



US Army Corps  
Of Engineers  
Wilmington District

# PUBLIC NOTICE

Issue Date: October 26, 2007  
Comment Deadline: November 26, 2007  
Corps Action ID #:2004-01203  
TIP Project No. R-0623

The Wilmington District, Corps of Engineers (Corps) has received an application from the **North Carolina Department of Transportation (NCDOT)** regarding a potential future requirement for Department of the Army authorization **to discharge dredged or fill material into waters of the United States** associated with **construction of NC 24/27 Troy Bypass from NC 24/27 1,500 feet west of the intersection of SR 1138 (Dairy Road) and SR 1550 (Saunders Road) to existing four-lane, divided section just east of Little River, Montgomery County, North Carolina.**

Specific alternative alignments and location information are described below and shown on the attached plans. This Public Notice and all attached plans are also available on the Wilmington District Web Site at [www.saw.usace.army.mil/wetlands](http://www.saw.usace.army.mil/wetlands)

**Applicant:** North Carolina Department of Transportation (NCDOT)  
c/o Dr. Gregory J. Thorpe, PhD, Manager  
Project Development and Environmental Analysis Branch  
1548 Mail Service Center  
Raleigh, North Carolina, 27699-1548

## Authority

The Corps will evaluate this application to compare alternatives that have been carried forward for study pursuant to applicable procedures under Section 404 of the Clean Water Act (33 U.S.C. 1344).

In order to more fully integrate Section 404 permit requirements with the National Environmental Policy Act of 1969, and to give careful consideration to our required public interest review and 404(b)(1) compliance determination, the Corps is soliciting public comment on the merits of this proposal and on the alternatives evaluated in the Federal Highway Administration (FHWA)/NCDOT Environmental Assessment (EA). At the close of this comment period, the District Commander will evaluate and consider the comments received as well as the expected adverse and beneficial effects of the proposed road construction to select the least environmentally damaging practicable alternative (LEDPA). The District Commander is not authorizing the NC 24/27 improvement project at this time. A final Department of the Army permit could be issued, if at all, only after our review process is complete, impacts to the aquatic environment have been minimized to the

maximum extent practicable and a compensatory mitigation plan for unavoidable impacts has been approved.

### **Location**

The proposed 6 mile NC 24/27 highway improvement project begins at NC 24/27 1,500 feet west of the intersection of SR 1138 (Dairy Road) and SR 1550 (Saunders Road) and extends to the existing four-lane, divided section just east of Little River, Montgomery County, North Carolina. The proposed project is located in adjacent wetlands and tributaries that are hydrologically connected to the Pee Dee River. The project is more specifically located starting at Latitude 35.3321 N, Longitude 79.9317 W and ending at Latitude 35.3561, Longitude 79.8494.

### **Background**

On January 17, 2007, the NC Department of Transportation (NCDOT) completed and circulated for public review, an Environmental Assessment (EA) for the proposed TIP R-0623 project, State Project Number 8.T551001. The social, economic, and environmental impacts associated with potential build alternatives for R-0623 have been described in the above referenced environmental document.

The FHWA/NCDOT EA for R-0623 is available for review at the Wilmington Regulatory Field Office of the Wilmington District U.S. Army Corps of Engineers, 69 Darlington Avenue, Wilmington, North Carolina, or at the North Carolina Department of Transportation, Project Development and Environmental Analysis Branch, Transportation Building, 1 South Wilmington Street, Raleigh, North Carolina.

### **Existing Site Conditions**

The project is located within the Piedmont Physiographic Province in the Yadkin-Pee Dee River subbasin 03-07-15, USGS 8-digit hydrological unit 03040104. The project area encompasses approximately 8.8 square miles. The Biotic resources surrounding the project area are indicative of a rural setting, with agriculture and forestlands accounting for the majority of land uses. Topography is characterized as gently sloping hills, interrupted by floodplains with gentle to steep areas occurring along drainage ways. The study area also includes relatively low mountains including South Mountain and the Uwharrie Mountains. Elevations range from approximately 400 to 690 feet above mean sea level (msl).

Jurisdictional waterways within the project area include the Little River, Warner Creek, Turkey Creek, and unnamed tributaries to these waterways. The jurisdictional wetlands that may be impacted by the proposed project are palustrine, forested broad-leaved, deciduous wetlands which include bottomland hardwood, headwater ,and seep type wetlands.

## **Applicant's Stated Purpose**

The purpose of the proposed highway is to increase safety and to provide additional capacity for NC 24/27 traffic which will reduce the impacts of through-traffic and heavy trucks in downtown Troy.

