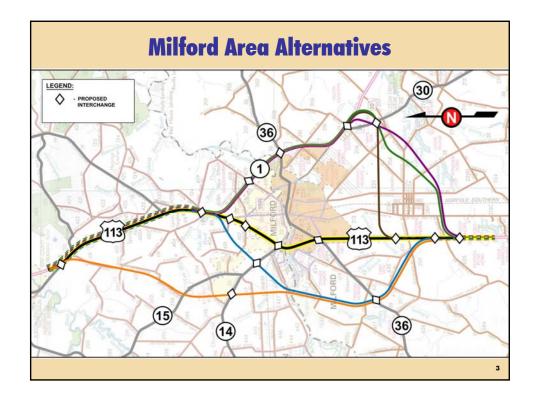
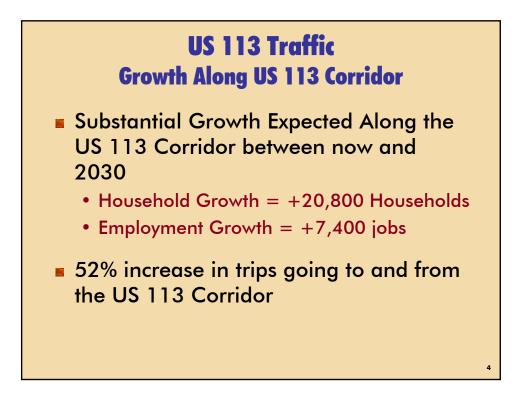
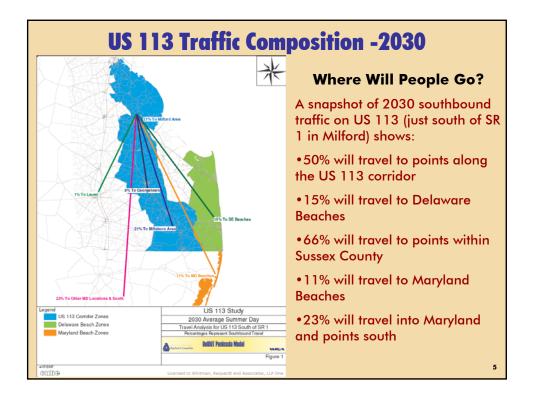
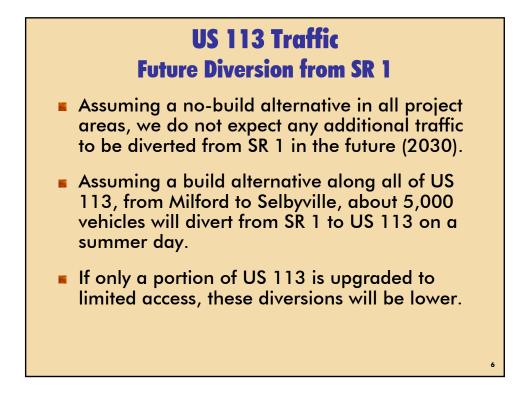


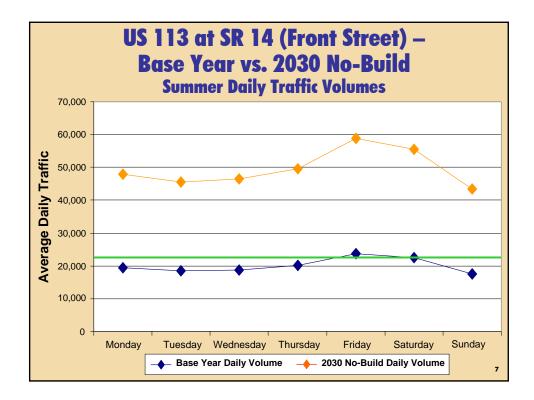
Agenda
Introduction
Alternatives Retained for Detailed Study
• No-Build
Traffic Conditions
 Safety
West Bypass Alternatives
On-Alignment Alternative
• East Bypass Alternatives
Discussion/Recommendation on a Recommended Preferred Alternative
Working Group Guidelines
Schedule/Next Steps
Thank You ²











