ALTERNATIVE RETAINED FOR DETAILED EVALUATION - PURPLE + SPUR ALTERNATIVE



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301/ US 301 Project Development

DESCRIPTION OF THE PURPLE + SPUR ALTERNATIVE 4 LANES - LIMITED ACCESS -ALONG EXISTING BOYDS CORNER ROAD & ON NEW LOCATION

The Purple+Spur Alternative would be a four-lane, limited access tolled highway constructed on new location, generally north/south, from the Delaware/Maryland state line to north of Armstrong Comer Road, north of Middletown. The new alignment would continue northeast to SR 896 west of Jamison Corner Road and Cedar Lane Road, where the alignment would parallel existing Boyds Corner Road (SR 896) and tie into SR 1 just north of the SR 1/Boyds Corner Road interchange and south of the existing Biddles Corner Toll Plaza. A two-lane, limited access spur roadway would extend from north of Amstrong Corner Road to just south of the Summit Bridge, with a diamond interchange at the Spur/SR 15/SR 896.











MODIFICATIONS SINCE THE SEPTEMBER 2005 WORKSHOPS

or Provides a balanced traffic solution by optimizing the existing capacity of the C&D Canal bridges (Summit, SR 1 & St. George's) a Addresses the sharp ourve at the south end of the Summit Bridge, when runnerous accidents and fatalities have occurred g Minimizes total randway improvement costs required in the SR 86 and SR 1 contides, north of the Canal (2005-2000)

Refined US 301 connection to SR 1

Option 2: Diamond Interchange at Relocated Existing US 301

is to large wetland area (north of new US 301, south of Old Schoolhouse Road) spacing between Spuri interchange and new US 301 / Relocated Existing US 301 Middletown Bipstit Church ute for vehicles traveling west on Amstrong Corner/ Behemia Mill Roads goe of local traffic with new US 301 traffic on existing US 301, not on local road (Ar.

US 301 Alignment shifted south at existing US 301

Minor Refinements

Please visit Purple Alternative Work Table to review detailed drawings and ask questions

ENGINEERING - TRAFFIC & SAFETY CONSIDERATIONS

ENGINEERING / TRAFFIC

Advantages

AWINITIALIZED:

MId-number of properties impacted
Low impact on existing communities (within 600 feet)
Individual impact on existing communities (within 600 feet)
Improves safety by separating local from through traffic, including truck traffic
Significant reduction in traffic on existing US 301, Boyds Corner Road, Cedar Lane Road, Choptank Road and SR 299
Third highest volume using new US 301

Higher potential for traffic impacts during construction along existing Boyds Comer Road
 Proximity to new Appoquinimink High School (under construction) west of Middletown, Cedar Lane Element Middle School (under construction)

Not possible to lower new US 301 roadway profile along Boyds Comer Road, due to overpasses of Boyds Comer Road (2), realigned Shallcross Lake Road, US 13 and SR 1; therefore, difficult to mitigate indirect impacts (noise, visual, etc.) on