## **Project Description**

The following description of the work is taken from data provided by the applicant. Four alternatives are being considered for the proposed project and are shown on Figure 1. The project involves the construction of approximately six miles of new four-lane divided partial control of access roadway extending from NC 24/27, just west of the intersection of SR 1138 (Dairy Road) and SR 1550 (Saunders Road), to the existing four-lane divided highway just east of the Little River. The impacts, including streams and wetlands impacts, of the four alternatives being considered are described in the attached tables and shown on Figure 3.

## **Cultural Resources**

The Corps has consulted the latest published version of the National Register of Historic Places (NRHP) and is not aware that any registered properties, or properties listed as being eligible for inclusion therein are located within the project area or will be affected by the proposed work. However, based on information provided by the applicant, there are five properties within the project study area that would be eligible for listing in the NRHP and two of these properties may be affected by Alternative E. The applicant has proposed access restrictions in the vicinity of the eligible properties to eliminate any adverse effects that might result from the proposed project if alternative E is selected.

## **Endangered Species**

The Corps has reviewed the project area, examined all information provided by the applicant and consulted the latest North Carolina Natural Heritage Database. Five federally protected species are listed as occurring within Montgomery County. Based on available information, the Corps has determined pursuant to the Endangered Species Act (ESA) of 1973, that Alternative B of the proposed project may have an effect on the federally listed Schweinitz's sunflower, which is found within the proposed project area. Furthermore, the Corps has determined that the project would not affect any other species listed as threatened or endangered or their critical habitat identified under the ESA. A final determination of the effects of the proposed project will be made upon additional review of the project and completion of any necessary biological assessment and/or consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service.

## **Evaluation**

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That

decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values (in accordance with Executive Order 11988), land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. For activities involving the discharge of dredged or fill materials in waters of the United States, the evaluation of the impact of the activity on the public interest will include application of the Environmental Protection Agency's 404(b)(1) guidelines.

### **Commenting Information**

The Corps of Engineers is soliciting comments from the public; Federal, State and local agencies and officials, including any consolidate state viewpoint or written position of the Governor; Indian Tribes and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to select the least environmentally damaging practicable alternative (LEDPA). To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects and the other public interest factors listed above. Comments are used in the preparation of a Corps of Engineers Environmental Assessment (EA) and/or an Environmental Impact Statement (EIS) pursuant to the National Environmental Policy Act (NEPA). Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Written comments pertinent to the proposed work, as outlined above, will be received by the Corps of Engineers, Wilmington District, until 5pm, November 26, 2007. Comments should be submitted to Mr. Richard K. Spencer, Wilmington Regulatory Field Office, P.O. Box 1890, Wilmington, North Carolina 28402-1890.

**Table 1. Summary of Impacts**

EVALUATION FACTOR	ALTERNATIVES			
	B	C	D	E
<b>CONSTRUCTION FACTORS</b>				
Mainline Length (miles)	5.83	5.81	6.09	6.31
Intersections	9	9	8	8
Railroad Crossings	0	0	0	0
<b>Construction Cost</b>	44,700,000	45,200,000	52,500,000	45,200,000
<b>Right of Way Cost</b>	4,400,000	4,300,000	4,000,000	4,000,000
<b>Total Cost</b>	49,100,000	49,500,000	56,400,000	49,200,000
<b>SOCIOECONOMIC FACTORS</b>				
Residential Relocations	13	12	9	9
Business Relocations	10	10	10	10
Non-profit relocations	1	1	1	1
Schools/Parks Impacted	0/0	0/0	0/0	0/0
Churches/Cemeteries Displaced	0/0	0/0	0/0	0/0
Receptors Impacted by Noise	29	29	18	17
<b>INFRASTRUCTURE FACTORS</b>				
Major Utility Line Crossings – High KVA Powerline	2 Towers	1 Tower	2 Towers	2 Towers
Natural Gas Line Crossings	0	0	0	0
Sewer/Water Line Crossings	1	1	1	1
<b>CULTURAL RESOURCE FACTORS</b>				
Potential Archaeological Sites <sup>1</sup>	TBD	TBD	TBD	TBD
Recorded Archaeological Sites <sup>1</sup>	TBD	TBD	TBD	TBD
Historic Properties Effectuated	0	0	0	0
<b>NATURAL RESOURCE FACTORS</b>				
Protected Species Impacted <sup>2</sup>	1	0	0	0
Stream Crossings <sup>3</sup>	6	6	6	6
Upland Natural Systems – acres	148.3	180.9	189.4	195.5
Wetland Systems – acres <sup>4</sup>	0.87	0.78	0.86	0.79
Stream Impacts – linear feet <sup>5</sup>	6931	7167	7241	6726
<b>LAND USE FACTORS<sup>5</sup></b>				
Rural Residential – acres	85.6	61.9	55.5	54.6
Commercial – acres	5.8	5.8	5.8	5.8
Industrial – acres	0	0	0	0
Agricultural/Pasture – acres	7.1	7.1	7.1	10.1
Open – acres <sup>6</sup>	98.8	99.1	114.4	119.1
<b>PHYSICAL FACTORS</b>				
Floodplains – acres	4.4	4.4	4.4	5.0
Farmland – acres <sup>7</sup>	79.2	77.7	84.4	94.2
Hazardous Materials Sites	2	2	2	2
Exceedances of CO NAAQS	0	0	0	0

