RANGE OF ALTERNATIVES - BLUE ALTERNATIVE





301/ US 301 Project Development

DESCRIPTION OF THE BLUE ALTERNATIVE

4 LANES - LIMITED ACCESS -ON NEW LOCATION



Project Team Recommendation *

- ☐ RETAIN for Detailed Evaluation
- □ DROP from Further Consideration

- Developed as a result of comments received at the June workshops
- Informal Public and Resource Agency input to date
- Comparable data now available for formal Public and Resource Agency input

ENGINEERING - TRAFFIC & SAFETY CONSIDERATIONS

Advantages

- Shortest alternative 6.3 N / 6.8 S miles
- Lowest cost alternative
- Lowest number of properties impacted
- Improves safety by separating local from through traffic

- Carries the lowest traffic volumes on new US 301 20,000-26,000 vpd (vehicles per day) vs. 30,000-55,000 vpd for other alternatives
- Results in the highest volume of traffic on US 301 North of Middletown, on Cedar Lane Road, and on SR 299 through Middletown, thus requiring additional improvements to local roads in Middletown area

Comparison of the Range of Alternatives - Engineering

ENGINEERING CONSIDERATIONS	No Build Albertains	YELLOW	ONAMOR	Patrice	BROWN North Option	BROWN South Cysten	GREEN North Option	CREEK South Option			reo .
General Correlations											
Pratiminary Cost (Costillans)		EME	\$40		\$434	500	po	\$369	1276	EID .	DOAR
Right of Way Association Europe		Hyp	Mgh	Militarya	Mri Kanpe	Mid-Range	Mild Kange	Michaepe	Low	Low	Hyb
ENGINEERING CONSCERNTIONS											
Total length of alternative (miles)	8.0	19.6	143	100	16.0	144	13.1	12.6	E3	44	17.4
(nimhange(s)											
Number		3	4		4	4			2	2	7
1 Lossian(s)		Tiles of Waldelman	Vissi of Mobiletown	New of Middletone	West of Middleform	Visual of Middlehourn	View of Middlebourn	West of Middletown	Datelre	Datelow	Levels Resell SYS
Type		Split Diamond	Spili Diamond		Danuni	Damoni	Diamond	Damend	Dumpel	Transport	Diamond
3 Louise(n)		North of Middletown	North of Wildelman	North of Mobiletown	DESIGN at the house of Europei Bridge	North of Middelson	North of Middlebourn	North of Middletown	DS 1, South of Mobiletown	ER 1, Easts of Middelson	SR15SR06Choplank Road
Type		Dip Kanya	Dip Farrys		Partial Covertical	Fertial Conselled	Split Diamond	Partial Circuminal	Directional	Directorul	Danuni
3 Louise(n)		2011 at Bayds Corner Float	Jamison Corner Road		DRING morth of Summit Aristian	Jamison Corner Road	Janison Comer Road	Jamisons Corner Road			Brenner Boulevard / Red Clar Road
Type .		Directional	Diamond		Fertal Coverteal	Damoni	Diamond	Diamond			Daniel
d Loudinn(n)			SNI North of Tell Place		Jamison Corner Road	SNI North of Tel Place	ERI North of Sci Plans	SET North of Bull Plants			Parker Road
Tor			Directional		Diamond	Directional	Destand	Directional			Damend
E Louise(n)					SRI North of Tell Plans						10 40
Type					Cirectorul						Diamond (1 Loop)
6 Lossian(n)											Old Ballimore Pile
Type											Diamond
7 Louise(s)											166
Total											Seni Charlistal
Overpuncjes)											
Namber					7		4		4		
Construit)		Middeloun Business & Technology Park	Moldetown Business & Technology Park	Surface Hill Floral	Burker Hillians	Burker Hill Flows	States Hill Food	Barter HE Free!	Levels Final	Stealery Lane	Eurise Hil Final
2 Location(s)		Sorter Hill Found	Burker HE Road		Bahamia Will Food	Enhanta Mil Road	Bahama Mil Food	Bohamia Mil Floral	Green Glard Float	Levels/Road	Bahamia Mil Road Mari Pil Road
3 Location(s)		Broad Dreed	Broad Street	24.86	Chil School House Road	Old School Florage Florad	57404	Drawe	Wiggins Mil Road	Green Clark Road	Chil School House Road
&Loudon(s)		Mai Pi Road	Mari Pi Food		Chunktown Road	Charakteen Food	Hyelis Corner Food	Hysila Corner Road	North Engles Rained	Califord Comer Road	Chunktown Road
\$ Location(s)		Entering LIE 201	Churchtown Road	24.86	Norlob-Southern Ealmont	US 301 Local			Summit Stringe Found	Nortols Southern Entreed	Charageaste and Delassare Canal
#Location(s)		Norbit Southern Kalmani	DOM:	Shallerma Lake Road	Falledge Road	Norbib Southern Rabmad			Money Road	Dealer Corner Final	Chenapeale City Read
7 Location(s)		EFANG	Notab Engham Raincad		Hyeli's Corner Road	Reletje final				Entropi Spor	Davey Road / Housel Exhaul Fload
Elevator(s)		Jamison Corner Road	Ratinity Front			Hyeli's Corner Road				Surreit Bridge Fload	Corporate Birel
*Loudon(s)		EFANG	Hyelis Comer Road								Four Seasons Pitop / Chi Constrat Strings Found
Milesator(s)											
Table 1. Prolinating south dit and finished digit of may expectate.											

CULTURAL & ENVIRONMENTAL RESOURCES

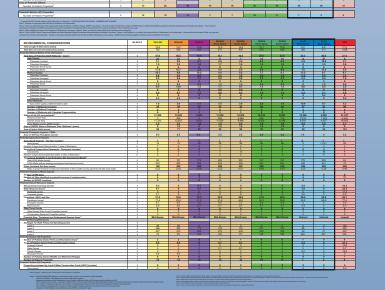
Advantages

- Mid-range Wetland impacts 29.3 N acres
- $\color{red} \bullet$ Mid-range to Low Waters of the US impacts 10,360 N / 6,280 S $\,$ LF
- No DNREC Tidal Wetland impacts
- Mid-range to Lower Floodplain impacts 1.6 N / 0 S acres
- No Agricultural District impacts

- May not be consistent with goals and objectives of "Livable Delaware" additional analysis required.
- Higher Wetland impacts 45.9 acres N
- Mid-range Forestland impacts 58.4 N / 66.9 S acres
- Highest potential impact to Rare, Threatened and Endangered Species

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

Comparison of the Range of Alternatives - Cultural & Natural Resources



PUBLIC COMMENTS ON BLUE ALTERNATIVE

At the June Public Workshops, there were 59 members of the public who requested that additional alternatives be considered; of these, 42 requests were to add a southern alternative. As a result, the Project Team added to our Range of Alternatives an alignment south of Middletown that would directly connect US 301 with SR 1.

The Project Team has designated the southern alternative as the Blue Alternative, and it has two options, North and South, as shown on the map

Since the June Public Workshops, the Project Team has received many comments regarding the Blue Alternative, the majority of which were in

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

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

