



US Army Corps  
Of Engineers  
Wilmington District

# PUBLIC NOTICE

Issue Date: August 2, 2006  
Comment Deadline: September 1, 2006  
Corps Action ID No. 199506041  
TIP Project No. R-2245  
State Project Number 8.2231201

The Wilmington District, Corps of Engineers (Corps) has received an application from the North Carolina Department of Transportation (NCDOT) requesting a Department of the Army authorization to impact 21.548 acres of jurisdictional wetlands and 222 linear feet of jurisdictional stream channel to construct a second bridge to Oak Island across the Atlantic Intracoastal Waterway (AIWW) to NC 211 in Brunswick County, North Carolina.

Specific plans and location information are described below and shown on the attached plans. This Public Notice, all attached plans, and more detail 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 and decide whether to issue, conditionally issue, or deny the proposed work pursuant to applicable procedures under Section 10 of the Rivers and Harbors Act (33 U.S.C 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344).

## Location

The proposed 4.5 mile roadway project starts at SR 1104 (Beach Drive) on Oak Island and continues to NC 211, west of Southport. The proposed project is located in adjacent wetlands and tributaries that are hydrologically connected to the Atlantic Intracoastal Waterway (AIWW), Davis Canal, and an unnamed tributary to River Swamp. The project is located within a 150 foot wide corridor between Latitude 33.9169 N, Longitude 78.1612 W and Latitude 33.9719 Longitude 78.1309. The project is located in the Lumber River Basin, USGS 8-digit hydrological unit 030340207.

## **Background**

On April 30, 2004, the NC Department of Transportation (NCDOT) completed and circulated for public review, a Final Environmental Impact Statement (FEIS) for the proposed TIP Project No. R-2245 followed by a Record of Decision (ROD) on November 10, 2004. The social, economic, and environmental impacts associated with potential build alternatives for TIP Project No. R-2245 has been described in the above referenced environmental documents.

The NCDOT/FHWA EIS and ROD for TIP Project No. R-2245 are 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 wetland types that exist in the project area consist of pocosins, bottomland hardwood forests, non-riverine wetlands, and coastal marsh. The dominant wetland communities in the area consist of pocosin wetlands. The topography between the AIWW and NC 211 is a relatively flat, sandy area with Carolina Bays and dense vegetation.

## **Applicant's Stated Purpose**

The main purpose of the proposed project is to provide traffic relief to the existing bridge to Oak Island on NC 133, decrease accident potential, and provide an additional emergency evacuation route for the Town of Oak Island, NC.

## **Project Description**

The proposed TIP Project No. R-2245 project consists of constructing a four-lane median divided facility with controlled access. This project includes the replacement of Bridge No. 206 over Davis Canal, widening of Middleton Avenue (SR 1105) between the Atlantic Ocean and the Atlantic Intracoastal Waterway (AIWW), a new high-rise bridge over the AIWW, and a four-lane median divided road on a new location from the AIWW to NC Highway 211, Brunswick County, North Carolina. The proposed high-rise bridge over the AIWW to the mainland will be 980 feet long and consist of four lanes. This proposed bridge will have vertical clearances over the AIWW of 67.3 feet, horizontal clearance of 90 feet, and a minimum 140 foot navigation opening, without using a fender system, and will provide 70 feet of clearance from the centerline of the Federal AIWW channel to the bridge on both sides. The proposed roadway improvements located west of the AIWW Bridge to NC211 include a four lane divided highway with a 16 foot raised

median. According to information provided by the applicant the proposed project also includes the acquisition of Carolina Bays, animal crossings, and three access points as described below:

Carolina Bays. The proposed project includes the acquisition of two Carolina Bays located on the east and west side of the proposed project as well as a section of another bay located east of the proposed project. According to information provided by the applicant, the delineated wetlands associated with these Carolina Bays will be restricted from development through a conservation easement.

Animal Crossings. The proposed project includes the acquisition of two animal crossing easements. One approximately 300 ft wide connecting the two Carolina Bays, in addition to another 300 ft easement leading north from the Carolina Bay east of R-2245 to the new North Bay. The crossings will provide a minimum of at least four 60 inch by 46 inch crossings under the private development roads within the preserved wildlife corridor.

According to the applicant, as of the date of submittal of its permit application the acquisitions of the areas containing the Carolina Bays and animal crossings (described above) are currently under negotiations with those landowners and that all conservation agreements will be provided by the applicant to the Interagency Merger Team as soon as they are signed by all the parties involved.

Access Control. The proposed project will provide full control of access from NC 211 to the AIWW except at three access points. These access points are located at -L- Station 73+15 (Full Movement), -L- Station 191+45 (Right-in/Right-out only), and approximately -L- Station 151+55 (Right-in/Right-out only). The applicant has removed the western access point located at -L- Station 73+15. If the applicant makes application to construct this crossing at later date additional information will be required on the associated impacts with this access point.