US 113 Traffic - Milford Area Unsignalized Intersection Evaluation

Base Year

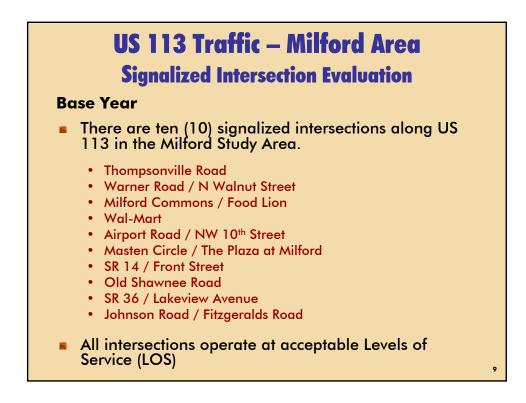
- There are twelve (12) unsignalized approaches to US 113 in the Milford Study Area, all operating acceptably (average delay of 22 seconds to cross or turn onto US 113).
- There are nine (9) unsignalized locations where motorists can turn left from US 113 onto a side street all operating acceptably (average delay of 15 seconds).

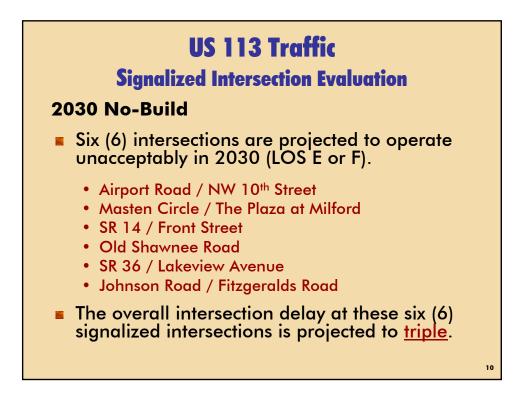
2030 No-Build

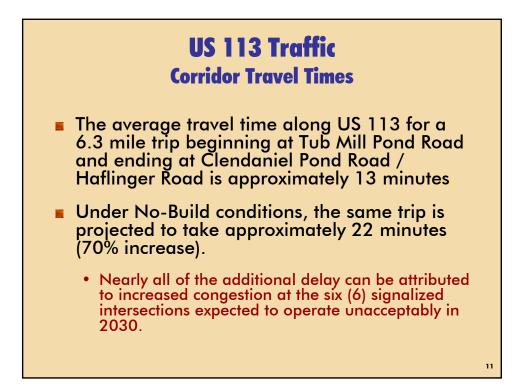
- Six (6) of the twelve unsignalized approaches to US 113 in the Milford Study Area will fail in the peak hour (approximately 2 minutes to cross or turn onto US 113).
- Three (3) of the nine unsignalized locations where motorist can turn left from US 113 onto a side street will fail in the peak hour (more than 2 minutes of delay).

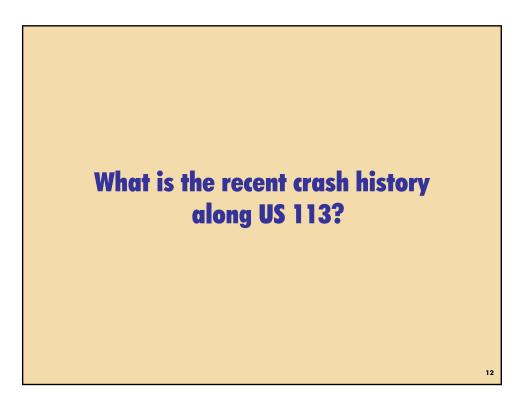
2030 Build

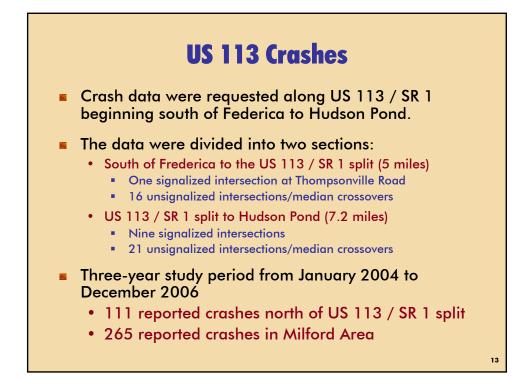
 All of the build alternatives would result in lower delay at all of the unsignalized intersections on US 113 in Milford than they experience in the Base Year.

