

COVID-19 Traffic Trends

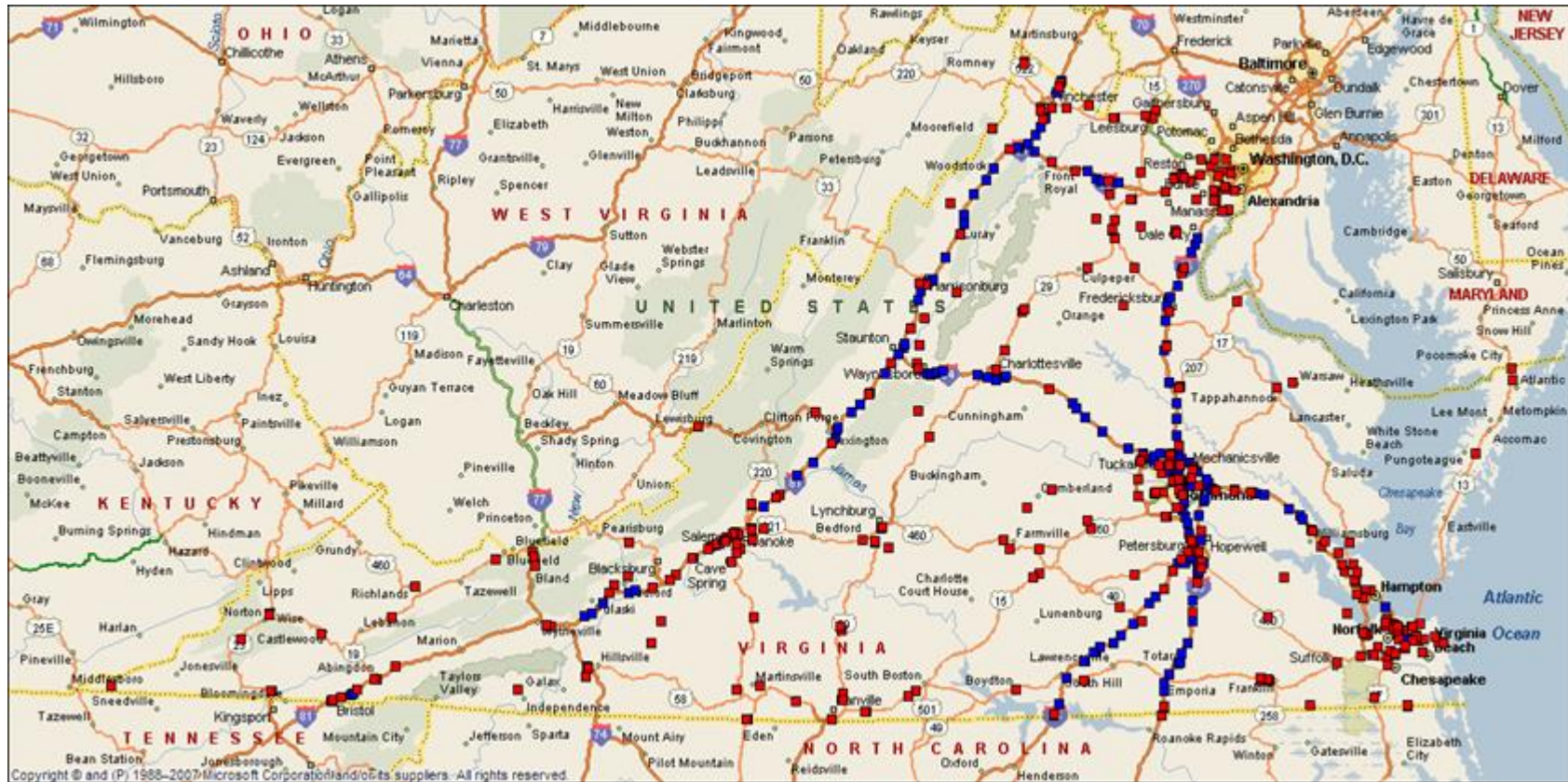
Volume, Speed, Crash

**VDOT Traffic Engineering and
Operations Divisions**

06/17/20

Volume Source

VDOT Traffic Monitoring System (TMS)

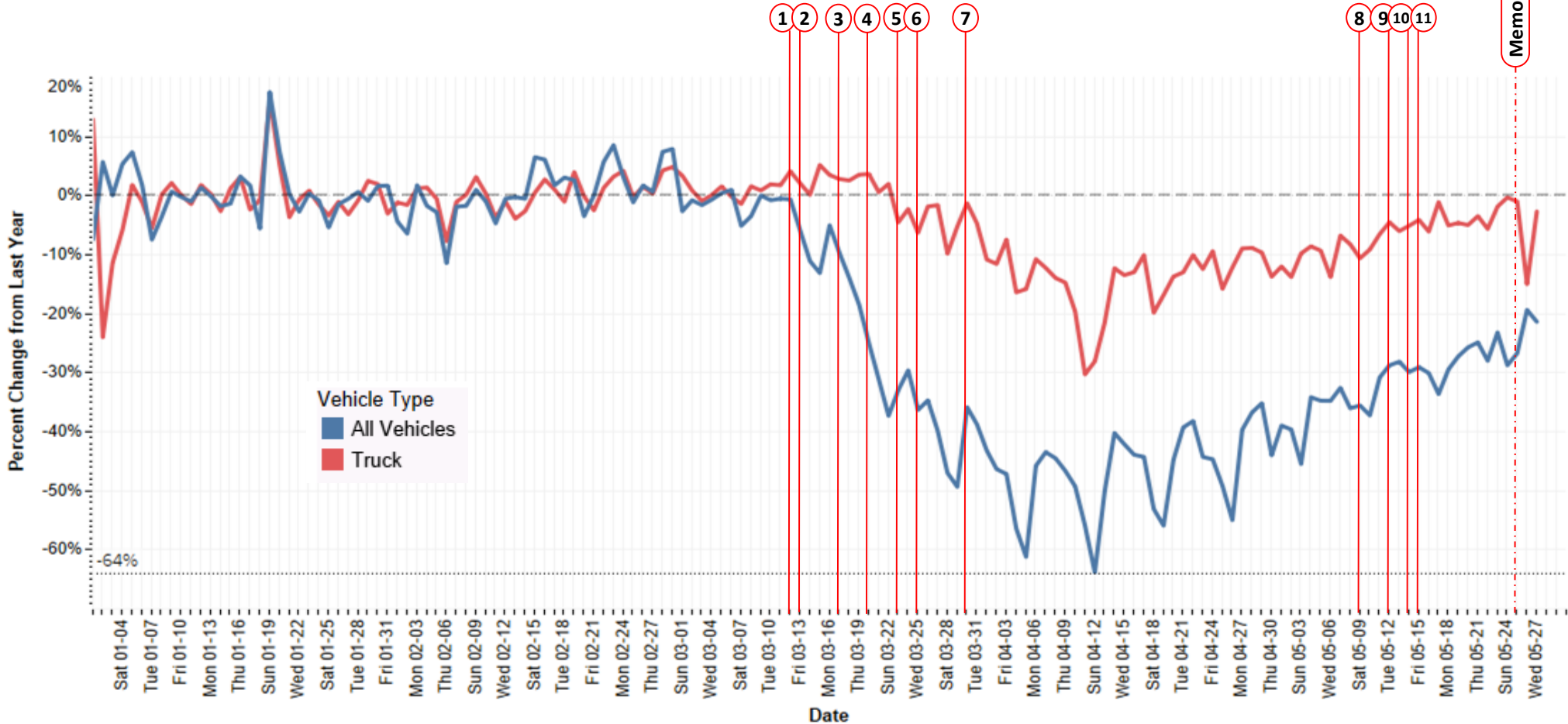


512 Continuous Count Stations

- 306 Road Sensors (CCS)
- 206 Non-Intrusive (Radar) Sensors (NCCS)

Volume Trends

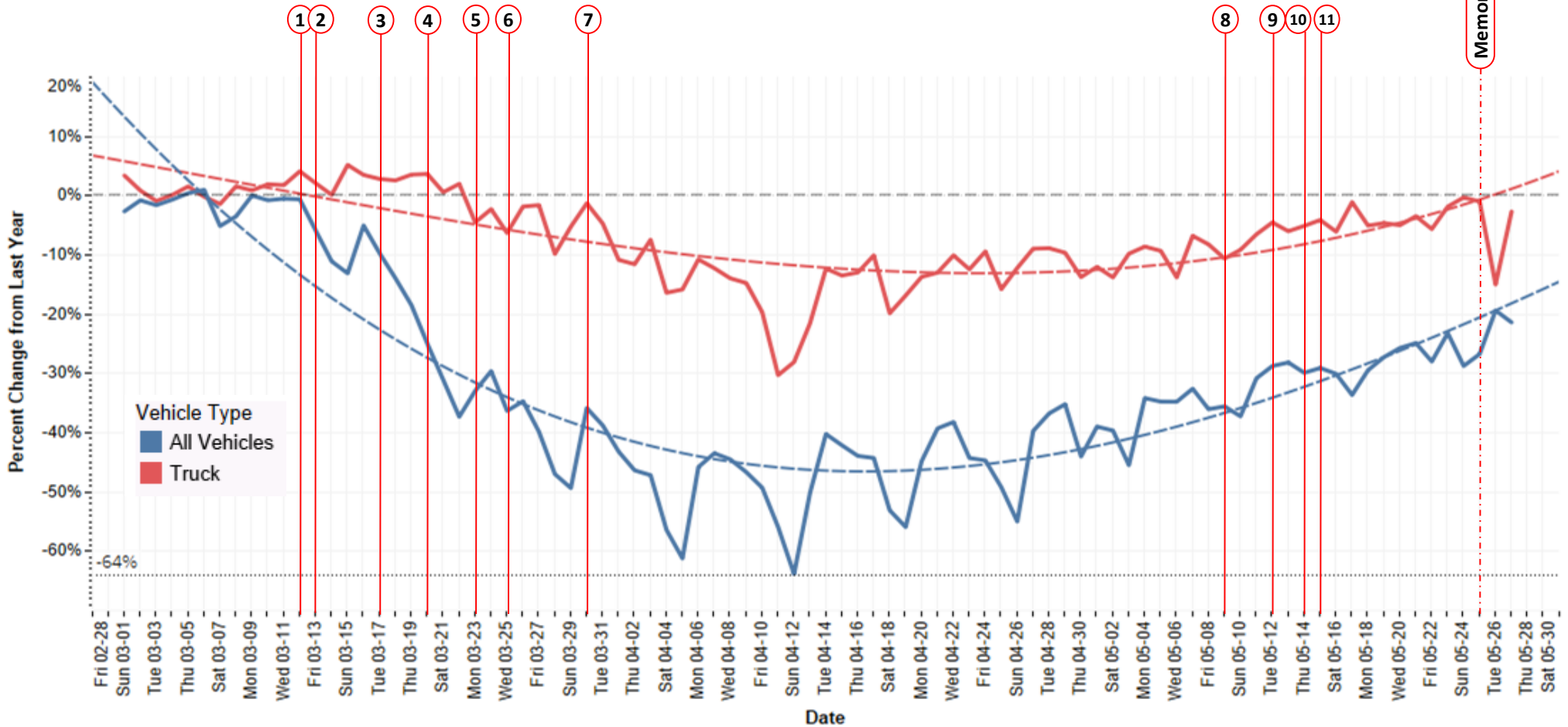
STATEWIDE DAILY VOLUME CHANGE



#	Date	Governor Action	#	Date	Governor Action
1	3/12	Declares state of emergency	7	3/30	Issues statewide stay-at-home order until June 10
2	3/13	Closes schools for two weeks, beginning 3/16	8	5/09	Phase One will begin no sooner than Friday, 05/15
3	3/17	Advises to avoid non-essential gatherings of more than 10	9	5/12	Delays Phase 1 for Northern Virginia Localities till 05/28
4	3/20	State agencies begin process of implementing telework where possible/applicable	10	5/14	Delays Phase 1 for Accomack County and the City of Richmond till 05/28
5	3/23	Close - Schools for rest of school yr, Non-essential business, Restaurants; No gathering more than 10	11	5/15	Phase One Begins
6	3/25	Directs hospitals to stop elective surgeries			