The work now being considered for authorization is the discharge of dredged or fill material into 21.548 acres of jurisdictional wetlands and 222 linear feet of jurisdictional stream channel associated with the construction of the proposed TIP Project No. R-2245. The proposed project would also include the temporary impact to 0.046 acres of wetland and 132 linear feet of stream channel. The jurisdictional streams that may be impacted by the proposed project are an unnamed tributary to River Swamp, Davis Canal, and the AIWW. There are thirty-three wetland proposed wetland crossings and five proposed stream crossings associated with the proposed project as shown in Table 1 and 2 below.

**Table 1- R-2245 Wetland Impacts and Descriptions**

Site	Wetland Type	Permanent Impacts (ac)	Temporary Impacts (ac)	Cowardin et al. Description
1	Tidal CAMA	0.0	0.0	EIEM1
2	Tidal CAMA	0.026	0.027	EIEM1
4	Tidal CAMA	0.0	0.019	EIEM1
6	Non Riverine	1.522	0.0	PF01
7	Non Riverine	0*	0.0	PF04
8	Non Riverine	0.066	0.0	PF04
9	Non Riverine	0.106	0.0	PF04
10	Non Riverine	0.137	0.0	PF04
11	Non Riverine	1.407	0.0	PF04
12	Non Riverine	1.172	0.0	PF04
13	Non Riverine	0.07	0.0	PF04
14	Non Riverine	0.75	0.0	PF04
15	Non Riverine	0.01	0.0	PF04
16	Non Riverine	0.276	0.0	PF04
17	Non Riverine	0.365	0.0	PF04
18	Non Riverine	0.147	0.0	PF04
19	Non Riverine	1.161	0.0	PF04
20	Non Riverine	0.168	0.0	PF04
21	Non Riverine	2.773	0.0	PF04
22	Non Riverine	1.657	0.0	PF04
23	Non Riverine	0.182	0.0	PF04
24	Non Riverine	3.345	0.0	PF04
25	Non Riverine	2.908	0.0	PF04
26	Non Riverine	0.0	0.0	PF04
27	Non Riverine	0.025	0.0	PF04
28	Non Riverine	0.0	0.0	PF04
29	Non Riverine	0.805	0.0	PF04
30	Non Riverine	0.984	0.0	PF04
31	Non Riverine	0.088	0.0	PF04
32	Non Riverine	1.351	0.0	PF01
33	Non Riverine	0.047	0.0	PF01
35	Non Riverine	0*	0.0	PF04
36	Non Riverine	0*	0.0	PF04

\* Sites deleted by the applicant

**Table 2 – R-2245 Surface Water Impacts**

Site	Stream Name and Intermittent (I) or Perennial (P)	Structure/ Size Type	Permanent Impacts	Mitigation Proposed	Temporary Impacts	DWQ Index number	DWQ Class
3 & 4	Davis Canal (P)	Bridge	0.001ac	No	0.035ac	15-25	SA HQW
5	AIWW	Bridge	0	NA	0.013ac	15-25	SA HQW
11	UT to AIWW (I)	2 @ 60"RCP	207 ft	No	52 ft	15-25	SA HQW
34	UT to River Swamp (P)	Extent 10'x8' RCBC	15ft	30 ft	80 ft	15-25-1-6	C Sw

Construction of the proposed project will permanently impact 21.548 acres of jurisdictional wetlands and 222 linear feet of jurisdictional stream channel, including 207 ft of intermittent stream channel and 15 feet of perennial stream channel. The NCDOT is proposing to mitigate for these impacts using the North Carolina Ecosystem Enhancement Program (EEP) to provide the necessary compensatory mitigation for the 21.548 acres of unavoidable wetland impacts and 15 linear feet of perennial stream impacts associated with this project.

### **Other Required Authorizations**

This notice and all applicable application materials are being forwarded to the appropriate State agencies for review. The Corps will generally not make a final permit decision until the North Carolina Division of Water Quality (NCDWQ) issues, denies, or waives State certification required by Section 401 of the Clean Water Act (PL 92-500). The receipt of the application and this public notice in the NCDWQ Central Office in Raleigh serves as application to the NCDWQ for certification. A waiver will be deemed to occur if the NCDWQ fails to act on this request for certification within sixty days of the date of the receipt of this notice in the NCDWQ Central Office. Additional information regarding the Clean Water Act certification may be reviewed at the NCDWQ Central Office, 401 Transportation Permitting Unit, 2321 Crabtree Boulevard, Raleigh, North Carolina 27604-2260. All persons desiring to make comments regarding the application for certification under Section 401 of the Clean Water Act should do so in writing delivered to the North Carolina Division of Water Quality (NCDWQ), 1650 Mail Service Center, Raleigh, North Carolina 27699-1650 Attention: Mr. John Hennessy by September 1, 2006

The applicant has not provided to the Corps, a certification statement that his/her proposed activity complies with and will be conducted in a manner that is consistent with the approved North Carolina Coastal Zone Management Program. Pursuant to 33 CFR 325.2(b)(2), the Corps can not issue a permit for the proposed work until the applicant submits such a certification to the Corps and the North Carolina Division of Coastal Management (NCDCM), and the NCDCM notifies the Corps that it concurs with the applicant's consistency certification.