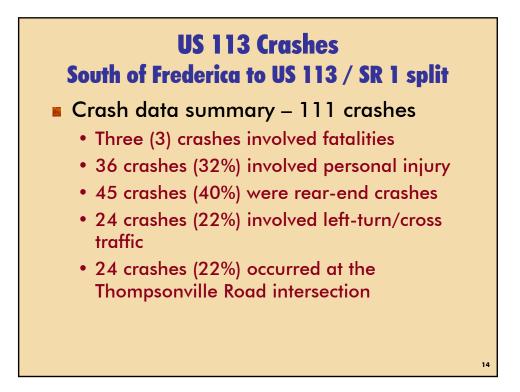


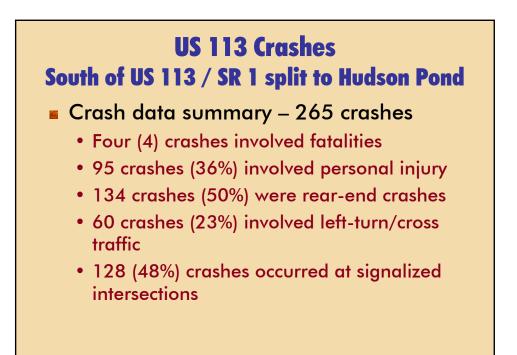












US 113 Crashes

204 crashes (77%) in the Milford Area were rear-end, left-turn, and angle crashes, types that would likely increase as congestion increases at signalized and unsignalized intersections. 15



Discussion on Recommended Preferred Alternative

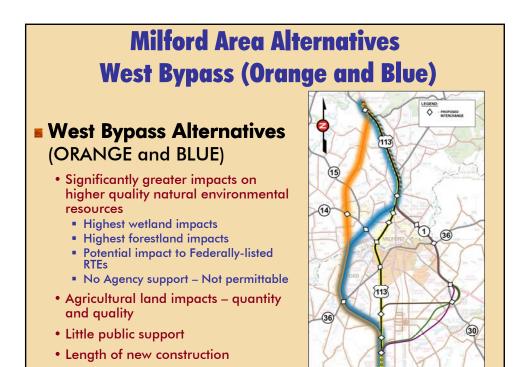
The No-Build Alternative does <u>NOT</u> provide a US 113 that accommodates planned economic growth in the Milford Area as well as anticipated growth in local, seasonal, and through traffic. The purpose of the project is to identify, select, and protect a corridor for the future so there is a solution available when transportation improvements are needed.

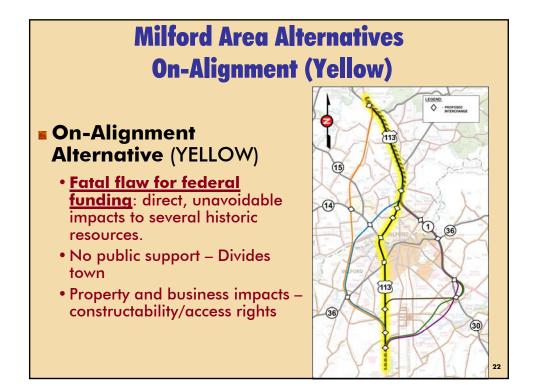
US 113 Traffic Milford Area No-Build Alternative

