RANGE OF ALTERNATIVES - BROWN ALTERNATIVE





301/ US 301 Project Development

DESCRIPTION OF THE BROWN ALTERNATIVE













Project Team Recommendation

- **▼** RETAIN for Detailed Evaluation
- □ DROP from Further Consideration
- Lowest Wetland impacts of all alternatives
- Resource Agencies desire to see further evaluation

ENGINEERING - TRAFFIC & SAFETY CONSIDERATIONS

- Lower number of properties impacted
- Lower impacts on traffic during construction
- Improves safety by separating local from through traffic

- Higher cost alternative
- Longer Alternative 15 miles
- Highest number of interchanges 5 N / 4 S
- Highest number of overpasses 7 N / 8 S Higher construction cost
- Complex interchange at US 301 / SR 896, south of Summit Bridge difficult to mitigate indirect effects (noise, visual, etc.) on Lea Eara Farms West and Summit **Bridge Farms communities**
- Highest number of existing adjacent communities (within 600') 6
- Indirect impact on proposed new school, west of Middletown, and St. George's Technical High School
- Impacts on Summit Airport FAA designated reliever airport, 85 employees, 100 based aircraft, State Police helicopter operations

Comparison of the Range of Alternatives - Engineering

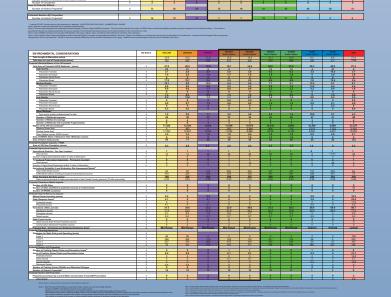
ENGINEERING CONSIDERATIONS	No Build Alternative	YELLOW	ONAMOR	Patricia	BROWN South Spillers	BROWN South Cytion	GREEN Nach Option	CREEK South Option			Man .
Senand Considerations											
Preliminary Cost (Costillans)	0	DHE	\$400	5107	804	Sam	DO	\$369	1276	620	DAGE
Night of Way Association Europe		Hyp	High	Mil Range	Militarge	Mrk Plange	Mil Namps	Militarge	Low	Low	Hyb
ENGINEERING CONSCERNTIONS											
Erial length of alternative (miles)	8.0	19.6	143	19.0	16.0	164	13.1		63	64	17.4
intershamps(n)											
Number		3	4				4		2	2	7
E Louelon(n)		Wast of Waldelman	Wasi of Moldatown	Titled of Middletown	Word of Widdleson	Visual of Middletown	Viral of Middelows		Datelre	Datelow	Levels Resettiff S
Type		Split Diamond	Spili Diamond		Diamond	Damond	Diamond	Diamond	Dumpel	Sumpei	Diamond
2 Loudon(k)		North of Mobiletown	North of Wildelman	Sorth of Mobiletown	SMINE at the base of Europe Bridge	North of Middelesson	North of Middletown		SN 1, South of Malabetreen	ER 1, East of Middelson	SR155999Chopierk Read
Type		Dip Kanya	Dip Farrys		Partial Circumteral	Partial Connected	Split Diamond	Partial Circuminal	Directional	Directorul	Diamond
3 Loudon(s)		SMI at Bepts Corner Food	Jamison Corner Road	ERI at Book Corner Found	SPERS marks of Summit Assistan	Jamison Corner Road	Janison Comer Road	Jamisons Corner Road			Bernan Beulmani / Red Con Road
Type		Directional	Diamond		Partial Coverball	Damond	Diamond				Danuni
4 Loudon(h)			SNI North of Tell Plans		Jamison Corner Final	SELECTION OF THE Place	ERI North of Sel Plana	SPIT block of Tell Place			Perior Rosal
Type			Destand		Diamond	Directional	Orestonal				Damini
E Loudon(h)					ERI North of Tol Plana						UE 40
Type					Directional						Diamond (1 Loop)
E Lossier(n)											Old Ballimore Pile
Type											Damend
7 Lession(s)											146
Type											Semi-Circulanal
Distribution (m.)											
Nonior				6	7				4		
1 Levalor(s)		Middelson Barbara & Technology Park	Middeloum Backess & Technology Park	Surface Hill Ploani	Barbar Hill Pload	Banker Hill Final	Barber Hill Floor	Barber HE Sout	Levels Road	Stealory Law	Eurier Hil Finel
2 Loudon(s)		Barker Hill Forest	Burker HE Road	Solvenia IIII Finali	Bahamia Will Food	Enhanta Mil Road	Bahamia Will Food		Green Clark Final	Levels/Road	Bohamia Mil Road Mari Pil Road
3 Levalor(s)		Broad Dreet	Broad Etreel	24.000	Chil School House Road	Old School House Road	SPANS		Wages Mil Read	Owen Dark Road	Chil School House Road
4 Levator(s)		Mai Pi Road	Mari Pi Food	Jamisson Corner Road	Chardison Road	Ounbiese Food	Hyelis Corner Final	Hysila Corner Road	Norfals England Rabinal	Califord Corner Road	Chunhissan Road
E _{Location(s)}		Entering UE 201	Ountion final	25.000	Norlak Southern Fairmed	LIS 301 Local			Summit Shidge Finant	Nortols Southern Februari	Chanapasta and Delasora Canal
ELevator(s)		Norlah Southern Kalmani	DOM:	Distance Late Read	Falledge Total	Norbib Southern Kalmani			Money Road	Design Corner Flowel	Ownepoole City Road
7 Levalor(s)		EFAM	Norlah Engham Halmari		Hyeli's Corner Road	Ratinipa Road				Fairsel Spor	Denny Road / Hosel Exhaul Fload
ELevative(s)		Jaminon Corner Road	Ratinips Found			Hyeli's Corner Road				Survey Straige Flowel	Corporate Birel
B Lauration(s)		EFAM	Hyeli's Comer Road								Four Sources Pitop / Old Combes Bridge Four
Milesator(s)											

CULTURAL & ENVIRONMENTAL RESOURCES

- Lowest Wetland impacts 18.1 N / 16.6 S acres
- Mid-range Waters of the US impacts 11,608 N / 10,970 S LF
- Mid-range impacts to cultural resources based on efforts to date, but detailed evaluation is continuing to identify resources and assess potential effects

- Higher DNREC Tidal Wetland impacts 1.5 N & S acres
- Higher Floodplain impacts 2.5 N & S acres
- Highest Agricultural District impacts 28 N & S acres
- Low to mid-range Forestland impacts 32.9 N / 48.6 S acres

Comparison of the Range of Alternatives - Cultural & Natural Resources



PUBLIC COMMENTS ON BROWN ALTERNATIVE

Public comments received by the comment period ending July 22, 2005 (50 Retain / 161 Drop)

- Through traffic will not impact the local traffic
- Moves traffic away from downtown Middletown

- Negative impacts on existing communities
- Impact to Summit Airport would be too great
- Trucks and cars will tend to use SR 896 more traffic on Summit Bridge



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