### **Essential Fish Habitat**

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The Corps' initial determination is that the proposed project will not adversely impact EFH or associated fisheries managed by the South Atlantic or Mid Atlantic Fishery Management Councils or the National Marine Fisheries Service

## **Cultural Resources**

The Corps has consulted the latest published version of the National Register of Historic Places 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. Presently, unknown archeological, scientific, prehistoric, or historical data may be located within the project area and/or could be affected by the proposed work.

## **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. Based on available information, the Corps is not aware of the presence of species listed as threatened or endangered or their critical habitat formally designated pursuant to the Endangered Species Act of 1973 (ESA) within the project area. A final determination on 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 determine whether to issue, modify, condition or deny a permit for this proposal. 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 an 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.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. Requests for a public hearing shall be granted, unless the District Engineer determines that the issues raised are insubstantial or there is otherwise no valid interest to be served by a hearing.

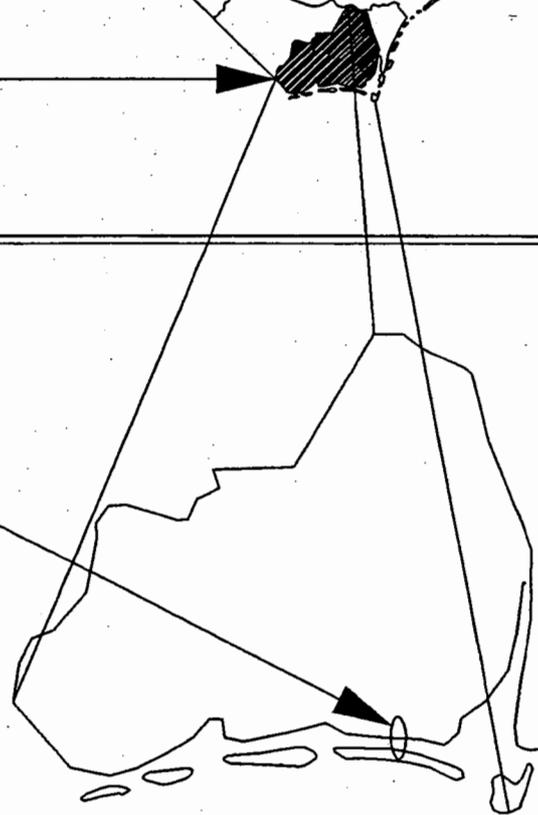
Written comments pertinent to the proposed work, as outlined above, will be received by the Corps of Engineers, Wilmington District, until 5pm, September 1, 2006. Comments should be submitted to Mr. Dave Timpy, Wilmington Regulatory Field Office, P.O. Box 1890, Wilmington, North Carolina 28402-1890.