Volume Trends

STATEWIDE DAILY VOLUME CHANGE

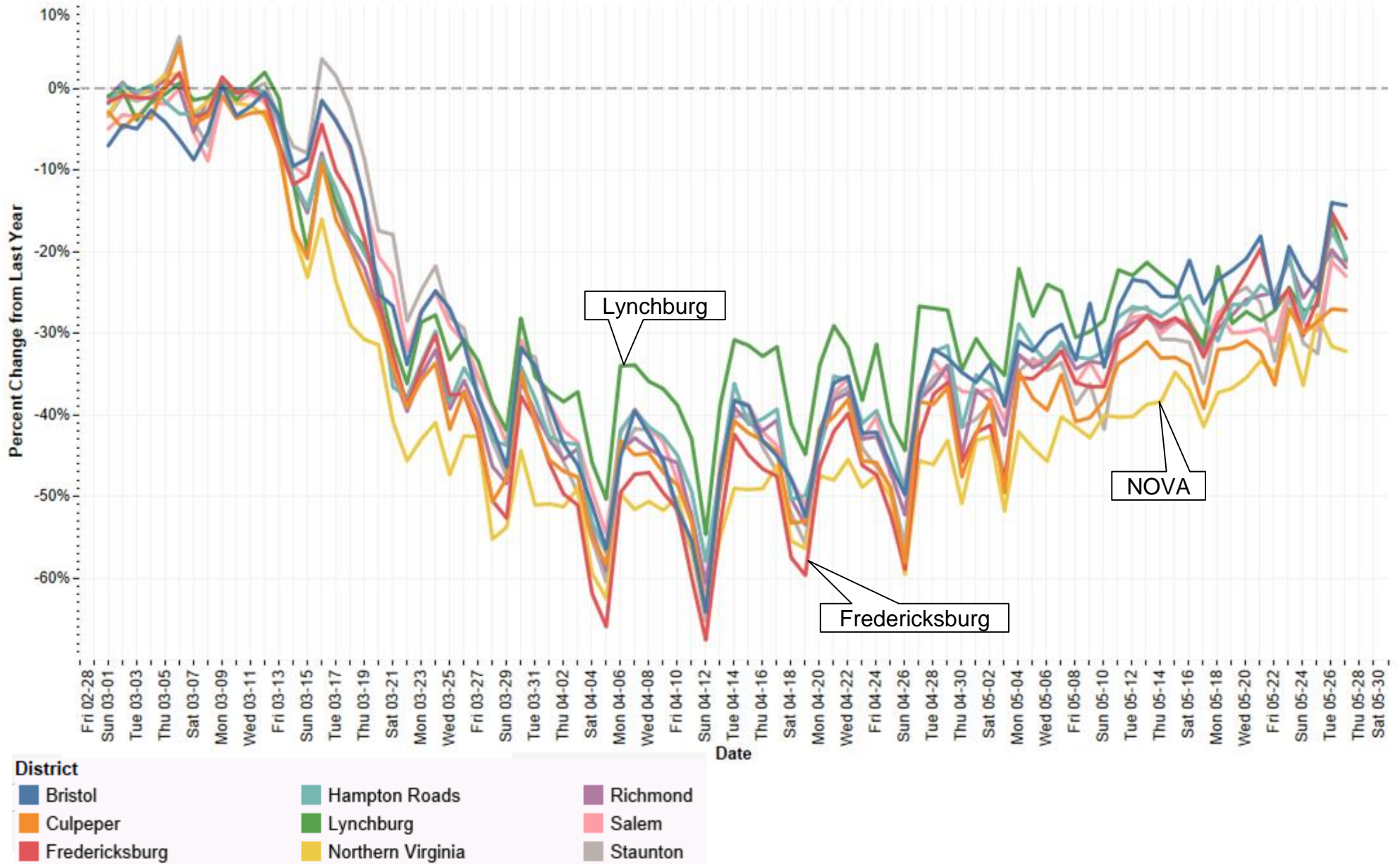


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Volume Trends

All Vehicles Volume Change By District (Interstates plus Non-Interstates)

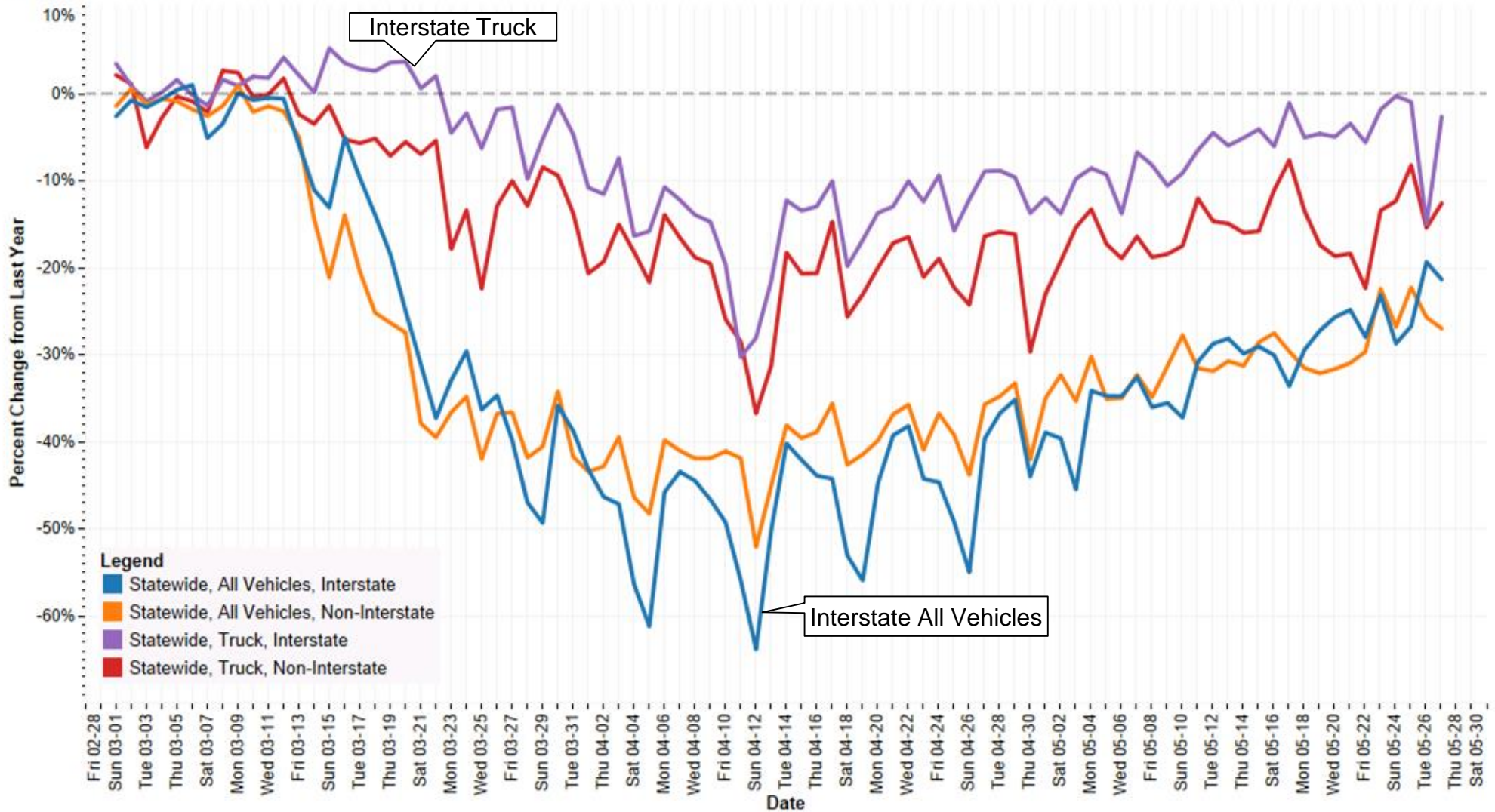
Traffic Volume Change by District



Volume Trends

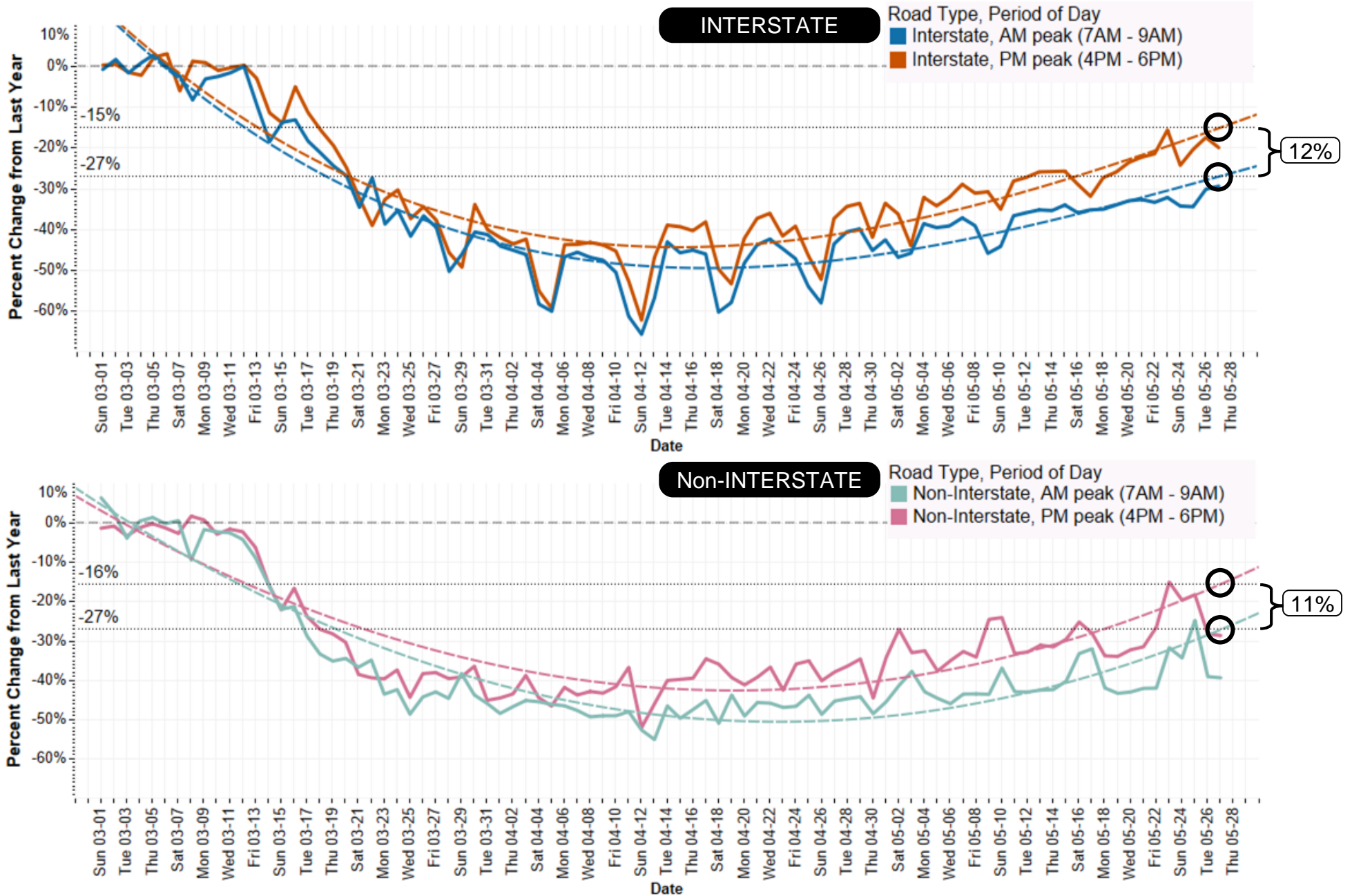
All Vehicles and Truck Daily Volume Change Statewide

