Alternative G-1: Merge 2-Lane West Ramp to 1-Lane

Merge 2-lane West Ramp to 1-lane to increase East Ramp's acceleration distance prior to merge

Legend
- Proposed Pavement
- Resurfaced Pavement
- Proposed Median
- Casing Right of Way and Property Lines
- Proposed Limits of Construction
- Proposed Retaining Walls
- Proposed Signal

I-395 S
I-395 E
I-395 N

Ramp from NB Glebe Rd & L-395 SB (West Ramp)
Ramp from SB Glebe Road (East Ramp)

Add Lane Merge Arrows Immediately Following On-Ramp

Distance to Merge
Increased Acceleration
240'

SCALE
50' 100' 150' 200'

North Arrow & Scale

Project Location

MAY 21, 2018
Alternative G-2: Shift West Ramp to Right Shoulder

Shift West Ramp to right shoulder to increase East Ramp’s acceleration distance prior to merge.
Alternative S-1: Reduce & Repurpose Existing Lanes

- Repurpose or remove existing low-volume lanes to reduce required weaving movements.
- Accomplished with signing and pavement markings.

Provide dedicated left lane for vehicles in rotary, and keep middle lane open for vehicles traveling via southbound Shirlington Road.

Convert left lane into widened shoulder to reduce merging movements.

3 lanes reduced to 2 lanes to simplify merging movements.
Realign Quaker Lane Ramp

Alternative S-2:

Realign and adjust the approach angle of the entrance ramp to reduce speed of Quaker Lane traffic entering the rotary.
Alternative S-3: Add Lane to Arlington Mill Drive exit

Add a lane to Arlington Mill Drive exit to reduce required weaving movements.
Alternative S-4: Create signalized T-intersection with Rotary & Quaker Lane

Create signalized T-intersection with the Rotary and Quaker Lane to eliminate weave movement for vehicles exiting to Gunston Road and to control Quaker Lane ramp speeds.
Convert I-395 Northbound off-ramp to intersection with Gunston Road to control speed and remove weaves.

Alternative S-5: Create signalized intersection with I-395 NB off-ramp & Gunston Rd

Install Signal with Green and Flashing Red Right Arrow
Reduce existing median island
Alternative S-6: Create signalized intersection with I-395 SB off-ramp & Campbell Ave

Convert I-395 Southbound off-ramp to intersection with Campbell Avenue to control speeds and remove weaves.

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