



ALTERNATIVE RETAINED FOR DETAILED STUDY - GREEN ALTERNATIVE (EAST BYPASS)



113 US 113 North / South Study

DESCRIPTION OF THE GREEN ALTERNATIVE

The Green Alternative begins at the existing split between SR 1 and US 113. It follows the existing SR 1 bypass of Milford as far south as Wilkins Road, including the addition of one lane in each direction to existing SR 1 in this area. (An interchange is proposed at NE Front Street as part of a separate project.) The alignment then curves to the south, with adjacent interchanges with SR 1 and SR 30. The alignment continues to the southwest, north of and roughly parallel to Johnson Road. It crosses Johnson Road just west of Cabbage Pond Road, continuing southwest, south of Lincoln. It crosses Greentop Road and curves to the west, bridging over Greentop Road, the railroad, and Old State Road, tying into US 113 just south of Hafflinger Road at a full interchange.



NATURAL ENVIRONMENT

Advantages

- Lowest wetland impacts
- Wetland impacts to only small medium quality systems on unnamed tributary to Cedar Creek and unnamed tributary to Cabbage Pond
- Low State Natural Area and Resource Area impacts
- Low Waters of the US impacts
- Low potential Federally listed RTE impacts
- Low forest impacts
- Moderate agricultural impacts
- No potential effect on wellhead protection areas
- No potential effect on excellent groundwater recharge areas
- Low potential effect on good groundwater recharge zones

Disadvantages

- Extends parallel, for some distance, to Cabbage and Clendaniel Ponds

CULTURAL RESOURCES

Advantages

- No direct impacts to National Register of Historic Places architectural properties
- Low potential indirect effects on National Register of Historic Places architectural properties (approximately 3 properties)
- Low impact to areas with potential high and moderate sensitivity for early historic-period archeological resources
- Lowest impact to areas with potential high and moderate sensitivity for prehistoric archeological resources

Disadvantages

- Impacts a known archeological site

COMMUNITY / ENGINEERING / TRAFFIC

Advantages

- Low number of affected properties
- Moderate acres of affected properties
- Takes advantage of existing SR 1 - shorter length of construction on new alignment
- Good consistency with Livable Delaware
- Lowest cost alternative
- Low impact to existing businesses
- No school properties would be directly impacted
- All existing roads remain open, passing over or under the alternative
- A moderate number of existing residential properties (28) and farm properties (9) would be acquired
- Access would be modified for a low number of commercial properties (2) and a moderate number of farm properties (5)
- A low number of businesses (3) would be acquired
- Moderate number of existing communities (8) are within 900 feet of the Green Alternative (4 are along existing SR 1)
 - Blueberry Hill
 - Lincoln Village
 - Hudson Mill
 - Woods Haven
 - Meadows at Shawnee
 - Knollac Acres II
 - Matlinds Estates
 - Hudson Pond Acres
- 3 commercial properties would be acquired

Disadvantages

- Opposed by Greater Lincoln Community
- Proximity to Lincoln community
- Impacts to Greentop community
- Greater overall length than On-Alignment and West Bypass Alternatives
- A high number of existing residential properties (601) and farm properties (82) lie within 900 feet of the centerline. Note: 418 residential properties and 34 farm properties are located along SR 1
- The Christian Tabernacle and the Pentecostal Church of God are located within 900 feet of the Green Alternative
- The greatest number of vacant lots (31) in approved subdivisions would be acquired
- Access to a large number of residential properties (27), would be modified

RESOURCE & REGULATORY AGENCY COMMENTS

Because the East Bypass Alternatives directly impact less 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 less 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 and Purple Alternatives preferable to the Brown Alternative.

The Green and Purple Alternatives have less potential to affect historic buildings than the On-Alignment and West Bypass Alternatives.

The Green and Purple Alternatives are generally less likely to affect areas with a higher probability to contain prehistoric archeological sites than the On-Alignment, West Bypass, and Brown Alternatives.

PUBLIC COMMENTS TO DATE

- Working Group favors the East Bypass Alternatives and requested the Brown Alternative be evaluated.
- Greater Lincoln Community favors the Brown Alternative and opposes the Green and Purple Alternatives.

Comparison of Retained Alternatives

	North	Green	Orange	Blue	Purple	Brown
Length (miles)	2.1	2.1	2.1	2.1	2.1	2.1
Number of affected properties	28	28	28	28	28	28
Acres of affected properties	150	150	150	150	150	150
Number of businesses	3	3	3	3	3	3
Number of farm properties	9	9	9	9	9	9
Number of residential properties	28	28	28	28	28	28
Number of vacant lots	31	31	31	31	31	31
Number of archeological sites	1	1	1	1	1	1
Number of historic buildings	0	0	0	0	0	0
Number of wetlands	1	1	1	1	1	1
Number of State Natural Areas	0	0	0	0	0	0
Number of Waters of the US	1	1	1	1	1	1
Number of forest acres	10	10	10	10	10	10
Number of agricultural acres	100	100	100	100	100	100
Number of wellhead protection areas	0	0	0	0	0	0
Number of groundwater recharge areas	1	1	1	1	1	1
Number of groundwater recharge zones	1	1	1	1	1	1
Number of historic landmarks	0	0	0	0	0	0
Number of National Register of Historic Places properties	3	3	3	3	3	3
Number of National Register of Historic Places architectural properties	3	3	3	3	3	3
Number of National Register of Historic Places archeological resources	1	1	1	1	1	1
Number of National Register of Historic Places prehistoric archeological resources	1	1	1	1	1	1
Number of National Register of Historic Places historic landmarks	0	0	0	0	0	0
Number of National Register of Historic Places historic districts	0	0	0	0	0	0
Number of National Register of Historic Places historic structures	0	0	0	0	0	0
Number of National Register of Historic Places historic sites	0	0	0	0	0	0
Number of National Register of Historic Places historic objects	0	0	0	0	0	0
Number of National Register of Historic Places historic areas	0	0	0	0	0	0
Number of National Register of Historic Places historic districts	0	0	0	0	0	0
Number of National Register of Historic Places historic structures	0	0	0	0	0	0
Number of National Register of Historic Places historic sites	0	0	0	0	0	0
Number of National Register of Historic Places historic objects	0	0	0	0	0	0
Number of National Register of Historic Places historic areas	0	0	0	0	0	0
Number of National Register of Historic Places historic districts	0	0	0	0	0	0
Number of National Register of Historic Places historic structures	0	0	0	0	0	0
Number of National Register of Historic Places historic sites	0	0	0	0	0	0
Number of National Register of Historic Places historic objects	0	0	0	0	0	0
Number of National Register of Historic Places historic areas	0	0	0	0	0	0