- Notes: 1 An intensive archaeological survey will be conducted for the Preferred Alternative.  
2 Impacts refer to a single Schweinitz's sunflower stem.  
3 Based on number of major drainage structures.  
4 Impacts based on construction limits plus 25 feet.  
5 Impacts based on construction limits plus 25 feet.  
6 Disturbed, abandoned, and/or undeveloped land.  
7 Includes prime and statewide important farmlands.

**Table 2. Wetland Impact Summary**

NC 24/27 IMPROVEMENTS  
MONTGOMERY COUNTY, NORTH CAROLINA  
TIP PROJECT NUMBER R-623

ID	Plant Community <sup>1</sup>	Soil Series	Wetland Classif. <sup>2,3</sup>	Wetland Rating Score <sup>4</sup>	Riverine Vs. Non-Riverine	Total Area of Wetland (ac)	Impacts Per Alternative <sup>5</sup>			
							B	C	D	E
1	Seep	Herndon	PF01A	37	Non-riverine	0.09	--	--	--	--
2	Seep	Herndon	PF01A	37	Non-riverine	0.09	--	--	--	--
3	Bottomland Hardwood	Herndon	PF01A	38	Non-riverine	0.09	--	--	--	--
4	Disturbed	Herndon	PF01A	19	Non-riverine	0.05	--	--	--	--
5	Seep	Herndon	PF01A	57	Non-riverine	0.07	0.05	0.05	0.05	0.05
6	Seep	Herndon	PF01A	57	Non-riverine	0.05	--	--	--	--
7	Seep	Herndon	PF01A	53	Non-riverine	0.01	--	--	--	--
8	Disturbed	Herndon	PF01Ad	49	Non-riverine	0.01	0.01	0.01	0.01	0.01
9a	Seep	Herndon	PF01Ad	53	Non-riverine	0.03	--	--	--	--
9b	Seep	Herndon	PF01A	53	Non-riverine	0.06	0.06	0.06	0.06	0.06
10	Seep	Herndon	PF01A	15	Non-riverine	0.02	0.02	0.02	0.02	0.02
11	Seep	Herndon	PUBHh <sup>2</sup>	53	Non-riverine	0.04	0.02	0.02	0.02	0.02
12	Bottomland Hardwood	Herndon	PUBHh <sup>2</sup>	61	Riverine	0.43	--	--	--	--
13	Wetland around pond	Herndon	PUBHh <sup>3</sup>	31	Non-riverine	0.04	--	--	--	--
14	Seep	Herndon	PF01A <sup>3</sup>	41	Non-riverine	0.01	0.01	0.01	0.01	--
15	Seep	Herndon	PF01A <sup>3</sup>	36	Non-riverine	0.02	--	--	--	--
16	Headwater	Herndon	PF01A <sup>3</sup>	57	Non-riverine	0.09	--	--	--	--
17	Seep	Herndon	PF01A <sup>3</sup>	57	Non-riverine	0.05	0.01	0.01	0.01	--
18	Seep	Herndon	PF01A <sup>3</sup>	41	Non-riverine	0.01	--	--	--	--
19	Headwater	Herndon	PUBHh <sup>3</sup>	33	Non-riverine	0.03	--	--	--	--
20	Seep	Herndon	PUBHh <sup>2</sup>	36	Non-riverine	0.09	0.02	0.02	0.01	--
21	Headwater	Herndon	PUBHh <sup>3</sup>	46	Non-riverine	0.26	0.18	0.18	0.17	--
22 & 23	Wetland around pond	Herndon	PUBHh <sup>2</sup>	72,25	Non-riverine	0.73	0.21	0.21	0.21	--
24	Headwater (very disturbed)	Herndon	PF01Ad <sup>3</sup>	17	Non-riverine	0.02	--	--	--	--
25	Wetland around pond	Herndon	PUBHh <sup>2</sup>	22	Non-riverine	0.83	--	--	--	0.21
26	Seep	Herndon	PUBHh <sup>2</sup>	27	Non-riverine	0.02	--	--	--	--
27	Headwater	Herndon	PUBHh <sup>3</sup>	27	Non-riverine	0.73	--	--	--	--
28	Headwater	Herndon	PF01A <sup>3</sup>	28	Non-riverine	0.61	--	--	--	0.37
29	Wetland around pond	Herndon	PUBHh <sup>2</sup>	28	Non-riverine	0.15	--	--	--	--
30	Wetland around pond	Herndon	PUBHh <sup>2</sup>	28	Non-riverine	0.10	--	--	0.24	--
31	Headwater	Herndon	PF01A <sup>3</sup>	47	Non-riverine	0.01	--	--	--	--
32	Bottomland Hardwood	Callison-Secret	PF01A <sup>3</sup>	58	Riverine	0.11	--	--	--	--
33	Headwater	Herndon	PF01A <sup>3</sup>	39	Non-riverine	0.06	--	--	--	--
34	Seep	Herndon	PF01A <sup>3</sup>	54	Non-riverine	0.11	--	--	--	--
35	Seep	Herndon	PF01A <sup>3</sup>	54	Non-riverine	0.01	--	--	--	--
36	Seep	Herndon	PF01A <sup>3</sup>	54	Non-riverine	0.09	0.08	0.07	--	--
37	Headwater above pond	Georgeville	PUBHh <sup>2</sup>	33	Non-riverine	0.16	0.07	0.07	--	--
38	Seep	Georgeville	PF01A <sup>3</sup>	54	Non-riverine	0.12	--	--	--	--
39	Wetland around pond	Herndon	PF01A <sup>3</sup>	32	Non-riverine	0.13	--	--	--	--
40	Seep	Callison-Secret	PF01A <sup>3</sup>	49	Non-riverine	0.04	--	--	--	--
41	Wetland around pond	Herndon	PUBHh <sup>3</sup>	34	Non-riverine	0.03	--	--	--	--
42	Bottomland Hardwood	Georgeville	PF01A <sup>3</sup>	56	Riverine	0.04	--	--	--	--
43	Seep	Herndon	PF01A <sup>3</sup>	45	Non-riverine	0.02	--	--	--	--
44	Seep	Herndon	PF01A <sup>3</sup>	45	Non-riverine	0.19	--	--	--	--

