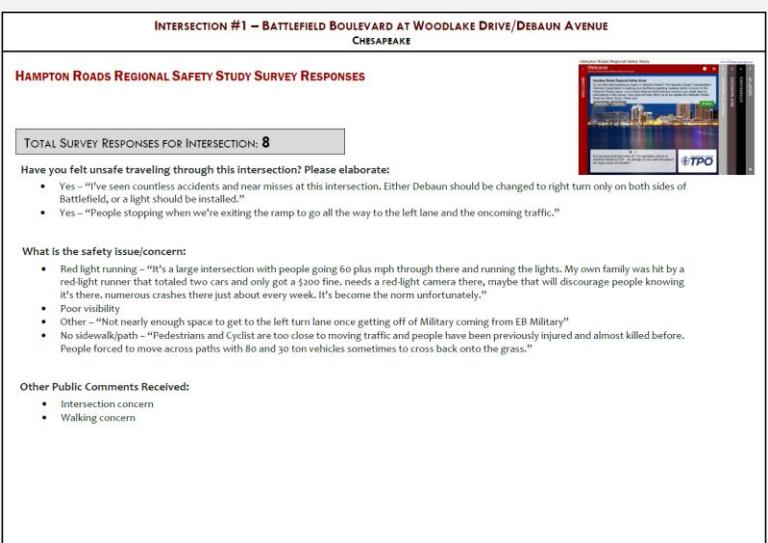
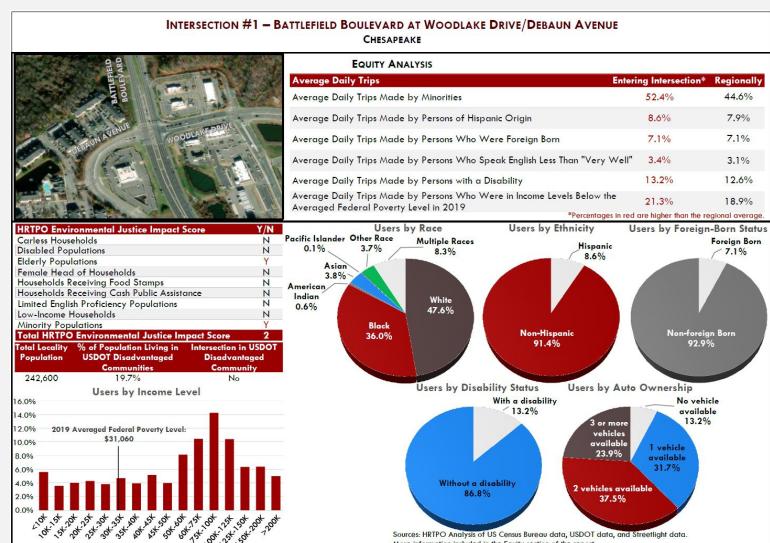
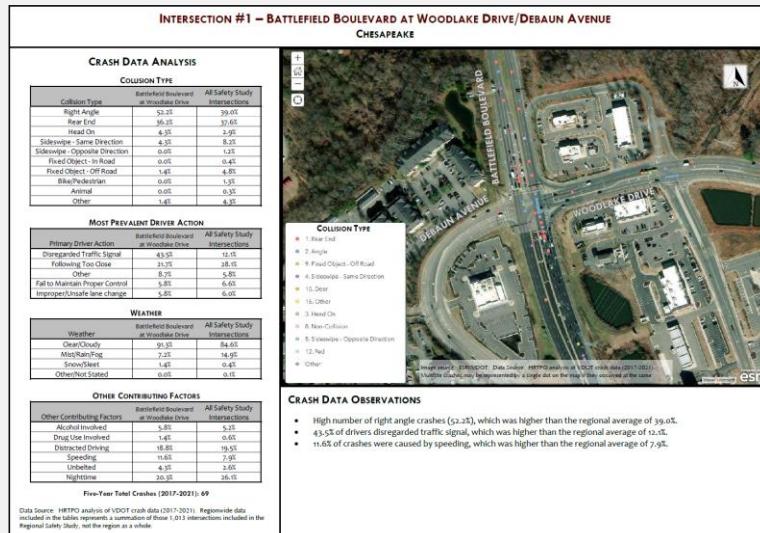
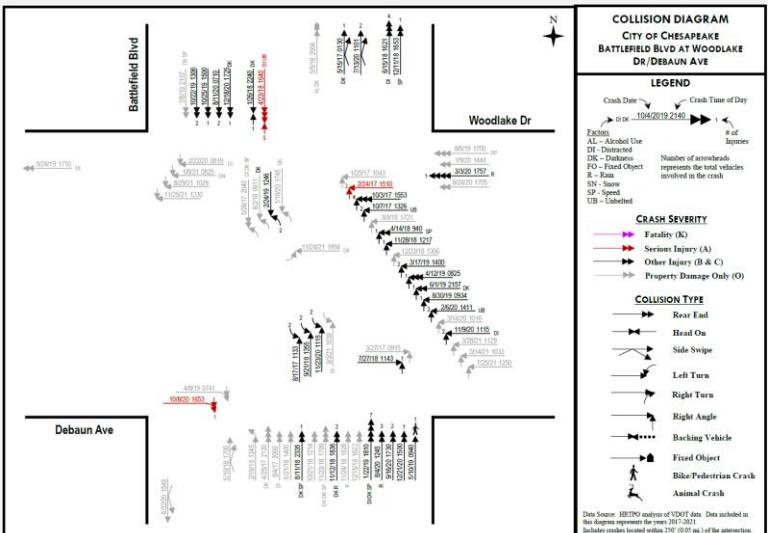
# CRASH LOCATIONS