# NORTH CAROLINA



BRUNSWICK  
COUNTY

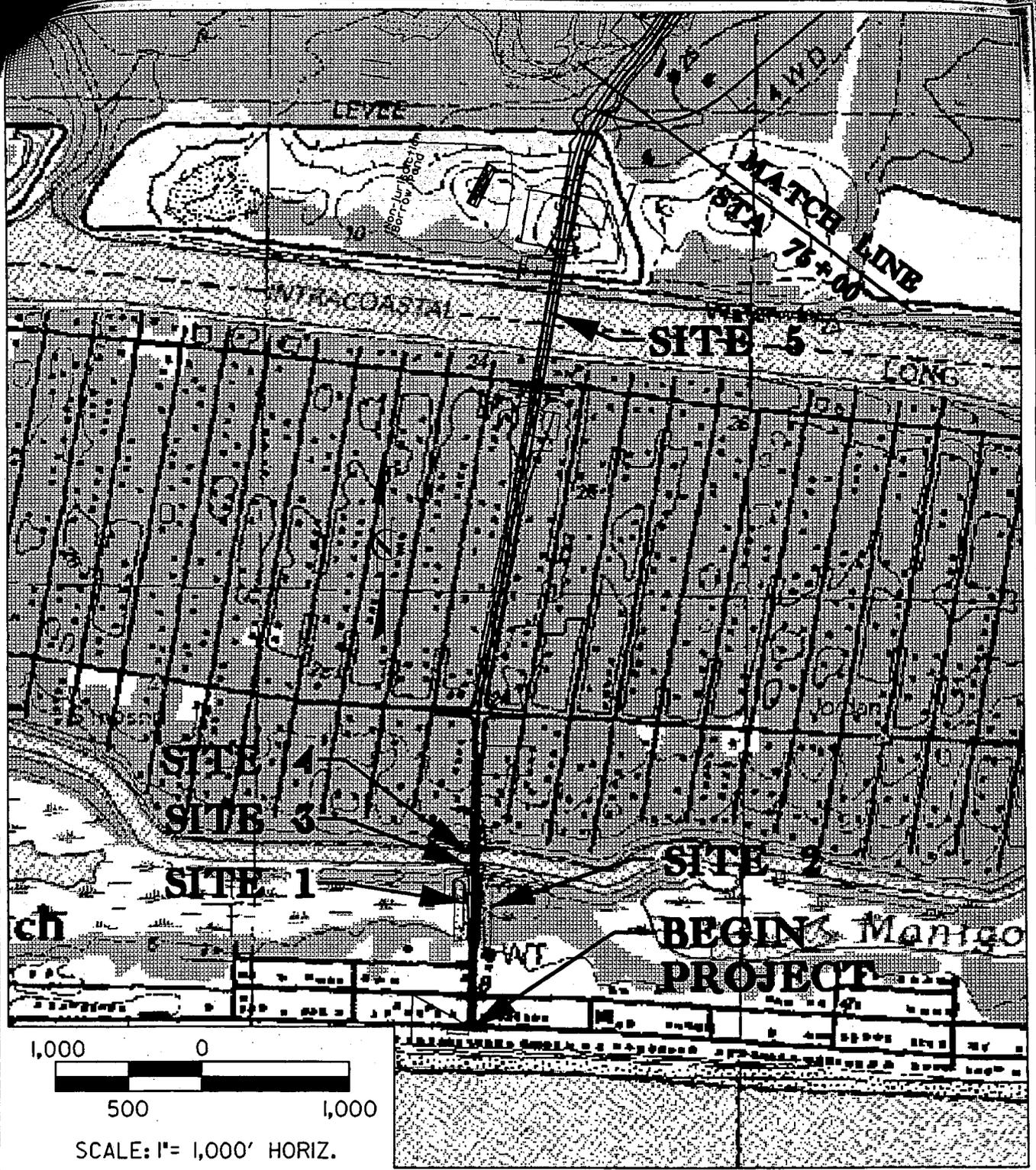
PROJECT  
LOCATION



LOCATION  
MAP

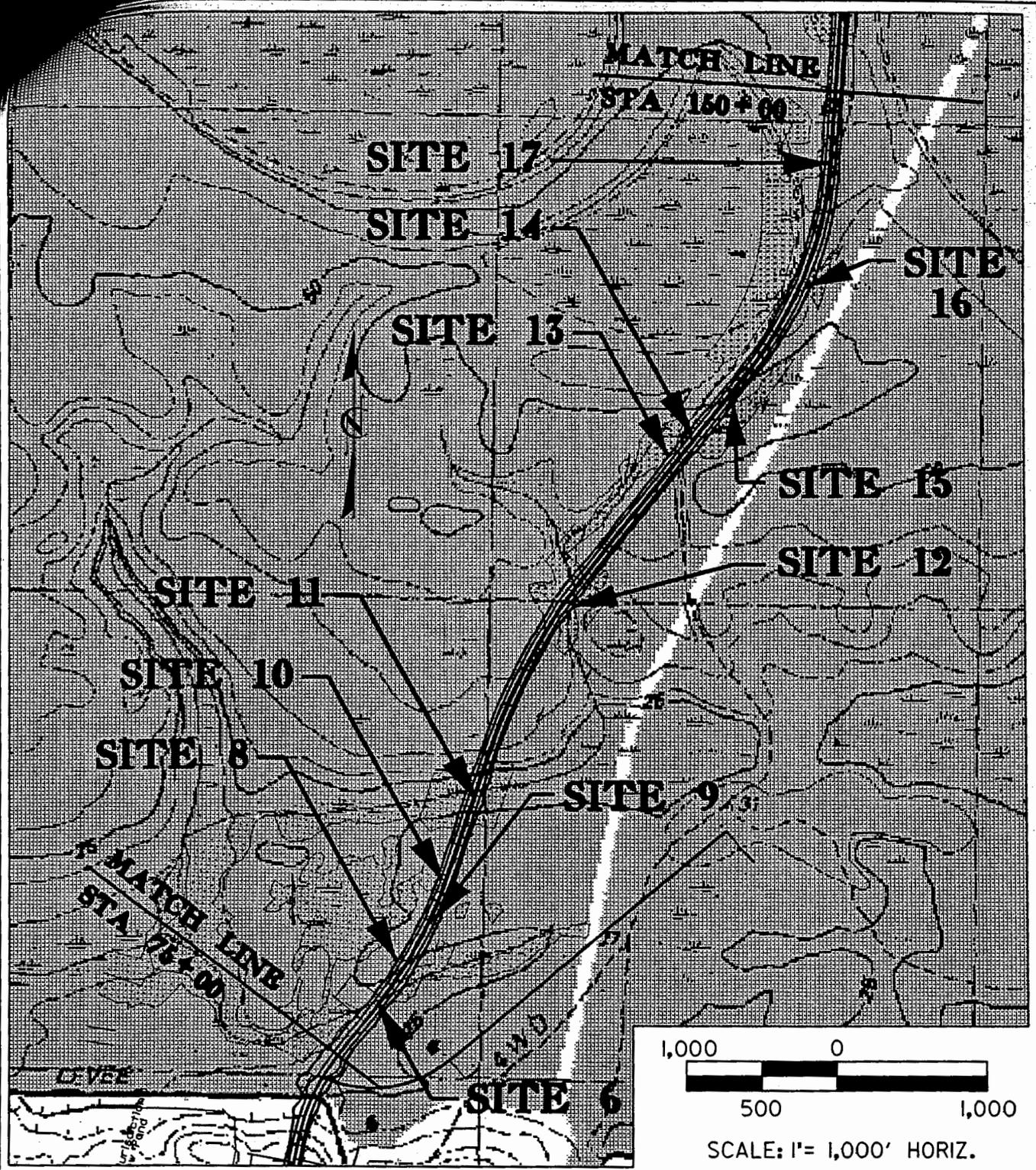
NCDOT  
DIVISION OF HIGHWAYS  
BRUNSWICK COUNTY  
PROJECT 34407.11 (R-2245)  
SECOND BRIDGE TO  
OAK ISLAND

