

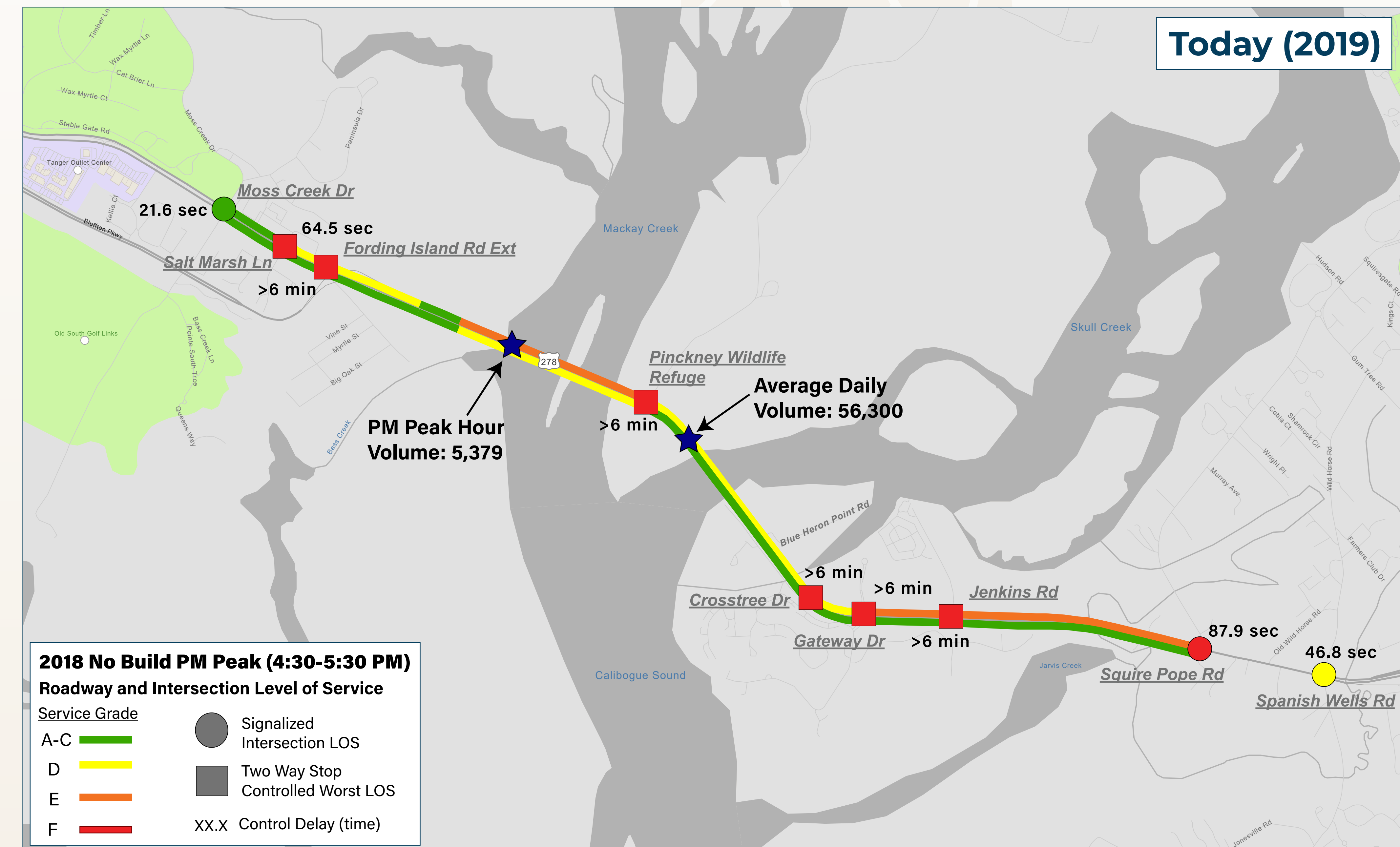
# UNDERSTANDING TRAFFIC

## How do we measure congestion today and in the future?

**Traffic Counts** ▶ Traffic counts were conducted August 8, 2018 during Peak times: 7-9 AM and 4-6 PM. During these times, counts were collected for cars, trucks, and buses.

