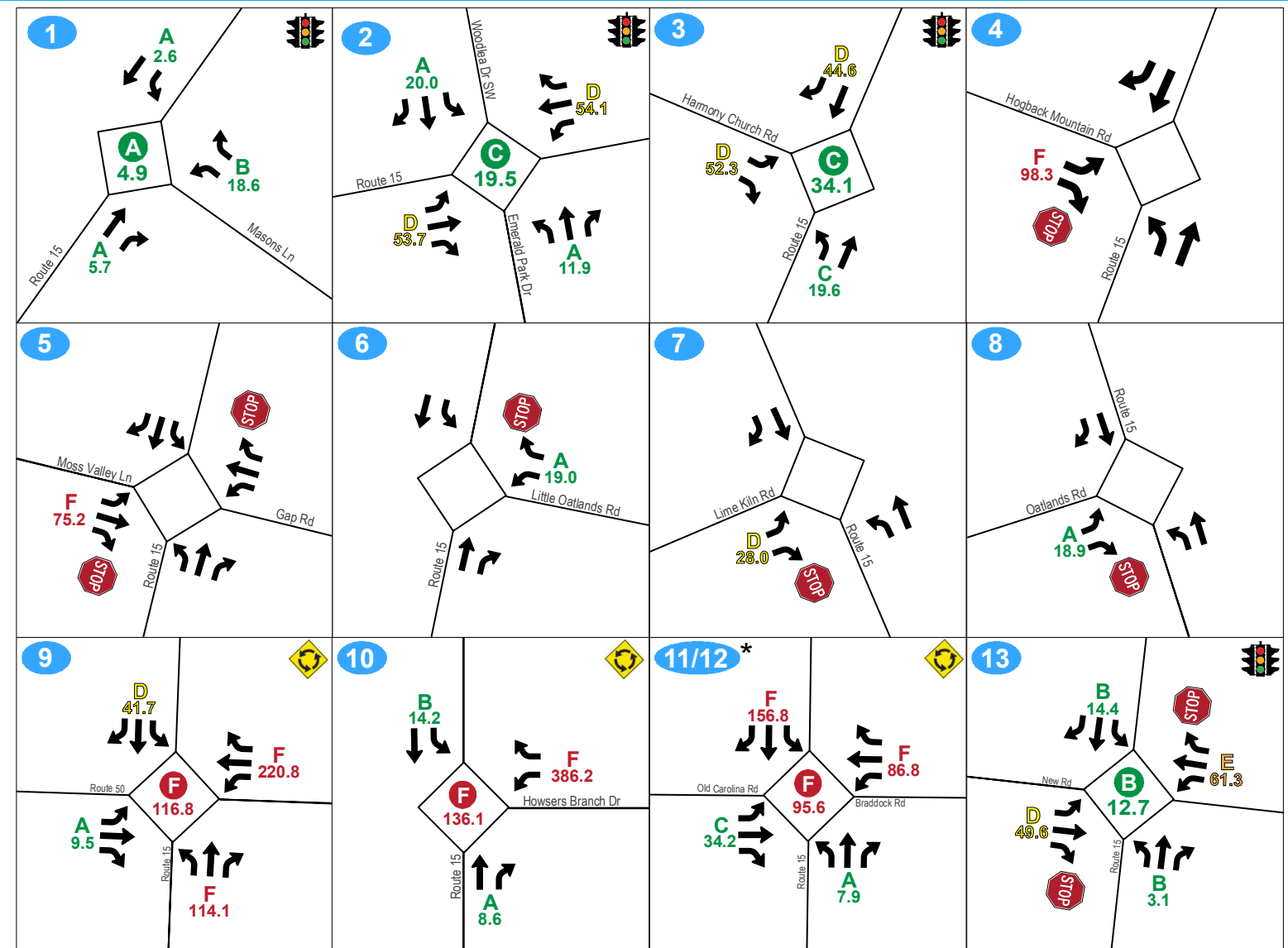
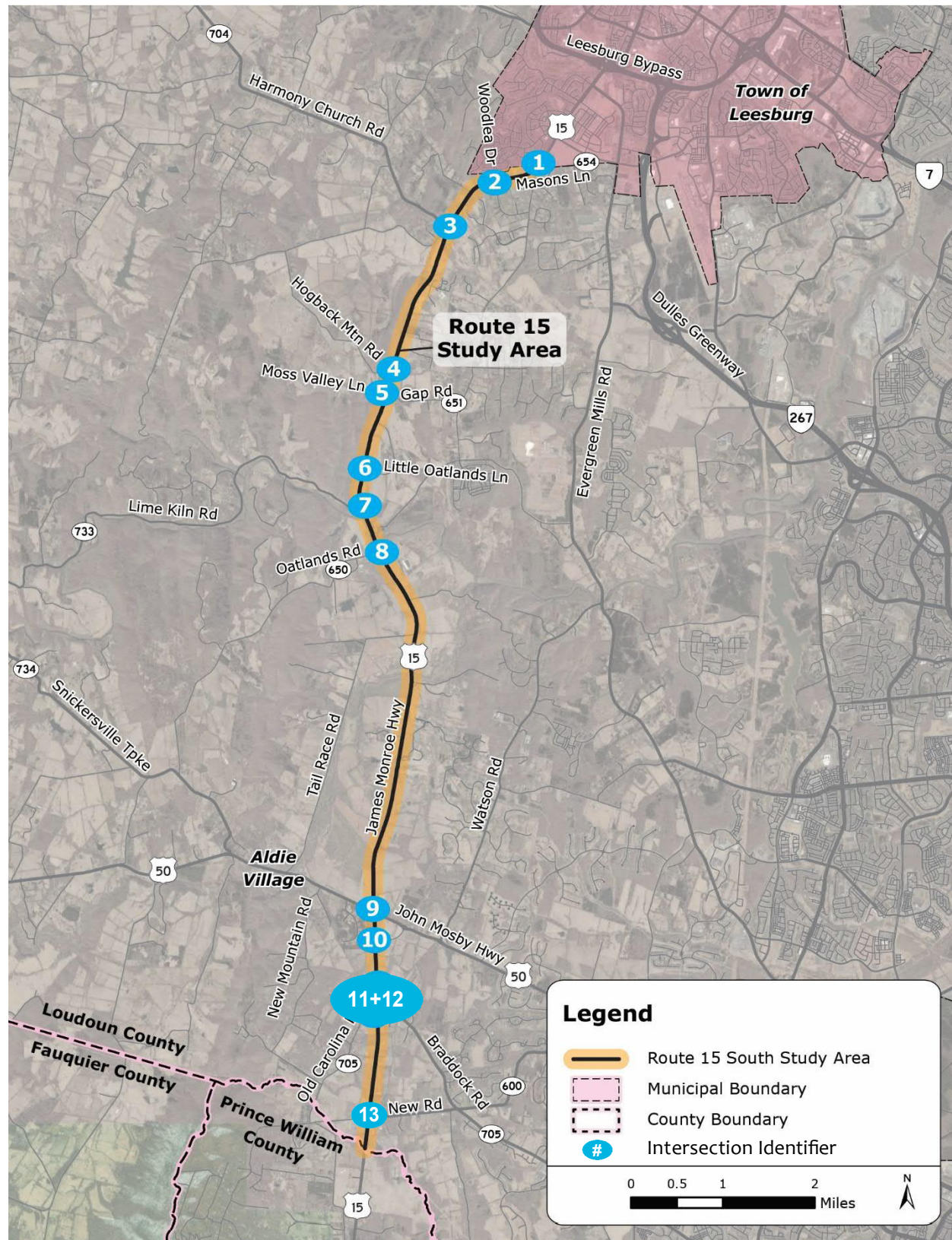


