# RANGE OF ALTERNATIVES - ORANGE ALTERNATIVE



8

301/ US 301 Project Development

## **DESCRIPTION OF THE ORANGE ALTERNATIVE**









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

## Project Team Recommendation

- □ RETAIN for Detailed Evaluation
- **DROP from Further Consideration**
- Significant Engineering Issues
- Significant Environmental Impacts
- Lack of Public and Resource Agency Support

## **ENGINEERING - TRAFFIC & SAFETY CONSIDERATIONS**

### **Advantages**

- Retains the new north/south roadway in existing roadway corridor (US 301)
- Moderate impact on existing communities (within 600 feet) 4
- Improves safety by separating local from through traffic

- Higher cost to construct (along existing US 301, length of roadway and service roads, highest number of overpasses)
- Higher impact on properties impacted, businesses and homes along existing US 301 will bear the brunt of the impact
- Higher potential traffic impact during construction (along Existing US 301)
- One-way frontage roads between Armstrong Corner and Boyds Corner Roads access to some properties circuitous
- Impact on Summit Airport not on existing runway, but on airport expansion plans

## Comparison of the Range of Alternatives - Engineering

ENGINEERING CONSIDERATIONS	Albertadore	YELLOW	ORANGE		BACKEN North Option	Brooks System	Nath Option	Easth Option			AND
Senand Considerations											
Proliminary Cost (Costillano)		EMI	\$400	EUT	8424	son	DO	\$369	8276	EIO .	DGAR
Sight of Way Association Europe		High	Hyb	Mil Kerps	Mrk Range	Mri Flange	Mil Kerge	Michaepe	Low	Low	Hyb
NGNEERING CONSCERATIONS											
Dried length of alternative (miles)	8.0	124	162	12.0	16.0	164	13.1	12.6	63	ca ca	17.4
himhange(s)											
Number		3	4	3		4	4		2	2	7
Loudier(s)		Titled of Widdletown	View) of Mobiletown	Wast of Waldelman	West of Widelesson	Vinsi of Mobiletown	View of Middlehoum	Tites of Middletown	Dateline	Datelow	Levels Resell SVIS
Type		Split Diamond	Spili Diamond	Danuni	Diamond	Damond	Diamond	Damend	Dumpel	Dumpel	Diamond
Lossier(s)		North of Mobiletown	North of Widelessen	North of Middletown	SYSTE at the base of Europe Bridge	North of Moldelman	North of Malabetram		SN 1, South of Middletown	ER 1, Easter of Middletown	SK15SF8NGChoplank Road
Type		Sip Sanys	Elp Famps	Parkel Cornelland	Fertal Circelast	Partial Coverled	Split Diamond	Partial Circumteral	Directional	Directional	Damond
Leading(s)		SKI al Bryth Corner Road	Jamison Corner Road	ER1 at Book Corner Found	SPERS marth of Summit Ariation	Jamison Corner Road	Janison Comer Road				Brenner Bestrumt / Red Clar Road
Type		Directional	Diamond	Drestand	Parkel Coverball	Damond	Damend				Daniel
Leading(s)			ERI North of Tall Place		Jamison Corner Final	201 North of Tel Place	ERI North of Int Place	SNI North of Tell Plants			Perior Rosal
Type			Destroi		Diamond	Directorul	Orestonal				Daniel
Leader(n)					ERI North of Tol Plana						10 40
Type					Directional						Diamond (1 Loop)
Loudon(s)											Old Ballimore Piles
Type											Danuni
Lossier(s)											146
Type											Seni Cirectoral
responsive)											
Number				6	7		4		4		
Elevator(s)		Middelson Barbana & Technology Park	Middelman Business & Technology Park	Surfac HS Final	Series HE Floori	Banker Hill Forest	Barker HE Floral		Levels Rosel	Disabety Late	Eurise Hill Floral
2 Location(s)		Suntan Hill Florant	Burker HE Float	Sohemia Will Food	Bahamia Will Food	Enternia Mili Road	Salvenia VII Food		Green Glant Final	Levels/Road	Bohamia Mil Road / Mari Pil Road
3 Location(s)		Bread Dreet	Broad Street	24.000	Chil School House Road	Clid School House Road	SPANE	State	Wagins Mil Road	Green Clark Road	Chil School House Road
d Location(s)		Mail Philipped	Mari Pi Food	Janisons Corner Road	Churchtown Road	Churchisen Fixed	Hyelis Corner Final		North Endern Rabusi	Califord Corner Road	Chunhisen Real
Elevation(s)		Entering UE 201	Ownteen Real	25.896	Norlak Soutrem Kelmed	UE 301 Lond			Summit Shidge Final	Nortols Southern Fairmed	Overageable and Delasters Canal
Elevator(s)		Norlals Southern Kalmani	DOM:	Distance Late Read	Falledge Total	Norlah Southern Kalmad			Money Road	Design Corner Fiscal	Chemapoulo City Road
7 Levalor(s)		EFAM	Norlah Esuitem Kalmari		Hyeli's Corner Road	Ratinipa Road				Fairsel Spor	Davey Road / Housel Exhaul Found
Elevator(s)		Jaminon Corner Road	Reledge Found			Hyelf's Corner Final				Surveit Bridge Float	Corporate Blod
Elevator(s)		EFEM	Hyeli's Comer Road								Four Ensures Plany / Chi Commes Bridge Fo
Wilmator(s)											

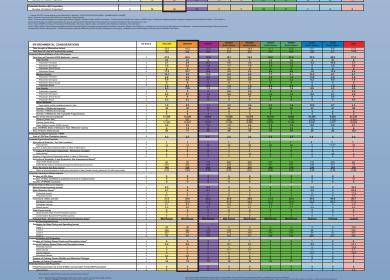
## **CULTURAL & ENVIRONMENTAL RESOURCES**

### Advantages

- Mid-range Agricultural District impacts 14 acres
- Lower Forestland impacts 34.6 acres

- The anticipated cultural resource impacts are greater for Orange along existing roadways, but detailed evaluation is continuing to identify resources and assess
- Higher Wetland impacts 45.5 acres
- Higher Waters of the US impacts 13.320 LF
- Higher DNREC Tidal Wetland impacts 1.5 acres
- Higher Floodplain impacts 2.5 acres

### Comparison of the Range of Alternatives - Cultural & Natural Resources



## **PUBLIC COMMENTS ON ORANGE ALTERNATIVE**

Public comments received by the comment period ending July 22, 2005 (57 Retain / 114 Drop)

• North-south roadway remains along existing US 301 Corridor - does not disturb residential areas

## Disadvantages

- Would destroy businesses and make local access difficult
- Not desirable because of effect on Summit Airport
- Many people will continue to use SR 896 to access I-95
- Many communities affected
- Will produce more congestion and safety hazards
- Complex and costly with high impact on properties
- Concern that Orange divides Middletown in two (adverse impacts on community cohesion and established commercial enterprises)

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

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