



Capacity Analysis

- ❑ The freeway segments and intersections were evaluated for Level of Service (LOS)
- ❑ What is Level of Service?
 - LOS is a method of describing how well traffic is moving through the roadway network

LOS	Freeway Density (pc/mi/ln)	Signalized Intersection Delay (sec)
A	<11	< 10
B	> 11-18	> 10-20
C	> 18-26	> 20-35
D	> 26-35	> 35-55
E	> 35-45	>55-80
F	> 45	>80



Capacity Analysis

- Signalized intersection LOS
 - SYNCHRO
- Sign controlled intersection LOS
 - SYNCHRO
- Freeway LOS
 - Highway Capacity Software
 - Corsim Software
 - Vissim Software
 - Merging of four lanes to three on SR 141 northbound
 - The effects of I-95 northbound on the SR 141 corridor
- Ramp Terminal LOS – Merge/Diverge and Weaving
 - Highway Capacity Software

Capacity Analysis



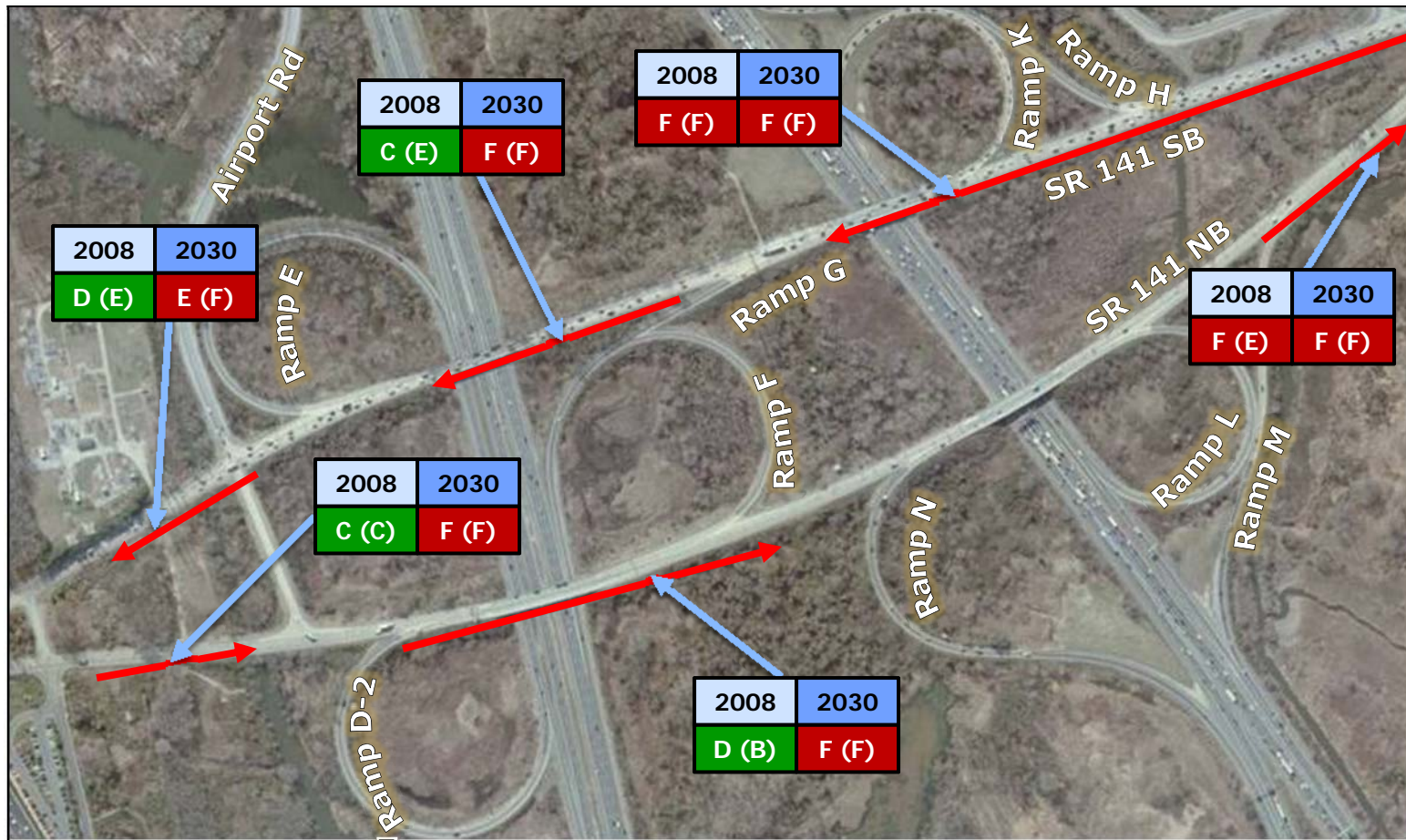
□ Intersection LOS

INTERSECTIONS	CONTROL TYPE	2008		2030	
		AM	PM	AM	PM
SIGNALIZED INTERSECTIONS					
Commons Blvd.	Fully Actuated	F	D	F	E
Airport Rd.	Fully Actuated	C	D	D	F

INTERSECTIONS	CONTROL TYPE	2008		2030	
		AM	PM	AM	PM
UNSIGNALIZED INTERSECTIONS					
Airport Rd.	Stop Sign	E	F	F	F
Old Airport Rd	Stop Sign	F	F	F	F
Ramp G & F	Yield Sign	F	F	F	F

Capacity Analysis

Freeway LOS



Capacity Analysis

I-95 Interchange Ramp Terminal and Weaving LOS

