

RANGE OF ALTERNATIVES - YELLOW ALTERNATIVE

301 US 301 Project Development

DESCRIPTION OF THE YELLOW ALTERNATIVE



**4 LANES - LIMITED ACCESS -
ALONG EXISTING US 301 & BOYDS CORNER ROAD**

Project Team Recommendation

- RETAIN for Detailed Evaluation
- DROP from Further Consideration

- Only true "On-alignment" alternative
- Evaluate on own merits and as a basis of comparison with "No-build" and "Off-alignment" options

ENGINEERING - TRAFFIC & SAFETY CONSIDERATIONS

Advantages

- Retains the new roadways in existing roadway corridors (US 301 / Boyds Corner Road)
- Improves safety by separating local from through traffic
- Mid-range cost to construct

Disadvantages

- Highest number of properties impacted, businesses and homes along existing US 301 and SR 896 will bear the brunt of the impact
- Higher potential for traffic impact during construction (along existing US 301 and SR 896)
- One-way frontage roads between Armstrong Corner and Boyds Corner Roads – access to some properties circuitous
- Not possible to lower roadway profile, due to overpasses of Boyds Corner Road (2) and Shallcross Lake Road, therefore, difficult to mitigate indirect impacts

Comparison of the Range of Alternatives - Engineering

ENVIRONMENTAL CONSIDERATION	NO BUILDS	YELLOW	ORANGE	PURPLE	BROWN	GREEN	RED	BLUE	OTHER
Number of Properties Impacted	0	125	114	72	161	50	219	31	42
Number of Businesses Impacted	0	125	114	72	161	50	219	31	42
Number of Homes Impacted	0	125	114	72	161	50	219	31	42
Number of Wetlands Impacted	0	0	14	0	0	0	0	0	0
Number of Forestlands Impacted	0	0	31.5	0	0	0	0	0	0
Number of Agricultural Districts Impacted	0	0	14	0	0	0	0	0	0
Number of Cultural Resources Impacted	0	0	0	0	0	0	0	0	0
Number of Waters of the US Impacted	0	0	0	0	0	0	0	0	0
Number of Tidal Wetlands Impacted	0	0	0	0	0	0	0	0	0
Number of Non-Tidal Wetlands Impacted	0	0	0	0	0	0	0	0	0
Number of Forestlands Impacted	0	0	31.5	0	0	0	0	0	0
Number of Agricultural Districts Impacted	0	0	14	0	0	0	0	0	0
Number of Cultural Resources Impacted	0	0	0	0	0	0	0	0	0
Number of Waters of the US Impacted	0	0	0	0	0	0	0	0	0
Number of Tidal Wetlands Impacted	0	0	0	0	0	0	0	0	0
Number of Non-Tidal Wetlands Impacted	0	0	0	0	0	0	0	0	0

CULTURAL & ENVIRONMENTAL RESOURCES

Advantages

- No DNREC Tidal Wetland impacts - 0 acres
- Mid-range Agricultural District impacts - 14 acres
- Lower Forestland impacts - 31.5 acres

Disadvantages

- The anticipated cultural resource impacts are greater - along existing roadways, but detailed evaluation is continuing to identify resources and assess potential effects
- Highest Wetland Impacts - 47.9 acres
- Higher Waters of the US impacts - 17,320 LF

Comparison of the Range of Alternatives - Cultural & Natural Resources

CULTURAL CONSIDERATION	NO BUILDS	YELLOW	ORANGE	PURPLE	BROWN	GREEN	RED	BLUE	OTHER
Number of Wetlands Impacted	0	0	14	0	0	0	0	0	0
Number of Forestlands Impacted	0	0	31.5	0	0	0	0	0	0
Number of Agricultural Districts Impacted	0	0	14	0	0	0	0	0	0
Number of Cultural Resources Impacted	0	0	0	0	0	0	0	0	0
Number of Waters of the US Impacted	0	0	0	0	0	0	0	0	0
Number of Tidal Wetlands Impacted	0	0	0	0	0	0	0	0	0
Number of Non-Tidal Wetlands Impacted	0	0	0	0	0	0	0	0	0
Number of Forestlands Impacted	0	0	31.5	0	0	0	0	0	0
Number of Agricultural Districts Impacted	0	0	14	0	0	0	0	0	0
Number of Cultural Resources Impacted	0	0	0	0	0	0	0	0	0
Number of Waters of the US Impacted	0	0	0	0	0	0	0	0	0
Number of Tidal Wetlands Impacted	0	0	0	0	0	0	0	0	0
Number of Non-Tidal Wetlands Impacted	0	0	0	0	0	0	0	0	0

PUBLIC COMMENTS ON YELLOW ALTERNATIVE

Public comments received by the comment period ending July 22, 2005 (79 Retain / 125 Drop)

Advantages

- Using existing roadway corridor is good - keeps trucks and traffic where they are now
- Affects only existing communities that are already on a major road

Disadvantages

- Concern that Yellow divides Middletown in two (Adverse impacts on community cohesion and established commercial enterprises)
- Too many properties impacted - businesses and homes along US 301 & SR 896 will suffer
- Concern that alternative will divide the proposed Bayberry development in two, impact the Cedar Lane Elementary School and take the New Covenant Church
- Concern that flyover ramp tie to SR1 at Boyds Corner Road will create impact to Grande View Farms – visual, noise, etc. – difficult to mitigate impacts
- Effect on Cultural Resources is too great

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