Traffic Volume Change



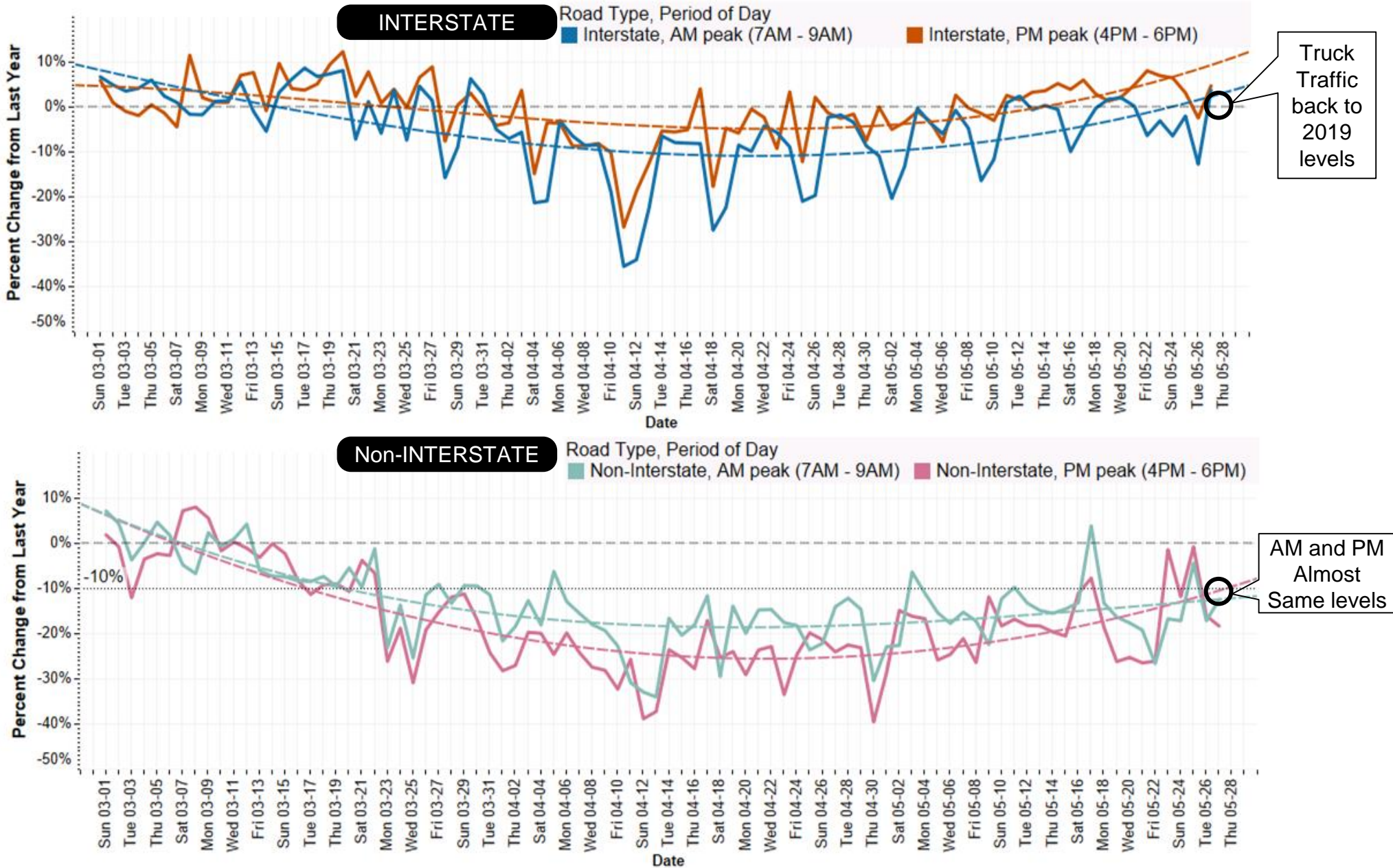
Volume Trends

Statewide Peak Period Volume Change for All Vehicles



Volume Trends

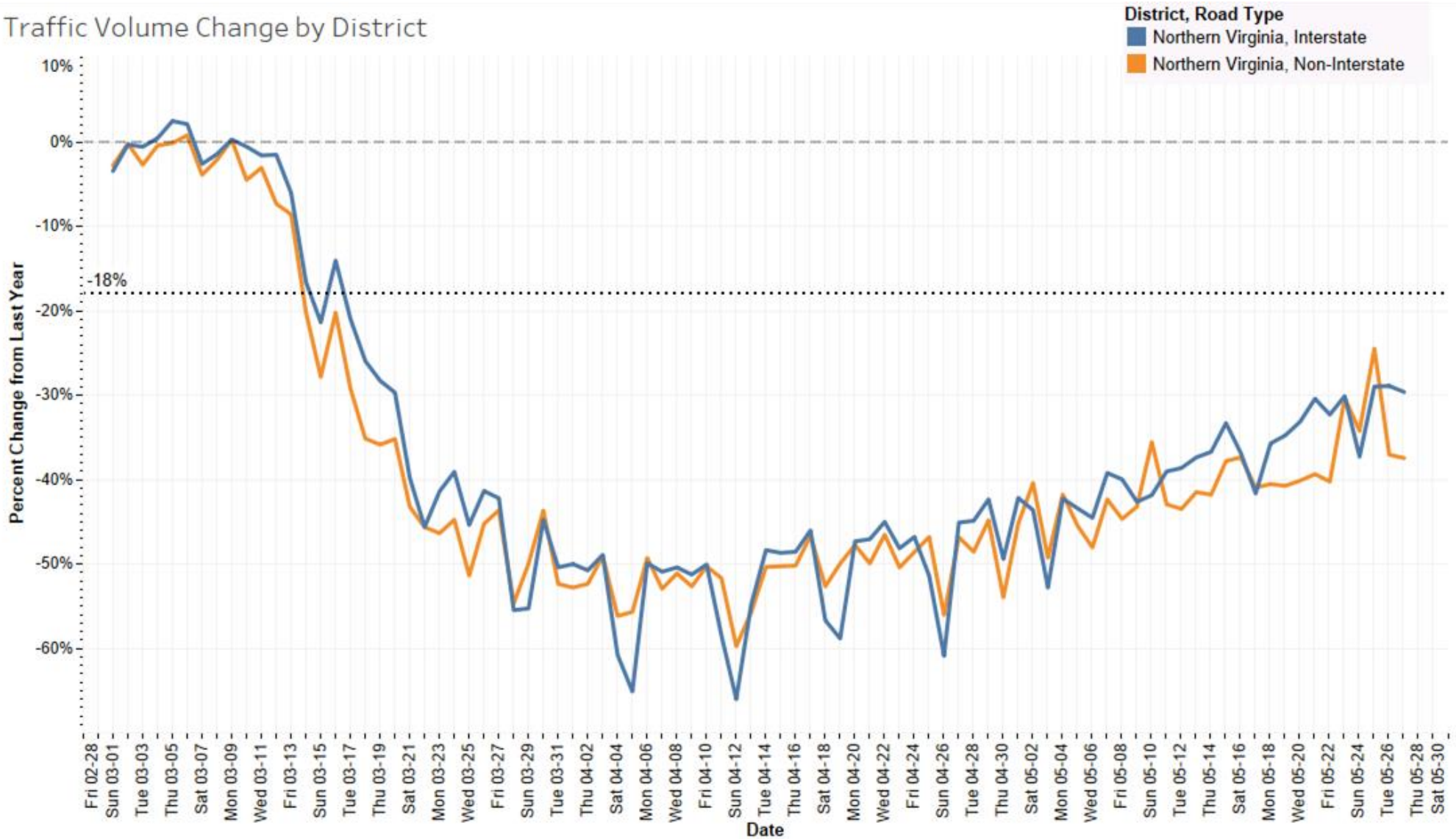
Statewide Peak Period Volume Change for Trucks



Volume Trends

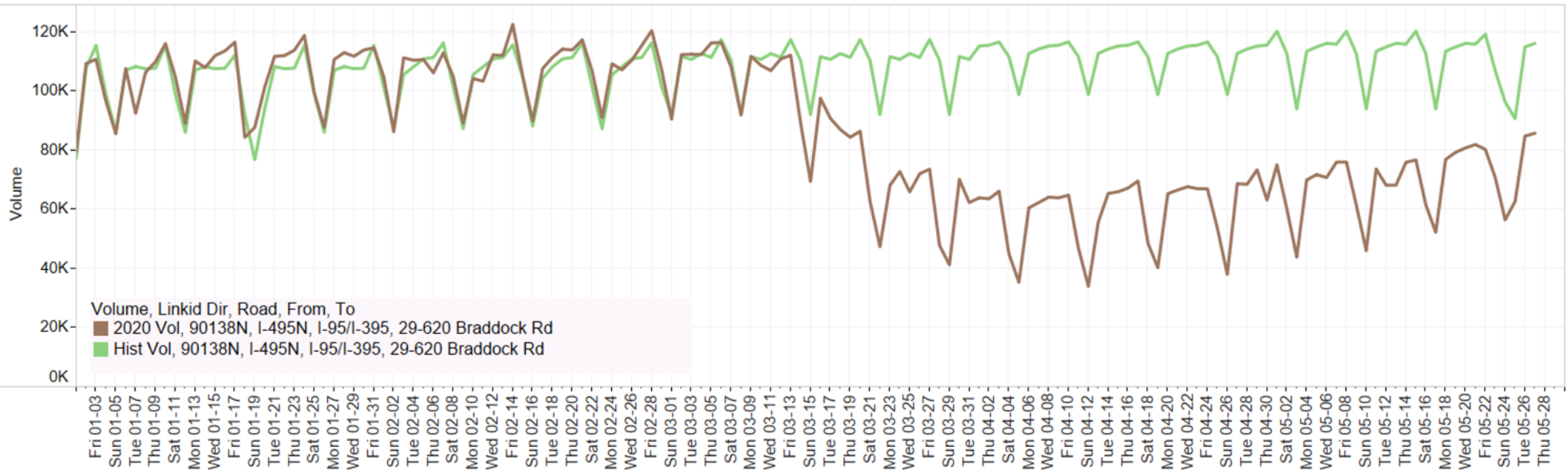
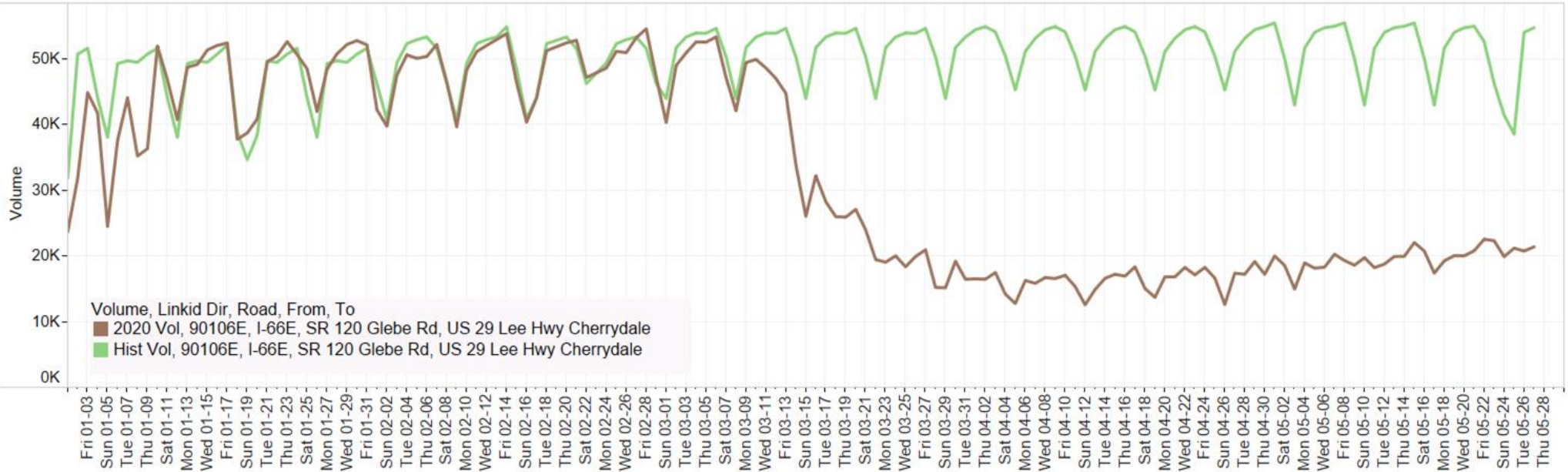
All Vehicles Daily Volume Change in Northern Virginia

Traffic Volume Change by District



Volume Trends

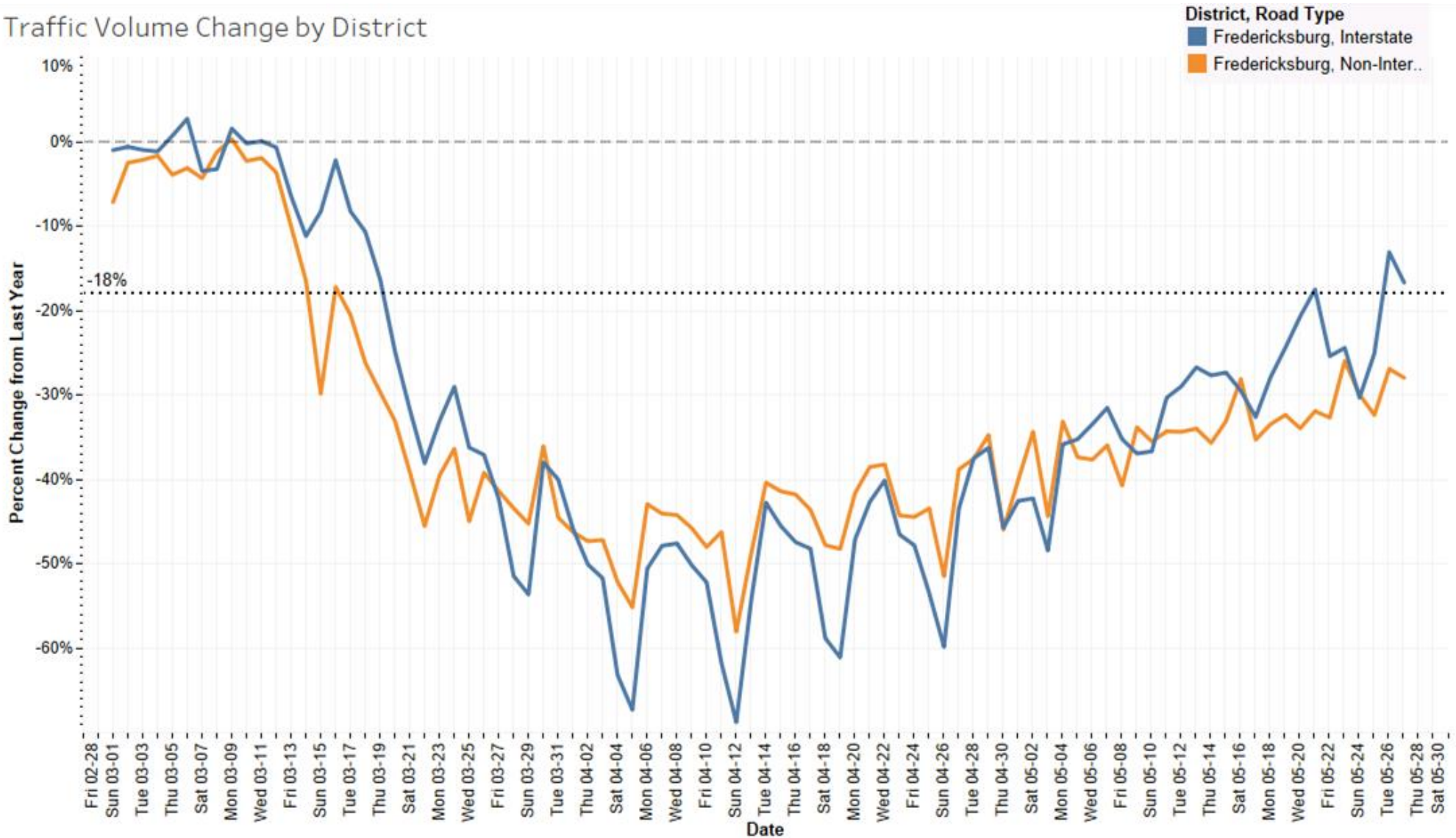
All Vehicles Daily Volume in Northern Virginia