**Wetland Impact Summary Con't**  
 NC 24/27 IMPROVEMENTS  
 MONTGOMERY COUNTY, NORTH CAROLINA  
 TIP PROJECT NUMBER R-623

ID	Plant Community <sup>1</sup>	Soil Series	Wetland Classif. <sup>2,3</sup>	Wetland Rating Score <sup>4</sup>	Riverine Vs. Non-Riverine	Total Area of Wetland (ac)	Impacts Per Alternative <sup>5</sup>			
							B	C	D	E
45	Headwater	Herndon	PF01A <sup>2</sup>	42	Non-riverine	0.07	0.05	--	--	--
46	Headwater	Herndon	PF01A <sup>2</sup>	42	Non-riverine	0.03	0.03	--	--	--
47	Headwater	Herndon	PF01A2	41	Non-riverine	0.18	--	--	--	--
48	Bottomland Hardwood	Herndon	PF01A <sup>2</sup>	45	Riverine	0.13	--	--	--	--
49	Bottomland Hardwood	Herndon	PF01A <sup>3</sup>	37	Riverine	0.03	--	--	--	--
50	Bottomland Hardwood	Herndon	PF01A <sup>3</sup>	23	Riverine	0.05	0.05	0.05	0.05	0.05
51	Seep (disturbed)	Herndon	PF01Ad <sup>3</sup>	20	Non-riverine	0.33	--	--	--	--
<b>TOTALS</b>							<b>0.87</b>	<b>0.78</b>	<b>0.86</b>	<b>0.79</b>

- 1 As defined in Shafale, M.P. and A.S. Weakly (1990).
- 2 As identified on National Wetland Inventory Mapping (USFWS, 2003) and defined in Cowardin et al. (1979). PUBHh denotes farm or golf course ponds that are irregular in outline, located near the headwaters of small drainages where the flow of water has been obstructed by human-made dams. The lower case "h" modifier is applied to upstream wetlands that are affected by impoundment. PFO1A denotes bottomland forests in the mountains and piedmont where the streamflow is moderate and alluvium is fairly well-drained (NCDENR, 1988).
- 3 Wetlands without a Cowardin designation were classified in general accordance with Cowardin et al. (1979). Wetlands were evaluated based on vegetation, visible hydrology, and geography.
- 4 Source: NCDWQ Wetland Rating Worksheet. (Generally, a score of 0-33 = low quality wetlands, 33-66 = medium quality wetlands, > 66 = high quality wetlands.)
- 5 Estimate of impacts based on construction limits plus 25 feet.

