

Wetland Descriptions

Alternative Access 1

The wetland crossing at this access will alter, approximately, 1937 square feet of Wooded Deciduous Swamp. The primary vegetation that would be removed is comprised of the following species:

Wetland

2 Red Maple trees	<i>Acer rubrum</i>
European Buckthorn	<i>Rhamnus frangula</i>
Winterberry	<i>Ilex verticillata</i>
Swamp Azalea	<i>Azalea viscosum</i>
Cinnamon Fern	<i>Osmunda cinnamomea</i>

Upland

2 White Pine trees	<i>Pinus strobus</i>
1 Pignut Hickory	<i>Carya glabra</i>
1 Red Oak	<i>Quercus rubra</i>
1 Black Birch	<i>Betula lenta</i>

The only wetland resource that would be impacted is Bordering Vegetated Wetland. There would be full replication of this resource area.

Alternative Access 2

The wetland crossing at this alternative would alter, approximately, 2301 square feet of Wooded Deciduous Swamp. The primary vegetation which would be removed consists of the following species:

Wetland

1 large Red Maple	<i>Acer rubrum</i>
Winterberry	<i>Ilex verticillata</i>
Cinnamon Fern	<i>Osmunda Cinnamomea</i>
Jewelweed	<i>Impatiens capensis</i>
Skunk Cabbage	<i>Symplocarpus foetidus</i>
Poison Ivy	<i>Toxicodendron radicans</i>

Upland

White Pine	<i>Pinus strobus</i>
Black Birch	<i>Betula lenta</i>
Oriental Bittersweet	<i>Celastrus orbiculatus</i>

The wetland resources which would be impacted are Bordering Vegetated Wetland, Bank and Land Under a Waterway. There would be full replication of the Bordering Vegetated Wetland.

Alternative Access 3

The wetland crossing at this alternative would alter, approximately, 6825 square feet of Wooded Deciduous Swamp. There would be significant alteration of Bordering Vegetated Wetland, Bank and Land Under a Waterway.

This alternative is not a viable option. When any wetland alteration is proposed, the Applicant must look at alternatives. The Department of Environmental Protection would require that the alternative with the least amount of impact be utilized. Further, this proposed alternative requires such a large wetland alteration that both a U.S. Army Corps of Engineers permit and a Water Quality Certificate would need to be required. These permits both require the Applicant to make use of crossings with lesser impacts to the wetland. Therefore, the Applicant would most likely be unable to get all of the necessary permits for this alternative access.

Proposed Wetland Replication Area

The proposed wetland replication area is currently vegetated by a White Pine stand. All of the vegetation will have to be removed in order to construction the replication area. This will result in the removal of the following trees:

8 White Pines	<i>Pinus strobus</i>
1 Red Oak	<i>Quercus rubra</i>
1 White Oak	<i>Quercus alba</i>
4 small Black Birch	<i>Betula lenta</i>

There are very few shrubs and the herbaceous layer consists of an escaped groundcover.