



Agenda

Opening Remarks

Carolann Wicks Secretary of Transportation

Introduction

Monroe Hite, III

Review of Key Issues

Monroe Hite, III

Overview of Alternatives

Project Team

Alternative-by-Alternative Discussion

Project Team

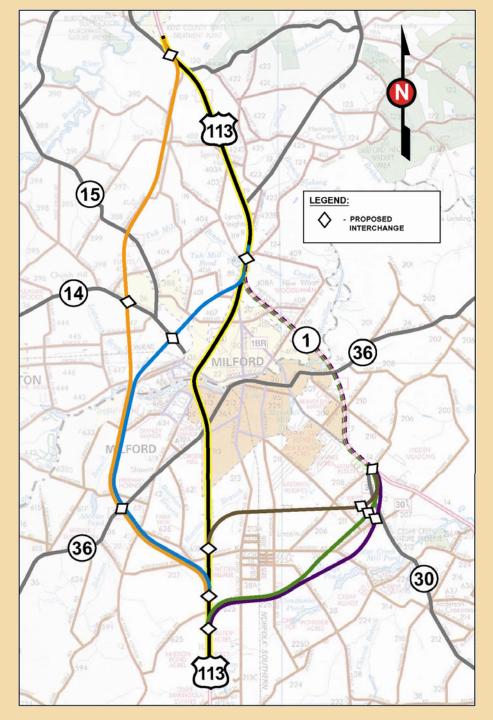
Agenda

Summary of Issues
Project Team

Agency Comments on Alternatives
Project Team

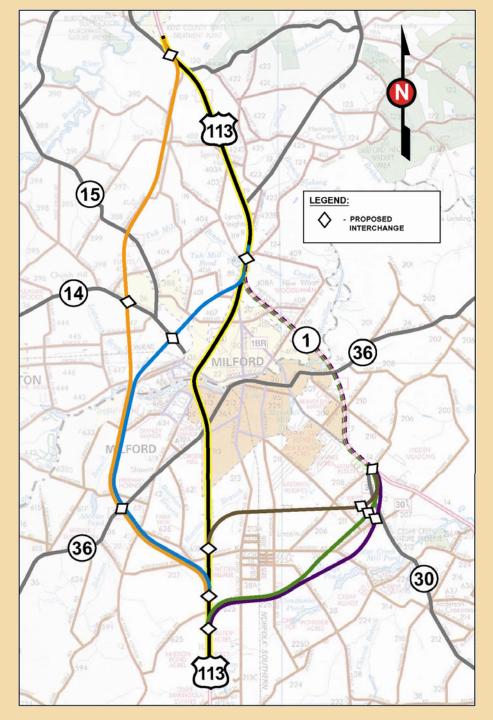
Schedule Monroe Hite, III

Next Steps
Monroe Hite, III



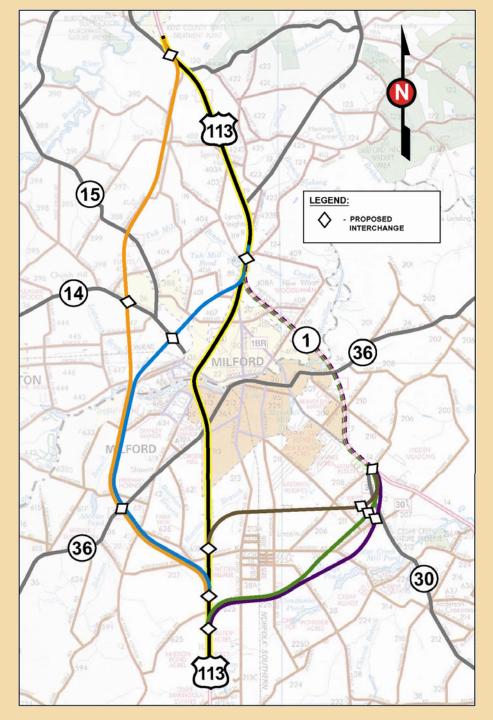
Milford Area Alternatives Key Issues

- Wetlands
- Cultural Resources
- Rare, Threatened and Endangered Species
- Traffic
- Socio-Economic Impacts
- Natural Areas
- Cost



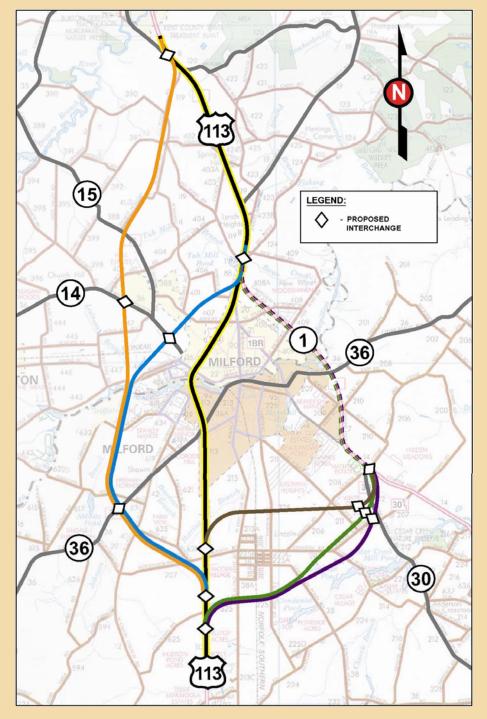
Milford Area Alternatives Wetlands

- The natural resource agencies have analyzed the retained alternatives.
 - U.S. Army Corps of Engineers
 - Environmental Protection Agency
 - U.S. Fish and Wildlife Service
 - Department of Natural Resources and Environmental Control
- Several field visits have been conducted with the agencies to review critical issues.
- These agencies now have a full understanding of the wetland issues, including habitat quality, associated with each alternative.



Milford Area Alternatives Cultural Resources

The Delaware State Historic Preservation Office (SHPO), working closely with the project team, has agreed on the eligibility of most architectural properties for the National Register of Historic Places. A few outstanding issues are currently being resolved.



Milford Area Alternatives RTEs

- The project team coordinated with the U.S. Fish and Wildlife Service and DNREC regarding Federal species of concern.
- Extensive studies were conducted to determine potential impacts to Swamp Pink, a Federally-listed species.
 - No direct impacts were found.
 - Exceptional habitat was found in the Johnson Branch area.
- A new bald eagle nest was discovered by DNREC in fall 2006 within about 500 feet of the Orange alternative.

Milford Area Alternatives Traffic

- During 2006, DelDOT completely updated its travel demand model
 - Population and employment
 - External volumes
 - 2005 calibration
 - Mode choice model (DTC)
 - New toll model (I-95, SR 1, US 301)

Milford Area Alternatives Traffic

		2030 Traffic Volumes							
Alternative	Eviation IIC 112	Bypass							
	Existing US 113	New roadway	SR 1 segment						
Base	19,000	N/A	N/A						
No-build	45,000	N/A	N/A						
Yellow	67,000	N/A	N/A						
Orange	15,000	51,500	N/A						
Blue	15,500	37,500	N/A						
Green	17,000	38,000	65,500						
Purple	17,000	38,000	65,500						
Brown	22,000	39,000	64,500						

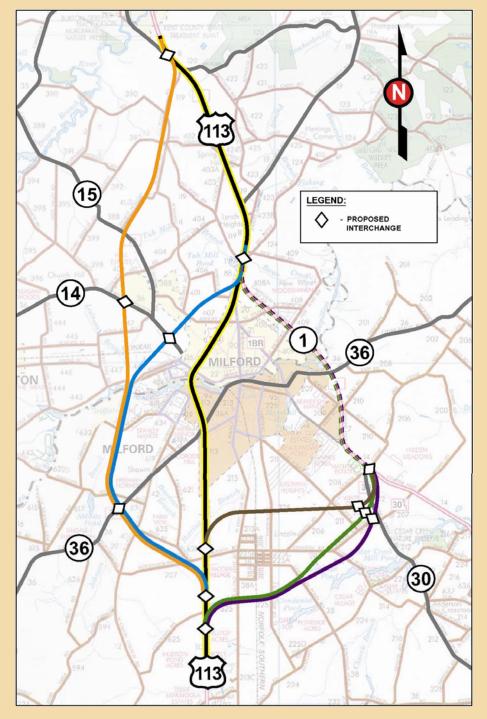
- All alternatives meet purpose and need
- Traffic-dependent impacts (noise, air quality, economic, etc.) are being determined

Milford Area Alternatives Socio-Economic Impacts

- This category includes impacts to both businesses and properties.
- Property impacts have been updated in the matrix.
- The revised traffic forecasts have been completed, and updated business impacts are being recalculated.
- Impacts to agriculture have been determined.

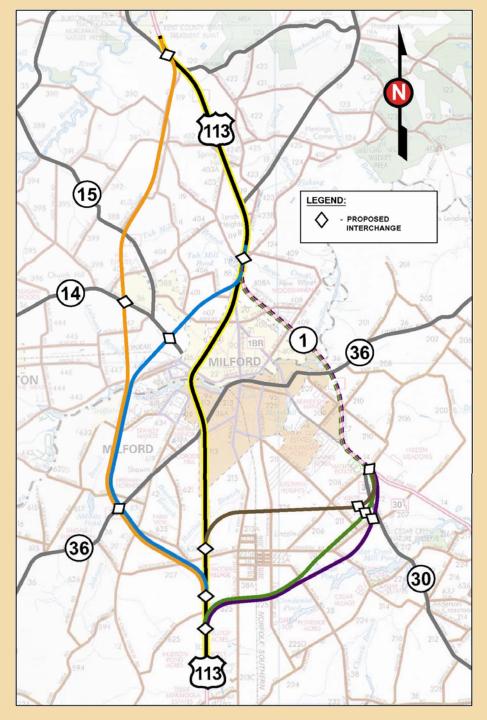
Milford Area Alternatives Agricultural Economic Impacts

Alternative	Impact Area (Acres)	Crop Sales (Annual)	Total Sales (Annual)	Jobs
Yellow	69	\$14,000 – 31,000	\$20,000 – 45,000	0 – 1
Orange	524	\$109,000 – 239,000	\$155,000 – 341,000	2 – 4
Blue	215	\$45,000 – 98,000	\$64,000 – 140,000	1 – 2
Green	216	\$45,000 – 98,000	\$64,000 – 140,000	1 – 2
Purple	236	\$49,000 – 108,000	\$70,000 – 154,000	1 – 2
Brown	215	\$45,000 – 98,000	\$64,000 – 140,000	1 – 2



Milford Area Alternatives Natural Areas

- DNREC approved new State Resource Area and Natural Area maps in fall 2006.
- These data were provided to the project team by DNREC immediately upon approval and have been incorporated into the mapping.
- These impacts are included in the current impact matrix.
 - The only significant impacts are on the Orange and Blue alternatives at Griffith Lake and Johnson Branch.



The following costs include construction, right of way, and other incidentals in today's dollars:

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• Yellow: $418 – 512 million
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• Orange: \$420 – 513 million

• Blue: \$324 – 395 million

• Green: \$299 – 365 million

• Purple: \$337 – 411 million

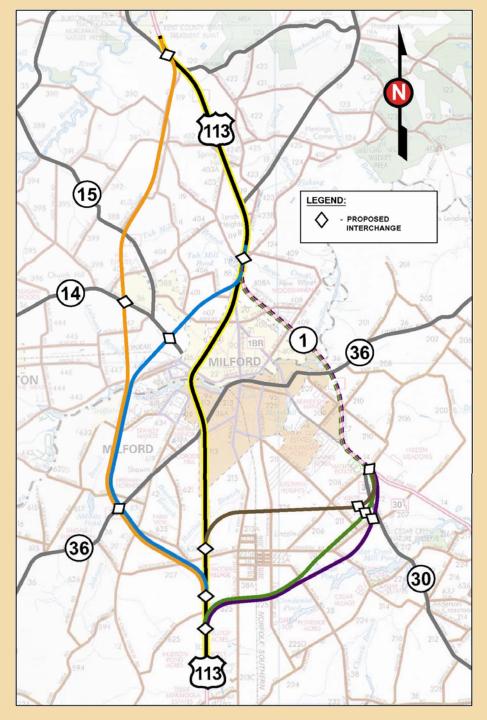
• Brown: \$339 – 415 million

Milford Area Alternatives Overview

- In consideration of June 2006 public workshop input, agency comments, and additional information gathered regarding these key issues, the alternatives were refined as follows:
 - Orange and Blue: considered (and rejected) alternative crossings of Griffith Lake and Johnson Branch to minimize natural resource impacts

Milford Area Alternatives Overview

- Orange: adjusted in the Church Hill Road vicinity to avoid a historic farm
- Blue: adjusted to avoid historic property at northwest corner of US 113 and Warner Road
- Purple: shifted alignment south to reduce residential and resource impacts near Logans Run
- Brown: evaluated several options (to be discussed in detail)