SHEET 1 OF 70



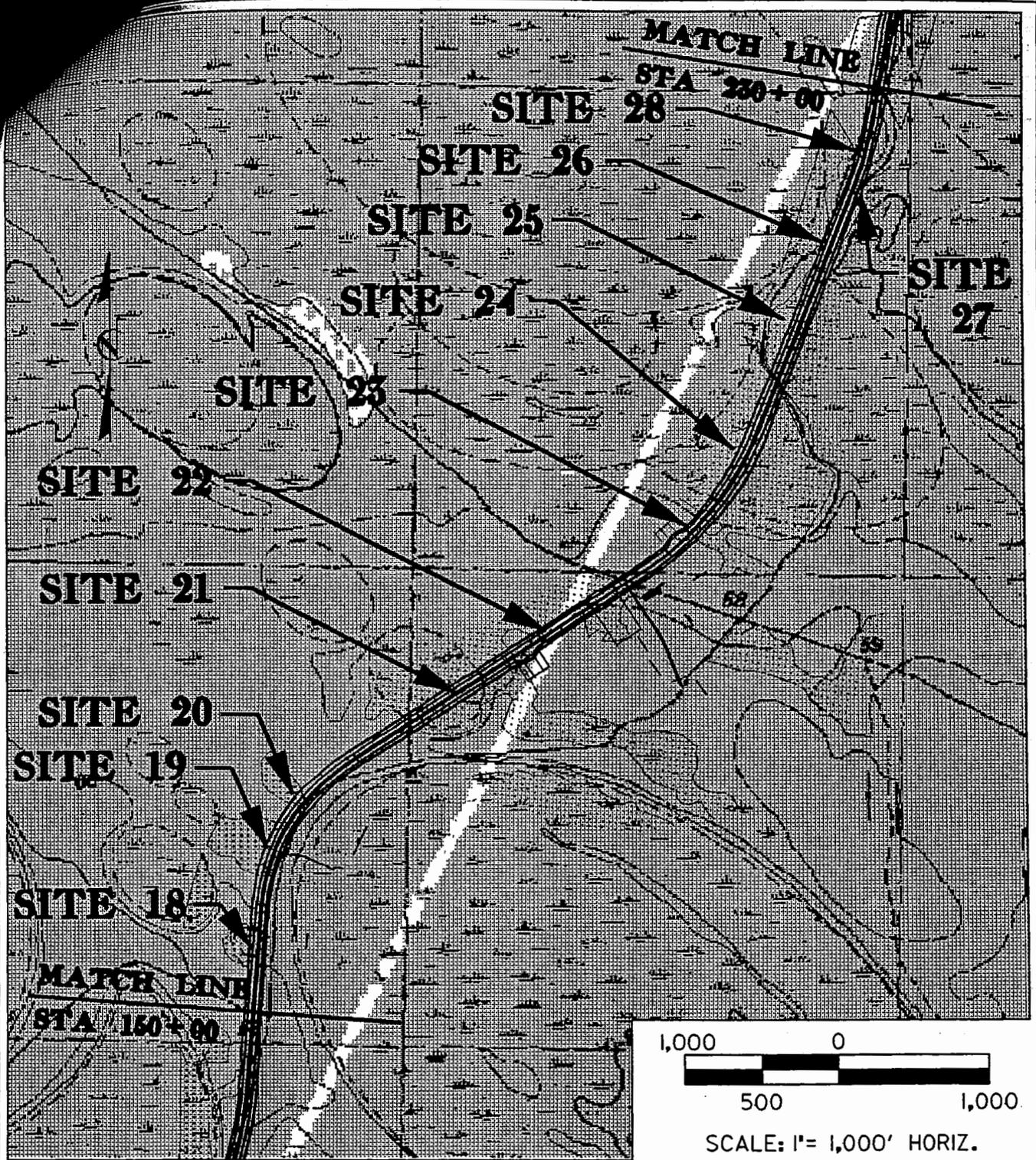
SITE  
MAP  
1 of 4

NCDOT  
DIVISION OF HIGHWAYS  
BRUNSWICK COUNTY  
PROJECT 34407.1.1 (R-2245)  