- Analyzed crash data for the entire freeway system and over 1,000 intersections throughout the region
  - Number of crashes
  - Crash rate
  - Number of fatal & serious injury crashes
  - Fatal & serious injury crash rate
  - Potential for safety improvement (PSI)
- Locality staff were asked to identify one high crash location based on the crash analysis for further study by HRTPO staff.

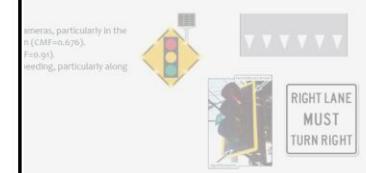
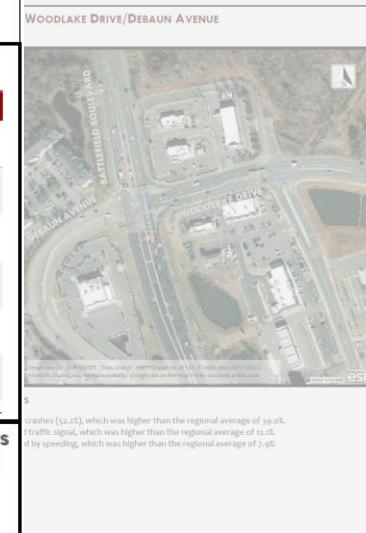
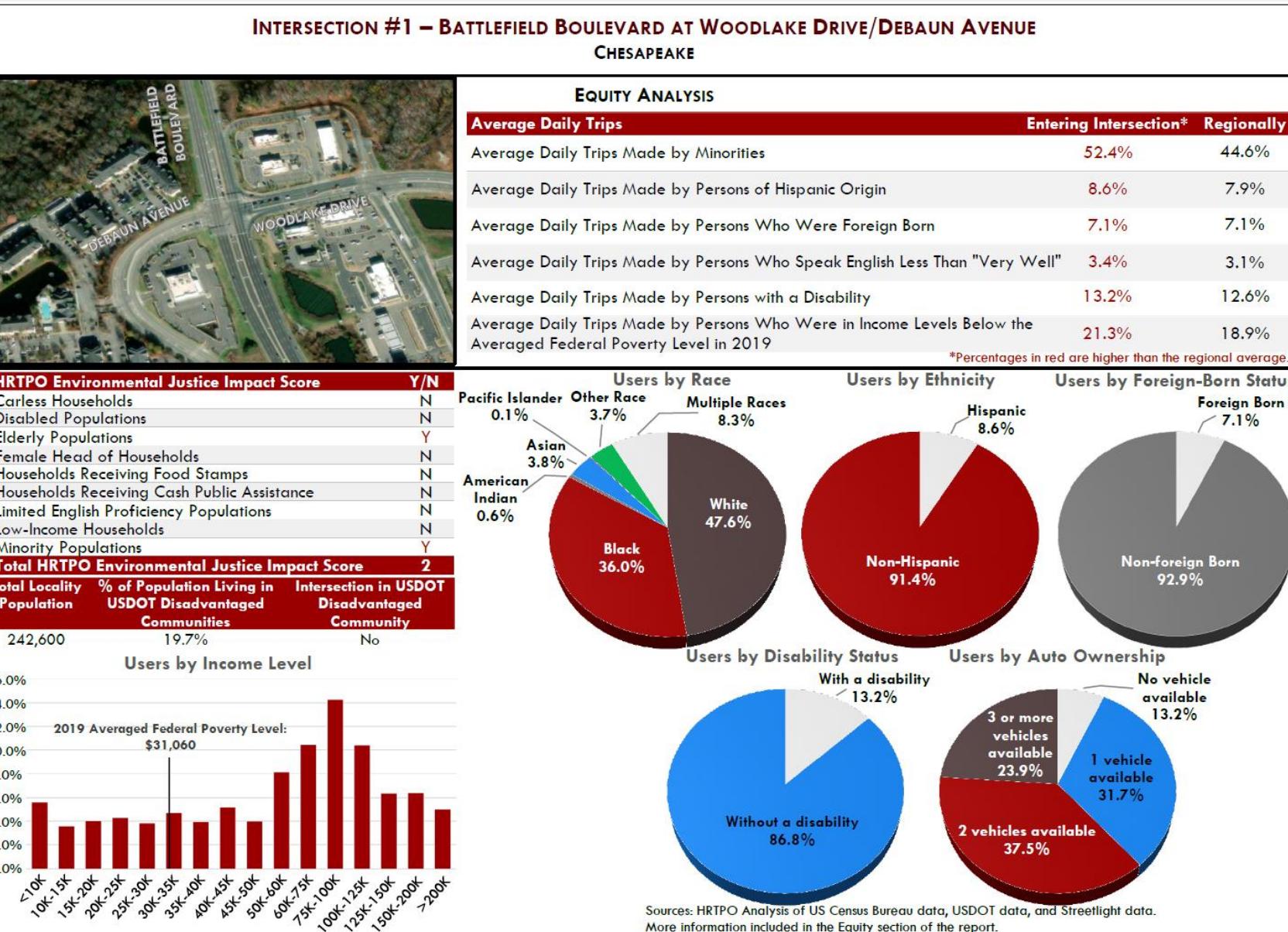
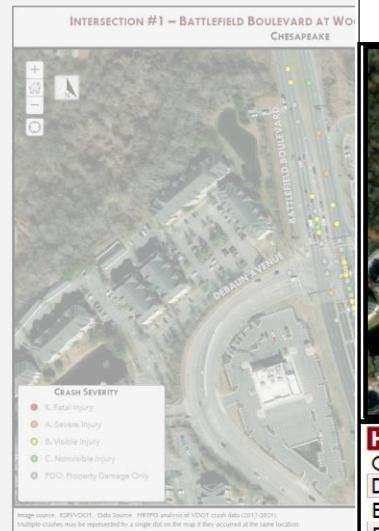
JURISDICTION	LOCATION
CHESAPEAKE	Battlefield Boulevard at Woodlake Drive/Debaun Avenue
FRANKLIN	Armory Drive at College Drive
GLOUCESTER	Route 198 at Route 606 (Harcum Road)
HAMPTON	N Armistead Avenue at LaSalle Avenue
ISLE OF WIGHT	Route 17 (Carrollton Boulevard) at Smiths Neck Road
JAMES CITY	Route 199 at Quarterpath Road/Mounts Bay Road
NEWPORT NEWS	39th Street at Roanoke Avenue
NORFOLK	Colley Avenue at 26th Street and 27th Street
POQUOSON	Wythe Creek Road at Victory Boulevard/Little Florida Road
PORTSMOUTH	High Street at Peninsula Avenue
SOUTHAMPTON	Route 58 at Route 308 (Three Creeks Road)
SUFFOLK	Portsmouth Boulevard at Nansemond Parkway/E. Washington Street
SURRY	Route 10 at Hog Island Road/Mount Ray Drive
VIRGINIA BEACH	Rosemont Road at Holland Road
WILLIAMSBURG	Route 132 (Henry Street) at Route 132Y/Visitor Center Drive
YORK	Hampton Highway at Yorktown Road/Theatre Road