ALTERNATIVE-BY-ALTERNATIVE DISCUSSION

Milford Area Alternatives — Matrix

		122/2015	10 01 <u>0</u> 1100000	To 2000 11	420000	140000	12440000
	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
Waters of the US (linear feet)	0	689	1,149	1,262	521	346	1,050
Historia Resources	0	11	6	7	0	2	3
Number of Historic Properties within Study Area 1	0	7		0	o o	0	0
Number of Properties Potentially Subject to Section 4(f) * Number of Cemeteries *	0	4	0		1	0	
Archeological Resources						- 1	*
Number of Known Archeological Sites in the Limit of Disturbance ⁴	0	1	1	1	0	0	0
Predictive Model: Prehistoric Sensitivity in the Limit of Disturbance ²			<u> </u>				
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.1%)	3 (1.0%)	8 (2.0%)
Moderate Senstivity Area (acres / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14,6%)
Low Sensitivity Area (acres / %)	0	54 (14.3%)	144 (21.2%)	12.4 (24.8%)	38 (9.7%)	46 (12.0%)	66 (17.4%)
Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (83.7%)	310 (81.1%)	2 50 (86 .0%)
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Low Sensitivity Area (acres / %)	0	<1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Slight Sensitivity Area (acres / %)	0	365 (97.2%)	639 (94.2%)	453 (90.7%)	380 (96.0%)	368 (96.5%)	362 (95.3%)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance		***************************************	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		48.42		
Extant Sites (number / %) *	0	39 (18.5%)	34 (34.3%)	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
High Sensitivity Sites (number / %)		152 (72.0%)	42 (42.4%)	48 (49.5%)	30 (4 9.2%)	33 (50.0%)	42 (57.5%)
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Section 4(f) Properties	0	0	-	0	0	0	0
Number of Publicly-Owned Parks and Recreation Areas Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	i i	0	0	0
Number of Historic Properties ¹	0	7	0	0	0	0	
Section 8(f) Properties			-	1 1 1	-		
Properties pur thased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (ages)	0	0	0	0	0	0	0
Properties purchaised by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (acres)	0	1	0	0.	0	0	0
Natrual Areas							
State Resource Areas	0	1	33	36	1	1	1
Natural Areas	0	4	29	30	(3.	§ 1	1
Rare, Threatened and Endangered Species	9		8	N (amazana a a a a a a a a a a a a a a a a a		3	
Potential Rare, Threatened and Endangered Species Areas (acres) ⁹	0	1	9	11	1	1	4
Other Considerations							
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	1	.1	0
(acres within properties)	0	0	39	11	0	0	0
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	33	12+/-
Forestland: 2002 Land Use (acres)	0	17 0	79	79	19	18	13 - 53
State Forest Lands			0		0	0	0
Property Impacts Properties affected Journhess of	0	342	291	258	194	146	127
Properties affected (numbers of) Properties affected (note exper)	0					•••••••••••••••••••••••••••••••••••••••	
Properties affected (total acres) Appless Rights		272	664	409	382	370	419
Acquisitions (numbers of affected properties)	0	65	7	17	67	40	35
Residential: total (existing residences/approved lots)	0	29 (29/0)	52 (51/1)	59 (5 8/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural	0	20	5	5	10	10	11
Commercial	0	45		11	3	3	2
Other	0	0	1	1	0	0	0
Modified Access (numbers of affected properties)	0	57	5	0	31	27	30
Residential	0	21	3	0	25	21	22
Agricultural	0	8	2	2	4	4	5
Commercial	0	58	0	4	2	2	3
Other	. 0	2	1	0	0	0	0
Cost							
Preliminary anticipated cost range (5 millions)	0	5418 - \$512	\$420 - \$513	\$324 - \$ 395	\$299 - \$365	\$337 - \$411	\$339 - \$415
Livable Delaware							
Consistency with State Strategies and local comprehensive plans ¹⁰	N/A	VERY POOR	FAIR	POOR	GOOD	9000	G00D ¹⁰
Engineering			2				
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-alignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.6	4.0
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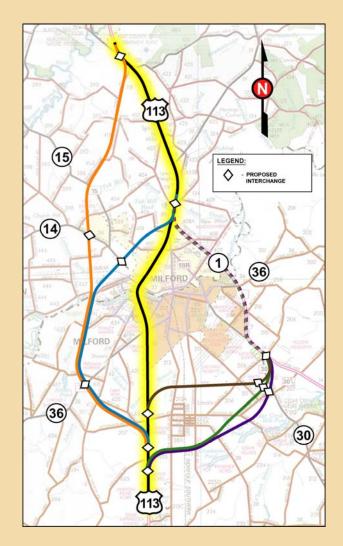
Milford Area Alternatives Yellow (On-Alignment)

Natural/Cultural Resources

- Advantages
 - Low wetland impacts
 - Lowest forest impacts
 - Fewest agricultural districts and easements impacted
 - Low natural area and State Resource Area impacts

Disadvantages

- Direct impacts on historic architectural resources Section 4(f) fatal flaw for Federal funding
- Potential 6(f) impact BMX park
- Greatest potential indirect impacts on historic architectural resources



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Number of Historic Properties within Study Area 1	0	7		0	o o	0	0
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Milford Area Alternatives Yellow (On-Alignment)

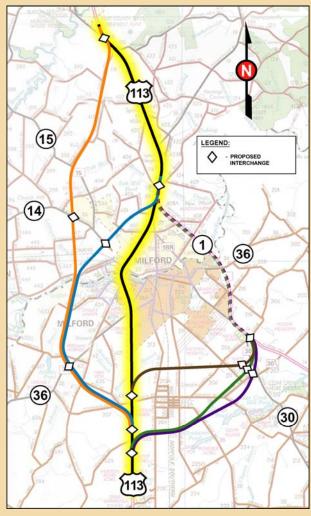
Engineering/Traffic/Safety/ Community

Advantages

- Shortest overall length
- Takes advantage of existing right of way

Disadvantages

- High cost alternative
- Greatest impact on traffic during construction
- Greatest number of properties impacted
- Greatest disruption to existing businesses
- Inconsistent with Livable Delaware

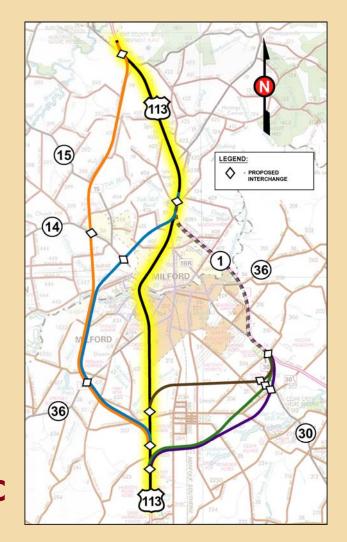


Milford Area Alternatives — Matrix

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	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
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Number of Cemeteries ⁹	0	1.	0	0	1	0	0
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Section 4(f) Properties	0	0	0	0	0	0	0
Number of Publiciy-Owned Parks and Recreation Areas Number of Publiciy-Owned Wildlife and Watertowl Refuges	0	0	0	ŏ	ŏ	0	0
Number of Historic Properties	0	7	0	0	0	0	0
Section 6(f) Properties	1		1 0		-		
Properties pur thased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (acres)	0	0	0	0	0	0	0
Properties pur chased by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (acres)	(O)	1	0	0	0	0	0
Natrual Areas							
State Resource Areas	0	1	33	36	1	1	1
Natural Areas	0	1	29	30		1	1
Rare, Threatened and Endangered Species	0	4	9		4	4	4
Potential Rarle, Threatened and Endangered Species Areas (acres).* Other Considerations	U	1	3	- 11	1	1	
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4	4	0
(acres within properties)	0	0	39	11	Ö	0	0
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
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Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							
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Appess Rights	0	6 5	-	+7	67	40	35
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Other	0	0	1	1	0	0	0
Modified Access (numbers of affected properties)	0	87		đ	31	27	30
Residential	0	21	3	0	25	21	22
Agricultural	0	8	2	2	4	4	5
Commer dail	0	58	0	4	2	2	3
Other	. 0	2	<u> </u>	0	0	0	0
Cost							
Preliminary anticipated cost range (\$ millions)	0	\$418 - \$512	\$420 - \$513	\$324 - \$395	\$299 - \$365	\$337 - \$411	\$339 - \$415
L Ivab le Delaware		VERY BOOK	545	5005			
Consistency with State Strategles and local comprehensive plans ** Engineering	N/A	VERY POOR	FAIR	POOR	GOOD	9000	900010
Engineering Existing US 113/SB 1 known (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Existing US 113/SR 1 length (miles) Proposed US 113 off-alignment length (miles)	0.0	0.0	10.8	7.2	9.9 4.6	4.6	4.0

Milford Area Alternatives Yellow (On-Alignment)

- Public Comments to Date
 - Opposition voiced by City of Milford, emergency service providers, some Working Group members, and many members of the public



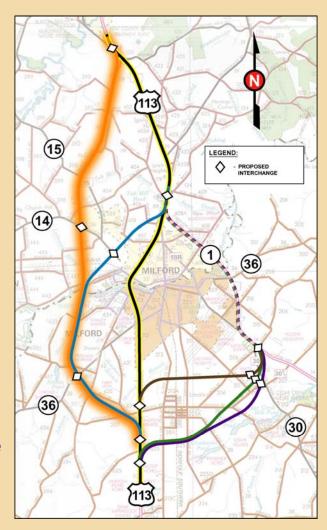
Milford Area Alternatives — Matrix

Section Continue			0.00	1 20000	To	4000	2000	
Marting protects 0	1000 00 2	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
Section Column								
Sealer Se								
Munice of Proposed Services S		0	689	1,149	1,262	521	346	1,050
Monte of Enterior Services (Automatic Services)			44		7			
Montage Section Sect								
Anter the prince of the prince								
Number of Communications (1985) 1985 1					The state of the s		- 1	×
Personal foliage fragments of programmes		0	1	1	1	0	0	0
Separation Area Separation Company Compa								
Section Continue	High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.196)	3 (1.0%)	8 (2.0%)
Description for the location (%) 0 \$4 (1/47%) \$44 (1/47%) \$25 (1/47%) \$30 (1/47%) \$25		0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14,6%)
Parson to total Basil Haros Calemania, The Lamb of Parsonages*		0	54 (14.396)	144 (21.2%)	124 (24.8%)	38 (9.7%)	46 (12.0%)	66 (17.4%)
September Sept	Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8 3.7%)	310 (81.1%)	2.50 (66.0%)
September Sept	Predictive Model: Early Historic Sensitivity in the Limit of Disturbance *							
Description / New Section Description	High Senstivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Burgins (Ann. Ann. Excess (s) 30 361 (97%) 351 (97%) 351 (97%) 351 (97%) 320 (98%) 320 33 (98%)	Moderate Senstivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
### Property all Control Sear Of Lance (1975) 15 (27 Am) 15 (27 Am								
Best Description Properties		(0)	385 (97.2%)	639 (94.2%)	453 (90.7%)	380 (96.0%)	368 (96.5%)	362 (95.3%)
Monte of Participant Was interest (%)						Jane 2		
Bosen Entrology State Immore (%)								
Descripting District Number (%) 15 (16 %) 15 (16 %) 15 (16 %) 16 (16								
Season of Prisoner Paris and Recreation Areas 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
Number of Papility Control River and Risk research Areas Number of Papility Control River and Risk research Areas Number of Papility Control River and River			1+ (0.0%)	12 (12.270)	10 (10.010)	3 (14.0%)	13 (19.7%)	11 (15.1%)
Number of Plancing Contract Visitation Interluges 0 0 0 0 0 0 0 0 0								
Number of Highers Properties 0 7 0 0 0 0 0 0 0 0	Number of Publicly Cursed Wildlife and Waterburi Refuser							
SeaShor Right Properties December 19 December 20 D								
Processes of the same of Average of Control (AVEP) (number) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		7 - 44-11			4			
Area discress for the first Fund (DTF) (number) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	0	0	0	0
Propending surface of by Delense # Trust Fund (0TP) (number)		0	0	0	0	0	0	
Area Greacy		0						
State Resource Areas 0 1 29 30 1 1 1 1 1 1 1 1 1		0	1	0	0.	0	0	0
Natural Avess Series Free fine decided and Endangered Spaces Aves (pares 4 0 1 9 11 1 1 4 4 4 4 4 4	Natrual Areas							
Ref. Threatened and Endingered Species	State Resource Areas	0	1	33	36	1	1	1
Protection Proceedings Process	Natural Areas	0	4	29	30	(1)	S(1)	1
Other Cost Microst Long Agriculture of properties O	Rare, Threatened and Endangered Species							
Agriculture Data tots (frem Year) (number of properties) 0 0 0 39 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	1	9	11	and a second for a second	1	4
(acces within properties)								
Agricultural Preservation Easements (Permanents) in uniform of properties) (a) 3 3 3 3 4 5 5 3+++ (b) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a						1	1	
Government Comment C								
State Forest Lands								
State Forest Lands								
Properties affected (botal sores)								
Properties affected (numbers of)						-		
Properties effected (losal sories) 0 272 684 409 332 570 419 Assess rights Acquisitions for unbes of effected properties) 0 58 7 17 57 40 38 Residences (losal sories) 0 29 (29/0) 52 (51/1) 59 (58/1) 48 (52/16) 20 (50/0) Agrounded 0 50 5 5 10 10 10 11 0 0mer call 0 0 45 1 1 11 3 3 3 2 0 other 0 0 0 1 1 1 0 0 0 0 Modified Access (numbers of effected properties) 0 0 0 1 1 1 0 0 0 0 Modified Access (numbers of effected properties) 0 0 57 5 6 6 6 37 27 30 Residences Agricultural 0 0 5 2 2 2 4 4 4 5 0 other 0 0 5 5 0 0 4 5 5 0 0 Other 0 0 5 5 0 0 4 5 5 0 0 Other 0 0 5 5 0 0 4 5 5 0 0 Preliminary anticipated cost range (6 millions) 0 \$416 - 6512 \$420 - 5513 \$324 - 5355 \$239 - 5355 \$337 - 8411 \$339 - 5415 \$1400 \$1513 of the plant range (miles) 0 \$12 17 54 95 95 11.1			340	591	25.5	194	145	127
Assess Rights Acquisitors frumbers of efficiency properties O							•••••••••••••••••••••••••••••••••••••••	
Acquisitions (numbers of effected properties)		1.7						17.15
Residential total (existing residences approved loss)		0	5 5	7	17	57	40	35
Agricultural 0		0		52 (51/1)	59 (58/1)			
Commercial								
Modified Access (numbers of affected properties)		0	45	<u>1</u>	11	3	-3	2
Respective 0	Other	0	0	1	1	0	0	0
Agricultural 0 5 2 2 2 4 4 4 5 Commercial 0 56 0 4 2 2 2 3 3 Other 0 0 2 1 0 0 0 0 0 Cost Preliminary anticipated cost range (5 millions) 0 5418 - 5512 5420 - 5513 5324 - 5395 529 - 5365 5337 - 5411 5339 - 5415 Livebin Delaware Consistency with State Strategies and local comprehensive plans 5 N/A VERY POOR FAIR POOR GOOD GOOD GOOD Englineering Existing US 113/SR1 engin (miles) 12.2 12.2 1.7 5.4 9.9 5.9 11.1 Proposed US 113 SR1 engin (miles) 0.0 0.0 10.8 7.2 4.5 4.6 4.0	Modified Access (numbers of affected properties)	0	57	5	6	31	27	30
Commercial Com	Residential	0	21	3	0	25	21	22
Other 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0		2	2	4	4	5
Preliminary anticipated cost range (5 millions)								
Preliminary amilicipated cost range (8 millions)		0	2	S. minimum of contrast of the	0	0	0	0
Lineable Delaware Operation N/A VERY POOR FAIR POOR GOOD GOOD <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>								
Consistency with State Strategies and local comprehensive plans ⁹ N/A VERY FOOR FAIR FOOR 9000 6000 6000 Engineering Existing US 113/BR1 length (miles) 12.2 12.2 1.7 6.4 9.9 9.9 11.1 Proposed US 113 offs (ginnem triength (miles) 0.0 0.0 10.8 7.2 4.6 4.6 4.0		0	5418 - \$512	\$420 - \$513	\$324 - \$395	\$299 - \$365	\$337 - \$411	\$339 - \$415
Engineering Examp US 113ER1 engin (miles) 12.2 1.7 1.7 1.0 1.9 1.0 1.0 1.0 1.0 1.0 1.0								
Existing US 113/ER1 ength (miles) 12.2 12.2 1.7 6.4 9.9 9.9 11.1 Proposed US 113 offed (ynmers) 0.0 0.0 10.8 7.2 4.6 4.6 4.6 4.0		N/A	VERY POOR	FAIR	POOR	GOOD	G00D	GOOD "
Proposed US 113 offellignment length (miles) 0.0 0.0 10.8 7.2 4.6 4.5 4.0		46.5	4			0.0	5.5	46.2
1018 ED 001 01 11 11 11 11 11 11 11 11 11 11 11	Proposed US 113 of alignment length (miles) Total length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