NEW ROUTE FROM SR 1104  
(BEACH DR) TO NC 211  
(SECOND BRIDGE TO OAK ISLAND)



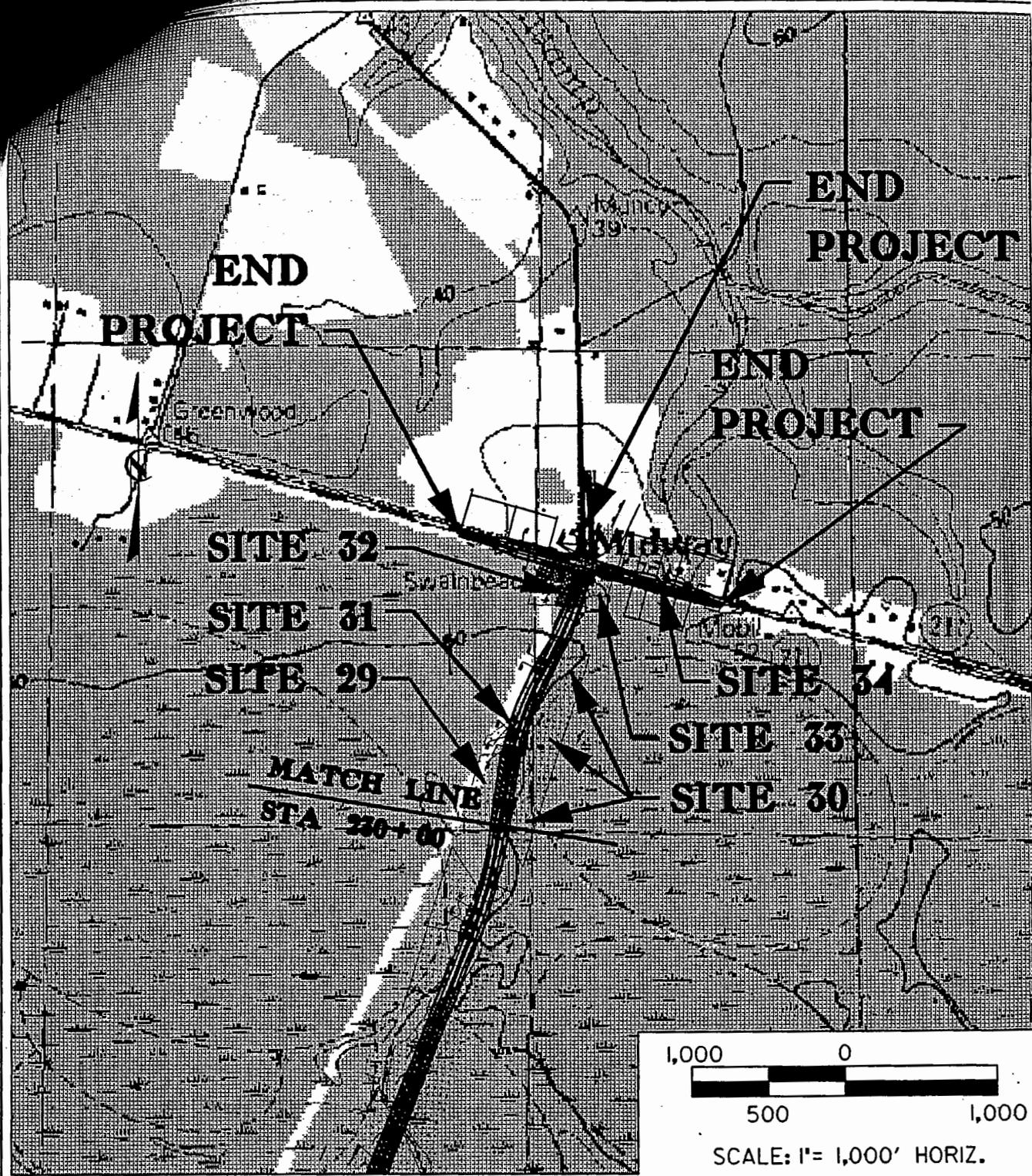
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2 of 4