Volume Trends

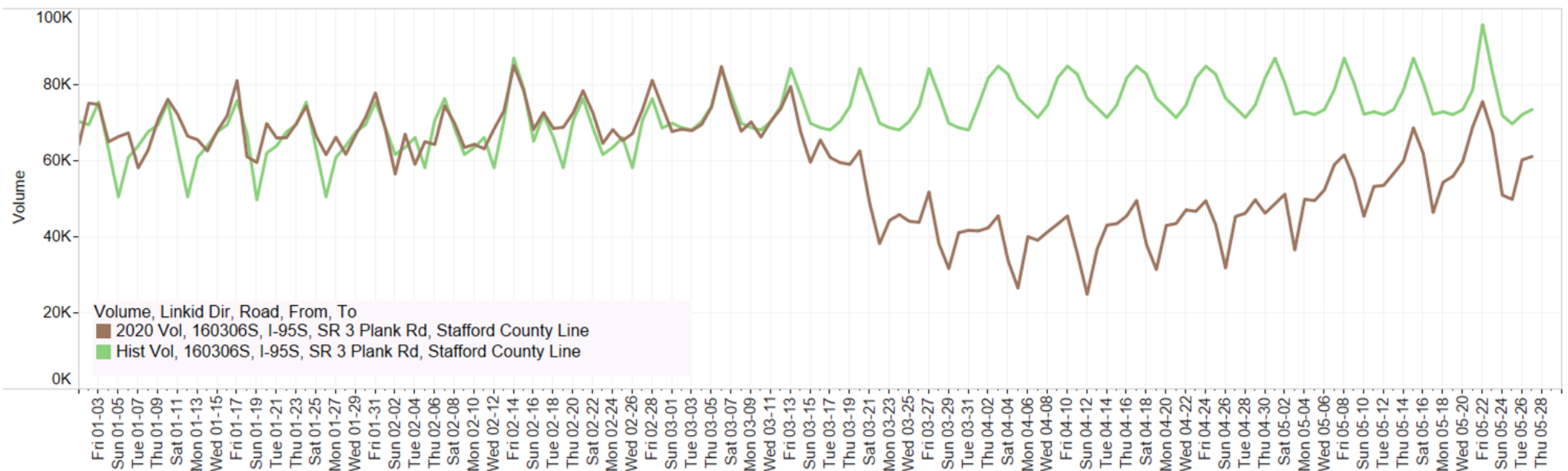
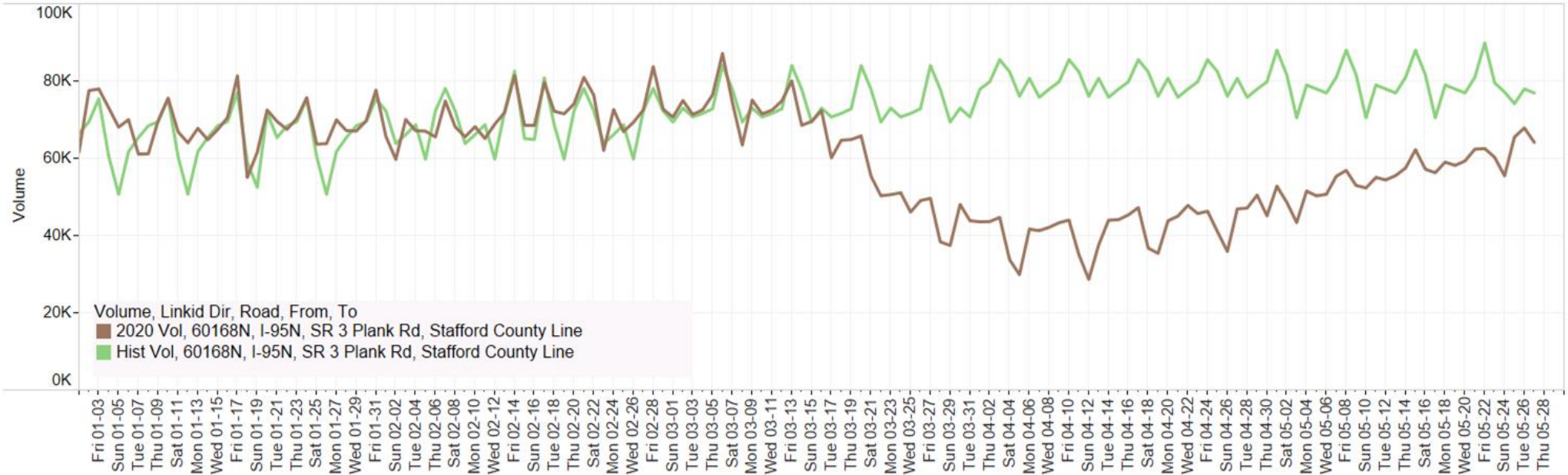
All Vehicles Daily Volume Change in Fredericksburg

Traffic Volume Change by District



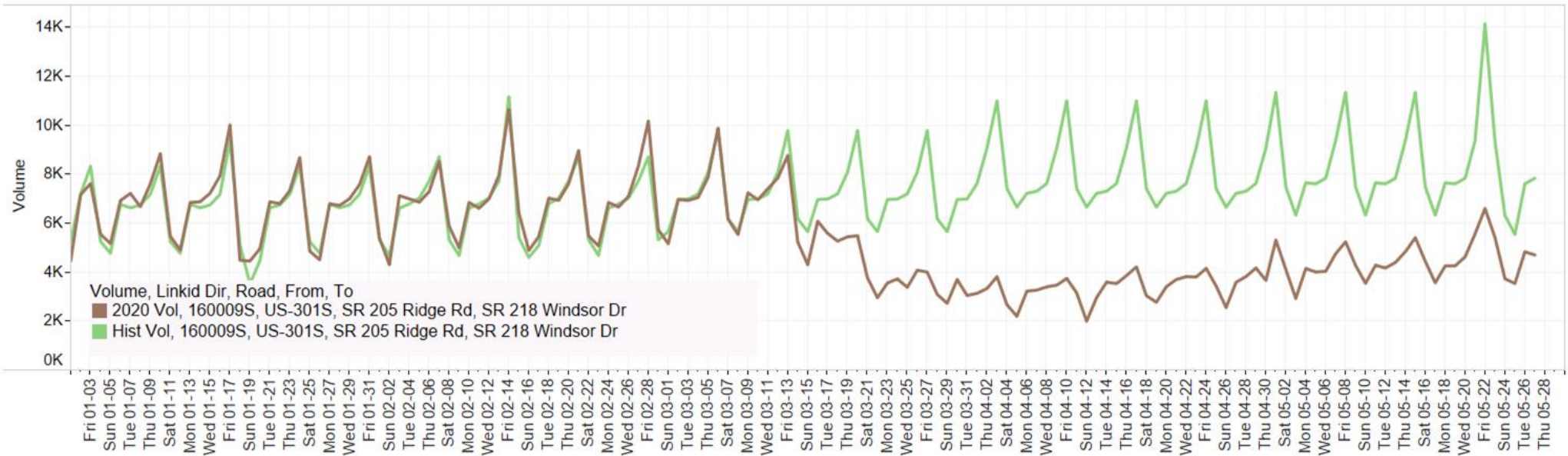
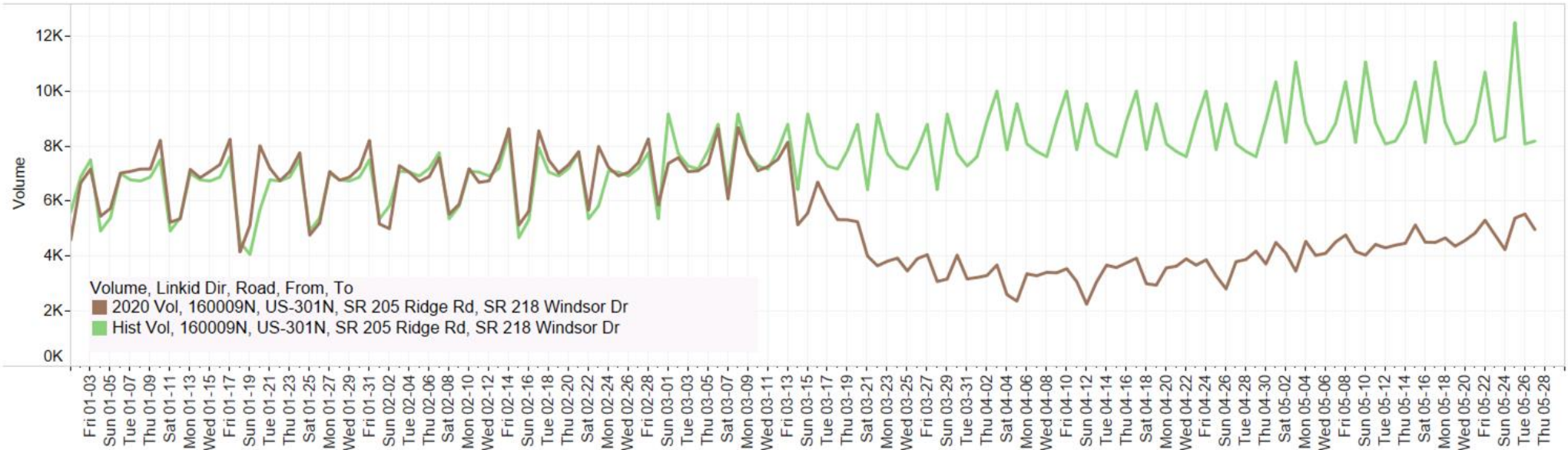
Volume Trends

All Vehicles Daily Volume in Fredericksburg



Volume Trends

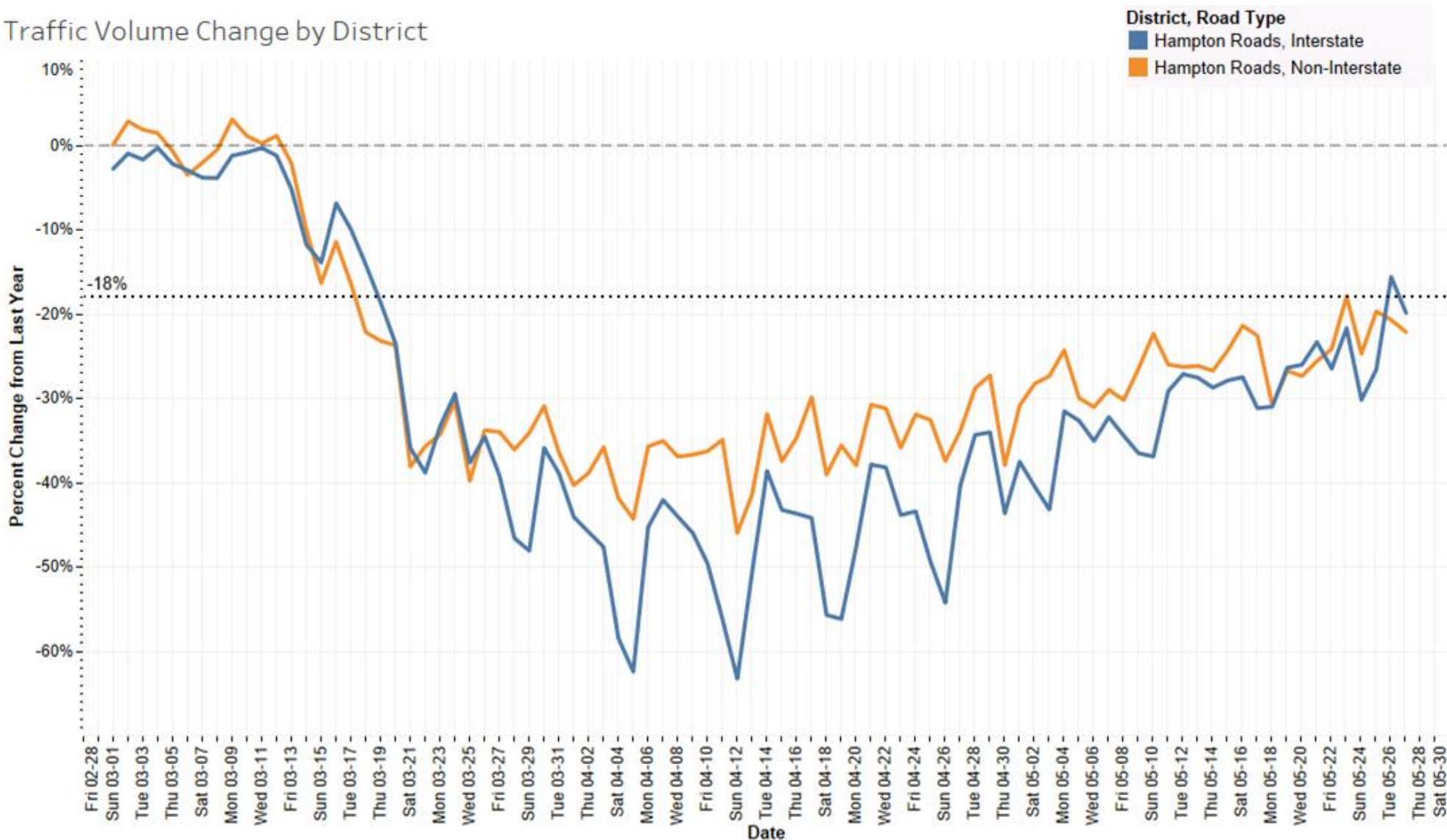
All Vehicles Daily Volume in Fredericksburg