INTERSECTIONS ANALYZED IN REGIONAL SAFETY STUDY

# HIGH CRASH LOCATIONS ANALYSIS

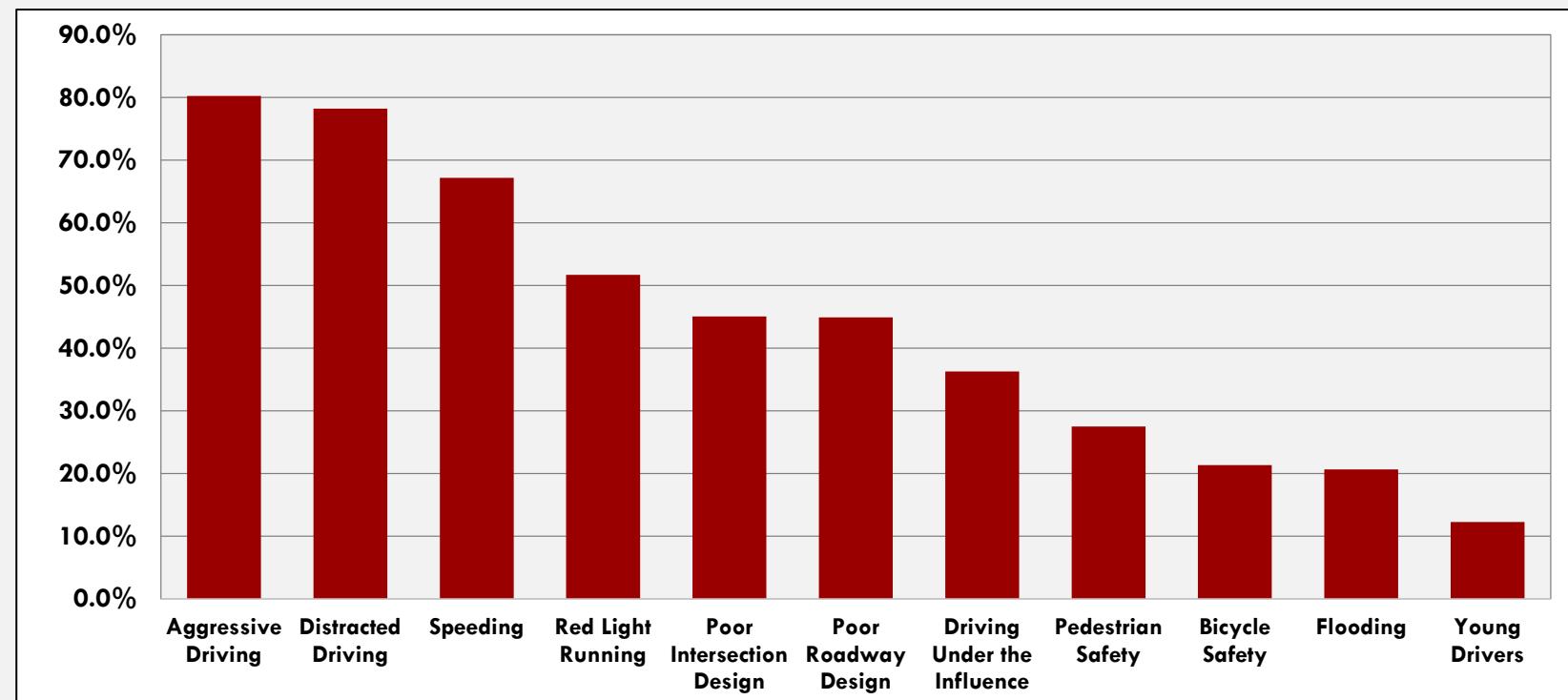


# HIGH CRASH LOCATIONS ANALYSIS - EQUITY



# REGIONAL SAFETY STUDY SURVEY

- In order to gather feedback on roadway safety concerns, HRTPO prepared and disseminated a public survey