Milford Area Alternatives Orange (West Bypass)

Natural/Cultural Resources

- Advantages
 - No direct impacts on historic architectural resources
- Disadvantages
 - Potential direct impact to Federallylisted RTE: new bald eagle nest
 - High potential RTE impacts: swamp pink habitat
 - High wetland impacts
 - High Waters of the US impacts
 - High agricultural impacts
 - Highest forest land impacts (with Blue)
 - Among greatest natural area and State Resource Area impacts
 - Potential indirect effect on seven historic architectural resources

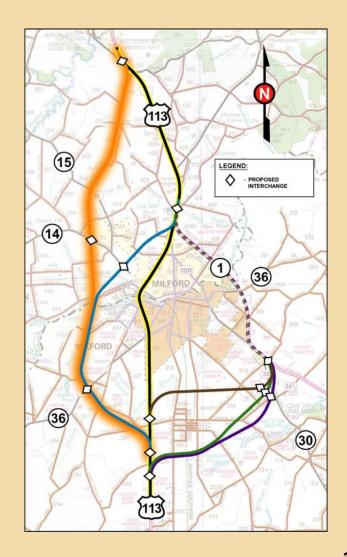


Milford Area Alternatives — Matrix

Section Continue			0.00	1 20000	To	4000	2000	
Marting protects 0	1000 00 2	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
Section Column								
Sealer Se								
Munice of Proposed Services S		0	689	1,149	1,262	521	346	1,050
Monte of Enterior Services (Automatic Services)			44		7			
Montage Section Sect								
Anter the prince of the prince								
Number of Communications (1985) 1985 1					The state of the s		- 1	×
Personal foliage fragments of programmes		0	1	1	1	0	0	0
Separation Area Separation Company Compa								
Section Continue	High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.196)	3 (1.0%)	8 (2.0%)
Description for the location (%) 0 \$4 (1/47%) \$44 (1/47%) \$25 (1/47%) \$30 (1/47%) \$25		0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14,6%)
Parson to total Basil Haros Calemania, The Lamb of Parsonages*		0	54 (14.396)	144 (21.2%)	124 (24.8%)	38 (9.7%)	46 (12.0%)	66 (17.4%)
September Sept	Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8 3.7%)	310 (81.1%)	2.50 (66.0%)
September Sept	Predictive Model: Early Historic Sensitivity in the Limit of Disturbance *							
Description / New Section Description	High Senstivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Burgins (Ann. Ann. Excess (s) 30 361 (97%) 351 (97%) 351 (97%) 351 (97%) 320 (98%) 320 33 (98%)	Moderate Senstivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
### Property all Control Sear Of Lance (1975) 15 (27 Am) 15 (27 Am								
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Monte of Participant Was interest (%)						Jane 2		
Bosen Entrology State Immore (%)								
Descripting District Number (%) 15 (16 %) 15 (16 %) 15 (16 %) 16 (16								
Season of Prisoner Paris and Recreation Areas 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0								
Number of Papility Control River and Risk research Areas Number of Papility Control River and Risk research Areas Number of Papility Control River and River			1+ (0.0%)	12 (12.270)	10 (10.010)	3 (14.0%)	13 (19.7%)	11 (15.1%)
Number of Plancing Contract Visitation Interluges 0 0 0 0 0 0 0 0 0								
Number of Highers Properties 0 7 0 0 0 0 0 0 0 0	Number of Publicly Cursed Wildife and Waterburi Petures							
SeaShor Right Properties December 19 December 20 D								
Processes of the same of Average of Control (AVEP) (number) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		7 - 44-11			4			
Area discress for the first Fund (DTF) (number) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	0	0	0	0
Propending surface of by Delense # Trust Fund (0TP) (number)		0	0	0	0	0	0	
Area Greacy		0						
State Resource Areas 0 1 29 30 1 1 1 1 1 1 1 1 1		0	1	0	0	0	0	0
Natural Avess Series Free fine decided and Endangered Spaces Aves (pares 4 0 1 9 11 1 1 4 4 4 4 4 4	Natrual Areas							
Ref. Threatened and Endingered Species	State Resource Areas	0	1	33	36	1	1	1
Protection Proceedings Process	Natural Areas	0	4	29	30	(1)	S(1)	1
Other Cost Microst Long Agriculture of properties O	Rare, Threatened and Endangered Species							
Agriculture Data tots (frem Year) (number of properties) 0 0 0 39 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	1	9	11	and a second for a second	1	4
(acces within properties)								
Agricultural Preservation Easements (Permanents) in uniform of properties) (a) 3 3 3 3 4 5 5 3+++ (b) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a						1	1	
Government Comment C								
State Forest Lands								
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Properties affected (botal sores)								
Properties affected (numbers of)						-		
Properties effected (losal sories) 0 272 684 409 332 570 419 Assess rights Acquisitions for unbes of effected properties) 0 58 7 17 57 40 38 Residences (losal sories) 0 29 (29/0) 52 (51/1) 59 (58/1) 48 (52/16) 20 (50/0) Agrounded 0 50 5 5 10 10 10 11 0 0mer call 0 0 45 1 1 11 3 3 3 2 0 other 0 0 0 1 1 1 0 0 0 0 Modified Access (numbers of effected properties) 0 0 0 1 1 1 0 0 0 0 Modified Access (numbers of effected properties) 0 0 57 5 6 6 6 37 27 30 Residences Agricultural 0 0 5 2 2 2 4 4 4 5 0 other 0 0 5 5 0 0 4 5 5 0 0 Other 0 0 5 5 0 0 4 5 5 0 0 Other 0 0 5 5 0 0 4 5 5 0 0 Preliminary anticipated cost range (6 millions) 0 \$416 - 6512 \$420 - 5513 \$324 - 5355 \$239 - 5355 \$337 - 8411 \$339 - 5415 \$1400 \$1513 of the plant range (miles) 0 \$12 17 54 95 95 11.1			340	591	25.5	194	145	127
Assess Rights Acquisitors frumbers of efficiency properties O							•••••••••••••••••••••••••••••••••••••••	
Acquisitions (numbers of effected properties)		1.7						17.15
Residential total (existing residences approved loss)		0	5 5	7	17	57	40	35
Agricultural 0		0		52 (51/1)	59 (58/1)			
Commercial								
Modified Access (numbers of affected properties)		0	45	<u>1</u>	11	3	-3	2
Respective 0	Other	0	0	1	1	0	0	0
Agricultural 0 5 2 2 2 4 4 4 5 Commercial 0 56 0 4 2 2 2 3 3 Other 0 0 2 1 0 0 0 0 0 Cost Preliminary anticipated cost range (5 millions) 0 5418 - 5512 5420 - 5513 5324 - 5395 529 - 5365 5337 - 5411 5339 - 5415 Livebin Delaware Consistency with State Strategies and local comprehensive plans 5 N/A VERY POOR FAIR POOR GOOD GOOD GOOD Englineering Existing US 113/SR1 engin (miles) 12.2 12.2 1.7 5.4 9.9 5.9 11.1 Proposed US 113 SR1 engin (miles) 0.0 0.0 10.8 7.2 4.5 4.6 4.0	Modified Access (numbers of affected properties)	0	57	5	6	31	27	30
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Other 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0		2	2	4	4	5
Preliminary anticipated cost range (5 millions)								
Preliminary amilicipated cost range (8 millions)		0	2	S. minimum of contrast of the	0	0	0	0
Lineable Delaware Operation N/A VERY POOR FAIR POOR GOOD GOOD <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>								
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Proposed US 113 offellignment length (miles) 0.0 0.0 10.8 7.2 4.6 4.5 4.0		46.5	4			0.0	5.5	46.2
1018 ED 001 01 11 11 11 11 11 11 11 11 11 11 11	Proposed US 113 of alignment length (miles) Total length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

Milford Area Alternatives Orange (West Bypass)

- Engineering/Traffic/Safety/ Community
 - Advantages
 - Short overall length
 - Highest traffic benefits
 - Disadvantages
 - High number of property impacts
 - Highest property impacts (acres)
 - Fair consistency with Livable
 Delaware
 - High cost alternative
 - Greatest length of new construction