**NCDOT**  
 DIVISION OF HIGHWAYS  
 BRUNSWICK COUNTY  
 PROJECT 34407.1.1 (R-2245)  
 NEW ROUTE FROM SR 1104  
 (BEACH DR) TO NC 211  
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SITE  
MAP  
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**NCDOT**  
 DIVISION OF HIGHWAYS  
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 PROJECT 34407.1.1 (R-2245)  
 NEW ROUTE FROM SR 1104  
 (BEACH DR) TO NC 211  
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SITE  
MAP  
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NCDOT  
DIVISION OF HIGHWAYS  
BRUNSWICK COUNTY  
PROJECT 34407.1.1 (R-2245)  
NEW ROUTE FROM SR 1104  
(BEACH DR) TO NC 211  
(SECOND BRIDGE TO OAK ISLAND)

**WETLAND PERMIT IMPACT SUMMARY**

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS				SURFACE WATER IMPACTS						
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)		
1	16+00-L- +/- to 19+80 -L- +/- LT	ROADWAY FILL	0.000					0.000					
<b>NO IMPACTS AT SITE 1</b>													
2	15+40 -L- +/- to 19+80 -L- +/- RT	ROADWAY FILL	0.026	0.027									
3	20+70 -L- +/- to 21+20 -L- +/-	CLASS II RIP RAP FILL SLOPE PROTECTION							0.001	0.029			
*4	21+75 -L- +/- to 22+35 -L- +/-	CLASS II RIP RAP FILL SLOPE PROTECTION		0.019					0.000	0.006			
5	56+40 -L- +/- to 60+70 -L- +/-	BRIDGE OVER INTRACOASTAL WATERWAY & BULKHEAD											
6	75+40 -L- +/- to 83+00 -L- +/-	ROADWAY FILL	1.348				0.174	0.082					
<b>TOTALS, This Sheet:</b>			<b>1.374</b>	<b>0.046</b>		<b>0.174</b>		<b>0.082</b>	<b>0.001</b>	<b>0.035</b>			

Total impacts to Coastal Wetlands: 0.019 Acres

- Site 3 Perm. Surface Water Impact Due to Perm. Pile Bents: <0.001 Acres
- Site 4 Perm. Surface Water Impact Due to Perm. Pile Bents: <0.001 Acres
- Site 4 Perm. Surface Water Impact Due to Rowdy Fill: <0.001 Acres
- Site 5 Temp. Surface Water Impact Due to Temp Work Bridge: 0.011 Acres
- Site 5 Temp. Surface Water Impact Due to Temp Bents: <0.001 Acres
- Site 5 Perm. Surface Water Impact Due to Perm. Pile Caps: 0.056 Acres
- Site 5 Perm. Surface Water Impact Due to Bulkhead: 0.012 Acres

SPECIAL EROSION CONTROL FENCE (TEMPORARY FILL) WILL BE PLACED IN SOME AREAS OF MECH. CLEARING.

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

BRUNSWICK COUNTY  
PROJECT: 34407.1.1 (R-2245)

**WETLAND PERMIT IMPACT SUMMARY**

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS				SURFACE WATER IMPACTS						
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)		
*7	ACCESS ROAD 2 13+65 to 14+05 +/-	ACCESS RD FILL (RW to RM)	0.000										
<b>NO IMPACTS TO SITE 7</b>													
8	82+10 -L- +/- to 83+00 -L- +/- LT	ROADWAY FILL	0.046			0.020		0.014					
9	85+95 -L- +/- to 86+65 -L- +/- RT	ROADWAY FILL	0.099			0.007							
10	88+05 -L- +/- to 89+75 -L- +/- LT	ROADWAY FILL	0.108			0.029		0.035					
11	92+65 -L- +/- to 97+50 -L- +/-	ROADWAY FILL	1.203			0.204		0.151		0.010	0.002		52
12	108+20 -L- +/- to 112+65 -L- +/-	ROADWAY FILL	1.013			0.159		0.055					
13	120+85 -L- +/- to 123+05 -L- +/- LT	ROADWAY FILL	0.029			0.041		0.015					
14	122+85 -L- +/- to 126+55 -L- +/-	ROADWAY FILL	0.669			0.081		0.023					
<b>TOTALS, This Sheet:</b>			<b>3.167</b>			<b>0.541</b>		<b>0.293</b>		<b>0.010</b>	<b>0.002</b>		<b>52</b>

\*NOTE: Site 7 has been deleted. It was associated with an access point on the west side of the -L- line.

