



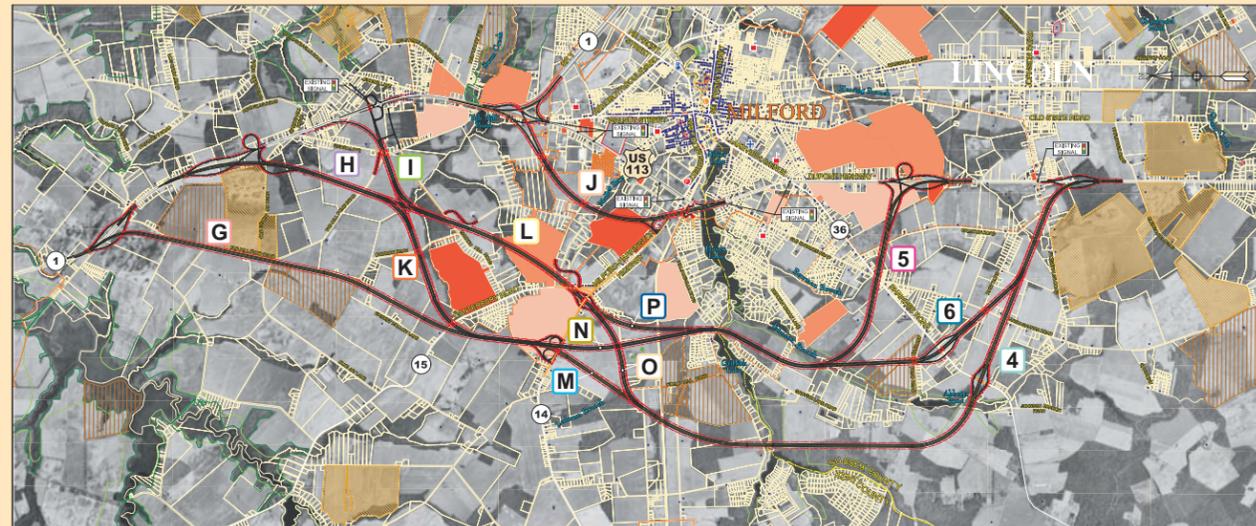
# PRELIMINARY WEST BYPASS ALTERNATIVES



## 113 US 113 North / South Study

### Description of Alternatives

- Most western bypass alternatives pass well west of Milford.
- Alternative alignments chosen to minimize natural resource impacts associated with ponds west of Milford.
- All alternatives include an interchange with SR 14.
- Alternatives 4 and 6 also include an interchange with SR 36.
- Alternative J forms a very close-in bypass of the Kent County portion of Milford.
- Public opinions:
  - "Requires too much new road."
  - Greater resource impacts than eastern bypass alternatives.
  - May encourage more development west of Milford.
- Length:
  - The existing length of US 113 in the study area is 11.2 miles.
  - Alternative J is 11.8 miles long, including 3.1 miles of new highway.
  - The other western alternatives vary in length from 12.3 to 14.5 miles, including between 8.3 and 11.5 miles of new highway.



### Working Group Recommendations

#### WEST ALTERNATIVES

- There was consensus among the Working Group members to recommend to DeIDOT that Alternatives I, J, L, M, O, P, 4, and 5 NOT be retained for further consideration.
- There was consensus among the Working Group members to recommend to DeIDOT that Alternatives GN6 and HKN6 be retained for detailed study.

### Western Bypass Conclusions

- All western bypasses appear to be effective in reducing traffic on US 113 in Milford.
- All except J have substantial resource impacts compared to the eastern bypasses.
- Of the 51 public comments received on the western bypasses at the last workshop, 38 were negative. Few were directed toward specific alternatives.

