

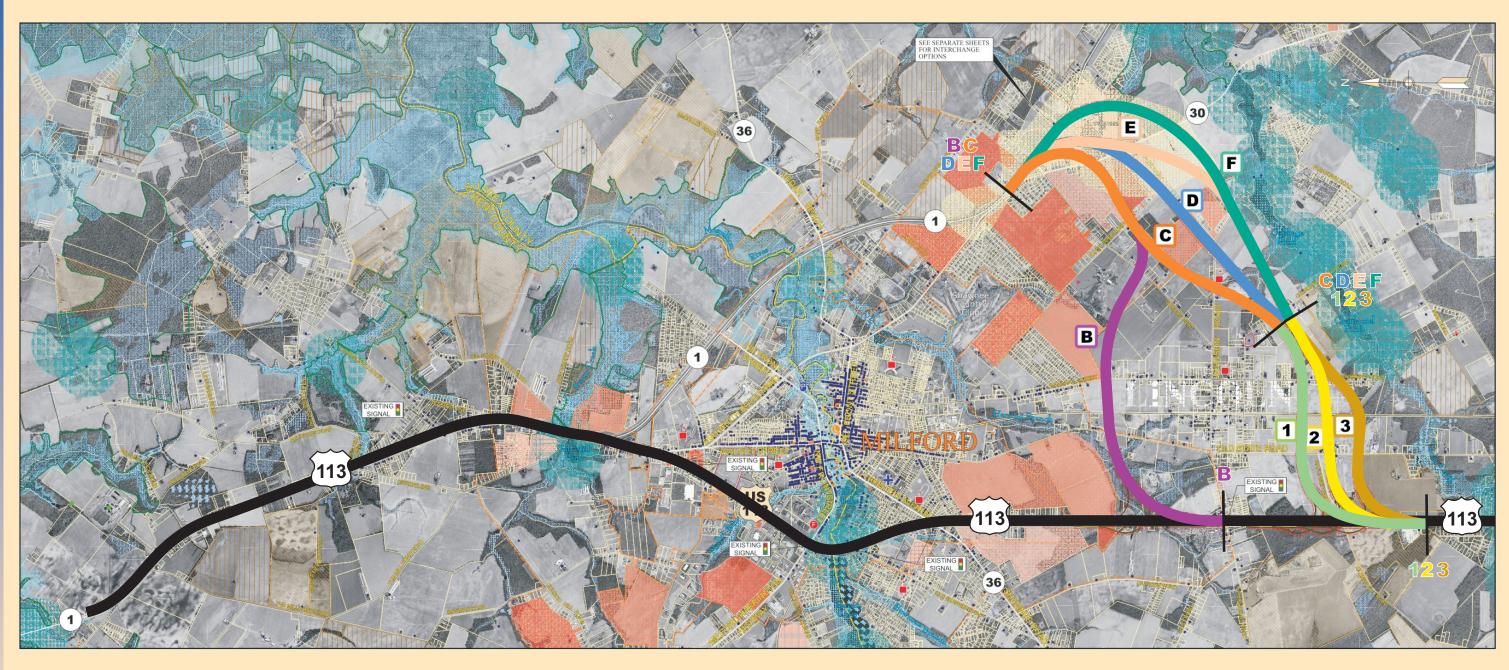
ALTERNATIVES / IMPACTS / WORKING GROUP RECOMMENDATIONS



US 113 North / South Study

May / June 2005

Milford Area - Preliminary East Bypass Alternatives





ALTERNATIVES / IMPAGTS / WORKING GROUP RECOMMENDATIONS



US 113 North / South Study

May / June 2005

Milford Area - Preliminary East Bypass Alternatives

Description of Alternatives

- Alternative B passes north of Lincoln.
- Alternatives C-F and 1-3 pass south of Lincoln.
- Each has an interchange (or interchanges) with SR 1 and SR 30 at the northeast end, and with US 113 at the southwest end.
- Each includes the addition of a third lane in each direction on the existing Milford bypass.
- Public opinions:
 - Take advantage of existing Milford bypass.
 - Eastern bypasses have fewer resource impacts than western.
 - Needs to be coordinated with extensive development in progress.
- Length:
 - The existing length of US 113 in the study area is 11.2 miles.
 - Alternative B is 14.7 miles long.
 - Alternatives C through F vary from 13.6 to 14.2 miles long.
 - Each eastern bypass alternative includes between 4.0 and 4.7 miles of new highway.

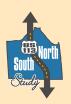
Working Group Recommendations

EAST ALTERNATIVES

- There was consensus among the Working Group members to recommend to DelDOT that Alternatives B, C, F, 1 and 3 NOT be retained for further consideration.
- There was consensus among the Working Group members to recommend to DelDOT that Alternatives D2 and E2 be retained for detailed study with the additional recommendation to adjust the alignment of D and E to minimize impacts and to adjust 2 in the direction of 3 as necessary to minimize impacts.

