



BLUE OPTION

REALIGN ROUTE 19 TO THE WEST WITH SIGNALIZED INTERSECTION AND NEW 5-LEG ELLIPTICAL ROUNDABOUT
COST: \$9.45 MILLION

- DESCRIPTION OF IMPROVEMENTS:**
- REALIGN ROUTE 19 TO THE WEST
 - RECONSTRUCT SIGNALIZED INTERSECTION AT NORTH OUTER ROAD (BOONESLICK ROAD)
 - CONSTRUCT 5-LEG OVAL ROUNDABOUT AT EASTBOUND I-70 RAMP AND SOUTH OUTER ROAD (TREE FARM ROAD)
 - RECONSTRUCT EASTBOUND OFF-RAMP
 - CONSTRUCT NEW SOUTH OUTER ROAD (TREE FARM ROAD) INTERSECTION
 - 48' WIDE BRIDGE TO PROVIDE TWO TRAFFIC LANES AND CENTER TURN LANE
- ADVANTAGES:**
- LOWEST COST
 - LESS BRIDGE SKEW WITH I-70 = SHORTEST BRIDGE
 - IMPROVES RAMP INTERSECTION ANGLES AND SIGHT DISTANCE
 - NORTH HALF OF INTERCHANGE SIMILAR TO EXISTING
 - ROUNDABOUT DECREASES PROBABILITY AND SEVERITY OF CRASHES
 - MINIMAL ENVIRONMENTAL IMPACTS
- DISADVANTAGES:**
- CREATES "JOG" IN ROUTE 19 ALIGNMENT
 - SIGNAL MAINTENANCE COSTS
 - LEARNING CURVE FOR DRIVERS TO BECOME FAMILIAR WITH 5-LEG OVAL ROUNDABOUT
 - EXTENDED CLOSURE OF EASTBOUND I-70 RAMP AND SOUTH OUTER ROAD DURING CONSTRUCTION
 - CREATION OF NEW SOUTH OUTER ROAD INTERSECTION WITH ROUTE 19
 - RETAINING WALLS REQUIRED ALONG I-70
 - WESTBOUND RAMP INTERSECTION WILL REQUIRE ALL-WAY STOP IN FUTURE = TRAFFIC CONGESTION AT INTERSECTIONS

INTERSECTION PERFORMANCE
A TO F GRADING SCALE (A=EXCELLENT; D=ACCEPTABLE; F=FAILURE)

INTERSECTION	CURRENT (2021)	FUTURE (2041)
NORTH OUTER ROAD-SIGNAL	A/B	B
WESTBOUND RAMPS	A (RAMP STOP CONTROL)	B/C (3-WAY STOP)
5-LEG OVAL ROUNDABOUT	B/A	C
SOUTH OUTER ROAD (EAST)	A (OR STOP CONTROL)	A (OR STOP CONTROL)