**Table 3. Stream Impact Summary**  
 NC 24/27 IMPROVEMENTS  
 MONTGOMERY COUNTY, NORTH CAROLINA  
 TIP PROJECT NO.R-623

Site No.	Stream	Stream Classification	DWQ Score2	Impacts Per Alternative (linear feet)			
				(Based on Construction Limits + 25 foot buffer)			
				B	C	D	E
1	UT Warner Creek	Perennial	36.5	316.67	316.67	316.67	316.67
2	UT Warner Creek	Perennial	34	--	--	--	--
3	UT Warner Creek	Perennial	45	228.04	228.04	228.04	228.04
4	UT Warner Creek	Perennial	45	--	--	--	--
5	UT Warner Creek	Intermittent	24.5	521.52	521.52	521.52	521.52
6	UT Warner Creek	Perennial	50.5	432.23	432.23	432.23	432.23
7	UT Warner Creek	Perennial	50.5	125.77	125.77	125.77	125.77
8	UT Warner Creek	Intermittent	20.5	210.81	210.81	210.81	210.81
9	UT Warner Creek	Intermittent	24	168.37	168.37	168.37	212.54
10	UT Warner Creek	Intermittent	23	--	--	--	--
11	UT Warner Creek	Intermittent	23	--	--	--	--
12	UT Warner Creek	Perennial	49.5	--	--	--	19.23
13	UT Warner Creek	Perennial	49.5	--	--	--	127.27
14	UT Warner Creek	Perennial	33	--	--	--	--
15	UT Warner Creek	Perennial	35.5	--	--	--	--
16	UT Warner Creek	Intermittent	16	--	--	--	--
17	UT Warner Creek	Perennial	45.5	--	--	--	247.05
18	Warner Creek	Perennial	53	--	--	--	345.91
19	UT Warner Creek	Perennial	39.5	282.03	282.03	282.03	--
20	UT Warner Creek	Perennial	39.5	319.88	319.88	319.88	--
21	UT Warner Creek	Perennial	53	319.75	319.75	319.75	--
22	Ditch	---	16	--	--	--	294.21
23	Warner Creek	Perennial	32	--	--	--	--
24	UT Warner Creek	Perennial	37	--	--	--	--
25	UT Warner Creek	Perennial	36.5	137.31	137.31	137.31	--
26	UT Warner Creek	Perennial	40	509.12	509.12	509.12	--
27	UT Warner Creek	Perennial	29.5	--	--	--	--
28	UT Warner Creek	Perennial	38	313.55	313.55	313.55	--
29	UT Warner Creek	Intermittent	26.5	--	--	--	--
30	UT Turkey Creek	Intermittent	17.5	--	--	--	27.97
31	UT Turkey Creek	Perennial	40.5	--	--	--	382.79
32	UT Turkey Creek	Intermittent	15	--	--	--	--
33	Turkey Creek	Perennial	48.25	--	--	--	--
34	UT Turkey Creek UT	Ephemeral	7	--	--	--	--
35	UT Turkey Creek	Perennial	15.5	--	--	--	--
36	UT Turkey Creek	Perennial	39.5	--	--	--	67.89
37	UT Turkey Creek	Perennial	38.75	--	--	--	250.38
38	UT Turkey Creek	Perennial	47.75	--	--	--	--