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

BRUNSWICK COUNTY  
PROJECT: 34407.1.1 (R-2245)

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**WETLAND PERMIT IMPACT SUMMARY**

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS				SURFACE WATER IMPACTS					
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	
15	127+23 -L- +/- to 127+85 -L- +/- RT	ROADWAY FILL	0.003			0.007	0.014					
16	136+35 -L- +/- to 138+30 -L- +/- RT	ROADWAY FILL	0.231			0.045						
17	144+25 -L- +/- to 146+10 -L- +/- LT	ROADWAY FILL	0.325			0.040	0.030					
18	153+40 -L- +/- to 155+25 -L- +/- LT	ROADWAY FILL	0.105			0.042	0.035					
19	159+25 -L- +/- to 163+65 -L- +/-	ROADWAY FILL	1.070			0.091						
20	164+55 -L- +/- to 165+70 -L- +/- LT	ROADWAY FILL	0.142			0.026						
21	173+70 -L- +/- to 182+40 -L- +/-	ROADWAY FILL	2.388			0.385	0.125					
<b>TOTALS, This Sheet:</b>			<b>4.264</b>			<b>0.636</b>	<b>0.204</b>					

NC DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 BRUNSWICK COUNTY  
 PROJECT: 34407.1.1 (R-2245)

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**WETLAND PERMIT IMPACT SUMMARY**

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS				SURFACE WATER IMPACTS				Net State Design (ft)		
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)		Existing Channel Impacts Temp. (ft)	
22	184+50 -L- +/- to 191+85 -L- +/-	ROADWAY FILL	1.445			0.212	0.230						
23	197+05 -L- +/- to 197+70 -L- +/-	ROADWAY FILL	0.161			0.021	0.008						
24	198+55 -L- +/- to 209+30 -L- +/-	ROADWAY FILL	2.889			0.456	0.089						
25	208+60 -L- +/- to 219+90 -L- +/-	ROADWAY FILL	2.497			0.411	0.167						
26	218+65 -L- +/- to 220+45 -L- +/- LT	ROADWAY FILL					0.013						
27	222+25 -L- +/- to 223+65 -L- +/- RT	ROADWAY FILL	0.004			0.021	0.007						
28	225+20 -L- +/- to 225+65 -L- +/- LT	ROADWAY FILL					0.002						
29	229+50 -L- +/- to 235+30 -L- +/-	ROADWAY FILL	0.682			0.123	0.019						
<b>TOTALS, This Sheet:</b>			<b>7.678</b>			<b>1.244</b>	<b>0.535</b>						

NC DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 BRUNSWICK COUNTY  
 PROJECT: 34407.1.1 (R-2245)

ATM Revised 3/3/05

**WETLAND PERMIT IMPACT SUMMARY**

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS						SURFACE WATER IMPACTS				Narrow Sign Design (ft)	
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp (ft)			
30	229+15 -L- +/- to 242+45 -L- +/-	ROADWAY FILL	0.687			0.297	0.091							
31	236+55 -L- +/- to 237+60 -L- +/- LT	ROADWAY FILL	0.073			0.015								
*32	SOUTH WEST CORNER OF -L- and NC-211	ROADWAY FILL	0.514		0.166									
		*Drawdown Effect	0.671											
33	SOUTH EAST CORNER OF -L- and NC-211	ROADWAY FILL	0.047				0.050							
34	24+00 -Y7- (NC-211)	10' w x 8' h RCBC							0.004	0.016	15	80		
**35	ACCESS ROAD 2 15+65 +/- to 16+45 +/-	ACCESS RD FILL (RW to RW)	0.000				0.000							
<b>TOTALS, This Sheet:</b>			1.992		0.166	0.312	0.141		0.004	0.016	15	80		

**NO IMPACTS AT SITE 35**

\* NOTE: Area of drawdown as a result of moving existing roadway ditch: 0.671 Acres

\*\*NOTE: Site 35 has been deleted. It was associated with an access point on the west side of the -L- line.

NC DEPARTMENT OF TRANSPORTATION  
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**WETLAND PERMIT IMPACT SUMMARY**

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS				SURFACE WATER IMPACTS							
			Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)			
*36	ACCESS ROAD 2	ACCESS RD FILL	0.000											
	20+55 +/- to	(RW to R/W)												
	21+95 +/-													
<b>NO IMPACTS AT SITE 36</b>														
TOTALS, This Sheet:			0.000					0.000						
PROJECT TOTALS:			18.475	0.046	0.166	2.907	1.255	0.015	0.053	222	132			

\*\*NOTE: Site 36 has been deleted. It was associated with an access point on the west side of the -L- line.

NC DEPARTMENT OF TRANSPORTATION  
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