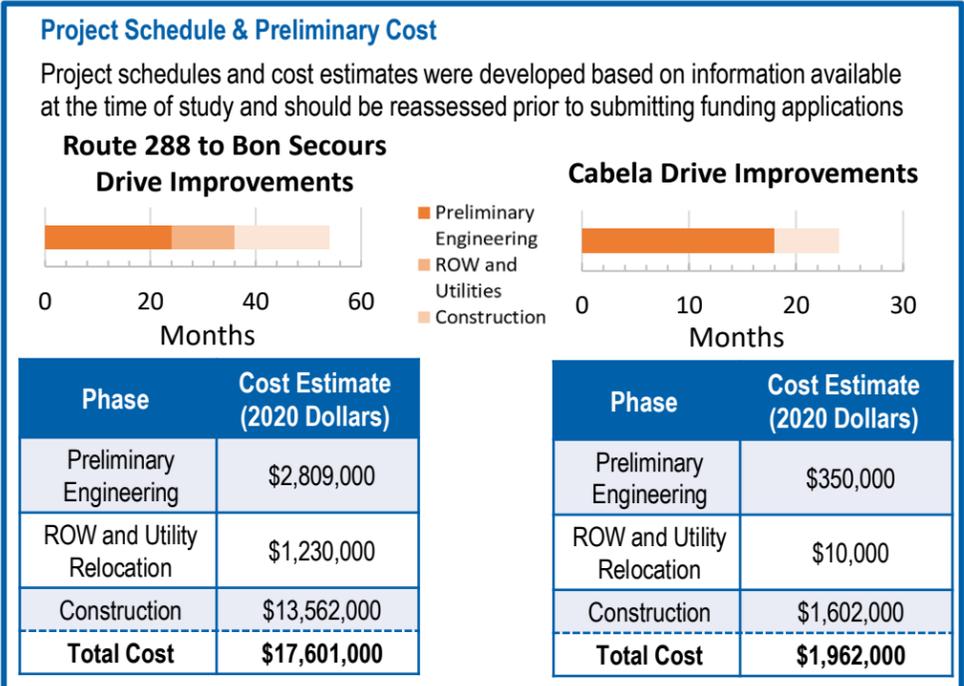
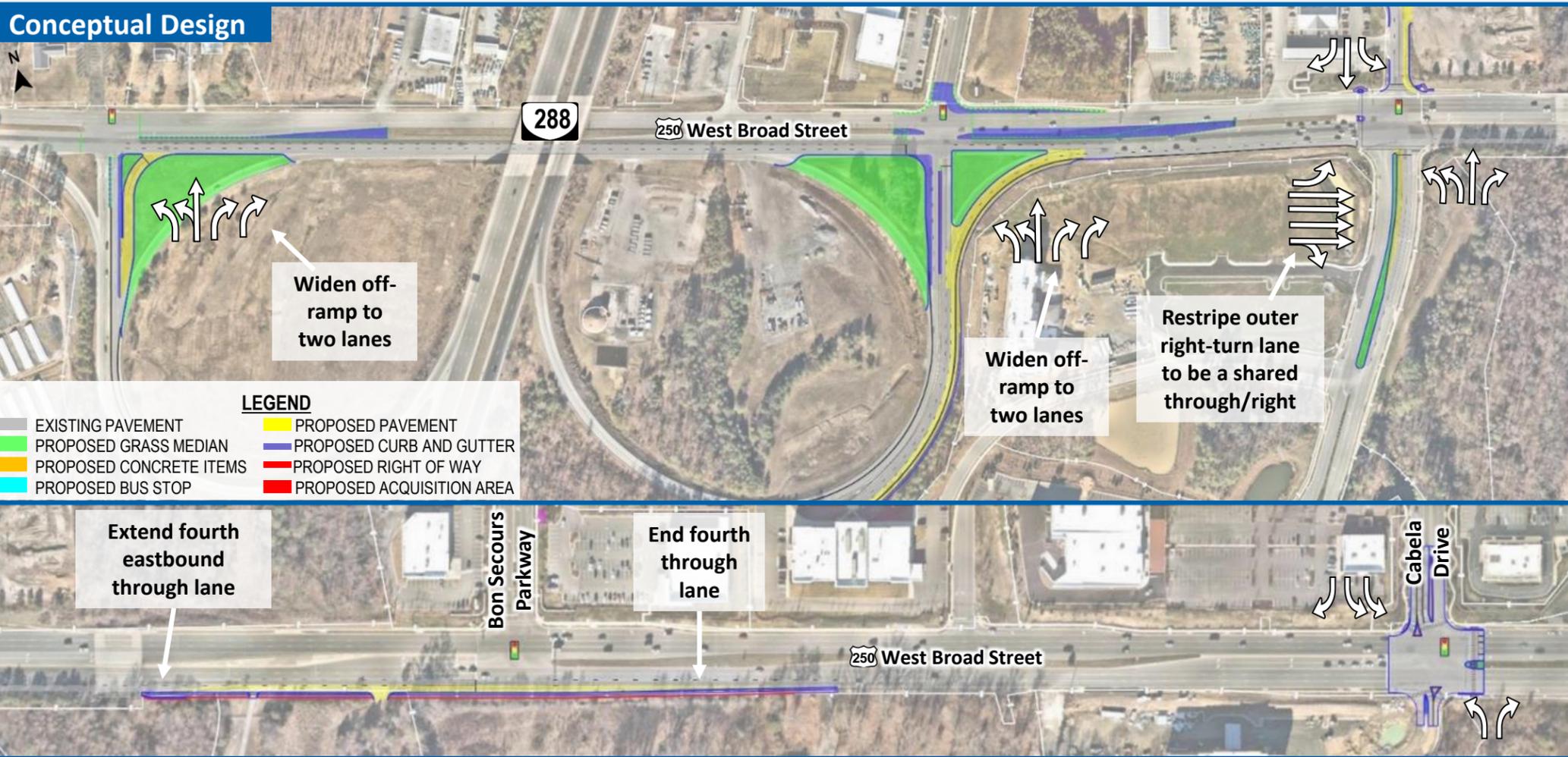
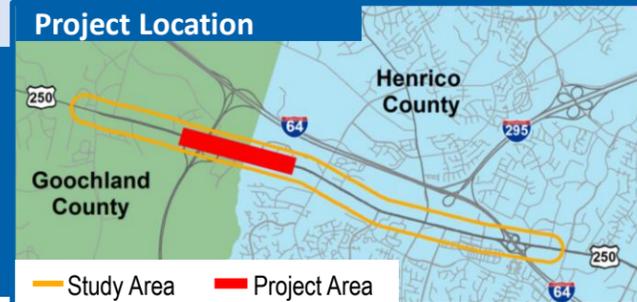