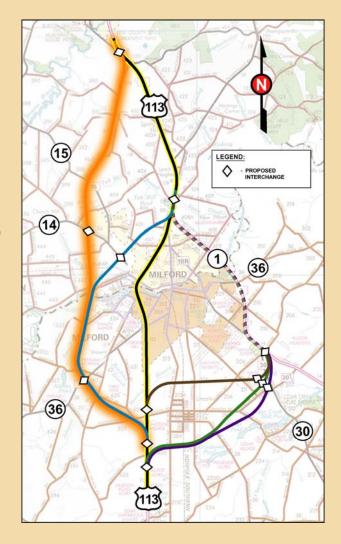


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Processes of the same of Average of Control (AVEP) (number) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		7 - 44-11			4			
Area discress for the first Fund (DTF) (number) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0	0	0	0	0	0	0
Propending surface of by Delense # Trust Fund (0TP) (number)		0	0	0	0	0	0	
Area Greacy		0						
State Resource Areas 0 1 29 30 1 1 1 1 1 1 1 1 1		0	1	0	0	0	0	0
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(acces within properties)								
Agricultural Preservation Easements (Permanents) in uniform of properties) (a) 3 3 3 3 4 5 5 3+++ (b) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a						1	1	
Government Comment C								
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Assess Rights Acquisitors frumbers of efficiency properties O							•••••••••••••••••••••••••••••••••••••••	
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Agricultural 0		0		52 (51/1)	59 (58/1)			
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Modified Access (numbers of affected properties)		0	45	<u>1</u>	11	3	-3	2
Respective 0	Other	0	0	1	1	0	0	0
Agricultural 0 5 2 2 2 4 4 4 5 Commercial 0 56 0 4 2 2 2 3 3 Other 0 0 2 1 0 0 0 0 0 Cost Preliminary anticipated cost range (5 millions) 0 5418 - 5512 5420 - 5513 5324 - 5395 529 - 5365 5337 - 5411 5339 - 5415 Livebin Delaware Consistency with State Strategies and local comprehensive plans 5 N/A VERY POOR FAIR POOR GOOD GOOD GOOD Englineering Existing US 113/SR1 engin (miles) 12.2 12.2 1.7 5.4 9.9 5.9 11.1 Proposed US 113 SR1 engin (miles) 0.0 0.0 10.8 7.2 4.5 4.6 4.0	Modified Access (numbers of affected properties)	0	57	5	6	31	27	30
Commercial Com	Residential	0	21	3	0	25	21	22
Other 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0		2	2	4	4	5
Preliminary anticipated cost range (5 millions)								
Preliminary amilicipated cost range (8 millions)		0	2	S. minimum of contrast of the	0	0	0	0
Lineable Delaware Operation N/A VERY POOR FAIR POOR GOOD GOOD <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>								
Consistency with State Strategies and local comprehensive plans ⁹ N/A VERY FOOR FAIR FOOR 9000 6000 6000 Engineering Existing US 113/BR1 length (miles) 12.2 12.2 1.7 6.4 9.9 9.9 11.1 Proposed US 113 offs (ginnem triength (miles) 0.0 0.0 10.8 7.2 4.6 4.6 4.0		0	5418 - \$512	\$420 - \$513	\$324 - \$395	\$299 - \$365	\$337 - \$411	\$339 - \$415
Engineering Examp US 113ER1 engin (miles) 12.2 1.7 1.7 1.0 1.9 1.0 1.0 1.0 1.0 1.0 1.0								
Existing US 113/ER1 ength (miles) 12.2 12.2 1.7 6.4 9.9 9.9 11.1 Proposed US 113 offed (ynmers) 0.0 0.0 10.8 7.2 4.6 4.6 4.6 4.0		N/A	VERY POOR	FAIR	POOR	GOOD	G00D	GOOD "
Proposed US 113 offellignment length (miles) 0.0 0.0 10.8 7.2 4.6 4.5 4.0		46.5	4			0.0	5.5	46.2
1018 ED 001 01 11 11 11 11 11 11 11 11 11 11 11	Proposed US 113 of alignment length (miles) Total length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

Milford Area Alternatives Orange (West Bypass)

- Public Comments to Date
 - Little support to date by the Working Group and the public

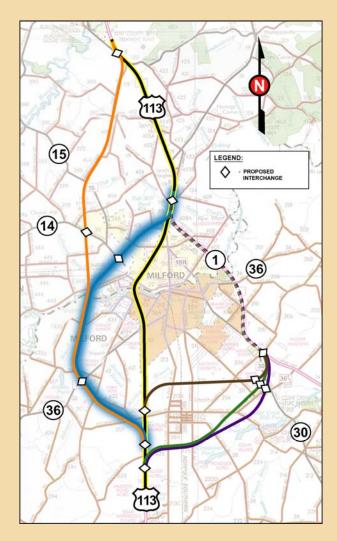


			2000	-	40000		2000
mark and arrayant waste samp	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
Netlands and Waters of the U.S.							
Wetlands (acres)	0	1.4	8,5	10.6	1.0	1.4	4.1
Waters of the US (linear feet)	0	689	1,149	1,282	521	346	1,050
Historia Resources	0	11	6	7	0	2	3
Number of Historic Properties within Study Area 1 Number of Properties Potentials, Subject to Section 4/5 2	0	7	0	0	Ŏ	ō	<u>-</u>
Number of Properties Potentially Subject to Section 4(f) * Number of Cemeteries *	0	4		0	1	Ö	
Archeo log loai Re sou roes					-		-
Number of Known Archeological Sites in the Limit of Disturbance 4	0	1	1	1	0	0	0
Predictive Model: Prehistoric Sensitivity in the Limit of Disturbance ²							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.1%)	3 (1.0%)	8 (2.0%)
Moderate Sensitivity Area (acres / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14,6%)
Low Sensitivity Area (acres / %)	0	54 (14.3%)	144 (21.2%)	124 (24.8%)	38 (9.7%)	46 (12.0%)	66 (17,4%)
Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8.3.7%)	310 (81.1%)	2 50 (66 .0%)
Predictive Model: Early Historic Sensitivity in the Limit of Disturbance *							
High Senstivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Moderate Sensitivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
Low Sensitivity Area (acres / %)	0	<1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Slight Sensitivity Area (acres / %)	0	365 (97.2%)	639 (94.2%)	453 (90.7%)	380 (96.0%)	368 (96.5%)	362 (95.3%)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance	0	39 (18.5%)	54/54 56/5	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
Extant Sites (number / %) * High Sensitivity Sites (number / %)	0	39 (18.5%) 152 (72.0%)	34 (34.3%) 42 (42.4%)	26 (26.8%) 48 (49.5%)	19 (3 1.1%) 30 (4 9.2%)	17 (25.8%) 33 (50.0%)	16 (21.9%) 42 (57.5%)
Moderate Sensitivity Sites (number / %)	0	5 (2.4%)	4 (4.0%)	5 (5.2%)	3 (4.9%)	3 (4.5%)	4 (5.5%)
Low Sensitivity Sites (number / %)	0	14 (6.6%)	19 (19.2%)	18 (18.6%)	9 (14.8%)	13 (19.7%)	11 (15.1%)
Section 4(f) Properties		14(0.00)	15(13.24)	10 (10.0 %)	3(14.5%)	13(13.7%)	11(12.1%)
Number of Publicly-Owned Parks and Recreation Areas	0	0		0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	Ö	0	0	0	0	0
Number of Historic Properties ¹	0	7	0	0	0	0	0
Section 8(f) Properties							
Properties pur thaise diby Land & Water Conservation Fund (LWCF) (number)	.0	0	0	0	0	0	0
Area (acres)	0	0	0	0	0	0	0
Properties pur thaised by Dielaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (acres)	0	3.	0	0	0	0	0
Vatrual Areas	Barren war war war war and a second					Savavavavavavavavavavaš	
State Resource Areas	0	1	33	36	1	1	1
Natural Areas	0	1	29	30	3.	1	.1
Rare, Threatened and Endangered Species							
Potential Rare, Threatened and Endangered Species Areas (acres) *	0	1	9	- 11	1	1	4
Other Considerations							
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	1	11	0
(acres within properties) Agricultural Preservation Easements (Permanent) (number of properties)	0	0 3	39 3	11	0 4	0 5	0 3 +/-
	0	12	12		21	33	12+/-
(acres within properties) Forestland: 2002 Land Use (acres)	0	17	79	12 79	19	18	13 - 53
State Forest Lands	0	Ö	0	0	0	0	0
Property Impacts		-					
Properties affected (numbers of)	0	342	291	258	194	146	127
Properties affected (total acres)	0	272	664	409	382	370	419
Appess Rights	30.0						
Acquisitions (numbers of a ffected properties)	0	6 5	7	17	67	40	35
Residential: total (existing residences/approved lots)	.0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural	0	20	5	5	10	.10	11
Commercial	0	45	্র	11	3	3.0	2
Other	0	0	11	1	0	0	0
Modified Access (numbers of affected properties)	0	57	6	ō	31	27	30
Residental	0	21	3	(0)	25	21	22
Agricultural	0	8	2	2	4	4	5
Commerdal	0	56	0	4	2	2	3
Other	0	2	1	0	0	0	0
Cost							
Preliminary anticipated cost range (\$ millions)	0	\$418 - \$51.2	\$420 - \$513	\$324 - \$395	8299 - 8365	\$337 - \$411	8 339 - 8 415
. Ivab le Dela ware		LARROY DO CO		5000			
	N/A	VERY POOR	FAIR	POOR	900D	9000	900D ¹⁰
Consistency with State Strategies and local comprehensive plans							
Engineering	40.0	40.0	-				***
	12.2 0.0	12.2 0.0	1.7 10.8	6.4 7.2	9.9 4.6	9.9 4.6	11.1 4.0

Milford Area Alternatives Blue (West Bypass)

Natural/Cultural Resources

- Advantages
 - No direct impacts on historic architectural resources
- Disadvantages
 - Highest wetland impacts
 - Highest Waters of the US impacts
 - Highest potential RTE impacts
 - Swamp pink habitat
 - New bald eagle nest about ¼ mile from alternative
 - Highest forest land impacts (with Orange)
 - Moderate impacts on agriculture
 - Among greatest natural area and State Resource Area impacts
 - Potential indirect effect on seven historic architectural resources



			2000	-	40000		2000
mark and arrayant waste samp	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
Netlands and Waters of the U.S.							
Wetlands (acres)	0	1.4	8,5	10.6	1.0	1.4	4.1
Waters of the US (linear feet)	0	689	1,149	1,282	521	346	1,050
Historia Resources	0	11	6	7	0	2	3
Number of Historic Properties within Study Area 1 Number of Properties Potentials, Subject to Section 4/5 2	0	7	0	0	Ŏ	ō	<u>-</u>
Number of Properties Potentially Subject to Section 4(f) * Number of Cemeteries *	0	4		0	1	Ö	
Archeo log loai Re sou roes					-		-
Number of Known Archeological Sites in the Limit of Disturbance 4	0	1	1	1	0	0	0
Predictive Model: Prehistoric Sensitivity in the Limit of Disturbance ²							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.1%)	3 (1.0%)	8 (2.0%)
Moderate Sensitivity Area (acres / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14,6%)
Low Sensitivity Area (acres / %)	0	54 (14.3%)	144 (21.2%)	124 (24.8%)	38 (9.7%)	46 (12.0%)	66 (17,4%)
Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8.3.7%)	310 (81.1%)	2 50 (66 .0%)
Predictive Model: Early Historic Sensitivity in the Limit of Disturbance *							
High Senstivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Moderate Sensitivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
Low Sensitivity Area (acres / %)	0	<1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Slight Sensitivity Area (acres / %)	0	365 (97.2%)	639 (94.2%)	453 (90.7%)	380 (96.0%)	368 (96.5%)	362 (95.3%)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance	0	39 (18.5%)	54/54 56/5	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
Extant Sites (number / %) * High Sensitivity Sites (number / %)	0	39 (18.5%) 152 (72.0%)	34 (34.3%) 42 (42.4%)	26 (26.8%) 48 (49.5%)	19 (3 1.1%) 30 (4 9.2%)	17 (25.8%) 33 (50.0%)	16 (21.9%) 42 (57.5%)
Moderate Sensitivity Sites (number / %)	0	5 (2.4%)	4 (4.0%)	5 (5.2%)	3 (4.9%)	3 (4.5%)	4 (5.5%)
Low Sensitivity Sites (number / %)	0	14 (6.6%)	19 (19.2%)	18 (18.6%)	9 (14.8%)	13 (19.7%)	11 (15.1%)
Section 4(f) Properties		14(0.00)	15(13.24)	10 (10.0 %)	3(14.5%)	13(13.7%)	11(12.1%)
Number of Publicly-Owned Parks and Recreation Areas	0	0		0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	Ö	0	0	0	0	0
Number of Historic Properties ¹	0	7	0	0	0	0	0
Section 8(f) Properties							
Properties pur thaise diby Land & Water Conservation Fund (LWCF) (number)	.0	0	0	0	0	0	0
Area (acres)	0	0	0	0	0	0	0
Properties pur thaised by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (acres)	0	3.	0	0	0	0	0
Vatrual Areas	Barren war war war war and a second					Savavavavavavavavavavaš	
State Resource Areas	0	1	33	36	1	1	1
Natural Areas	0	1	29	30	3.	1	.1
Rare, Threatened and Endangered Species							
Potential Rare, Threatened and Endangered Species Areas (acres) *	0	1	9	- 11	1	1	4
Other Considerations							
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	1	11	0
(acres within properties) Agricultural Preservation Easements (Permanent) (number of properties)	0	0 3	39 3	11	0 4	0 5	0 3 +/-
	0	12	12		21	33	12+/-
(acres within properties) Forestland: 2002 Land Use (acres)	0	17	79	12 79	19	18	13 - 53
State Forest Lands	0	Ö	0	0	0	0	0
Property Impacts		-					
Properties affected (numbers of)	0	342	291	258	194	146	127
Properties affected (total acres)	0	272	664	409	382	370	419
Appess Rights	30.0						
Acquisitions (numbers of a ffected properties)	0	6 5	7	17	67	40	35
Residential: total (existing residences/approved lots)	.0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural	0	20	5	5	10	.10	11
Commercial	0	45	্র	11	3	3.0	2
Other	0	0	1	1	0	0	0
Modified Access (numbers of affected properties)	0	57	6	ō	31	27	30
Residental	0	21	3	(0)	25	21	22
Agricultural	0	8	2	2	4	4	5
Commerdal	0	56	0	4	2	2	3
Other	0	2	1	0	0	0	0
Cost							
Preliminary anticipated cost range (\$ millions)	0	\$418 - \$51.2	\$420 - \$513	\$324 - \$395	8299 - 8365	\$337 - \$411	8 339 - 8 415
. Ivab le Dela ware		LARROY DO CO		5000			
	N/A	VERY POOR	FAIR	POOR	900D	9000	900D ¹⁰
Consistency with State Strategies and local comprehensive plans							
Engineering	40.0	40.0	-				***
	12.2 0.0	12.2 0.0	1.7 10.8	6.4 7.2	9.9 4.6	9.9 4.6	11.1 4.0