Volume Trends

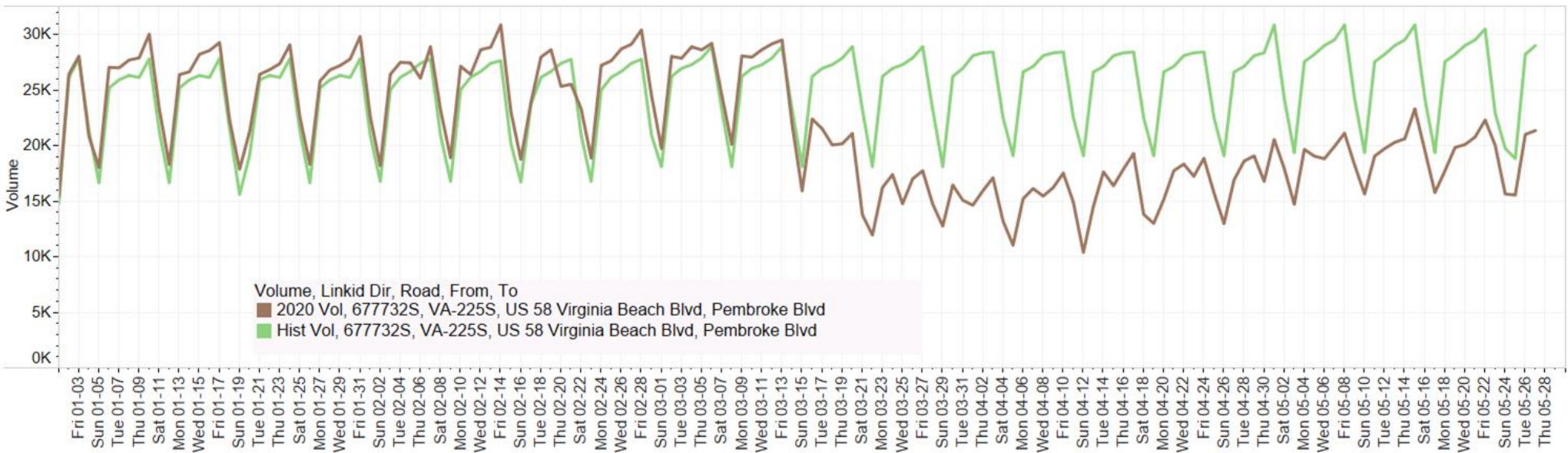
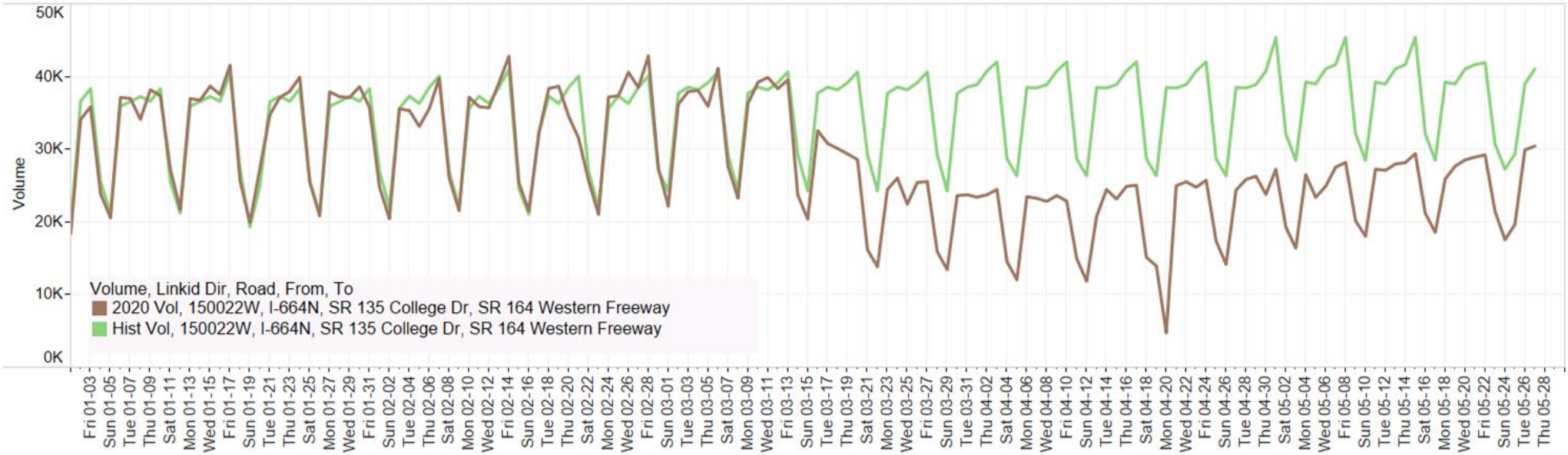
All Vehicles Daily Volume Change in Hampton Roads

Traffic Volume Change by District



Volume Trends

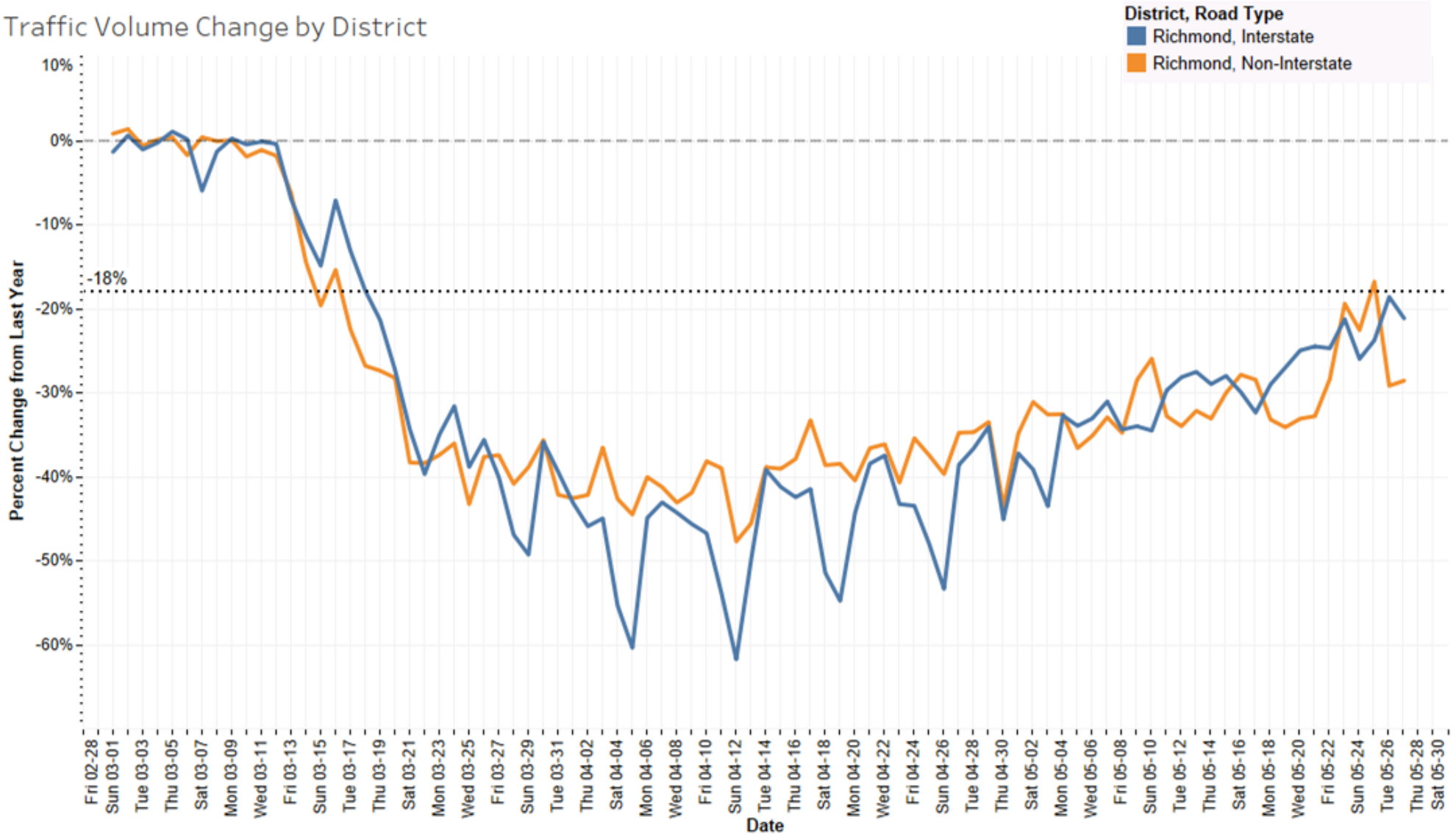
All Vehicles Daily Volume in Hampton Roads



Volume Trends

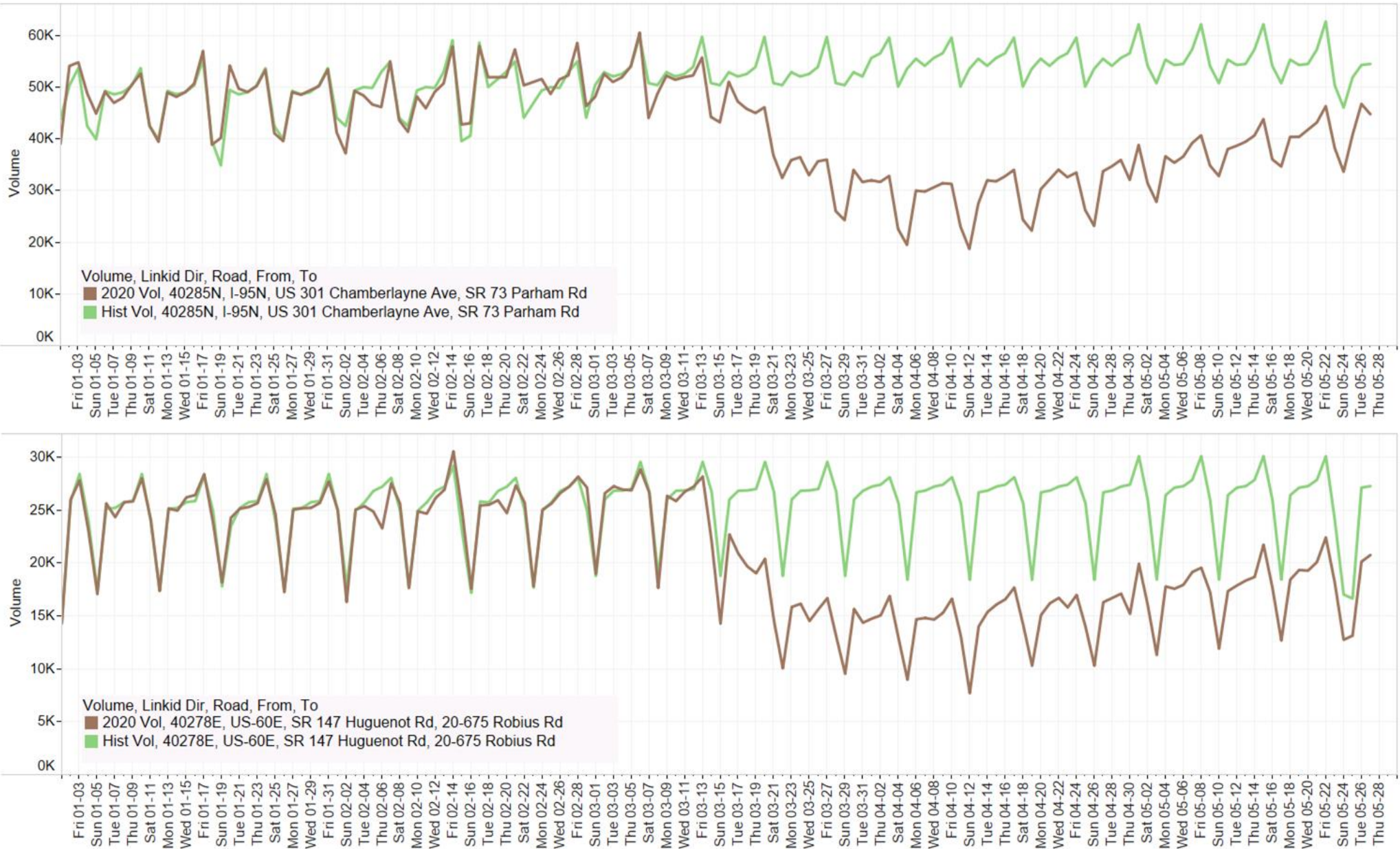
All Vehicles Daily Volume Change in Richmond