**Stream Impact Summary (Cont.)**  
 NC 24/27 IMPROVEMENTS  
 MONTGOMERY COUNTY, NORTH CAROLINA  
 TIP PROJECT NO.R-623

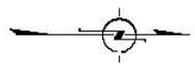
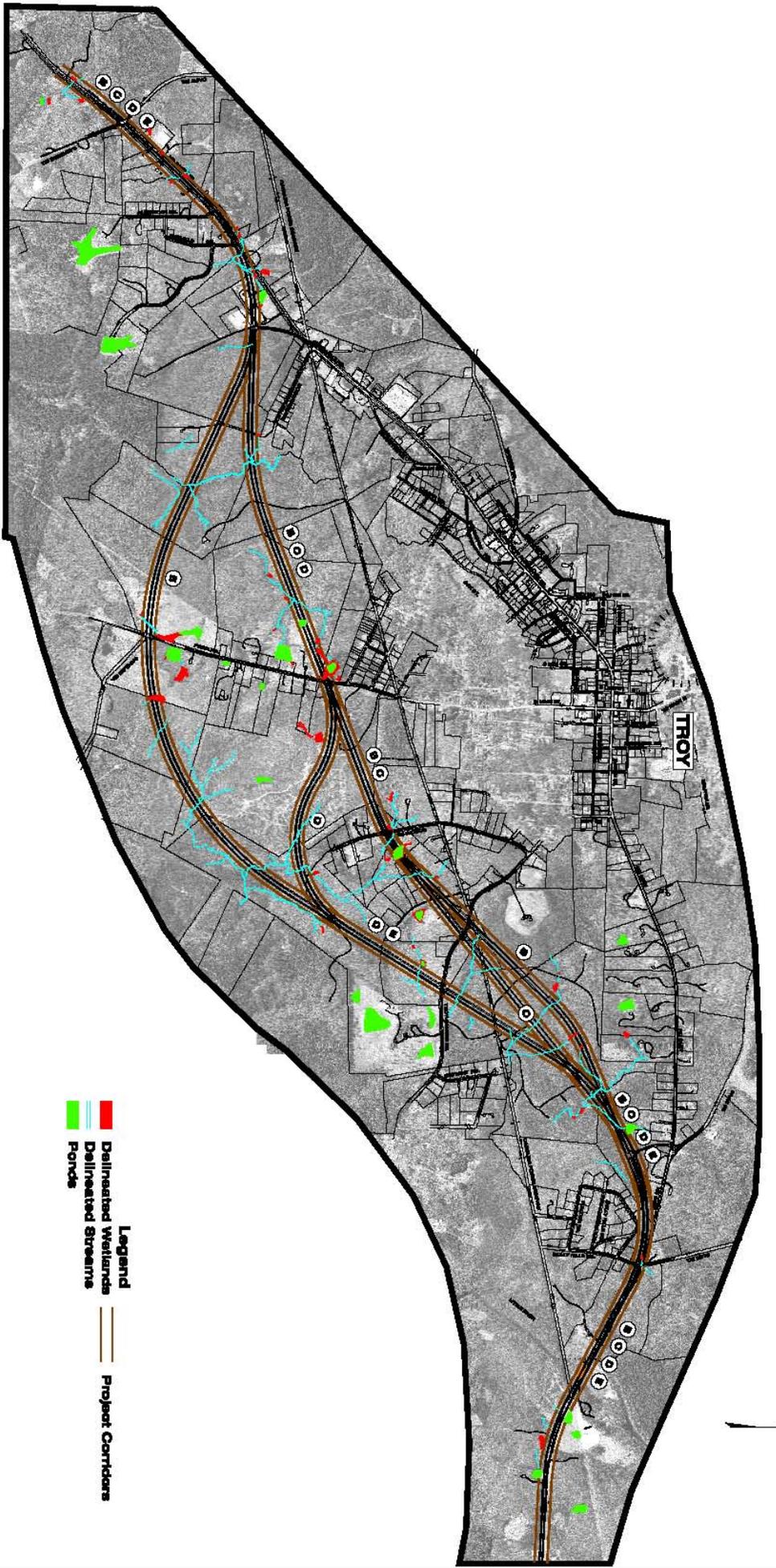
Site No.	Stream	Stream Classification	DWQ Score2	Impacts Per Alternative (linear feet)			
				(Based on Construction Limits + 25 foot buffer)			
				B	C	D	E
39	UT Turkey Creek	Intermittent	15.5	--	--	--	--
40	Turkey Creek	Perennial	58.5	--	--	569.52	--
41	UT Turkey Creek	Perennial	37	--	--	--	--
42	UT Turkey Creek	Perennial	49.5	--	--	286.36	407.18
43	UT Turkey Creek	Perennial	52.5	--	--	--	--
44	UT Turkey Creek	Perennial	38	--	--	--	--
45	UT Turkey Creek	Intermittent	26	--	--	--	--
46	UT Turkey Creek	Perennial	49	270.76	270.76	--	--
47	UT Turkey Creek	Perennial	32	--	--	--	--
48	UT Turkey Creek	Perennial	39	--	--	--	--
49	UT Turkey Creek	Perennial	45.5	430.60	249.09	--	--
50	UT Turkey Creek	Perennial	29.25	--	--	253.64	287.35
51	UT Turkey Creek	Perennial	30	--	--	--	--
52	UT Turkey Creek	Intermittent	19	--	306.47	--	--
53	UT Turkey Creek	Perennial	41	147.16	427.04	314.07	304.66
54	UT Turkey Creek	Ephemeral	12	--	--	--	--
55	UT Turkey Creek	Intermittent	15.25	--	--	--	--
56	UT Little River	Perennial	28.25	293.02	258.12	--	--
57	UT Little River	Perennial	30.75, 39.5	--	--	265.37	263.32
58	UT Little River	Ephemeral	13.25	--	--	217.05	217.17
59	UT Little River	Perennial	35.75	158.74	239.29	312.58	298.99
60	UT Little River	Intermittent	20.75	813.88	293.09	264.96	270.86
61	UT Little River	Ephemeral	11	--	--	--	--
62	UT Little River	Perennial	51.25	--	120.01	63.23	67.68
63	UT Little River	Intermittent	26.25	--	--	--	--
64	UT Little River	Perennial	52.5	153.09	--	--	--
65	UT Little River	Intermittent	25.5	486.09	826.82	516.59	506.80
66	UT Little River	Ephemeral	11.5	--	--	--	--
67	UT Little River	Perennial	30.5	--	--	--	--
68	UT Little River	Intermittent	15	--	--	--	--
69	UT Little River	Perennial	33.5	291.20	291.20	291.20	291.20
70	UT Little River	Intermittent	27	--	--	--	--
71	UT Little River	Intermittent	23.5	--	--	--	--
72	UT Little River	Intermittent	23	--	--	--	--
<b>Totals</b>				<b>6929.59</b>	<b>7166.94</b>	<b>7239.62</b>	<b>6725.49</b>