Milford Area Alternatives Blue (West Bypass)

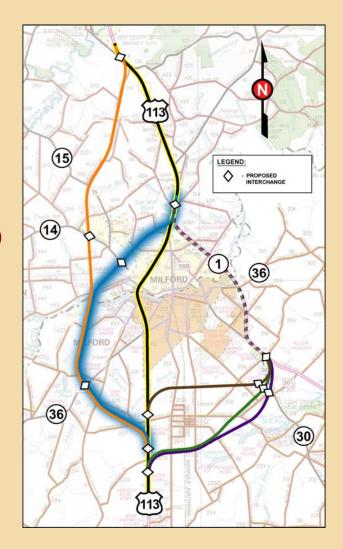
- Engineering/Traffic/ Safety/Community
 - Advantages
 - Moderate cost alternative
 - Moderate length alternative
 - Disadvantages
 - Poor consistency with
 Livable Delaware



		1000	The sugar-	The same of the	20000	40000	1944004
	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
Waters of the US (linear feet)	0	689	1,149	1,262	521	346	1,050
Historia Resources	0	11	6	7	0	2	3
Number of Historic Properties within Study Area 1	0	7		0	0	0	0
Number of Properties Potentially Subject to Section 4(f) * Number of Cemeteries *	0	4	0	0	1	Ö	
Archeological Resources			75				-
Number of Known Archeological Sites in the Limit of Disturbance 4	0	1	1	1	0	0	0
Predictive Model: Prehistoric Sensitivity in the Limit of Disturbance ²							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.196)	3 (1.0%)	8 (2.0%)
Moderate Senstivity Area (ages / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14,6%)
Low Sensitivity Area (acres / %)	0	54 (14.3%)	144 (21.2%)	124 (24,8%)	38 (9.7%)	46 (12.0%)	66 (17.4%)
Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8.3.7%)	310 (81.1%)	2.50 (66.0%)
Predictive Model: Early Historic Sensitivity in the Limit of Disturbance *							
High Sensitivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Moderate Senstivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
Low Sensitivity Area (acres / %)	0	<1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Slight Sensitivity Area (acres / %)	0	385 (97.2%)	639 (94.2%)	453 (90.7%)	380 (96.0%)	368 (96.5%)	362 (95.3%)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance	0	39 (18.5%)	34 (34.3%)	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
Extant Sites (number / %) " High Senstivity Sites (number / %)	0	152 (72.0%)	42 (42.4%)	48 (49.5%)	30 (49.2%)	33 (50.0%)	42 (57.5%)
Moderate Sensitivity Sites (number / %)	0	5 (2.4%)	4 (4.0%)	5 (5.2%)	3 (4.9%)	3 (4.5%)	4 (5.5%)
Low Sensitivity Sites (number / %)	0	14 (6.6%)	19 (19.2%)	18 (18.6%)	9 (14.8%)	13 (19.7%)	11 (15.1%)
Section 4(f) Properties				A second second	5,100		
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0
Number of Historic Properties ¹	0	7	0	0	0	0	0
Section 8(f) Properties	1						
Properties pur thased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (acres)	0	0.	0	0	0	0	0
Properties purchased by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (acres)	0	1	0	0	0	0	0
Natrual Areas	3						
State Resource Areas	0	1	33	36	1	1	
Natural Areas	0	1	29	30	3.	1	- 1
Rare, Threatened and Endangered Species	0	1	9	11		4	4
Potential Rare, Threatened and Endangered Species Areas (acres) * Other Considerations		1	,	- 11	-1	1	-
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4		0
(acres within properties)	0	Ö	39	11	Ö	0	
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	- 33	12 +/-
Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							**
Properties affected (numbers of)	0	342	291	258	194	146	127
Properties affected (total acres)	0	272	664	409	382	370	419
Appess Rights							
Acquisitions (numbers of a ffected properties)	0	6 5	7	17.	67	40	35
Residential: total (existing residences/approved lots)	0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural	0	20 45	5	5	10	10	11
Commercial	0			11		3	2
Other	0	0	1	1	0	0 27	0
Modified Access (numbers of affected properties) Residential	0	57 21	3		91 25	27 21	30 22
Agricultural	0	8	2	2	4	4	5
Commercial	0	58		1		:	3
Other	0	2	1		0	ō	0
Cost							
Preliminary anticipated cost range (5 millions)	0	\$418 - \$51.2	\$420 - \$513	8324 - 8395	\$299 - \$365	\$337 - \$411	\$339 - \$415
L Ivab le Delaware							
Consistency with State Strategies and local comprehensive plans **	N/A	VERY POOR	FAIR	POOR	GOOD	GOOD	900D 10
Engineering			9	4 /			
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-alignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.6	4.0
Total length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

Milford Area Alternatives Blue (West Bypass)

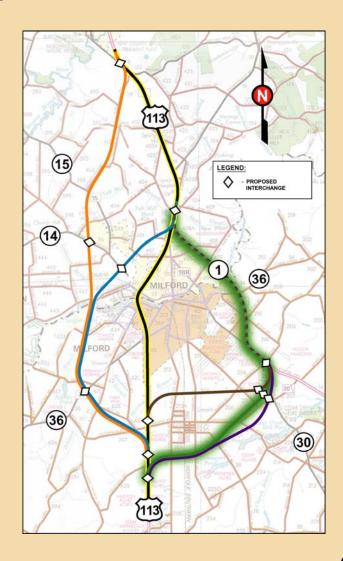
- Public Comments to Date
 - Little support to date by the Working Group and the public



		1000	The sugar-	The same of the	20000	40000	1944004
	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
Waters of the US (linear feet)	0	689	1,149	1,262	521	346	1,050
Historia Resources	0	11	6	7	0	2	3
Number of Historic Properties within Study Area 1	0	7		0	0	0	0
Number of Properties Potentially Subject to Section 4(f) * Number of Cemeteries *	0	4	0	0	1	Ö	
Archeological Resources			75				-
Number of Known Archeological Sites in the Limit of Disturbance 4	0	1	1	1	0	0	0
Predictive Model: Prehistoric Sensitivity in the Limit of Disturbance ²							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.196)	3 (1.0%)	8 (2.0%)
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Low Sensitivity Area (acres / %)	0	<1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
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Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance	0	39 (18.5%)	34 (34.3%)	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
Extant Sites (number / %) " High Senstivity Sites (number / %)	0	152 (72.0%)	42 (42.4%)	48 (49.5%)	30 (49.2%)	33 (50.0%)	42 (57.5%)
Moderate Sensitivity Sites (number / %)	0	5 (2.4%)	4 (4.0%)	5 (5.2%)	3 (4.9%)	3 (4.5%)	4 (5.5%)
Low Sensitivity Sites (number / %)	0	14 (6.6%)	19 (19.2%)	18 (18.6%)	9 (14.8%)	13 (19.7%)	11 (15.1%)
Section 4(f) Properties				A second second	5,100		
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0
Number of Historic Properties ¹	0	7	0	0	0	0	0
Section 8(f) Properties	1						
Properties pur thased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (acres)	0	0.	0	0	0	0	0
Properties purchased by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (acres)	0	1	0	0	0	0	0
Natrual Areas	3						
State Resource Areas	0	1	33	36	1	1	
Natural Areas	0	1	29	30	3.	1	- 1
Rare, Threatened and Endangered Species	0	1	9	11		4	4
Potential Rare, Threatened and Endangered Species Areas (acres) * Other Considerations		1	, ,	- 11	-1	1	-
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4		0
(acres within properties)	0	Ö	39	11	Ö	0	
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	- 33	12 +/-
Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							**
Properties affected (numbers of)	0	342	291	258	194	146	127
Properties affected (total acres)	0	272	664	409	382	370	419
Appess Rights							
Acquisitions (numbers of a ffected properties)	0	6 5	7	17.	67	40	35
Residential: total (existing residences/approved lots)	0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural	0	20 45	5	5	10	10	11
Commercial	0			11		3	2
Other	0	0	1	1	0	0 27	0
Modified Access (numbers of affected properties) Residential	0	57 21	3		91 25	27 21	30 22
Agricultural	0	8	2	2	4	4	5
Commercial	0	58		1		:	3
Other	0	2	1		0	ō	0
Cost							
Preliminary anticipated cost range (5 millions)	0	\$418 - \$51.2	\$420 - \$513	8324 - 8395	\$299 - \$365	\$337 - \$411	\$339 - \$415
L Ivab le Delaware							
Consistency with State Strategies and local comprehensive plans **	N/A	VERY POOR	FAIR	POOR	GOOD	GOOD	900D 10
Engineering			9	4 /			
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-alignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.6	4.0
Total length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

Natural/Cultural Resources

- Advantages
 - Lowest wetland impacts
 - Low Waters of the US impacts
 - No anticipated direct impacts on historic architectural resources
 - No anticipated indirect effects on historic architectural resources
 - Lowest potential RTE impacts
 - Low forest impacts
 - Low natural area and State Resource Area impacts
- Disadvantages
 - None



		1000	The sugar-	The same of the	20000	40000	1944004
	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
Waters of the US (linear feet)	0	689	1,149	1,262	521	346	1,050
Historia Resources	0	11	6	7	0	2	3
Number of Historic Properties within Study Area 1	0	7		0	0	0	0
Number of Properties Potentially Subject to Section 4(f) * Number of Cemeteries *	0	4	0	0	1	Ö	
Archeological Resources			75				-
Number of Known Archeological Sites in the Limit of Disturbance 4	0	1	1	1	0	0	0
Predictive Model: Prehistoric Sensitivity in the Limit of Disturbance ²							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.196)	3 (1.0%)	8 (2.0%)
Moderate Senstivity Area (ages / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14,6%)
Low Sensitivity Area (acres / %)	0	54 (14.3%)	144 (21.2%)	124 (24,8%)	38 (9.7%)	46 (12.0%)	66 (17.4%)
Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8.3.7%)	310 (81.1%)	2.50 (66.0%)
Predictive Model: Early Historic Sensitivity in the Limit of Disturbance *							
High Sensitivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Moderate Senstivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
Low Sensitivity Area (acres / %)	0	<1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Slight Sensitivity Area (acres / %)	0	385 (97.2%)	639 (94.2%)	453 (90.7%)	380 (96.0%)	368 (96.5%)	362 (95.3%)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance	0	39 (18.5%)	34 (34.3%)	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
Extant Sites (number / %) " High Senstivity Sites (number / %)	0	152 (72.0%)	42 (42.4%)	48 (49.5%)	30 (49.2%)	33 (50.0%)	42 (57.5%)
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Low Sensitivity Sites (number / %)	0	14 (6.6%)	19 (19.2%)	18 (18.6%)	9 (14.8%)	13 (19.7%)	11 (15.1%)
Section 4(f) Properties				A second second	5,100		
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0
Number of Historic Properties ¹	0	7	0	0	0	0	0
Section 8(f) Properties	1						
Properties pur thased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (acres)	0	0	0	0	0	0	0
Properties purchased by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (acres)	0	1	0	0	0	0	0
Natrual Areas	3						
State Resource Areas	0	1	33	36	1	1	
Natural Areas	0	1	29	30	3.	1	- 1
Rare, Threatened and Endangered Species	0	1	9	11		4	4
Potential Rare, Threatened and Endangered Species Areas (acres) * Other Considerations		1	, ,	- 11	-1	1	-
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4		0
(acres within properties)	0	Ö	39	11	Ö	0	
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	- 33	12 +/-
Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							**
Properties affected (numbers of)	0	342	291	258	194	146	127
Properties affected (total acres)	0	272	664	409	382	370	419
Appess Rights							
Acquisitions (numbers of a ffected properties)	0	6 5	7	17.	67	40	35
Residential: total (existing residences/approved lots)	0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural	0	20 45	. 5	5	10	10	11
Commercial	0			11		3	2
Other	0	0	1	1	0	0 27	0
Modified Access (numbers of affected properties) Residential	0	57 21	3		91 25	27 21	30 22
Agricultural	0	8	2	2	4	4	5
Commercial	0	58		1		:	3
Other	0	2	1		0	ō	0
Cost							
Preliminary anticipated cost range (5 millions)	0	\$418 - \$51.2	\$420 - \$513	8324 - 8395	\$299 - \$365	\$337 - \$411	\$339 - \$415
L Ivab le Delaware							
Consistency with State Strategies and local comprehensive plans **	N/A	VERY POOR	FAIR	POOR	GOOD	GOOD	900D 10
Engineering			9	4 /			
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-alignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.6	4.0
Total length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

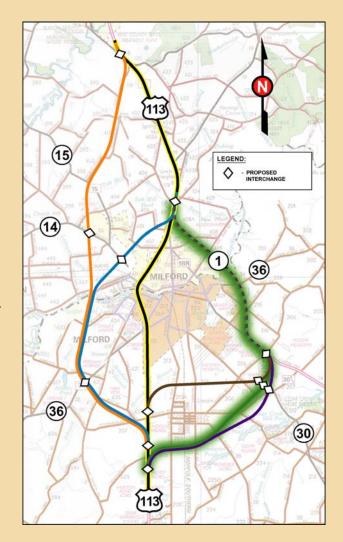
Engineering/Traffic/ Safety/Community

Advantages

- Lowest cost alternative
- Good consistency with Livable Delaware
- Low number of affected properties
- Takes advantage of existing SR 1 not much new alignment

