

RED OPTION

REALIGN ROUTE 19 TO THE WEST WITH SIGNALIZED INTERSECTION AND NEW 4-LEG ROUNDABOUT
COST: \$9.78 MILLION

DESCRIPTION OF IMPROVEMENTS:

- REALIGN ROUTE 19 TO THE WEST
- RECONSTRUCT SIGNALIZED INTERSECTION AT NORTH OUTER ROAD (BOONESLICK ROAD)
- CONSTRUCT 4-LEG ROUNDABOUT AT SOUTH OUTER ROAD (TREE FARM ROAD)
- 56' WIDE BRIDGE TO PROVIDE TWO TRAFFIC LANES AND CENTER TURN LANE

ADVANTAGES:

- INTERSECTIONS SIMILAR TO EXISTING INTERCHANGE CONFIGURATION
- TRADITIONAL 4-LEG ROUNDABOUT UTILIZED AT TREE FARM ROAD
- ROUNDABOUT DECREASES PROBABILITY AND SEVERITY OF CRASHES
- MINIMAL ENVIRONMENTAL IMPACTS

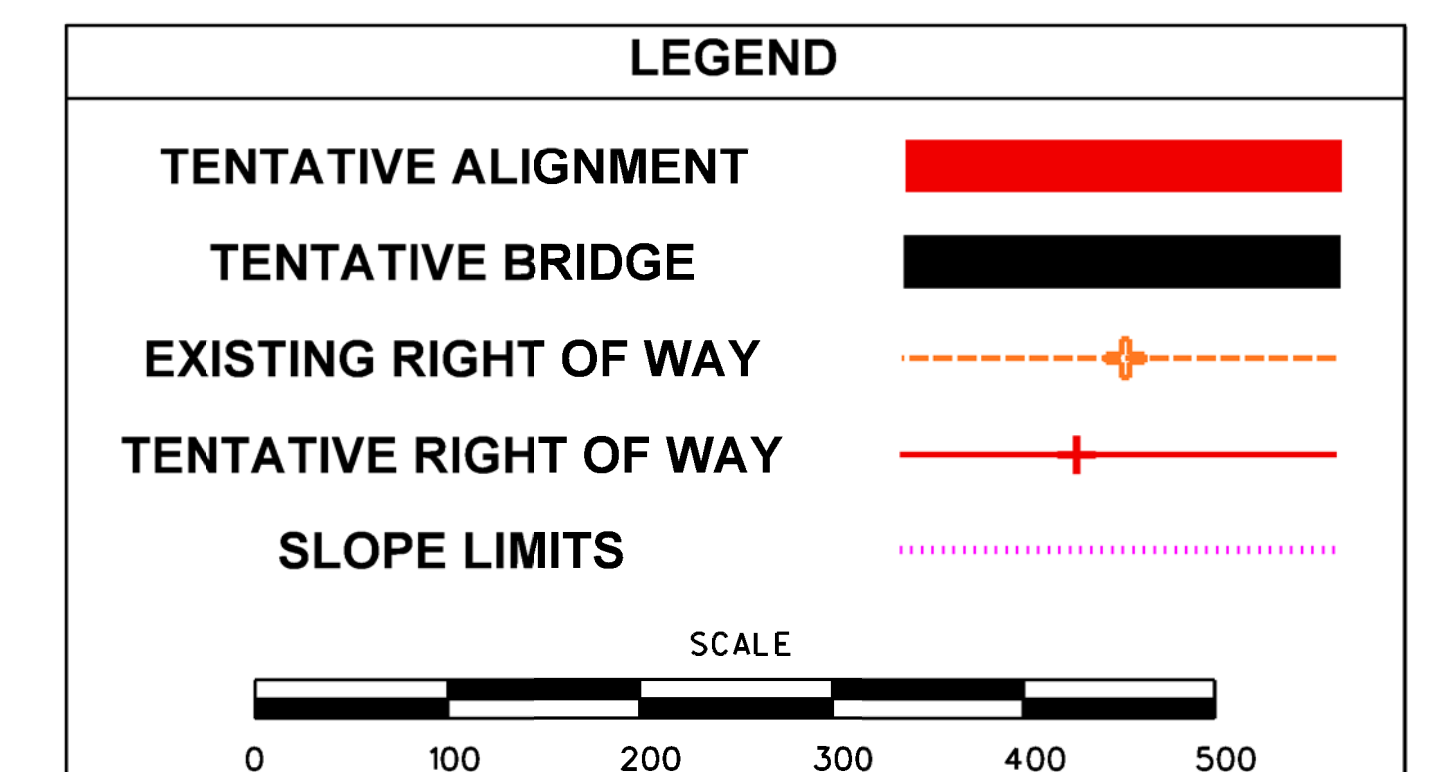
DISADVANTAGES:

- ANGLE OF RAMP INTERSECTIONS STILL CAUSE SIGHT DISTANCE ISSUES
- WIDER BRIDGE REQUIRED TO MINIMIZE SIGHT DISTANCE ISSUES
- HIGHEST BRIDGE COST
- SIGNAL MAINTENANCE COSTS
- RAMP INTERSECTIONS WILL REQUIRE ALL-WAY STOP IN FUTURE
- FUTURE TRAFFIC CONGESTION DUE TO STOP CONTROL 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)
EASTBOUND RAMPS	A (RAMP STOP CONTROL)	C/B (3-WAY STOP)
SOUTH OUTER ROAD-ROUNDABOUT	A	B



JACOBS