Traffic Volume Change by District



Volume Trends

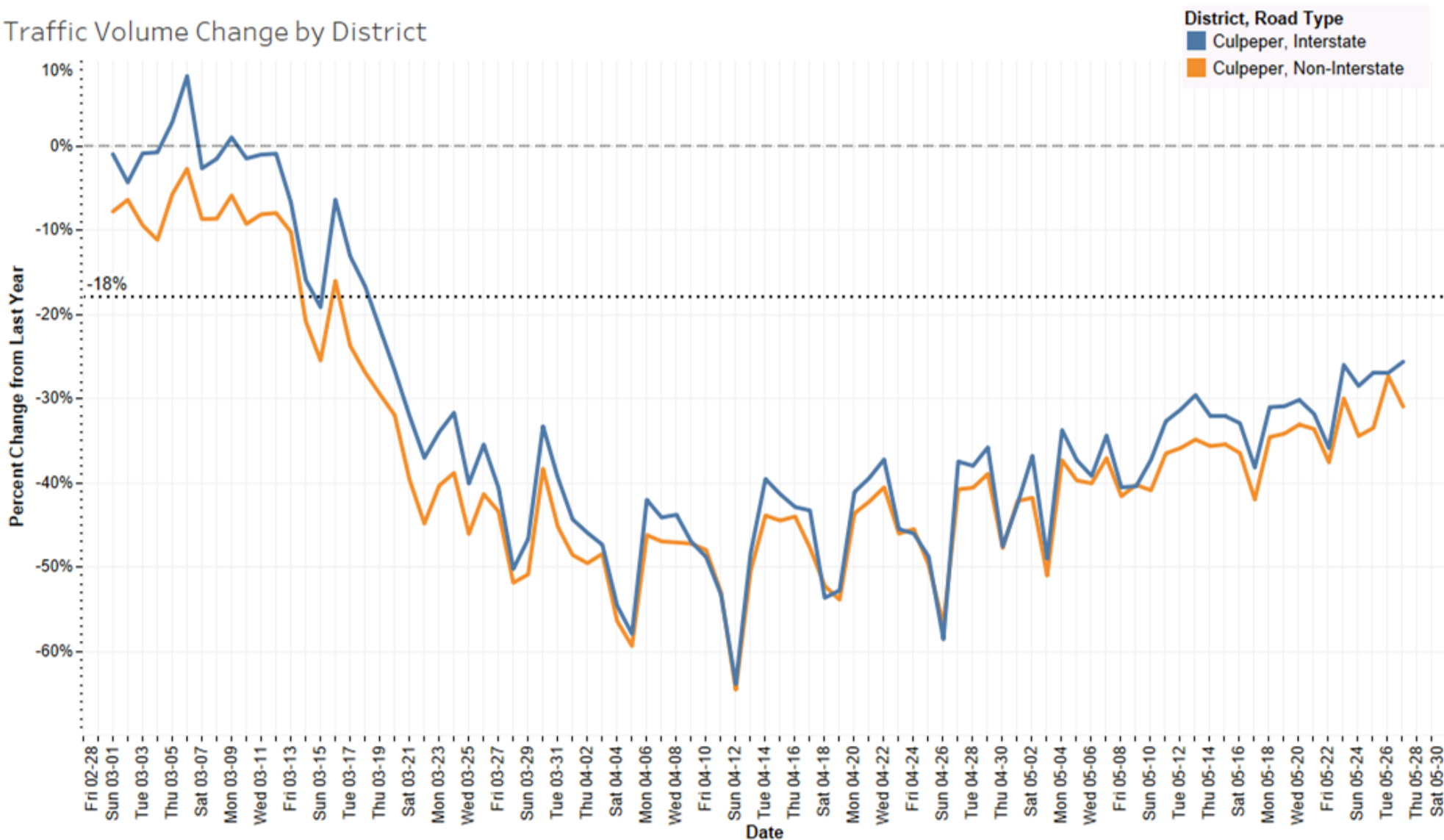
All Vehicles Daily Volume in Richmond



Volume Trends

All Vehicles Daily Volume Change in Culpeper

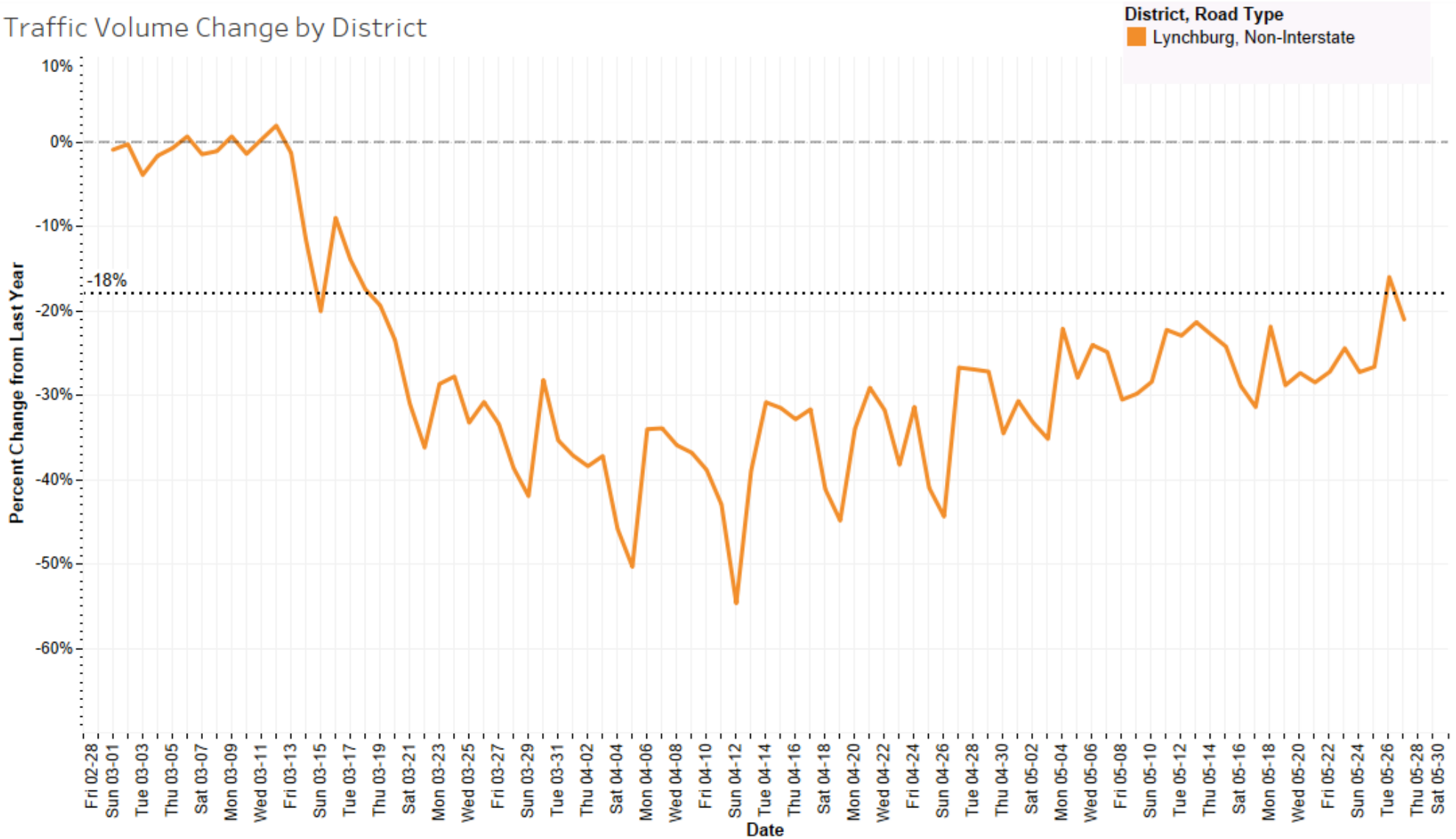
Traffic Volume Change by District



Volume Trends

All Vehicles Daily Volume Change in Lynchburg

Traffic Volume Change by District

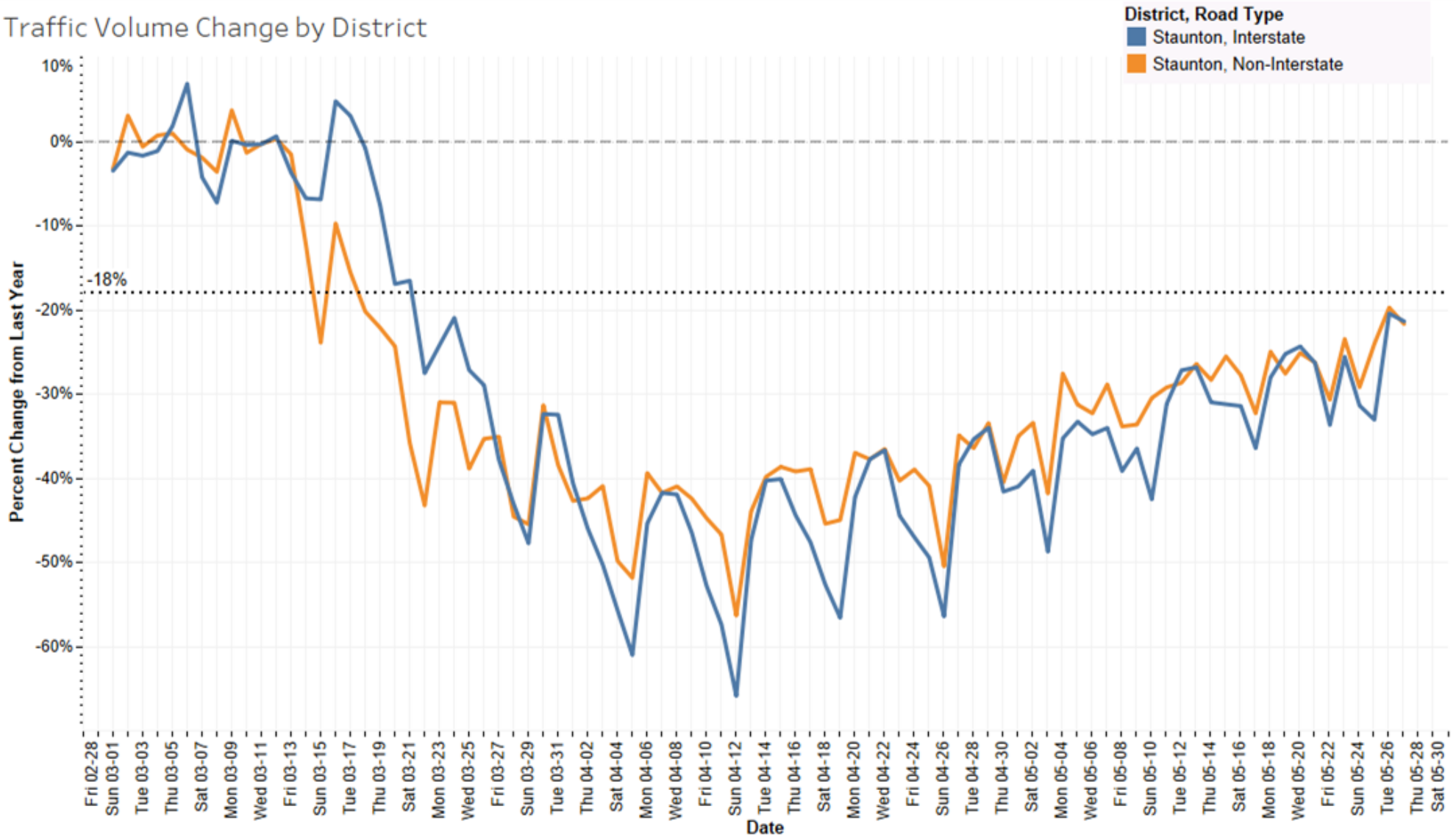


Lynchburg does not have Interstate

Volume Trends

All Vehicles Daily Volume Change in Staunton