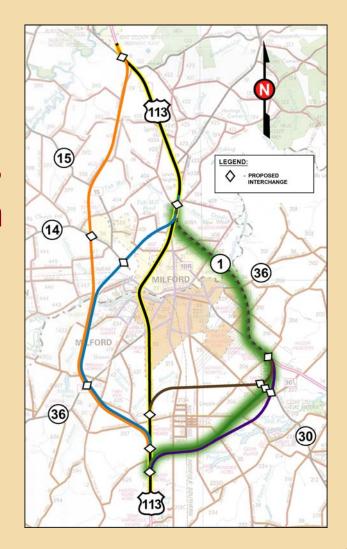
Disadvantages

 Greater overall length than onalignment and west bypass alternatives



		1000	The sugar-	The same of the	20000	40000	1944004
	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
Waters of the US (linear feet)	0	689	1,149	1,262	521	346	1,050
Historia Resources	0	11	6	7	0	2	3
Number of Historic Properties within Study Area 1	0	7		0	0	0	0
Number of Properties Potentially Subject to Section 4(f) * Number of Cemeteries *	0	4	0	0	1	Ö	
Archeological Resources			75				-
Number of Known Archeological Sites in the Limit of Disturbance 4	0	1	1	1	0	0	0
Predictive Model: Prehistoric Sensitivity in the Limit of Disturbance ²							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.196)	3 (1.0%)	8 (2.0%)
Moderate Senstivity Area (ages / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14,6%)
Low Sensitivity Area (acres / %)	0	54 (14.3%)	144 (21.2%)	124 (24,8%)	38 (9.7%)	46 (12.0%)	66 (17.4%)
Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8.3.7%)	310 (81.1%)	2.50 (66.0%)
Predictive Model: Early Historic Sensitivity in the Limit of Disturbance *							
High Sensitivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Moderate Senstivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
Low Sensitivity Area (acres / %)	0	<1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Slight Sensitivity Area (acres / %)	0	385 (97.2%)	639 (94.2%)	453 (90.7%)	380 (96.0%)	368 (96.5%)	362 (95.3%)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance	0	39 (18.5%)	34 (34.3%)	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
Extant Sites (number / %) " High Senstivity Sites (number / %)	0	152 (72.0%)	42 (42.4%)	48 (49.5%)	30 (49.2%)	33 (50.0%)	42 (57.5%)
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Section 4(f) Properties				A second second	5,100		
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0
Number of Historic Properties ¹	0	7	0	0	0	0	0
Section 8(f) Properties	1						
Properties pur thased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (acres)	0	0.	0	0	0	0	0
Properties purchased by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (acres)	0	1	0	0	0	0	0
Natrual Areas	3						
State Resource Areas	0	1	33	36	1	1	
Natural Areas	0	1	29	30	3.	1	- 1
Rare, Threatened and Endangered Species	0	1	9	11		4	4
Potential Rare, Threatened and Endangered Species Areas (acres) * Other Considerations		1	, ,	- 11	-1	1	-
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4		0
(acres within properties)	0	Ö	39	11	Ö	0	
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	- 33	12 +/-
Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							**
Properties affected (numbers of)	0	342	291	258	194	146	127
Properties affected (total acres)	0	272	664	409	382	370	419
Appess Rights							
Acquisitions (numbers of a ffected properties)	0	6 5	7	17.	67	40	35
Residential: total (existing residences/approved lots)	0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural	0	20 45	. 5	5	10	10	11
Commercial	0			11		3	2
Other	0	0	1	1	0	0 27	0
Modified Access (numbers of affected properties) Residential	0	57 21	3		91 25	27 21	30 22
Agricultural	0	8	2	2	4	4	5
Commercial	0	58		1		:	3
Other	0	2	1		0	ō	0
Cost							
Preliminary anticipated cost range (5 millions)	0	\$418 - \$51.2	\$420 - \$513	8324 - 8395	\$299 - \$365	\$337 - \$411	\$339 - \$415
L Ivab le Delaware							
Consistency with State Strategies and local comprehensive plans **	N/A	VERY POOR	FAIR	POOR	GOOD	GOOD	900D 10
Engineering			9	4 /			
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-alignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.6	4.0
Total length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

- Public Comments to Date
 - Working Group favors East; requested Brown be evaluated
 - Greater Lincoln community opposes Green and Purple; favors Brown

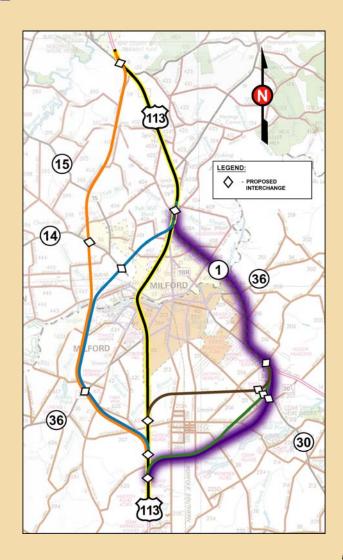


		1000	The sugar-	The same of the	20000	40000	1944004
	No-Build	Yellow	Orange	Blue	Green	Purple	Brown
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
Waters of the US (linear feet)	0	689	1,149	1,262	521	346	1,050
Historia Resources	0	11	6	7	0	2	3
Number of Historic Properties within Study Area 1	0	7		0	0	0	0
Number of Properties Potentially Subject to Section 4(f) * Number of Cemeteries *	0	4	0	0	1	Ö	
Archeological Resources			75				-
Number of Known Archeological Sites in the Limit of Disturbance 4	0	1	1	1	0	0	0
Predictive Model: Prehistoric Sensitivity in the Limit of Disturbance ²							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.196)	3 (1.0%)	8 (2.0%)
Moderate Senstivity Area (ages / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14,6%)
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Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8.3.7%)	310 (81.1%)	2.50 (66.0%)
Predictive Model: Early Historic Sensitivity in the Limit of Disturbance *							
High Sensitivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Moderate Senstivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
Low Sensitivity Area (acres / %)	0	<1 (0.1%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
Slight Sensitivity Area (acres / %)	0	385 (97.2%)	639 (94.2%)	453 (90.7%)	380 (96.0%)	368 (96.5%)	362 (95.3%)
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Section 4(f) Properties				A second second	5,100		
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0
Number of Historic Properties ¹	0	7	0	0	0	0	0
Section 8(f) Properties	1						
Properties pur thased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (acres)	0	0	0	0	0	0	0
Properties purchased by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (acres)	0	1	0	0	0	0	0
Natrual Areas	3						
State Resource Areas	0	1	33	36	1	1	
Natural Areas	0	1	29	30	3.	1	- 1
Rare, Threatened and Endangered Species	0	1	9	11		4	4
Potential Rare, Threatened and Endangered Species Areas (acres) * Other Considerations		1	, ,	- 11	-1	1	-
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4		0
(acres within properties)	0	Ö	39	11	Ö	0	
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	- 33	12 +/-
Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							**
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Commercial	0			11		3	2
Other	0	0	1	1	0	0 27	0
Modified Access (numbers of affected properties) Residential	0	57 21	3		91 25	27 21	30 22
Agricultural	0	8	2	2	4	4	5
Commercial	0	58		1		:	3
Other	0	2	1		0	ō	0
Cost							
Preliminary anticipated cost range (5 millions)	0	\$418 - \$51.2	\$420 - \$513	8324 - 8395	\$299 - \$365	\$337 - \$411	\$339 - \$415
L Ivab le Delaware							
Consistency with State Strategies and local comprehensive plans **	N/A	VERY POOR	FAIR	POOR	GOOD	GOOD	900D 10
Engineering			9	4 /			
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-alignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.6	4.0
Total length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

Milford Area Alternatives Purple (East Bypass)

Natural/Cultural Resources

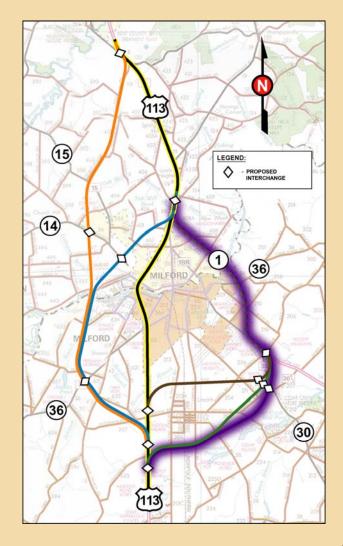
- Advantages
 - Low wetland impacts
 - Lowest Waters of the US impacts
 - No anticipated direct impacts on historic architectural resources
 - Few (two) anticipated indirect effects on historic architectural resources
 - Low potential RTE impacts
 - Low forest impacts
 - Low natural area and State Resource Area impacts
- Disadvantages
 - None



	No-Build	Yellow	Oranna	Blue	Green	Purple	Brown
10000 1-0000 5 1480 1000	NO-Dulla	Tellow	Orange	DIU	Gleen	Pulpe	DIOWII
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
Waters of the US (linear feet) Historio Resources	0	689	1,149	1,262	521	346	1,050
	0	11	6	7	0	2	3
Number of Historic Properties within Study Area. ³ Number of Properties Potentially Subject to Section 4(f). ²	0	7		0	0	0	ō
Number of Cemeteries ²	0	1	0	0	1	0	0
Archeological Resources			3				
Number of Known Archeological Sites in the Limit of Disturbance ⁶	0	1	1	4.5	0	0	0
Predictive Model: Frehistoric Senstivity in the Limit of Disturbance ⁵							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.1%)	3 (1.0%)	8 (2.0%)
Moderate Senstivity Area (acres / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14.6%)
Low Sensitivity Area (acres / %)	0	54 (14.3%)	144 (21.2%)	124 (24.8%)	38 (9.7%)	46 (12.0%)	66 (17,4%)
Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8 3.7%)	310 (81.1%)	250 (66,0%)
Predictive Model: Early Historic Sensitivity in the Limit of Disturbance							
High Sensitivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Moderate Sensitivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
Low Sensitivity Area (acres / %) Slight Sensitivity Area (acres / %)	0	<1 (0.1%) 365 (97.2%)	0 (0.0%) 639 (94.2%)	0 (0.0%) 453 (90.7%)	0 (0 .0%) 380 (96.0%)	0 (0.0%) 368 (96.5%)	0 (0.0%) 3 62 (95.3%)
		See (at a se)	W-2 (PT-2 19)	755(56.176)	- see (execut)		200 (22-23)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance." Extent Sites (number / %).	0	39 (18.5%)	34 (34.3%)	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
High Sensitivity Sites (number / %)	0	152 (72.0%)	42 (42.4%)	48 (49.5%)	30 (49.2%)	33 (50.0%)	42 (57.5%)
Moderate Senstivity Sites (number / %)	0	5 (2.4%)	4 (4.0%)	5 (5.2%)	3 (4.9%)	3 (4.5%)	4 (5.5%)
Low Sensitivity Sites (number / %)	0	14 (6.6%)	19 (19.2%)	18 (18.6%)	9 (14.8%)	13 (19.7%)	11 (15.1%)
Seption 4(f) Properties							
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0
Number of Historic Properties ¹	0	7	. 0	0	0	0	0
Section 8(f) Properties							
Properties purchased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (a des)	0	0	0	0	0	0	0
Properties purchaised by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (a cres)	0	1.	0	0	0	0	0
Natrual Areas							
State Resource Areas Natural Areas	0	1	33 29	36 30	1	1 1	1
Rare, Threatened and Endangered Species	10	90.	97.				
Potential Rare, Threatened and Endangered Species Areas (acres) *	0	4	9	11	1	1	
Other Considerations			1		1.5		
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4	1	0
(acres within properties)	0	0	39	11	0	0	0
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	33	12+/-
Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							
Properties affected (numbers of)	0	342	291	258	194	145	127
Properties affected (total acres)	0	272	664	409	382	370	419
Access Rights							
Acquisitions (numbers of a ffected properties)	0	6 5		17	67	40	35
Residential: total (existing residences/approved lots)	0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural Commercial	0	20 45	5	5 11	10	- 10 - 3	11
Other	0	*°	1	11	0	0	0
Modified Access (numbers of affected properties)	0	87	5	8	31	27	30
Residental	0	21	3	0	25	21	22
Agricultural	0	8	2	2		4	5
Commercial	0	58	0	4	2	2	3
Other	0	2	1	0	0	0	0
Cost							
Preliminary anticipated cost range (\$ millions)	0	\$418 - \$51.2	\$420 - \$513	\$324 - \$395	\$299 - \$365	\$337 - \$411	\$339 - \$415
Livable Delaware							
Consistency with State Strategies and local comprehensive plans ¹⁰	N/A	VERY POOR	FAIR	POOR	G00D	G00D	900D ¹⁰
Engineering	0		7				
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-slignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.5	4.0
To tall length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

Milford Area Alternatives Purple (East Bypass)