Overall width of SR 896 and new US 301 creates significant barrier

Comparison of the Retained Alternatives - Engineering

ı	ALTERNATIVE	No Build Alternative	YELLOW	PURPLE	with spuri interchange option 2	BROWN North	BROWN South	GREEN North	with spuri Interchange option 2	Death Death	with spuri interchange option 2
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						921	107	836	122	860	907
	under of Properties Impacing						102	123	132	122	130
	(mshananh)										
	2 Location(x)		North of Middelson	Armsburg Corner Hoad	Relocated US 301	District to have of Support Bridge	Supplied the Laure of Supplied Strike	Armstrong Corner Road	Reloated US 301	Arrestning Corner Road	Returned US 301
	2 Leaduriti							Jeroson Corner Road	Janoson Corner Road	Jameson Corner Road	Janton Coner Road
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	4 Loudony)		SKILDERSCOuplant Read	Extracratic Chapters.	SCASSISCOuplant Final	James on Corner Road	Janoson Corner Road	SRI North of Tod Place	SRI North of Sali Place	SRI North of Toll Place	SKI North of Sale PLANA
	Trave		Trumpet	Damind	Domond	Dament	Domond		Christianal		Directional
	S Location(s)					3901 North of Toll Place	SRI Neth of Sci Place	SR15/SRS96/Chopters Road	SKISSPERGOuplank Read		SR15/SPSHS/Choptant Road
	Type					Devolunal	Directional	Damond	Diamond	Damond	Diamond
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	12(12(2)(4)										
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	2 Loudon(s)		Technology Tark	Busher HE Road	Barber HE Hoad	Burker HE Knod	Burker HS Road	Burker Hill Road	Burker HE Road	Burker Hill Road	Surber HS Road
	3 Location(s)		Barker HE Road	Suberca MEArreburg Corner Road	Bohenca MEArrectung Corner Road	Butteria 185 Food	Eulenia MI Road	Sohenia SSE'Amsburg Corner Hoad	Subsects MSArresburg Corner Road	Buhanta MICK-mebung Corner Kood	Subersa MSAmulrung Corner Road
	4 Leader(s)		Stead Street	US 301 Level	Northith Southern Hallman	Clid Sulvard House Road	Chil Subout House Hoad	US 301 Local	Sorbsh Southern Habrani	US 301 Local	Sorbib Southern Halton
	S Leader(s)		Mat Pf Road	Sofull-Southern Kaltisad	27 896	Chunhtown Road	Churchisen Road	Nortch Southern Kalman	37086	Norlah Southern Kathuad	37096
	6 Leader(s)		Existing US 301	375 896	Janoson Conw Road	Sofids Southern Kathoo	Sofuli-Southern Halman	275316	Hyelis Corner Hoad	25536	Hyelis Corner Road
	7 Louise(s)		Nortolk-Southern Rabrasi	Jameson Corner Road	375 896	Ratinitys Hoad	Kalledge Road	Hyels Corner Road	Chil Schoolhouse Hoad	Hyels Corner Road	Chi Schoolhouse Food
	I Location(k)		370110	37K 896		Hyel's Coner Road	Myeti's Corner Road				Churchtown Road
	9 Loudonno		Jamoson Corner Road		Chil Euhochouse Hoad			Ourbless Read		Christian Rad	
	18 Location(s) 15 Location(s)		370116	Ctd Suboshouse Road							

CULTURAL & ENVIRONMENTAL RESOURCES

High Agricultural District impacts
 Potential noise and visual effects on Vandergrift property (Historic)
 High number of residential noise impacts

Advantages

Lowest weltand impacts
Lowest high quality wetlands impacts
Mid-range Waters of the US impacts
No DNREC Tidal Wetland impacts
Low floodplain impacts
Mid-range forestland impacts
Mid-range impact to Species Habitat Areas (wildlife & plaints)

Comparison of the Retained Alternatives - Cultural Resources



Comparison of the Retained Alternatives - Natural Resources



PUBLIC COMMENTS FROM SEPTEMBER WORKSHOP

(Purple Alternative DID NOT include Spur at that time)

Comments received as of October 17, 2005 - (331 Retain / 99 Drop)

Separates local from through traffic, helps truck traffic
 Uses existing roadway corridor (Boyds Corner Road)
 Strikes a good balance among the Issues

Less property and environmental impacts
A lower cost approach
Doesn't divide Middletown; keeps the town whole
Will do a good job of keeping traffic moving

Negative

Extremely wide roadway corridor (new US 301 & Boyds Corner Road)
 Impacts existing and new schools
 Will destry Choptank Road open space
 Too close to several existing developments
 Will require acquisition of the New Covenant Church
 This alternative will cause neglative impacts to an agricultural district
 Impact to four existing and four proposed communities

SUMMARY OF COMMENTS RECEIVED FROM THE PURILC AS DE OCTORER 17 2005

RETAINED ALTERNATIVES	YELLOW	PURPLE	BROWN	GREEN						
Support / Retain	123	331	120	594						
Oppose / Drop	259	99	259	139						