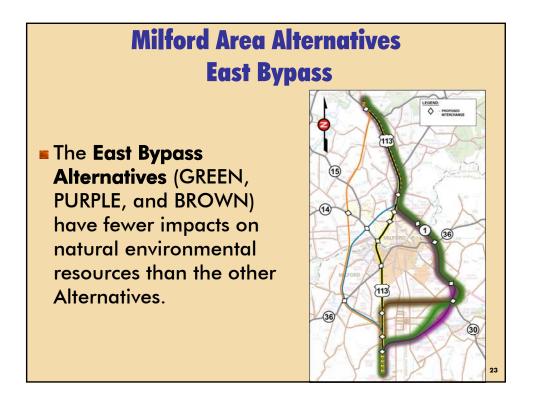
- The Secretary has serious concerns about a No-Build Alternative.
- The future of a No-Build Alternative along US 113 in the Milford Area will likely result in actions to address congestion and safety issues, such as closing crossovers, and prohibiting left turns.

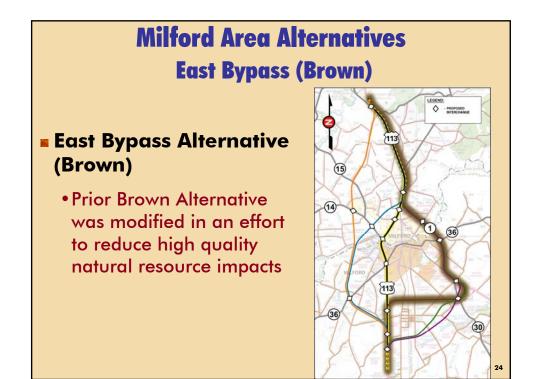
Discussion on Recommended Preferred Alternative

In addition to public input, DelDOT is required by Federal and State regulations, including the National Environmental Policy Act (NEPA), to consider all the consequences associated with the Alternatives Retained for Detailed Study, such as effects on the natural environment and cultural resources, along with socio-economic impacts. 19









Milford Area Alternatives East Bypass (Brown Modified)

 This project is guided by DelDOT's project development approach that the community deserves and the <u>Project</u> <u>Team should make all alternatives,</u> which meet Project Purpose and Need, the very best that they can be.

Milford Area Alternatives East Bypass (Brown Modified)

- The Brown Alternative was modified as follows:
 - Shifted the US 113 mainline alignment and reconfigured the interchange at SR 1 / US 30 / Johnson Road to reduce wetland impacts and avoid the power substation on Elks Lodge Road.
 - Reduced the new US 113 median from 58' to 12' from north of the Norfolk Southern Railroad to existing US 113.
 - Shifted the US 113 mainline alignment to minimize wetland impacts at Herring Branch.
 - Replaced directional ramps to and from existing US 113 and new US 113 to and from the north, in the Herring Branch area, with interchange ramps at Johnson Road.
 - Provided bridge crossings with 25' clearance over Herring Branch (just east of existing US 113) and two bridge crossings of Herring Branch tributaries/wetlands, i.e. just to east of upland grazing area and Old State Road crossing of tributary.
 - Cul-de-sac Old State Road at Herring Branch to create more of a barrier between Milford and Lincoln, as suggested by the community, in an effort to reduce sprawl.

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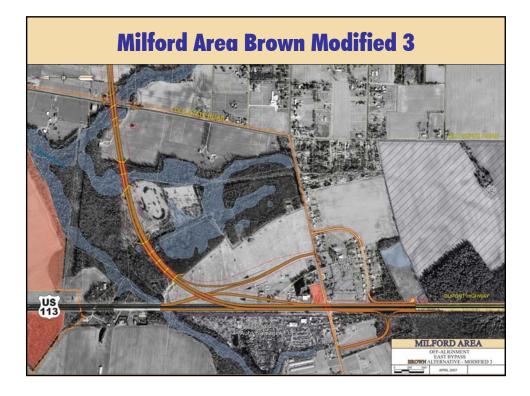