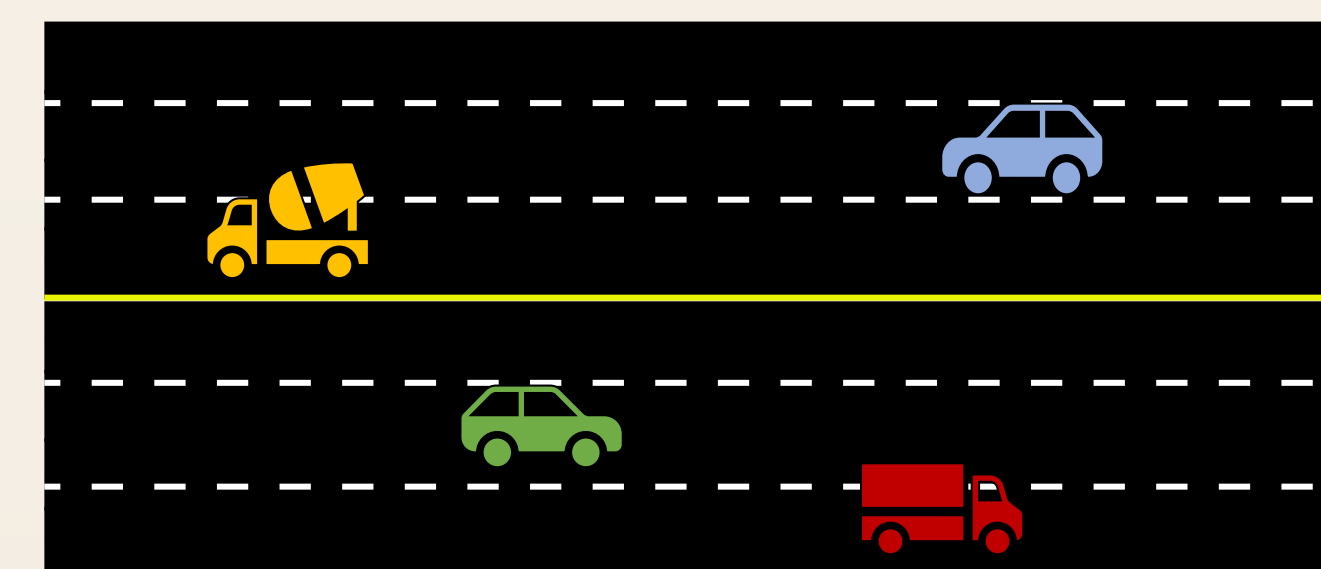
**Level of Service (LOS)**

Free flow	LOS A	
Stable flow (slight delays)	LOS B	
Stable flow (acceptable delays)	LOS C	
Approaching unstable flow (tolerable delays)	LOS D	
Unstable flow (intolerable delays)	LOS E	
Forced flow (congested, queues fail to clear)	LOS F	