ROUTE 288 INTERCHANGE TO CABELA DRIVE

Recommended Improvements



Safety Results

Constructing an additional turn lane at the northbound Route 288 ramps and reducing the northbound right turn queue in the PM peak hour is expected to minimize the impacts to mainline Route 288 and reduce the risk for congestion-related crashes on the limited access facility. Improving operations and increasing throughput along the US 250 corridor is expected to reduce congestion-related rear-end crashes.

Improvements Description

The improvements proposed at this location include:

- Constructing dual northbound right-turn lanes at the southbound Route 288 ramp intersection.
- Widening the northbound Route 288 off-ramp to two lanes.
- Restriping the eastbound approach at Wilkes Ridge Parkway from a right-turn only lane to a shared through/right lane and construct side street intersections improvements.
- Extending the fourth eastbound through lane east of the Bon Secours Parkway intersection.
- Constructing a thru-cut intersection at Cabela Drive.

These improvements are expected to reduce northbound queues at the Route 288 off-ramp and along eastbound US 250, reduce intersection delays at Wilkes Ridge Parkway and Cabela Drive, and reduce congestion-related crashes between Route 288 and Cabela Drive.

Traffic Operations Results

Constructing dual right turn lanes at the northbound Route 288 off-ramp is expected to reduce northbound off-ramp queues and reduce the risk of impacts to mainline Route 288. Restriping the eastbound approach at Wilkes Ridge Parkway and extending the fourth through lane is expected increase eastbound capacity to serve the expected traffic demand.

PM Peak Hour Northbound Route 288 Right-Turn Queue (ft)		Eastbound US 250 PM Peak Hour Throughput (% of demand)	
		Wilkes Ridge Parkway	Bon Secours Parkway
No Build (2040)	9,100	3,830 veh (75%)	2,940 veh (77%)
Build (2040)	1,800	3,870 veh (100%)	3,820 veh (100%)