### Impact Comparison of Alternatives

#### Engineering

Considerations	No-Build	G	M	4	GN5	GN	GN	HKM4	HKN5	HKN	HLO4	HL	J								
Existing SR 1 length (miles)	4.8	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	
Existing US 113 length (miles)	7.2	1.4	2.8	1.4	1.4	2.8	1.4	1.4	2.8	1.4	1.4	2.8	1.4	1.4	2.8	1.4	1.4	2.8	1.4	4.8	
Proposed US 113 off-alignment length (miles)	0.0	11.5	9.8	10.5	11.1	9.3	10.2	11.1	8.8	9.8	10.1	8.3	9.2	10.0	7.8	8.7	8.7	8.7	8.7	3.1	
Total length of alternative (miles)	11.2	12.9	12.4	12.0	13.7	13.2	12.8	13.8	12.7	12.3	14.5	14.1	13.6	14.4	13.5	13.1	13.1	13.1	13.1	11.7	
Existing US 113 converted to service roads (miles)	0.0	3.3	3.3	3.3	1.3	1.1	0.9	0.7	1.1	0.9	0.7	1.1	0.9	0.7	1.1	0.9	0.7	0.7	0.7	0.7	
Property Impacts																					
Properties affected (number of)	0	88	82	75	91	80	73	97	95	91	79	72	86	88	89	83	82	82	82	52	
Properties affected (total acres)	0	480	398	441	485	404	447	483	388	431	413	333	376	409	333	307	307	307	307	140	
Access Rights																					
Denial of Access (number of affected properties)	0	27	39	26	32	44	31	42	55	42	23	35	22	33	46	33	27	27	27	27	
Residential		17	31	19	18	30	18	22	37	25	16	30	18	22	37	25	20	20	20	20	
Agricultural		5	3	2	8	6	5	9	7	6	3	1	0	4	2	1	0	0	0	0	
Commercial		5	5	5	3	3	3	6	6	6	4	4	4	4	7	7	5	5	5	5	
Industrial		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mutual Access (number of affected properties)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Residential		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Agricultural		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Commercial		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Industrial		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

#### Environmental

Considerations	No-Build	G	M	4	GN5	GN	GN	HKM4	HKN5	HKN	HLO4	HL	J								
Wetlands and Waters of the US																					
Wetlands (acres)	0	13	8	9	17	12	12	19	16	17	16	11	12	18	15	12	12	12	12	3	
Waters of the US (linear feet)	0	2,800	3,100	1,700	3,400	3,800	3,400	4,800	4,800	3,200	3,200	3,800	2,200	4,400	4,400	2,200	2,200	2,200	2,200	1,800	
Historic and Archeological Resources																					
Number of Known Historic Buildings, Structures, Objects, and Districts	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0	
Number of Known Archeological Sites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Number of Potential Significant Archaeological Sites - currently being evaluated	0	21	16	17	24	20	16	29	26	22	20	16	20	26	26	20	26	26	26	7	
Number of Potential Significant Archaeological Sites - currently being evaluated	0	2	0	1	3	1	3	3	1	3	3	2	3	1	3	1	3	3	1	2	
Number of Commentaries	0	2	1	2	3	2	3	3	2	3	3	2	3	1	0	1	1	0	1	0	
Section 601 Properties																					
Number of Public-Owned Parks and Recreation Areas	0	4	1	1	4	1	1	4	1	1	4	1	1	4	1	1	4	1	1	3	
Number of Public-Owned Wildlife and Waterfowl Refuges	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Number of Historic Properties - same as number of Known Historic Buildings, Structures, Objects, and Districts	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0	
Section 602 Properties																					
Properties purchased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
Area (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
Rare, Threatened and Endangered Species																					
Number of Rare, Threatened and Endangered Species Area (acres)	0	TBD																			
Other Considerations																					
Agricultural Districts (Ten-Year) (number of properties)	0	3	3	5	0	0	0	2	2	2	2	2	1	1	3	3	3	3	5	0	
Area (acres within properties)	0	23	23	23	0	0	0	10	37	37	37	2	2	2	39	39	39	39	39	0	
Agricultural Preservation Easements (Permanent) (number of properties)	0	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	
Area (acres within properties)	0	16	13	16	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
Foreward 2002 Land Use (acres)	0	83	80	72	98	81	88	109	98	105	92	75	82	103	92	52	52	52	23	23	
State Forest Lands	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Note: Waters of the US are calculated only for the Sussex County portion of all alternatives.