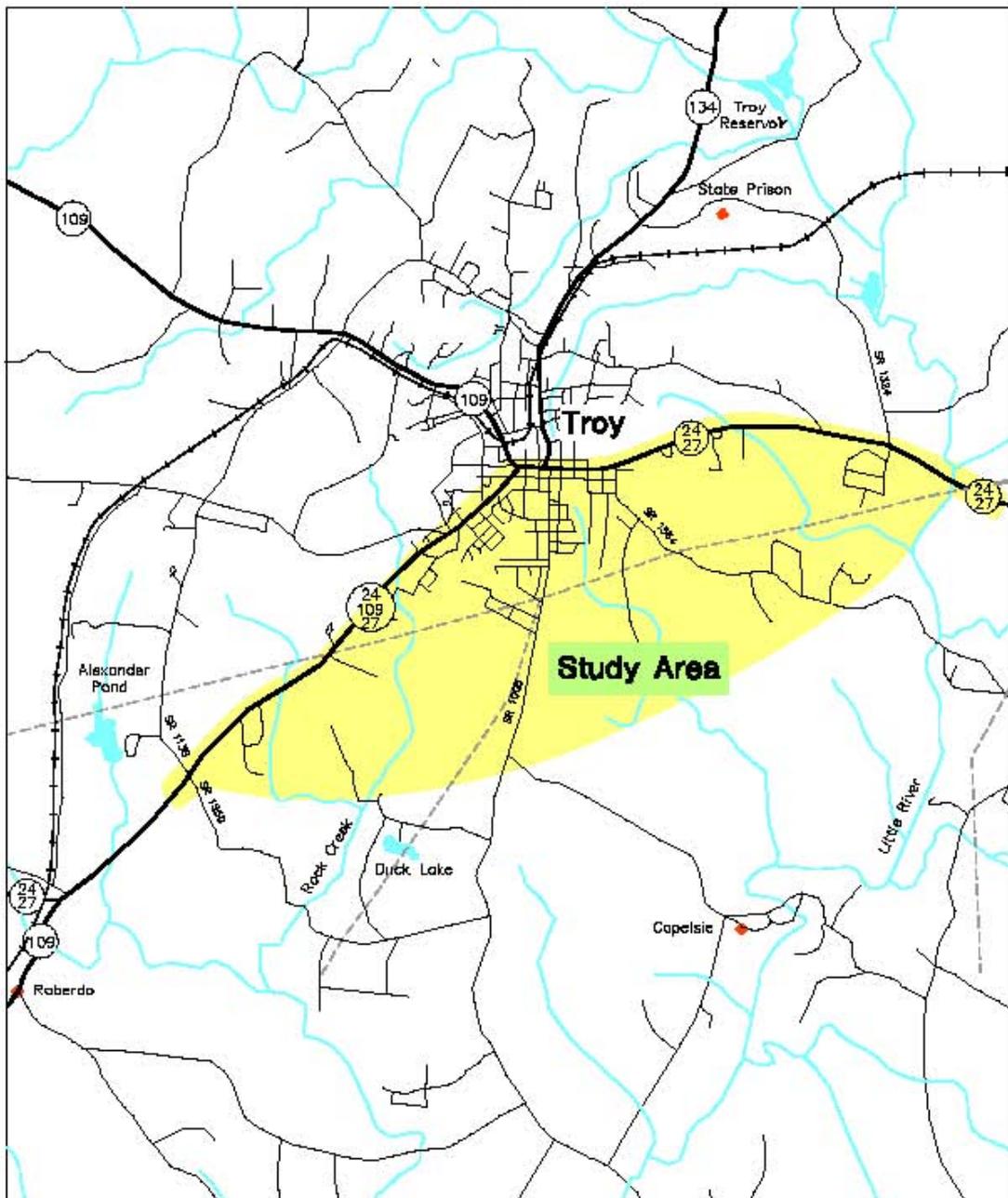


# NC 24/27 Improvements

TIP No. R-623  
Montgomery County, North Carolina

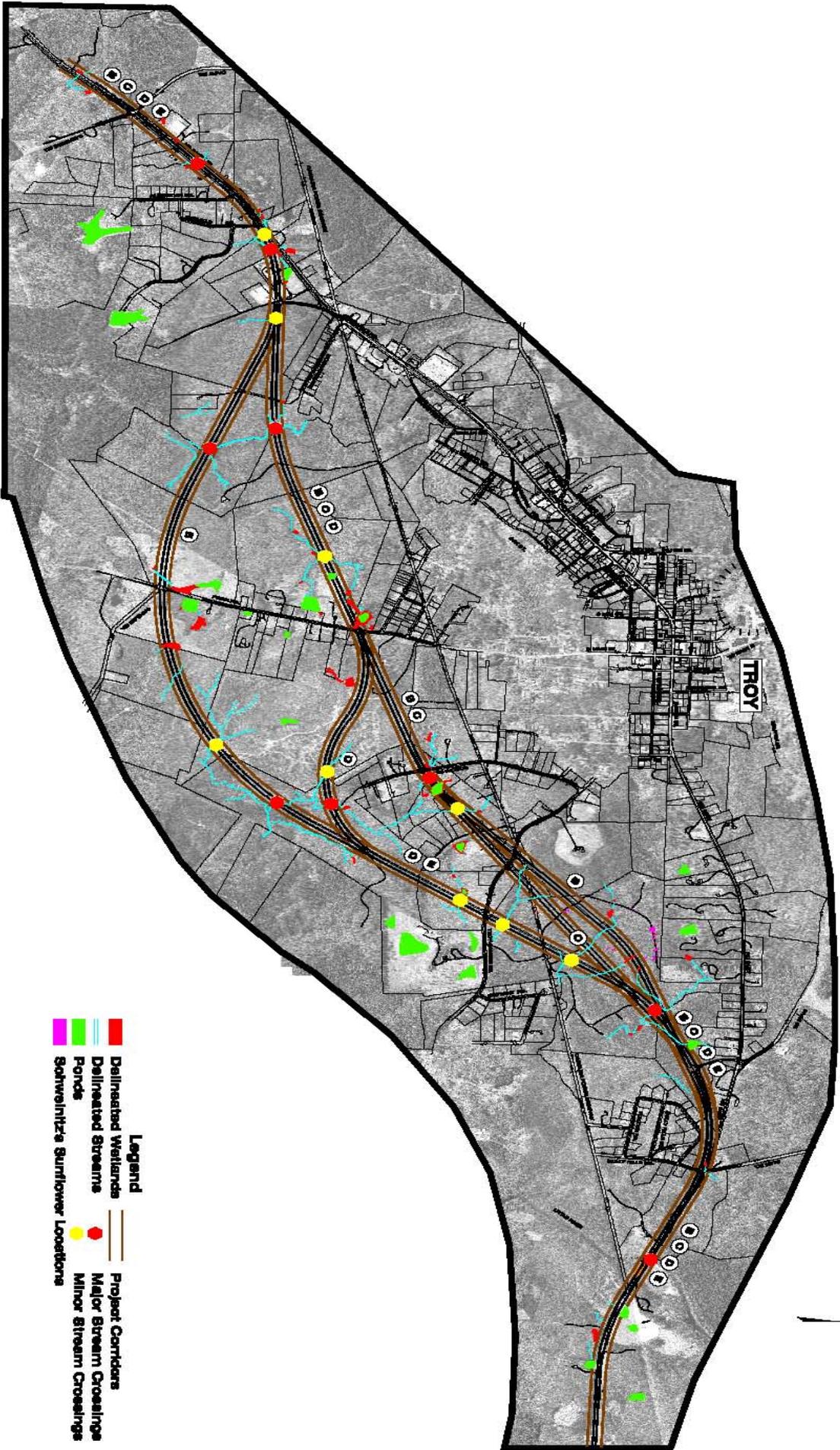
Build Alternatives  
NTS  
Figure 1





**NC 24/27 Improvements**  
**SR 1138 to East of Little River TIP NO. R-623**  
**Montgomery County, North Carolina**

**Project Location**  
**NTB**  
**Figure 2**



- Legend**
- Disturbed Wetlands
  - Disturbed Streams
  - Ponds
  - Saturated Swiflow Locations
  - Project Corridors
  - Major Stream Crossings
  - Minor Stream Crossings

# NC 24/27 Improvements

TIP No. R-823  
 Montgomery County, North Carolina