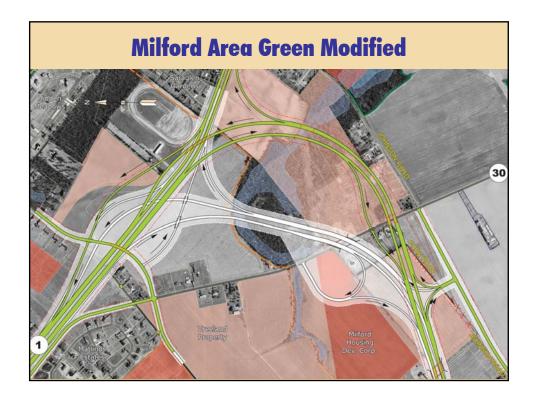


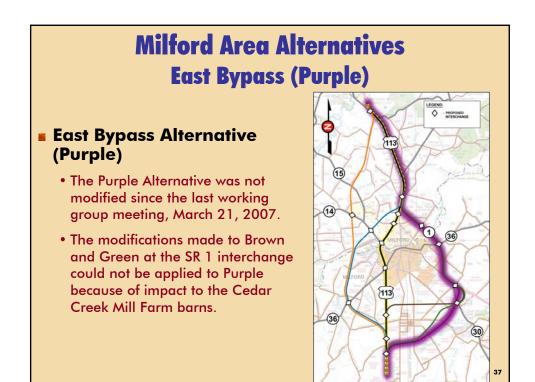


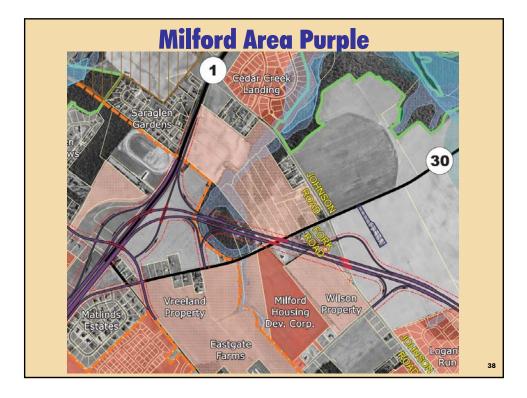












	Green Modified, Purple, and Brown Modified Comparison						
		Green Modified	Purple	Brown Modified 1	Brown Modified 2	Brown Modified 3	
Natur	al Resources						
	Wetlands (acres)	0.6	1.4	1.7	1.7	1.7	
	Waters of the US (linear feet)	684	376	586	586	586	
	Subaqueous lands (linear feet)	684	376	275	275	275	
	Forest land (acres, based on 2002 land use data)	15	18	22	23	22	
	Minimum Distance From Ponds	1,700′	550′	4,400′	4,400'	4,400'	
Histor	ic Resources						
	Number of historic properties within study area	2	3	6	6	6	
	Number of cemeteries	1	0	0	0	0	
Agricu	Itural Resources						
	Agricultural preservation easements (permanent)	3	5	3	3	3	
	(acres within properties)	31	33	12	12	12	
Prope	rty/Community Impacts						
	Properties affected (numbers of)	174	137	187	188	188	
	Properties affected (total acres)	446	403	462	466	466	
	Distance from "center" of Lincoln (traffic signal)	3,700′	4,660'	3,150′	3,150'	3,150′	
	Residences impacted by noise	239	303	233	233	233	
Access	Rights						
	Relocations	29	31	30	31	31	
	Residential	26	28	25	26	26	
	Agricultural	1	1	2	2	2	
	Commercial	2	2	3	3	3	
	Approved residential lots	31	15	0	0	0	
	Other (existing vacant lots)	21	9	18	18	18	
Cost				•	•	•	
	Preliminary anticipated cost range (\$ million)	\$276-338	\$292-356	\$383-469	\$336-427	\$351-438	