  - Safety Concerns/ Priority Ranking
  - Crash Locations/ Map Markers
  - Strategies
- 1,485 responses
- 2,596 locations

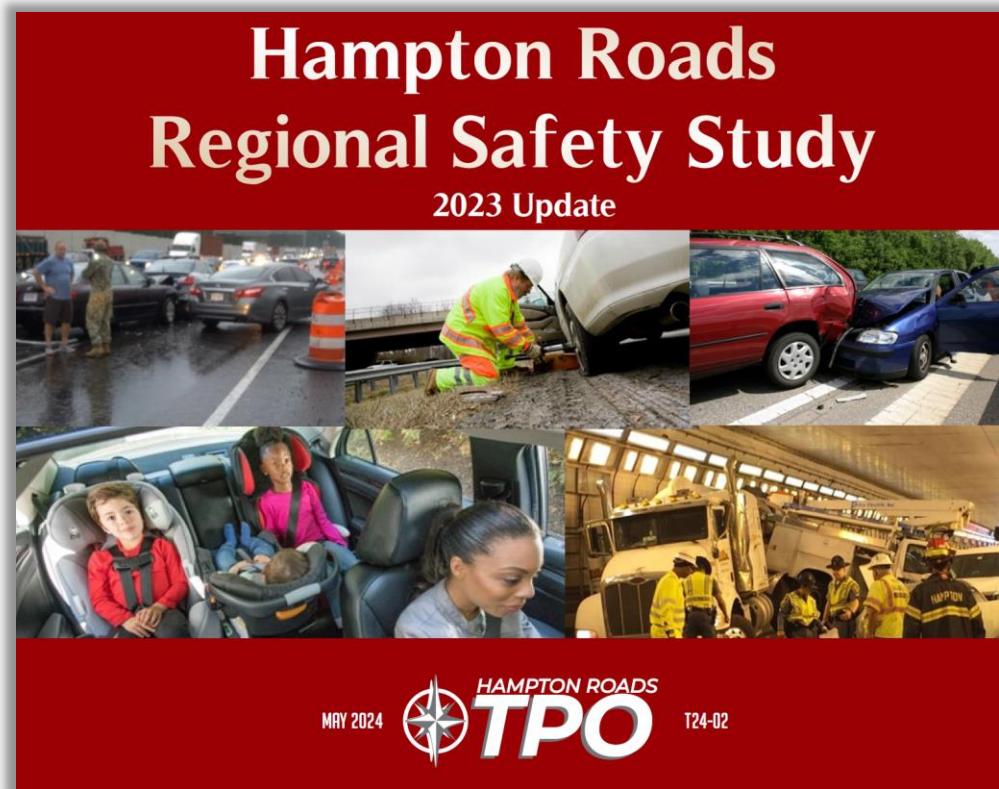


PERCENTAGE OF SURVEY RESPONSES WITH EACH SAFETY CONCERN IN THE TOP 5

Source: HRTPO.