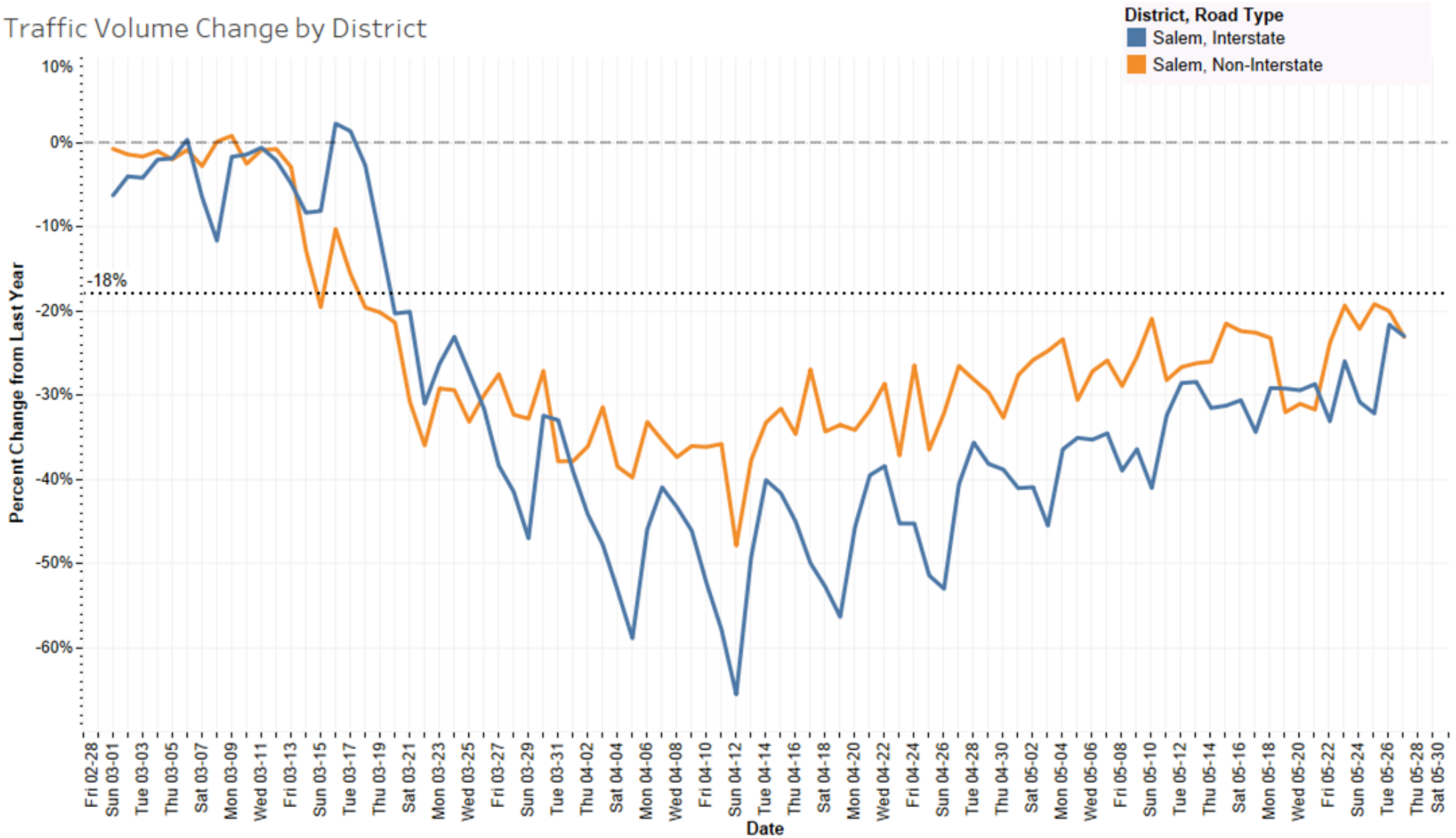
Traffic Volume Change by District



Volume Trends

All Vehicles Daily Volume Change in Salem

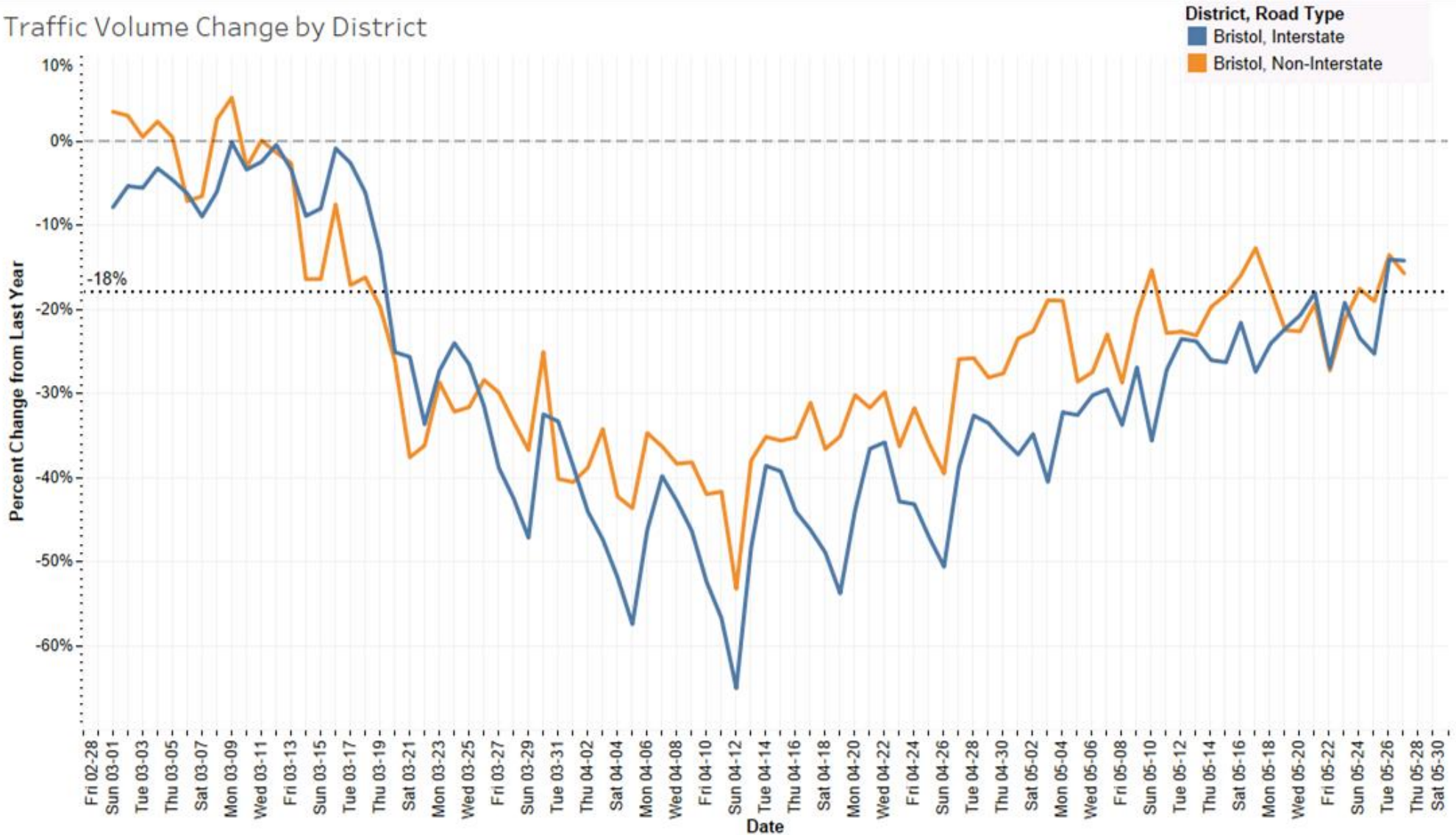
Traffic Volume Change by District



Volume Trends

All Vehicles Daily Volume Change in Bristol

Traffic Volume Change by District

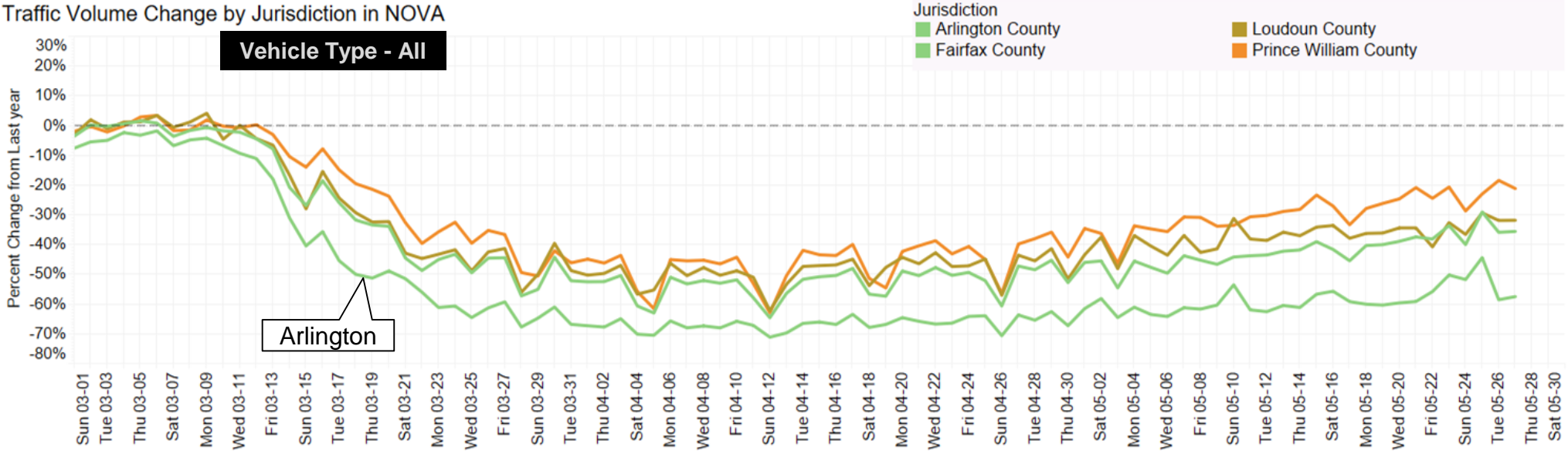


Volume Trends

Volume Change by Jurisdiction

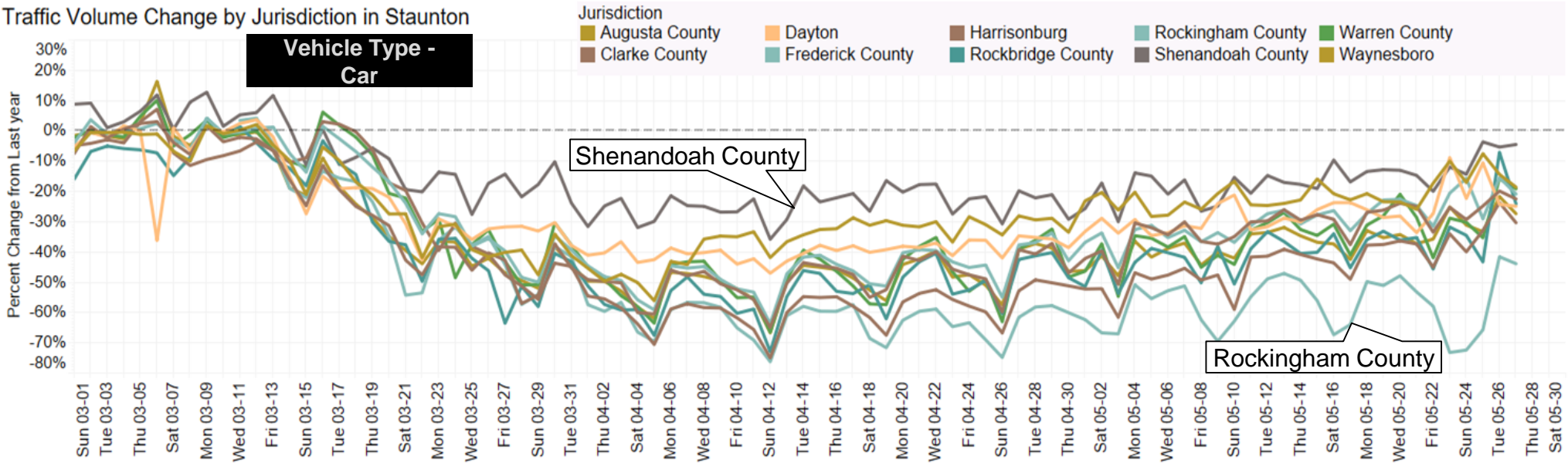
Traffic Volume Change by Jurisdiction in NOVA