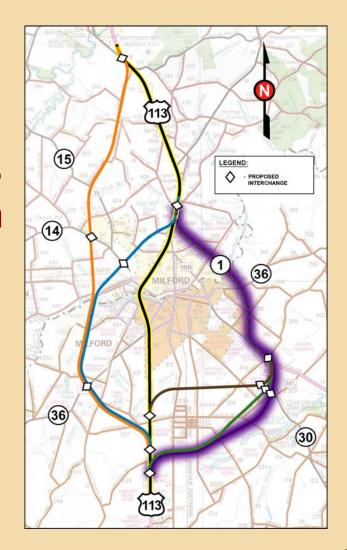
- Engineering/Traffic/ Safety/Community
 - Advantages
 - Moderate cost alternative
 - Good consistency with Livable Delaware
 - Low number of affected properties
 - Takes advantage of existing SR 1not much new alignment
 - Disadvantages
 - Greater overall length than onalignment and west bypass alternatives



	No-Build	Yellow	Oranna	Blue	Green	Purple	Brown
10000 1-0000 5 1480 1000	NO-Dulla	Tellow	Orange	DIU	Gleen	Pulpe	DIOWII
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
Waters of the US (linear feet) Historio Resources	0	689	1,149	1,262	521	346	1,050
	0	11	6	7	0	2	3
Number of Historic Properties within Study Area. ³ Number of Properties Potentially Subject to Section 4(f). ²	0	7		0	0	0	ō
Number of Cemeteries ²	0	1	0	0	1	0	0
Archeological Resources			3				
Number of Known Archeological Sites in the Limit of Disturbance ⁶	0	1	1	4.5	0	0	0
Predictive Model: Frehistoric Senstivity in the Limit of Disturbance ⁵							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.1%)	3 (1.0%)	8 (2.0%)
Moderate Senstivity Area (acres / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14.6%)
Low Sensitivity Area (acres / %)	0	54 (14.3%)	144 (21.2%)	124 (24.8%)	38 (9.7%)	46 (12.0%)	66 (17,4%)
Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8 3.7%)	310 (81.1%)	250 (66,0%)
Predictive Model: Early Historic Sensitivity in the Limit of Disturbance							
High Sensitivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Moderate Sensitivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
Low Sensitivity Area (acres / %) Slight Sensitivity Area (acres / %)	0	<1 (0.1%) 365 (97.2%)	0 (0.0%) 639 (94.2%)	0 (0.0%) 453 (90.7%)	0 (0 .0%) 380 (96.0%)	0 (0.0%) 368 (96.5%)	0 (0.0%) 3 62 (95.3%)
		See (at a se)	W-2 (PT-2 19)	755(56.176)	- see (execut)		200 (22-23)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance." Extent Sites (number / %).	0	39 (18.5%)	34 (34.3%)	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
High Sensitivity Sites (number / %)	0	152 (72.0%)	42 (42.4%)	48 (49.5%)	30 (49.2%)	33 (50.0%)	42 (57.5%)
Moderate Senstivity Sites (number / %)	0	5 (2.4%)	4 (4.0%)	5 (5.2%)	3 (4.9%)	3 (4.5%)	4 (5.5%)
Low Sensitivity Sites (number / %)	0	14 (6.6%)	19 (19.2%)	18 (18.6%)	9 (14.8%)	13 (19.7%)	11 (15.1%)
Seption 4(f) Properties							
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0
Number of Historic Properties ¹	0	7	. 0	0	0	0	0
Section 8(f) Properties							
Properties purchased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (a des)	0	0	0	0	0	0	0
Properties purchaised by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (a cres)	0	1.	0	0	0	0	0
Natrual Areas							
State Resource Areas Natural Areas	0	1	33 29	36 30	1	1 1	1
Rare, Threatened and Endangered Species	10	90.	97.				
Potential Rare, Threatened and Endangered Species Areas (acres) *	0	4	9	11	1	1	
Other Considerations			1		1.5		
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4	1	0
(acres within properties)	0	0	39	11	0	0	0
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	33	12+/-
Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							
Properties affected (numbers of)	0	342	291	258	194	145	127
Properties affected (total acres)	0	272	664	409	382	370	419
Access Rights							
Acquisitions (numbers of a ffected properties)	0	6 5		17	67	40	35
Residential: total (existing residences/approved lots)	0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural Commercial	0	20 45	5	5 11	10	- 10 - 3	11
Other	0	*°	1	11	0	0	0
Modified Access (numbers of affected properties)	0	87	5	8	31	27	30
Residental	0	21	3	0	25	21	22
Agricultural	0	8	2	2		4	5
Commercial	0	58	0	4	2	2	3
Other	0	2	1	0	0	0	0
Cost							
Preliminary anticipated cost range (\$ millions)	0	\$418 - \$51.2	\$420 - \$513	\$324 - \$395	\$299 - \$365	\$337 - \$411	\$339 - \$415
Livable Delaware							
Consistency with State Strategies and local comprehensive plans ¹⁰	N/A	VERY POOR	FAIR	POOR	G00D	G00D	900D ¹⁰
Engineering	0		7				
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-slignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.5	4.0
To tall length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

Milford Area Alternatives Purple (East Bypass)

- Public Comments to Date
 - Working Group favors East; requested Brown be evaluated
 - Greater Lincoln community opposes Green and Purple; favors Brown



	No-Build	Yellow	Oranna	Blue	Green	Purple	Brown
10000 1-0000 5 1480 1000	NO-Dulla	Tellow	Orange	DIU	Gleen	Pulpe	DIOWII
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
Waters of the US (linear feet) Historio Resources	0	689	1,149	1,262	521	346	1,050
	0	11	6	7	0	2	3
Number of Historic Properties within Study Area. ³ Number of Properties Potentially Subject to Section 4(f). ²	0	7		0	0	0	ō
Number of Cemeteries ²	0	1	0	0	1	0	0
Archeological Resources			3				
Number of Known Archeological Sites in the Limit of Disturbance ⁶	0	1	1	4.5	0	0	0
Predictive Model: Frehistoric Senstivity in the Limit of Disturbance ⁵							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.1%)	3 (1.0%)	8 (2.0%)
Moderate Senstivity Area (acres / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14.6%)
Low Sensitivity Area (acres / %)	0	54 (14.3%)	144 (21.2%)	124 (24.8%)	38 (9.7%)	46 (12.0%)	66 (17,4%)
Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8 3.7%)	310 (81.1%)	250 (66,0%)
Predictive Model: Early Historic Sensitivity in the Limit of Disturbance							
High Sensitivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Moderate Sensitivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
Low Sensitivity Area (acres / %) Slight Sensitivity Area (acres / %)	0	<1 (0.1%) 365 (97.2%)	0 (0.0%) 639 (94.2%)	0 (0.0%) 453 (90.7%)	0 (0 .0%) 380 (96.0%)	0 (0.0%) 368 (96.5%)	0 (0.0%) 3 62 (95.3%)
		See (at a se)	W-2 (PT-2 10)	755(56.176)	- see (execut)		200 (22-23)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance." Extent Sites (number / %).	0	39 (18.5%)	34 (34.3%)	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
High Sensitivity Sites (number / %)	0	152 (72.0%)	42 (42.4%)	48 (49.5%)	30 (49.2%)	33 (50.0%)	42 (57.5%)
Moderate Senstivity Sites (number / %)	0	5 (2.4%)	4 (4.0%)	5 (5.2%)	3 (4.9%)	3 (4.5%)	4 (5.5%)
Low Sensitivity Sites (number / %)	0	14 (6.6%)	19 (19.2%)	18 (18.6%)	9 (14.8%)	13 (19.7%)	11 (15.1%)
Seption 4(f) Properties							
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0
Number of Historic Properties ¹	0	7	. 0	0	0	0	0
Section 8(f) Properties							
Properties purchased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (a des)	0	0	0	0	0	0	0
Properties purchaised by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (a cres)	0	1.	0	0	0	0	0
Natrual Areas							
State Resource Areas Natural Areas	0	1	33 29	36 30	1	1 1	1
Rare, Threatened and Endangered Species	10	90.	97.				
Potential Rare, Threatened and Endangered Species Areas (acres) *	0	4	9	11	1	1	
Other Considerations			1		1.5		
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4	1	0
(acres within properties)	0	0	39	11	0	0	0
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	33	12+/-
Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							
Properties affected (numbers of)	0	342	291	258	194	145	127
Properties affected (total acres)	0	272	664	409	382	370	419
Access Rights							
Acquisitions (numbers of a ffected properties)	0	6 5		17	67	40	35
Residential: total (existing residences/approved lots)	0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural Commercial	0	20 45	5	5 11	10	- 10 - 3	11
Other	0	*°	1	11	0	0	0
Modified Access (numbers of affected properties)	0	87	5	8	31	27	30
Residental	0	21	3	0	25	21	22
Agricultural	0	8	2	2		4	5
Commercial	0	58	0	4	2	2	3
Other	0	2	1	0	0	0	0
Cost							
Preliminary anticipated cost range (\$ millions)	0	\$418 - \$51.2	\$420 - \$513	\$324 - \$395	\$299 - \$365	\$337 - \$411	\$339 - \$415
Livable Delaware							
Consistency with State Strategies and local comprehensive plans ¹⁰	N/A	VERY POOR	FAIR	POOR	G00D	G00D	900D ¹⁰
Engineering	0		7				
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-slignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.5	4.0
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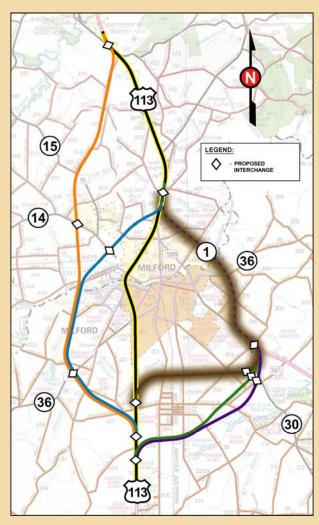
Natural/Cultural Resources

Advantages

- No anticipated impacts on historic architectural resources
- Relatively low potential RTE impacts
- Low natural area and State
 Resource Area impacts

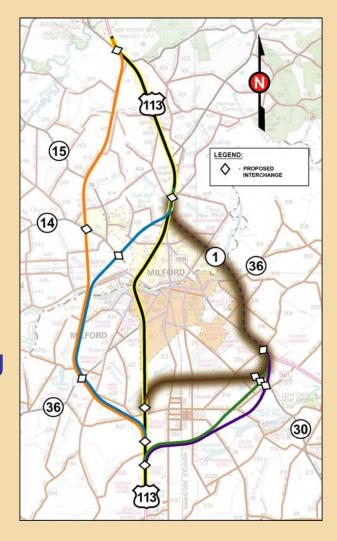
Disadvantages

- Fragments wetland/forest habitat on Herring Branch
- High Waters of the US impacts



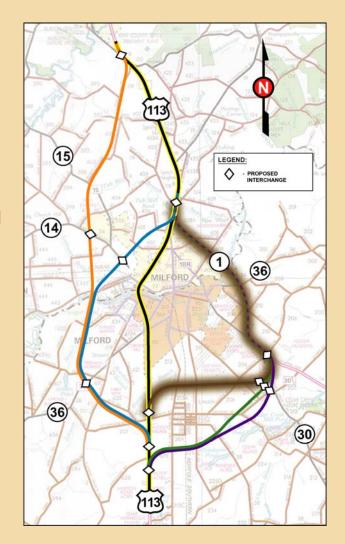
	No-Build	Yellow	Oranna	Blue	Green	Purple	Brown
10000 1-0000 5 1480 1000	NO-Dulla	Tellow	Orange	DIU	Gleen	Pulpe	DIOWII
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
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Number of Historic Properties within Study Area. ³ Number of Properties Potentially Subject to Section 4(f). ²	0	7		0	0	0	ō
Number of Cemeteries ²	0	1	0	0	1	0	0
Archeological Resources			3				
Number of Known Archeological Sites in the Limit of Disturbance ⁶	0	1	1	4.5	0	0	0
Predictive Model: Frehistoric Senstivity in the Limit of Disturbance ⁵							
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		See (at a se)	W-2 (PT-2 10)	755(56.176)	- see (execut)		200 (22-23)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance." Extent Sites (number / %).	0	39 (18.5%)	34 (34.3%)	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
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Seption 4(f) Properties							
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0
Number of Historic Properties ¹	0	7	. 0	0	0	0	0
Section 8(f) Properties							
Properties purchased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (a des)	0	0	0	0	0	0	0
Properties purchaised by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (a cres)	0	1.	0	0	0	0	0
Natrual Areas							
State Resource Areas Natural Areas	0	1	33 29	36 30	1	1 1	1
Rare, Threatened and Endangered Species	10	90.	97.				
Potential Rare, Threatened and Endangered Species Areas (acres) *	0	4	9	11	1	1	
Other Considerations			1		1.5		
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4	1	0
(acres within properties)	0	0	39	11	0	0	0
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	33	12+/-
Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							
Properties affected (numbers of)	0	342	291	258	194	145	127
Properties affected (total acres)	0	272	664	409	382	370	419
Access Rights							
Acquisitions (numbers of a ffected properties)	0	6 5		17	67	40	35
Residential: total (existing residences/approved lots)	0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural Commercial	0	20 45	5	5 11	10	- 10 - 3	11
Other	0	•== 0	1	11	0	0	0
Modified Access (numbers of affected properties)	0	87	5	8	31	27	30
Residental	0	21	3	0	25	21	22
Agricultural	0	8	2	2		4	5
Commercial	0	58	0	4	2	2	3
Other	0	2	1	0	0	0	0
Cost							
Preliminary anticipated cost range (\$ millions)	0	\$418 - \$51.2	\$420 - \$513	\$324 - \$395	\$299 - \$365	\$337 - \$411	\$339 - \$415
Livable Delaware							
Consistency with State Strategies and local comprehensive plans ¹⁰	N/A	VERY POOR	FAIR	POOR	G00D	G00D	900D ¹⁰
Engineering	0		7				
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-slignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.5	4.0
To tall length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