## What does this mean? What capacity do we need?

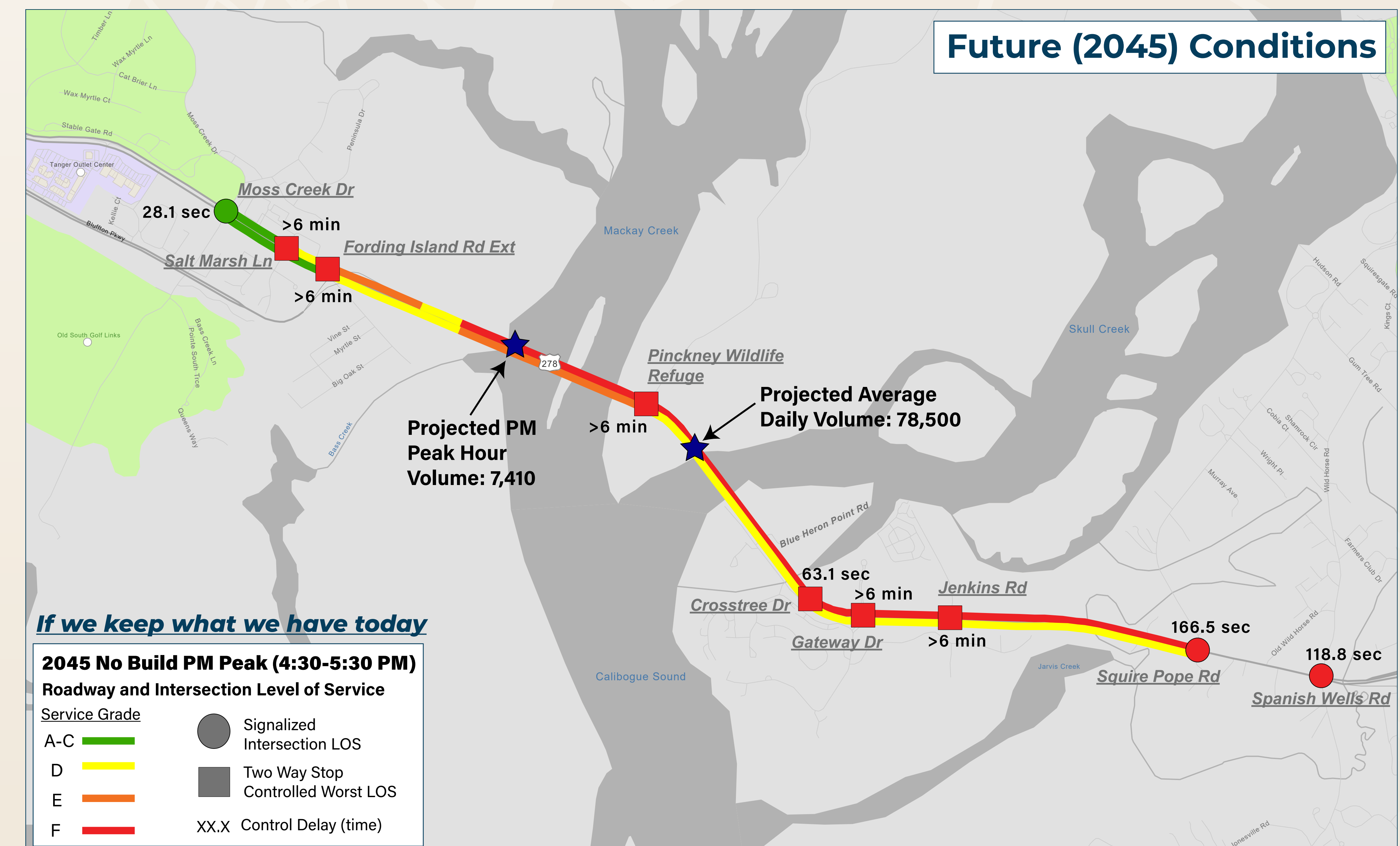
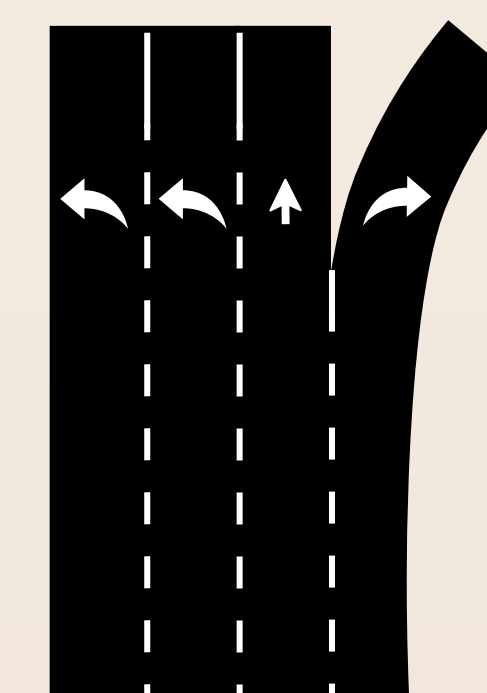
**Capacity Needs (Prior to the Environmental Assessment)** ▶ 3 lanes in each direction on the mainline  
Why? Having only 2 lanes in each direction on US 278 in the year 2045 when traffic counts are projected to exceed 72,600 vehicles per day would result in a LOS E.



**Design Guidelines** ▶ Roadway capacity design is based on a 1.19% annual growth rate



- ▶ Improving intersection design
- ▶ Signal timing
- ▶ Signage
- ▶ Turn lanes



Regional Travel Demand Model used to forecast future population, household, and employment growth rates.