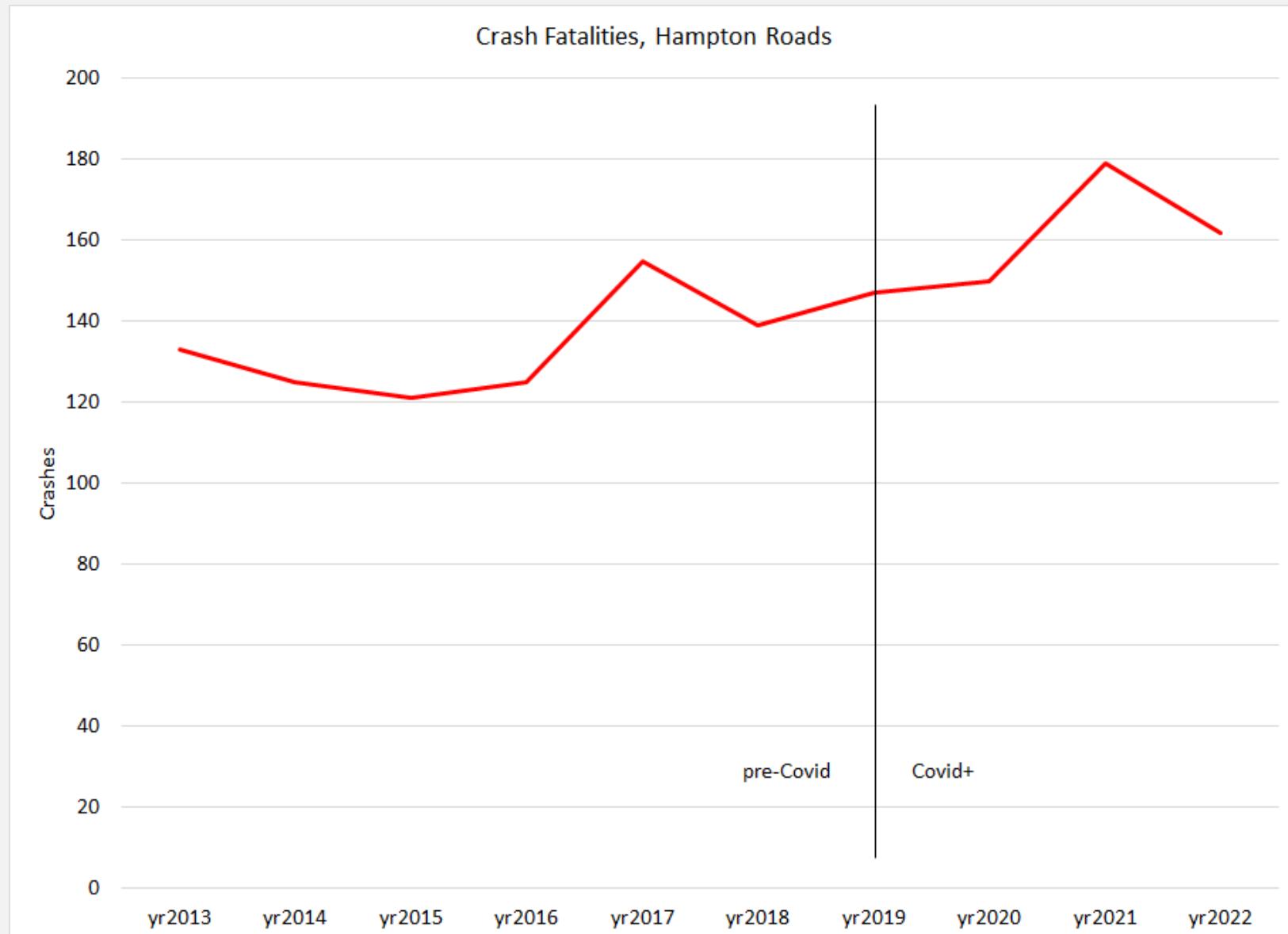
# REGIONAL SAFETY STUDY REPORT

- The [Hampton Roads Regional Safety Study](#) was adopted by the HRTPO Board at their May 2024 meeting.



