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Definition of Terms

Crossover - a break in the landscaped or concrete median

KAB Crashes - Fatal and severe crashes as noted by the KABCO scale: K = fatal crash; A = incapacitating injury; B = non-incapacitating injury; C = possible injury; and O = no injury.

Median Break - A break in the landscaped or concrete median often in association with a side street or entrance.

Median Shoulder - Shoulder provided on the left side of the travelway.

MUTCD – Manual on Uniform Traffic Control Devices for Streets and Highways. Published by the Federal Highway Administration (FHWA) to provide standardization of traffic control devices throughout the United States. Compliance with the MUTCD helps promote safe, orderly and efficient movement of traffic.

PSI – Potential for Safety Improvement. A statistical measurement providing an indication of where crashes may be reduced with intersection/corridor improvements or upgrades. It is the difference between expected crashes and actual crashes.

RCUT - Restricted Crossing U-Turn (RCUT) intersection. A geometric configuration at intersections where movements allowed include left turns, straight through, and right turns from the mainline; and right turns from the minor street. The minor street movements not allowed are left turns and straight through; those movements are accommodated by making a right turn and then a u-turn.

Roadway Departure - a crash where the vehicle ran off the road either to the right or to the left.

Safety Edge – a sloped pavement edge to the ground to aid vehicle recovery from a roadway departure.

Slip Lane – turn lane separated from the through travel lanes by a channelizing island

Vehicle Miles Traveled (VMT) - The number of miles collectively traveled by all vehicles on a specific stretch of roadway for one year.

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GIS Data:

Intersections, rumble strips, light poles, signals, median crossover locations, mileposts, and horizontal curvature data created from a combination of aerial and field surveys, VHB.

Speed limit GIS data created by VHB from information on the VDOT website: http://virginiaroads.org/Mapping/#SpeedZones.

Traffic volumes and speed data received from Sabra Wang field data collection, 9/29/2015-10/1/2015 and Virginia Department of Transportation, January 2016.

GIS Mile markers, AADT, and street centerline received from VDOT.

GIS Shoulder width data created by VHB from Excel spreadsheet received from VDOT.

Crash records downloaded from VDOT via Tableaux data tool. <https://public.tableau.com> Crash narratives received from VDOT via email. The original source of these are the FR300 accident forms collected by Virginia State Police from multiple law enforcement agencies.

Top 100 VDOT ranked segments and intersections received as a KMZ file from VDOT.

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