Vehicle Type - All



Traffic Volume Change by Jurisdiction in Staunton

Vehicle Type - Car



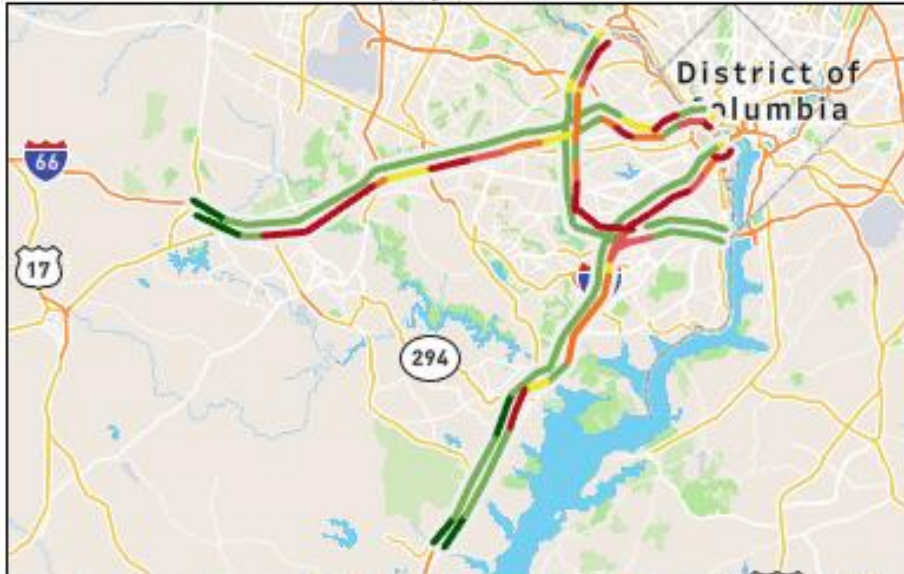
Speed Trends Based on INRIX Data

Northern Virginia District - Weekday

May 2019

May 2020

8 - 9 AM
AM Peak Hour



5 - 6 PM
PM Peak Hour

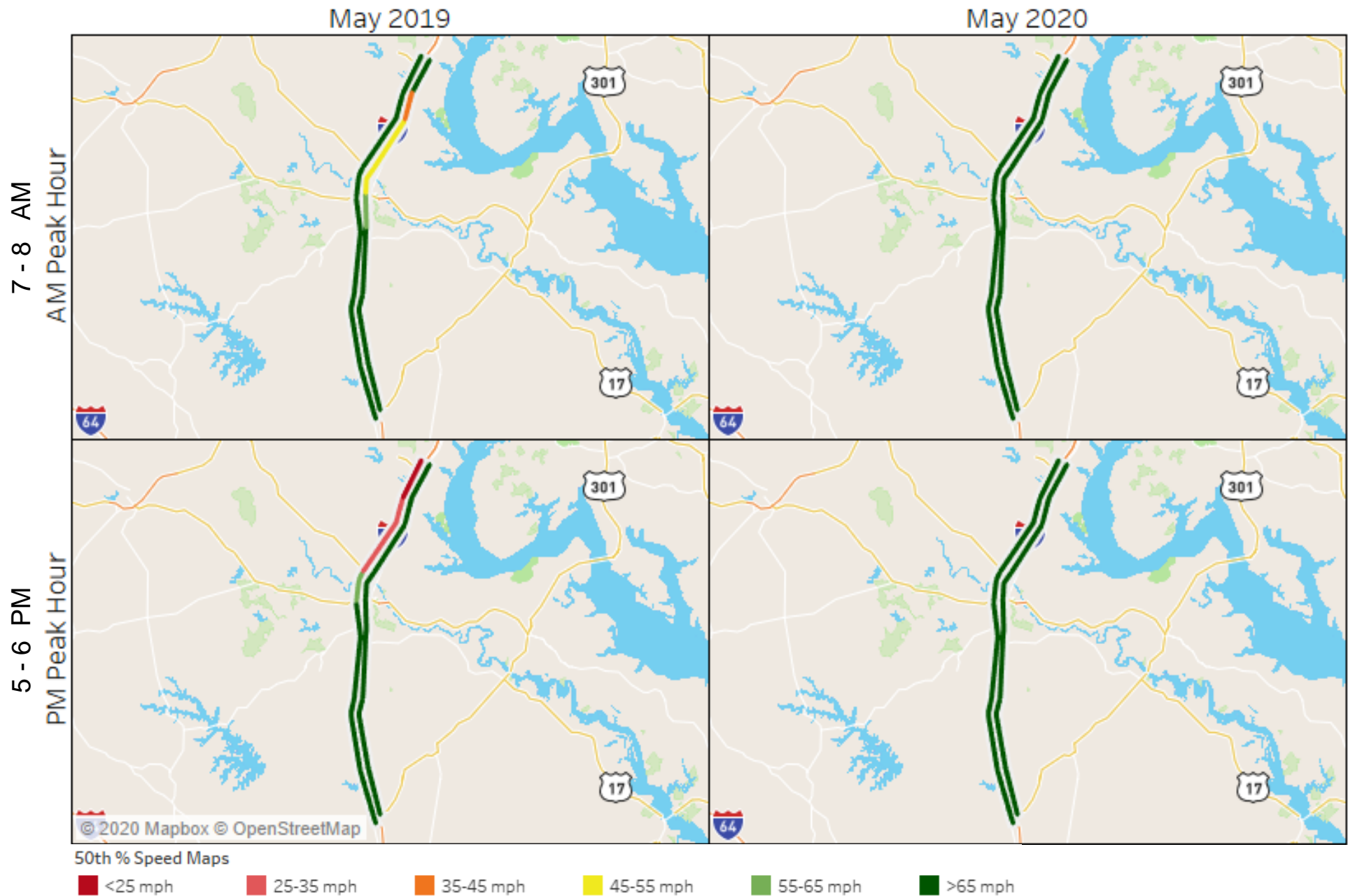


50th % Speed Maps



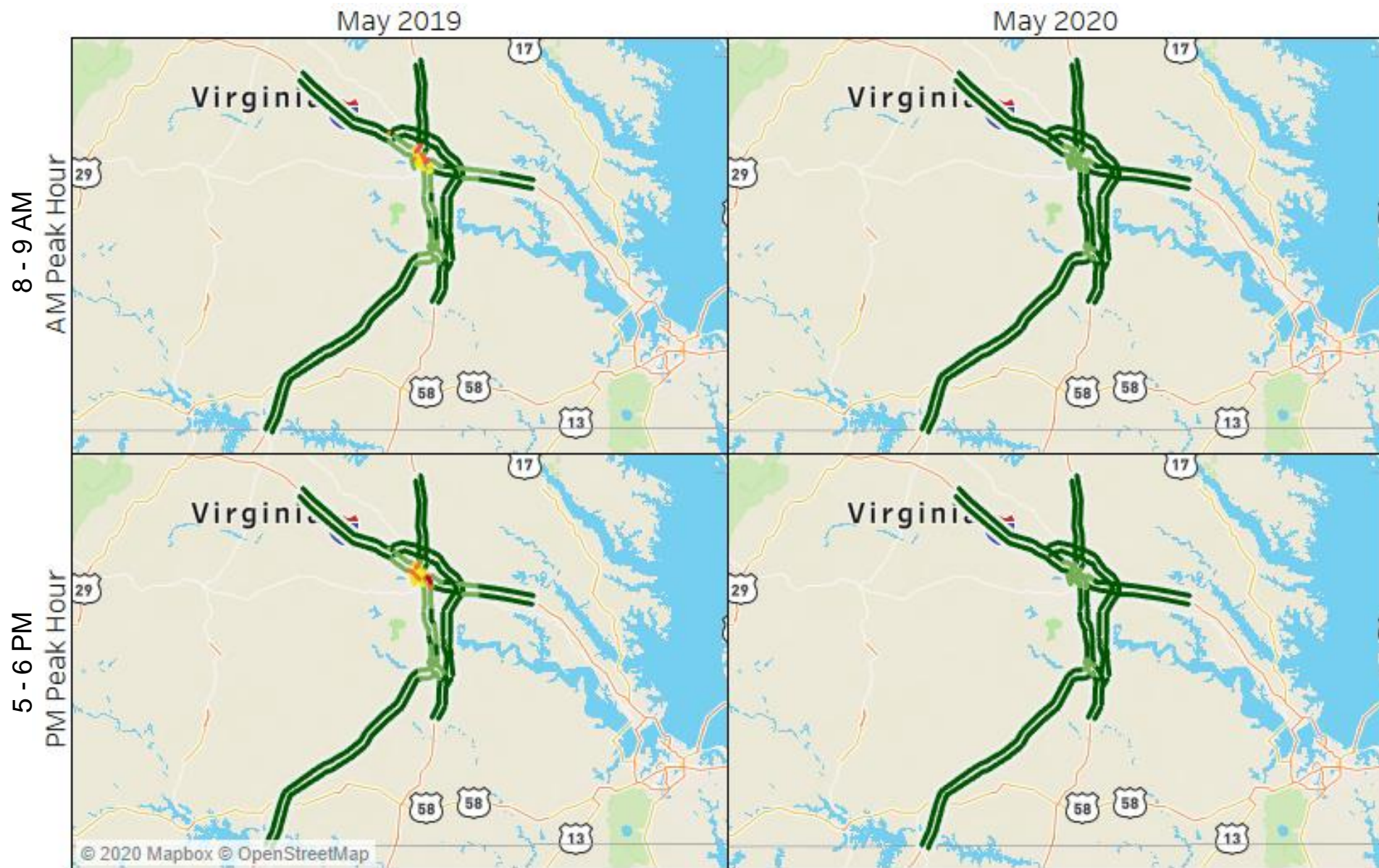
Speed Trends Based on INRIX Data

Fredericksburg District - Weekday



Speed Trends Based on INRIX Data

Richmond District - Weekday

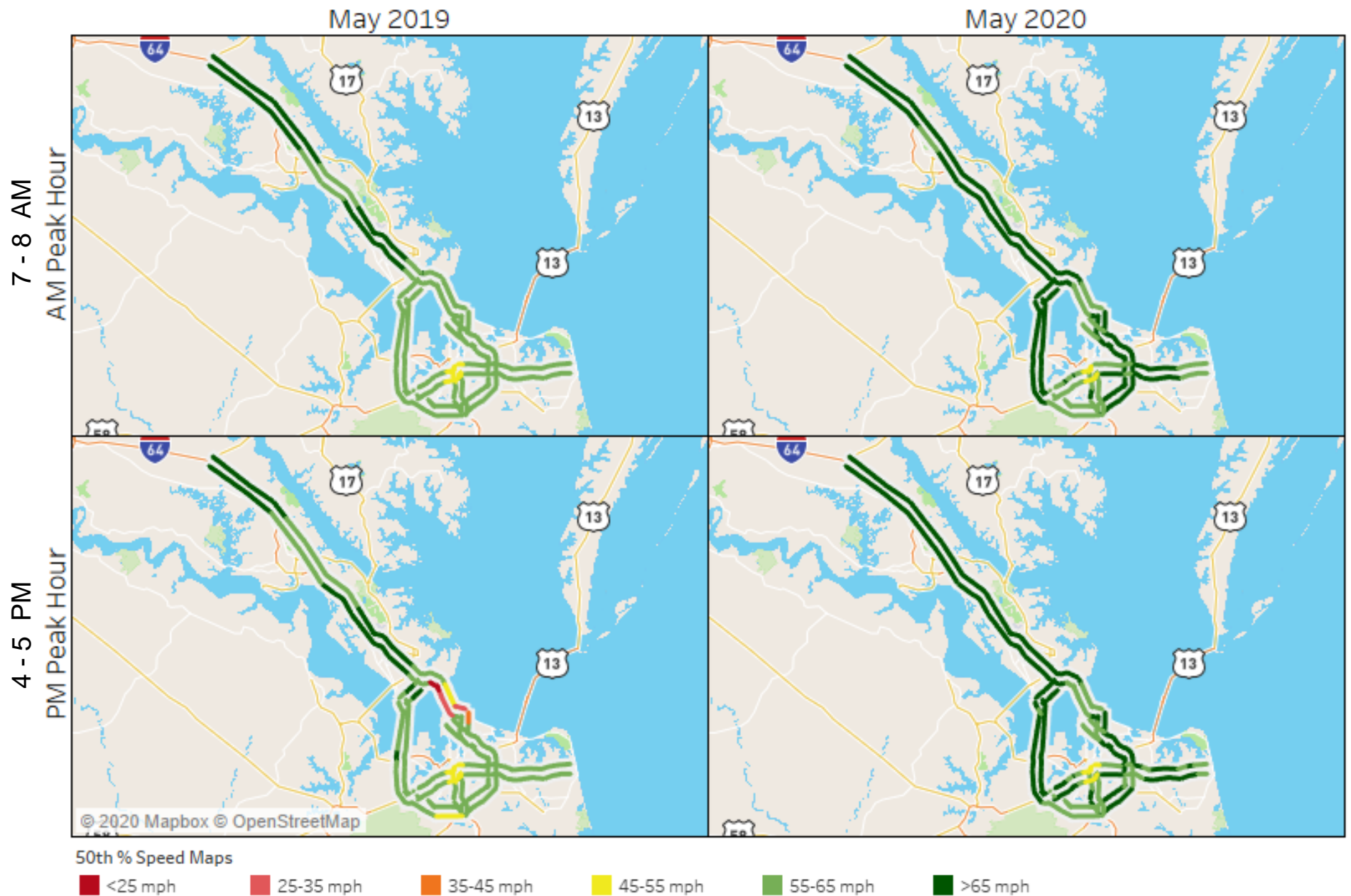


50th % Speed Maps

- <25 mph
- 25-35 mph
- 35-45 mph
- 45-55 mph
- 55-65 mph
- >65 mph

Speed Trends Based on INRIX Data

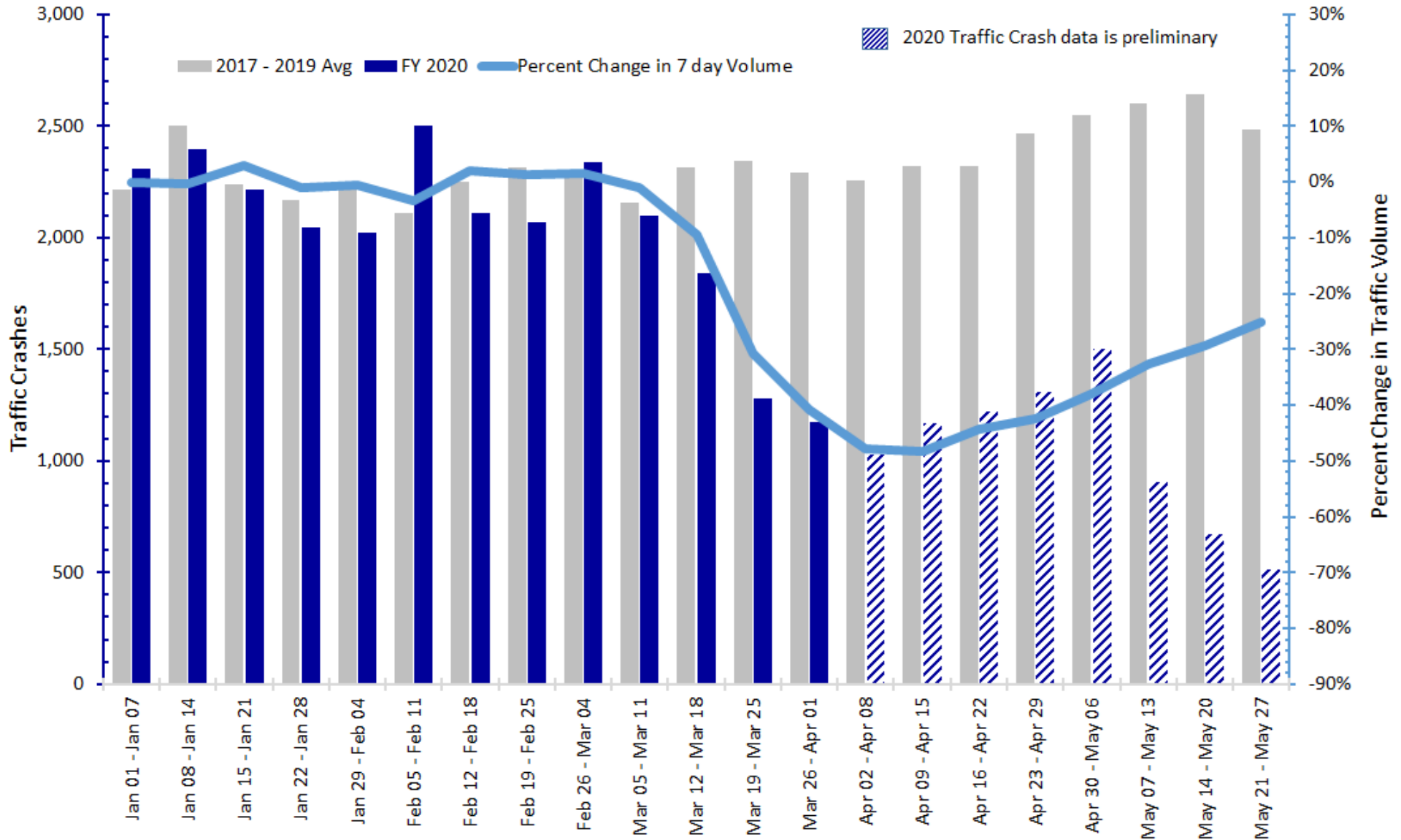
Hampton Roads District - Weekday



Weekly Traffic Crash

Statewide All Systems

Weekly Traffic Crashes - from January 1 to May 28



Questions?

Mena Lockwood, P.E., Assistant State Traffic Engineer, mena.lockwood@vdot.virginia.gov