Route 15 South Safety and Operational Study



* Assumes a 2 lane roundabout between Braddock Rd and Route 15.
Synchro HCM 2000 used for Signalized Intersections.
Synchro HCM 6th Ed used for AWSC and TWSC Intersections.
SIDRA Roundabout LOS & HCM Delay Formula used for Roundabout Intersections.

Level of Service	Control delay per vehicle in seconds (d)		
	Signals	Roundabouts	Stop and Yield Signs
A	$d \leq 10$	$d \leq 10$	$d \leq 10$
B	$10 < d \leq 20$	$10 < d \leq 20$	$10 < d \leq 15$
C	$20 < d \leq 35$	$20 < d \leq 35$	$15 < d \leq 25$
D	$35 < d \leq 55$	$35 < d \leq 50$	$25 < d \leq 35$
E	$55 < d \leq 80$	$50 < d \leq 70$	$35 < d \leq 50$
F	$80 < d$	$70 < d$	$50 < d$

Legend

- Permitted Movements
- Yield Controlled Approach
- Stop Controlled Approach
- Signalized Intersection
- Roundabout Intersection
- Intersection Identifier
- Approach LOS/Delay (sec)
- Intersection LOS/Delay (sec)

Level of Service (LOS)

A B C D E F

Future Year (2040) Build Option 2 Delay and Level of Service at Study Intersections (PM Peak).