

RANGE OF ALTERNATIVES - RED ALTERNATIVE

301 US 301 Project Development

DESCRIPTION OF THE RED ALTERNATIVE



**4 LANES - LIMITED ACCESS -
ALONG EXISTING US 301, SR 896 & ON NEW LOCATION**

Project Team Recommendation

RETAIN for Detailed Evaluation DROP from Further Consideration

- Significant Engineering Issues
- Moderate Environmental Impacts
- Lack of Public and Resource Agency Support

ENGINEERING - TRAFFIC & SAFETY CONSIDERATIONS

Advantages

- Improves safety by separating local from through traffic

Disadvantages

- Longest alternative - 17.4 miles
- Highest cost alternative
- Highest number of interchanges - 7
 - New I-95 / SR 896 / OBP Interchange (costly/complex management of traffic during construction)
 - New interchange at US 40/SR 896 (complex management of traffic during construction), also recommended by Route 40 Transportation Plan
- Higher number of overpasses - 9
- Includes new bridge across C&D Canal (requires securing Corps approval and funding / congressional action)
- Higher number of properties impacted

Comparison of the Range of Alternatives - Engineering

ENGINEERING CONSIDERATIONS	NO BUILDS	YELLOW	ORANGE	PURPLE	BROWN	GREEN	RED	BLUE	OTHER
Number of Interchanges	0	1	2	3	4	5	7	8	9
Number of Overpasses	0	0	1	2	3	4	5	6	9
Number of Properties Impacted	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Acquired	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Relinquished	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Retained	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Transferred	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Acquired and Relinquished	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Acquired and Retained	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Acquired and Transferred	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Relinquished and Retained	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Relinquished and Transferred	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Retained and Transferred	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Acquired, Relinquished, and Retained	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Acquired, Relinquished, and Transferred	0	10	20	30	40	50	60	70	80
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Number of Right-of-Way Acquired, Relinquished, Retained, and Transferred	0	10	20	30	40	50	60	70	80

CULTURAL & ENVIRONMENTAL RESOURCES

Advantages

- No DNREC Tidal Wetland impacts - 0 acres
- Mid-range Wetland impacts - 27.4 acres

Disadvantages

- Highest Floodplain impacts - 5.3 acres
- Higher Agricultural District impacts - 28 acres
- Highest Forestland impacts - 86.7 acres
- Highest Park and Recreation Area impacts - 31.1 acres
- Highest Natural Area impacts - 10.3 acres

Note: Detailed evaluation is continuing to identify cultural resources and assess potential effects

Comparison of the Range of Alternatives - Cultural & Natural Resources

CULTURAL CONSIDERATIONS	NO BUILDS	YELLOW	ORANGE	PURPLE	BROWN	GREEN	RED	BLUE	OTHER
Number of Wetland Impacts	0	0	10	20	30	40	27.4	50	60
Number of Floodplain Impacts	0	0	0	0	0	0	5.3	10	15
Number of Agricultural District Impacts	0	0	0	0	0	0	28	50	60
Number of Forestland Impacts	0	0	0	0	0	0	86.7	100	110
Number of Park and Recreation Area Impacts	0	0	0	0	0	0	31.1	50	60
Number of Natural Area Impacts	0	0	0	0	0	0	10.3	20	30
Number of Properties Impacted	0	10	20	30	40	50	60	70	80
Number of Right-of-Way Acquired	0	10	20	30	40	50	60	70	80
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ENVIRONMENTAL CONSIDERATIONS	NO BUILDS	YELLOW	ORANGE	PURPLE	BROWN	GREEN	RED	BLUE	OTHER
Number of Wetland Impacts	0	0	0	0	0	0	27.4	50	60
Number of Floodplain Impacts	0	0	0	0	0	0	5.3	10	15
Number of Agricultural District Impacts	0	0	0	0	0	0	28	50	60
Number of Forestland Impacts	0	0	0	0	0	0	86.7	100	110
Number of Park and Recreation Area Impacts	0	0	0	0	0	0	31.1	50	60
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PUBLIC COMMENTS ON RED ALTERNATIVE

Public comments received by the comment period ending July 22, 2005 (31 Retain / 75 Drop)

Advantages

- Provides an additional north/south expressway corridor accessing I-95
- Results in most direct route to I-95

Disadvantages

- Greatest area of impact
- Highest cost alternative
- Significant impacts to natural environment and cultural resources

ALTERNATIVE	SUPPORT	DO NOT SUPPORT	ADD
Yellow Alternative	79	125	-
Orange Alternative	57	114	-
Purple Alternative	156	72	-
Brown Alternative	50	161	-
Green Alternative	219	50	-
Red Alternative	31	75	-
Blue Alternative	-	-	42*
Other	-	-	17

* Blue Alternative added as a result of Public Comments received at June 2005 Workshops

Public Comments (as of July 22, 2005) on the potential Range of Alternatives presented at Public Workshops - June 20 & 21, 2005