Eastern Bypass Conclusions

- All eastern bypasses will reduce traffic on US 113 in Milford.
- All have limited resource impacts compared to the western bypasses.
- Alternative B is longer and affects more aquatic resources than Alternatives C through F.
- Of the 84 public comments received on the eastern bypasses at the last workshop, 57 were positive. Sections F and 3 received the most public support, C and 1 the least.



ALTERNATIVES / IMPACTS / WORKING GROUP RECOMMENDATIONS

113

US 113 North / South Study

May / June 2005

Milford Area - Impact Comparison of Preliminary East Bypass Alternatives Engineering

Considerations	No-Build	В	C 1	C 2	C 3	D 1	D 2	D 3	E 1	E 2	E 3	F 1	F 2	F 3
Existing SR 1 length (miles)	4.0	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.6	8.6	8.6
Existing US 113 length (miles)	7.2	2.4	1.1	0.9	0.8	1.1	0.9	0.8	1.1	0.9	0.8	1.1	0.9	0.8
Proposed US 113 off-alignment length (miles)	0.0	4.0	4.3	4.4	4.5	4.4	4.4	4.5	4.5	4.6	4.7	4.5	4.6	4.7
Total length of alternative (miles)	11.2	14.7	13.8	13.7	13.6	13.9	13.8	13.7	14.0	13.8	13.8	14.2	14.1	14.0
Existing US 113 converted to service roads (miles)	0.0	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
Property Impacts														
Properties affected (numbers of)	0	109	101	114	125	81	93	107	94	108	118	94	109	118
Properties affected (total acres)	0	265	270	272	276	259	260	264	246	248	252	255	257	262
Access Rights														
Denial of Access (numbers of affected properties)	0	6	2	2	2	2	2	2	2	2	2	2	2	2
Residential		1	0	0	0	0	0	0	0	0	0	0	0	0
Agricultural		2	2	2	2	2	2	2	2	2	2	2	2	2
Commercial		3	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
Modified Access (numbers of affected properties)	0	110	78	73	67	78	73	67	78	73	67	78	73	67
Residential		100	75	71	67	75	71	67	75	71	67	75	71	67
Agricultural		6	2	1	0	2	1	0	2	1	0	2	1	0
Commercial		4	1	1	0	1	1	0	1	1	0	1	1	0
Industrial		0	0	0	0	0	0	0	0	0	0	0	0	0



ALTERNATIVES / IMPACTS / WORKING GROUP RECOMMENDATIONS

113

US 113 North / South Study

May / June 2005

Milford Area - Impact Comparison of Preliminary East Bypass Alternatives Environmental

Considerations	No-Build	В	C 1	C 2	C 3	D 1	D 2	D 3	E 1	E 2	E 3	F 1	F 2	F 3
Wetlands and Waters of the US														
Wetlands (acres)	0	8	4	4	5	3	3	3	5	5	5	4	4	4
Waters of the US (linear feet) ¹	0	4,300	2,700	2,700	3,000	2,500	2,500	2,900	1,800	1,800	2,100	1,500	1,500	1,800
Historic and Archeological Resources														
Number of Known Historic Buildings, Structures, Objects, and Districts	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Known Archeological Sites	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Potentially Historic Buildings, Structures, Objects, and Districts - currently being evaluated	0	6	9	14	14	7	12	12	11	16	14	11	16	14
Number of Potentially Significant Archeological Sites - currently being evaluated	0	1	0	0	0	0	0	0	1	1	1	1	1	1
Number of Cemeteries	0	1	2	1	0	3	2	1	2	2	1	2	2	1
Section 4(f) Properties														
Number of Publicly-Owned Parks and Recreation Areas	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of Publicly-Owned Wildlife and Waterfowl Refuges	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 (above)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Section 6(f) Properties														
Properties purchased by Land & Water Conservation Fund (LWCF) (number)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Area (acres)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rare, Threatened and Endangered Species														
Potential Rare, Threatened and Endangered Species Areas (acres)	0	TBD												
Other Considerations														
Agricultural Districts (Ten-Year) (number of properties)	0	0	1	1	1	1	1	1	1	1	1	0	0	0
(acres within properties)	0	0	15	15	15	15	15	15	15	15	15	0	0	0
Agricultural Preservation Easements (Permanent) (number of properties)	0	1	3	3	2	3	3	2	2	3	2	2	3	2
(acres within properties)	0	13	7	15	41	7	15	41	7	15	28	7	15	28
Forestland: 2002 Land Use (acres)	0	38	34	30	22	38	33	25	22	20	19	17	15	14
State Forest Lands	0	0	0	0	0	0	0	0	0	0	0	0	0	0