Green Modified, Purple, and Brown Modified Comparison

	US 11	3 - Cost Estimates (\$ Mi	llions)		
	Roadway	Structure	R.O.W.	Total	
Green Modified \$200-\$244		\$32-\$40	\$44-\$54	\$276-\$338	
Purple \$207-\$253		\$35-\$43	\$50-\$60	\$292-\$356	
Brown Modified 1 \$253-\$30		\$81-\$99	\$49-\$61	\$383-\$469	
Brown Modified 2 \$228-\$29		\$59-\$68	\$49-\$61	\$336-\$427	
Brown Modified 3 \$233-\$30		\$69-\$75 \$49-\$61		\$351-\$438	
		13 - Roadway and Struc Total Length (Miles)		res (Square Feet)	
Green Modified		14.8		169,975	
Purple		14.5		183,386	
Brown Modified 1		15.8		418,197	
		15.8		265,624	
Brown Modified 2		15:6		-	

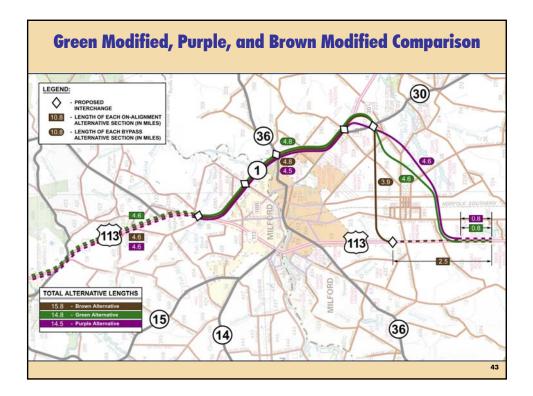
Discussion on Recommended Preferred Alternative **Resource Agency Feedback** Resource Agency conference call conducted March 26, 2007. Presented Brown Modified concept and potential alignment Resource Agency field view conducted March 28, 2007. **Reviewed Brown Modified concept and potential alignment** Agencies requested that the Project Team determine if interchange configuration at SR 1 / SR 30 can be applied to Green and Purple. Resource Agency meeting conducted April 5, 2007. Presented Brown Modified Alternative and reviewed impacts Agencies requested additional data, including a quantitative and qualitative summary of natural resource impacts. Resource Agency meeting conducted April 23, 2007. Presented Brown Modified Alternatives and reviewed impacts Revised alignment to avoid potential historical resources Provided displays and summary of impacts for three options Presented and reviewed quantitative and qualitative summary of natural resource impacts as compared to Green Modified and

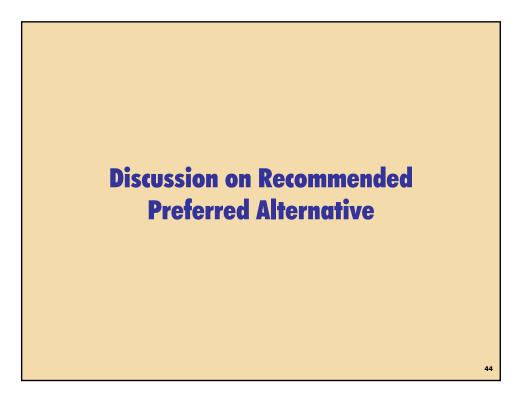
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Discussion on Recommended Preferred Alternative

Purple Alternatives.

- The Resource Agencies still believe the Green Modified Alternative is the Least Environmentally Damaging Alternative.
- The Resource Agencies have not yet seen significant enough social or cultural effects to offset the negative environmental impacts of the Brown Modified Alternative.





	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 t discuss east-to-east alternative		
	March 21 WG				
			March 27 (Millsboro) and 29 (Georgetown) WGs		
April 5		April 5			
			April 19 (Georgetown)		
April 23		April 23			
	April 25 WG				
			May 1 Millsboro WG and May 3 Georgetown WG		
		May 10			
			May 29 (Millsboro) and 31 (Georgetown) WGs		
		June 20			
			June 26 (Millsboro) and 28 (Georgetown) WGs		
	Fall Public Hearings - TBD		Winter Public Hearings - TBD		



THANK YOU

We would like to thank all the members of the Milford Area Working Group for their hard work and dedication during the past three years.