- Engineering/Traffic/ Safety/Community
 - Advantages
 - Moderate cost alternative
 - Takes advantage of existing SR 1 not much new alignment
 - Good consistency with Livable Delaware (pending further discussion)
 - Disadvantages
 - Greatest overall length



	No-Build	Yellow	Oranna	Blue	Green	Purple	Brown
10000 1-0000 5 1480 1000	NO-Dulla	Tellow	Orange	DIU	Gleen	Pulpe	DIOWII
Wetlands and Waters of the U 8							
Wetlands (acres)	0	1.4	8.5	10.6	1.0	1.4	4.1
Waters of the US (linear feet) Historio Resources	0	689	1,149	1,262	521	346	1,050
	0	11	6	7	0	2	3
Number of Historic Properties within Study Area. ³ Number of Properties Potentially Subject to Section 4(f). ²	0	7		0	0	0	ō
Number of Cemeteries ²	0	1	0	0	1	0	0
Archeological Resources			3				
Number of Known Archeological Sites in the Limit of Disturbance ⁶	0	1	1	4.5	0	0	0
Predictive Model: Frehistoric Senstivity in the Limit of Disturbance ⁵							
High Senstivity Area (acres / %)	0	7 (1.8%)	16 (2.3%)	19 (3.8%)	4 (1.1%)	3 (1.0%)	8 (2.0%)
Moderate Senstivity Area (acres / %)	0	45 (12.1%)	70 (10.4%)	59 (11.7%)	22 (5.5%)	22 (5.9%)	55 (14.6%)
Low Sensitivity Area (acres / %)	0	54 (14.3%)	144 (21.2%)	124 (24.8%)	38 (9.7%)	46 (12.0%)	66 (17,4%)
Slight Sensitivity Area (acres / %)	0	270 (71.8%)	449 (66.1%)	297 (59.7%)	332 (8 3.7%)	310 (81.1%)	250 (66,0%)
Predictive Model: Early Historic Sensitivity in the Limit of Disturbance							
High Sensitivity Area (acres / %)	0	2 (0.4%)	5 (0.8%)	20 (4.1%)	8 (2.1%)	6 (1.5%)	6 (1.7%)
Moderate Sensitivity Area (acres / %)	0	9 (2.3%)	34 (5.0%)	26 (5.2%)	8 (1.9%)	8 (2.0%)	11 (3.0%)
Low Sensitivity Area (acres / %) Slight Sensitivity Area (acres / %)	0	<1 (0.1%) 365 (97.2%)	0 (0.0%) 639 (94.2%)	0 (0.0%) 453 (90.7%)	0 (0 .0%) 380 (96.0%)	0 (0.0%) 368 (96.5%)	0 (0.0%) 3 62 (95.3%)
		See (at a se)	W-2 (PT-2 10)	755(56.176)	- see (execut)		200 (22-23)
Predictive Model: Sites of Historic Sensitivity in the Limit of Disturbance." Extent Sites (number / %).	0	39 (18.5%)	34 (34.3%)	26 (26.8%)	19 (31.1%)	17 (25.8%)	16 (21.9%)
High Sensitivity Sites (number / %)	0	152 (72.0%)	42 (42.4%)	48 (49.5%)	30 (49.2%)	33 (50.0%)	42 (57.5%)
Moderate Senstivity Sites (number / %)	0	5 (2.4%)	4 (4.0%)	5 (5.2%)	3 (4.9%)	3 (4.5%)	4 (5.5%)
Low Sensitivity Sites (number / %)	0	14 (6.6%)	19 (19.2%)	18 (18.6%)	9 (14.8%)	13 (19.7%)	11 (15.1%)
Seption 4(f) Properties							
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0
Number of Historic Properties ¹	0	7	. 0	0	0	0	0
Section 8(f) Properties							
Properties purchased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0
Area (a des)	0	0	0	0	0	0	0
Properties purchaised by Delaware Trust Fund (DTF) (number)	0	1	0	0	0	0	0
Area (a cres)	0	1.	0	0	0	0	0
Natrual Areas							
State Resource Areas Natural Areas	0	1	33 29	36 30	1	1 1	1
Rare, Threatened and Endangered Species	10	90.	97.				
Potential Rare, Threatened and Endangered Species Areas (acres) *	0	4	9	11	1	1	
Other Considerations			1		1.5		
Agricultural Districts (Ten-Year) (number of properties)	0	0	4	2	4	1	0
(acres within properties)	0	0	39	11	0	0	0
Agricultural Preservation Easements (Permanent) (number of properties)	0	3	3	3	4	5	3+/-
(acres within properties)	0	12	12	12	21	33	12+/-
Forestland: 2002 Land Use (acres)	0	17	79	79	19	18	13 - 53
State Forest Lands	0	0	0	0	0	0	0
Property Impacts							
Properties affected (numbers of)	0	342	291	258	194	145	127
Properties affected (total acres)	0	272	664	409	382	370	419
Access Rights							
Acquisitions (numbers of a ffected properties)	0	6 5		17	67	40	35
Residential: total (existing residences/approved lots)	0	29 (29/0)	52 (51/1)	59 (58/1)	59 (28/31)	48 (32/16)	20 (20/0)
Agricultural Commercial	0	20 45	5	5 11	10	- 10 - 3	11
Other	0	•== 0	1	11	0	0	0
Modified Access (numbers of affected properties)	0	87	5	8	31	27	30
Residental	0	21	3	0	25	21	22
Agricultural	0	8	2	2		4	5
Commercial	0	58	0	4	2	2	3
Other	0	2	1	0	0	0	0
Cost							
Preliminary anticipated cost range (\$ millions)	0	\$418 - \$51.2	\$420 - \$513	\$324 - \$395	\$299 - \$365	\$337 - \$411	\$339 - \$415
Livable Delaware							
Consistency with State Strategies and local comprehensive plans ¹⁰	N/A	VERY POOR	FAIR	POOR	G00D	G00D	900D ¹⁰
Engineering	0		7				
Existing US 113/SR 1 length (miles)	12.2	12.2	1.7	6.4	9.9	9.9	11.1
Proposed US 113 off-slignment length (miles)	0.0	0.0	10.8	7.2	4.6	4.5	4.0
To tall length of alternative (miles)	12.2	12.2	12.5	13.6	14.5	14.5	15.1

- Public Comments to Date
 - Working Group favors East; requested Brown be evaluated
 - Greater Lincoln community opposes Green and Purple; favors Brown



- Discussions with the Agencies
 - September field view: agencies expressed concern regarding impacts to Herring Branch area
 - Wetland acreage impacted is somewhat greater than Green and Purple
 - Quality of wetlands and adjacent forest is higher than the wetland area impacted by Green and Purple; it forms one contiguous habitat



- September/October: DelDOT looked at options to move Brown out of the Herring Branch area
 - Moving Brown <u>south</u> would place it much closer to Lincoln than either Green or Purple
 - This was not considered viable



- September/October: DelDOT looked at options to move Brown out of the Herring Branch area
 - Moving Brown <u>north</u> would impact Central Parke, a 700+ unit development that is currently under construction



- Implications of impacting Central Parke:
 - Purchase the entire parcel in 2007: about \$30-35 million (including land, improvements, engineering, etc.) ... OR ...
 - Purchase about 100 homes after they are complete and relocate residents: about \$50-60 million, plus compensation for damages to community facilities
- DelDOT does not consider either of these options viable



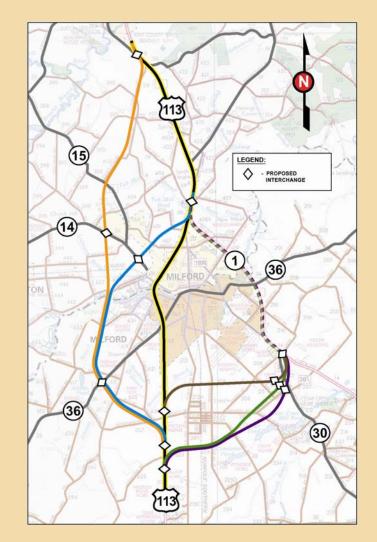
- November/December: DelDOT looked at options to keep Brown in the Herring Branch area, but reduce its impact
 - Narrower cross section
 - Removed or relocated ramps



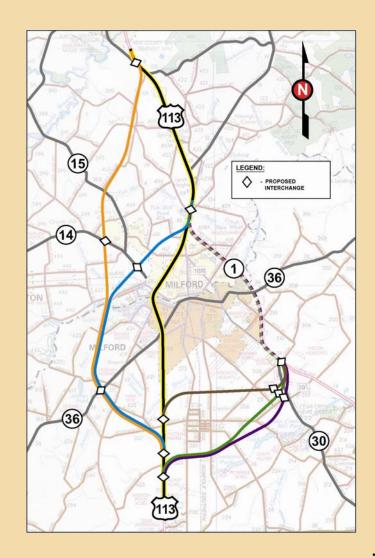
• December: The agencies indicated that even though the options considered reduced impacts in the Herring Branch area, the impacts for the Brown alternative remained greater than the Green and Purple alternatives.



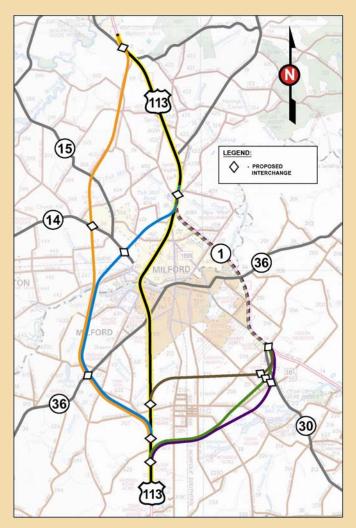
Because the East Bypass alternatives directly impact fewer and lower quality natural resources, they are considered less environmentally damaging alternatives than the West Bypass alternatives.



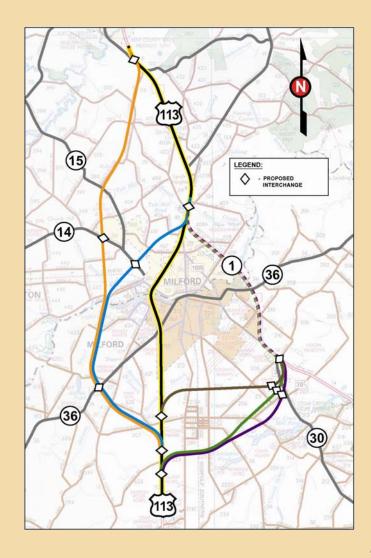
The environmental resource and regulatory agencies consider the East Bypass alternatives preferable to the West Bypass alternatives.



Because the Green and Purple alternatives directly impact fewer and lower quality natural resources, they are considered less environmentally damaging alternatives than the Brown alternative, which impacts and divides the higher quality wooded wetland and habitat complex around Herring Branch.



The environmental resource and regulatory agencies consider the Green or Purple alternatives preferable to the Brown alternative.



Milford Area Alternatives Summary

The Project Team believes that the agency comments are supported by the results of the environmental evaluation to date.



Comments/Discussion

Schedule

- Our goal is to identify a recommended preferred alternative, and circulate a Draft Environmental Impact Statement containing that alternative, in May 2007.
- To do so, we hope to secure your recommendation by April 11, 2007.

Schedule

	Milford Area		Georgetown-South Area	
Agencies	Working Groups/Workshops	Agencies	Working Groups/Workshops	
December 12		December 12		
January 11				
		January 25		
	January 31 WG			
		February 8	February 6 (Millsboro) and 8 (Georgetown) WGs	
		February 22		
	February 26 (Lincoln) and 27 (Milford) workshops to present update and brown alternative			
	March 7 WG			
March 14		March 14	March 12 (Millsboro) and 15 (Georgetown) workshops to discuss east-to-east alternative	
	March 21 WG			
			March 27 (Millsboro) and 29 (Georgetown) WGs	
		April 5		
	April 11 WG	-		
			May 1 (Millsboro) and 3 (Georgetown) WGs	
		May 10		
		•	May 29 (Millsboro) and 31 (Georgetown) WGs	
	June 11 and 12 public hearings	June 20		
			June 26 (Millsboro) and 28 (Georgetown) WGs	

INITIATE recommended preferred alternative discussion
CONTINUE recommended preferred alternative discussion
END recommended preferred alternative discussion

Next Steps

Working Group Meeting Dates:

- Wednesday, March 7
- Wednesday, March 21
- Wednesday, April 11

Next Steps

Public Meeting Dates:

- Public Workshops
 - Monday, February 26, Lincoln
 - Tuesday, February 27, Milford
- DEIS Public Hearings
 - Monday, June 11, Lincoln (TBD)
 - Tuesday, June 12, Milford (TBD)