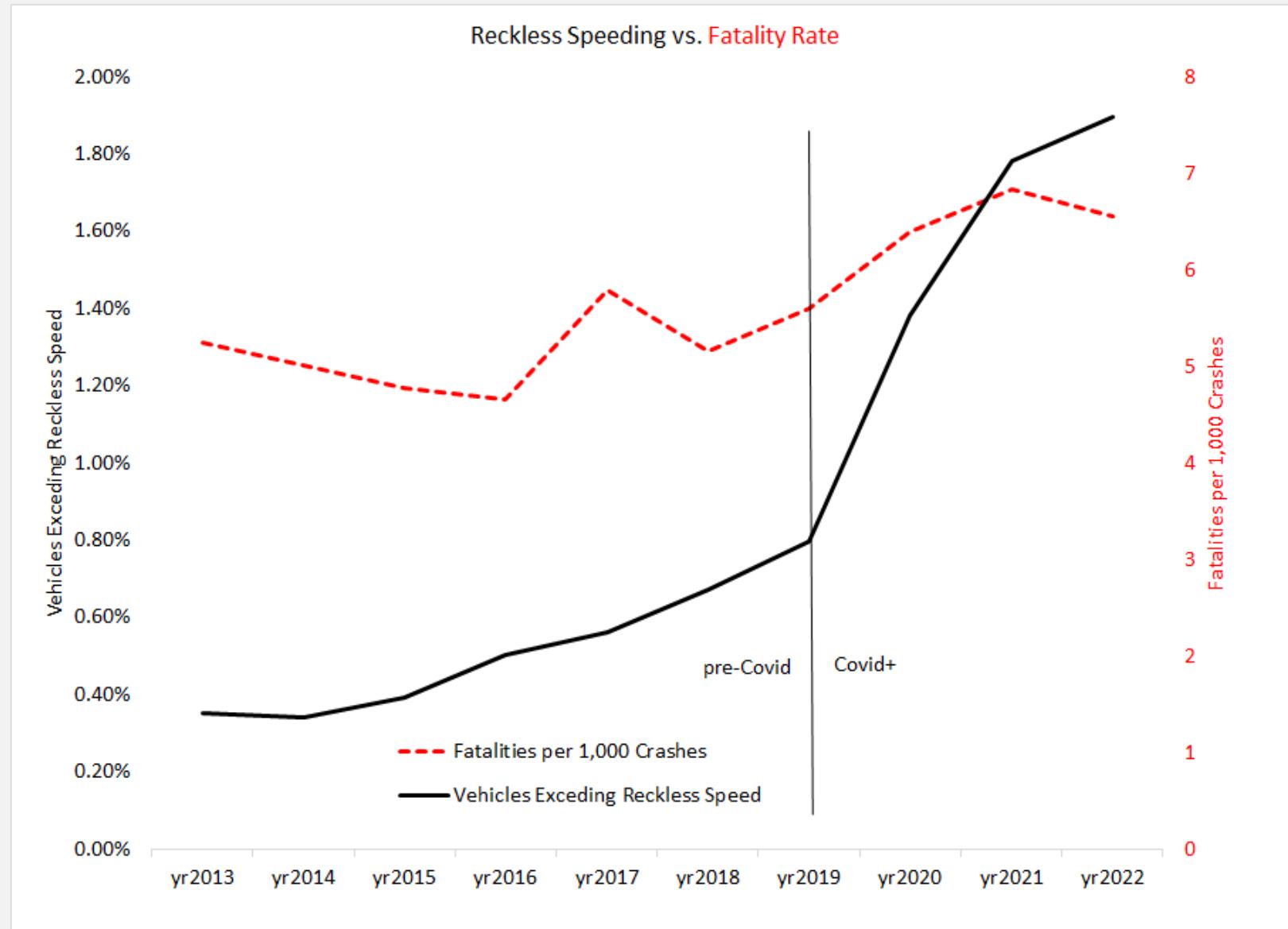
# CRASH FATALITY INCREASE FACTORS - SPECIAL STUDY

- HRTPO staff was asked to investigate “the factors contributing to the unexpected uptick in accidents/fatalities.”
- Staff investigated: “What is the primary cause of the 34% increase in fatalities over the 2015-2022 period?



# CRASH FATALITY INCREASE FACTORS – SPECIAL STUDY

- **Although crash numbers did not increase, crashes became more fatal.**
- **Staff looked at a number of factors:**
  - Seatbelt usage
  - Speed data
- **The increase in speeding may explain the increase in crash fatality.**



# CRASH FATALITY INCREASE FACTORS – SPECIAL STUDY

- Staff examined speed enforcement, finding that decreased enforcement is likely the primary cause of the increase in reckless speed, and the 34% increase in fatalities.

