

PROJECT SPECIAL PROVISION

(10-18-95)

Z-1

PERMITS

The Contractor's attention is directed to the following permits, which have been issued to the Department of Transportation by the authority granting the permit.

<u>PERMIT</u>	<u>AUTHORITY GRANTING THE PERMIT</u>
Dredge and Fill and/or Work in Navigable Waters (404)	U. S. Army Corps of Engineers
Water Quality (401)	Division of Environmental Management, DENR State of North Carolina

The Contractor shall comply with all applicable permit conditions during construction of this project. Those conditions marked by * are the responsibility of the department and the Contractor has no responsibility in accomplishing those conditions.

Agents of the permitting authority will periodically inspect the project for adherence to the permits.

The Contractor's attention is also directed to Articles 107-10 and 107-14 of the *Standard Specifications* and the following:

Should the Contractor propose to utilize construction methods (such as temporary structures or fill in waters and/or wetlands for haul roads, work platforms, cofferdams, etc.) not specifically identified in the permit (individual, general, or nationwide) authorizing the project it shall be the Contractor's responsibility to coordinate with the Engineer to determine what, if any, additional permit action is required. The Contractor shall also be responsible for initiating the request for the authorization of such construction method by the permitting agency. The request shall be submitted through the Engineer. The Contractor shall not utilize the construction method until it is approved by the permitting agency. The request normally takes approximately 60 days to process; however, no extensions of time or additional compensation will be granted for delays resulting from the Contractor's request for approval of construction methods not specifically identified in the permit.

Where construction moratoriums are contained in a permit condition which restricts the Contractor's activities to certain times of the year, those moratoriums will apply only to the portions of the work taking place in the waters or wetlands provided that activities outside those areas is done in such a manner as to not affect the waters or wetlands.



IN REPLY REFER TO

**DEPARTMENT OF THE ARMY
WILMINGTON DISTRICT, CORPS OF ENGINEERS**

Washington Regulatory Field Office
Post Office Box 1000
Washington, North Carolina 27889-1000

November 17, ~~2003~~
2008

RECEIVED

OCT 28 2008

NC DOT DIV. OF HIGHWAYS
DIVISION 2

Regulatory Division

Action ID No. SAW-1992-02851

Jerry McCrain
EcoScience Corporation
1101 Haynes Street, Suite 101
Raleigh, North Carolina 27604

RECEIVED

OCT 30 2008

NC DOT DIV. OF HIGHWAYS
DIVISION 2 - OPERATIONS

10-24-08
cc DHA
ED
Jay
Mike S
Jim
Preston

SUBJECT: North Carolina Global Transpark
Area B Permit Process

Dear Mr. McCrain:

I have reviewed your Memorandum dated September 16, 2008, regarding the Area B permit process for the North Carolina Global Transpark (NCGTP). This request includes the relocation of approximately 2,200 linear feet of John Mewborne Road, and construction of 2,950 linear feet of access from the Spirit AeroSystems site to the existing road. The proposed work will result in impacts to 0.03 acres of jurisdictional waters. The process that you described accurately reflects the steps and procedures required by the U. S. Army Corps of Engineers for the NCGTP to obtain authorization for activities proposed within Area B, an area that the Authority had not developed specific plans for at the time of permit issuance. This initial Department of the Army (DA) Section 404 permit for construction was issued on October 21, 1998 (Action I. D. 199202851).

Sincerely,

Tracey L. Wheeler
Regulatory Specialist

Attachments

Ms. Darlene Waddell, Executive Director
North Carolina Global TransPark Authority
2780 Jetport Road Suite A
Kinston, North Carolina 28504

Mr. Neil Lassiter
North Carolina Department of Transportation
105 Pictolus Highway
Greenville, North Carolina 27835



Ecoscience

An employee-owned company

September 16, 2008

Ms. Tracey Wheeler
 U.S. Army Corps of Engineers
 Washington Field Office
 P.O. Box 1000
 Washington, North Carolina 27889-1000

Re: Road relocation and construction, Spirit AeroSystems site, N.C. Global TransPark, Kinston,
 N.C. 03-15402

Dear Tracey:

On behalf of the North Carolina Global TransPark (NCGTP) Authority, we are submitting the following project for consideration under the Area B permit process as defined in the Section 404 permit issued to the Authority on October 21, 1998 for activities associated with development of NCGTP. The attached application and drawings will define the project as proposed.

The current activity presented for your consideration involves interior road improvements to the Spirit AeroSystems site located at the southwest end of the NCGTP runway 5 (see Figures 1, 2, 3). This action will require relocation of approximately 2200 linear feet of existing John Mewborne Road from the north side of the site to the south side of the current development area (Figure 2), resulting in approximately 6900 linear feet of newly relocated roadway (to be called Spirit Way). Construction of the new Aerosystems Boulevard from Felix Harvey Parkway to the existing John Mewborne corridor at the northern end of the site will add approximately 2950 linear feet of accessway into the site. Right-of-way width to accomplish these improvements varies from 100 feet along Spirit Way to 200 feet along most of Aerosystems Boulevard. A divided median section (50-foot grassed median with 28 feet of pavement on each side [4 lanes])) is proposed along most of Aerosystems Boulevard though the intersection with Spirit Way; otherwise, the remainder of the road segments will be two, 12-foot lanes with two feet of paved road shoulder. Road shoulders to the limits of disturbance will be grassed, with a minimum separation of 25 feet between the roadway and linear wetlands.

Approximately 0.03 acre (1619.3 square feet) of disturbed (ditched) linear wetland (PUBWx) will be impacted at two sites by proposed road improvements (Figures 4 and 5). Corrugated aluminum pipe, 108 feet in diameter, will be utilized at both sites to allow continued flow and to provide continued connectivity along the linear wetland system. The impact will involve approximately 141 linear feet of wetland at site 1 and 80 feet at site 2 (Figures 4 and 5). This linear wetland system is

A division of
PBSJ

Ms. Tracey Wheeler
September 16, 2008
Page 2

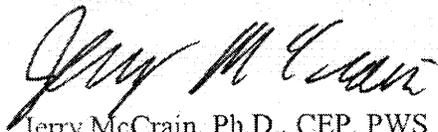
not subject to Neuse River buffer rules (15A NCAC 02B.0233) as confirmed by Mr. John Dorney from the NC Division of Water Quality (DWQ) on February 23, 2002 and re-confirmed by Mr. David Wainwright, DWQ, on September 4, 2008.

Every effort has been made to minimize impacts where feasible. However, area soils are not conducive to building an at-grade facility without extensive sub-grade repairs. Due to poor soil conditions, road segments will be built above existing grade with 3:1 to 4:1 slopes to allow for sufficient drainage (Figures 6 and 7). The proposed profile of the road section has been developed to be compatible with elevations within the Spirit site. Due to the nature of the site (open agricultural or grass lands), land clearing will be limited to areas necessary for placement of the facility. Sediment and erosion control measures, including the use of Best Management Practices, will be employed during land clearing and implementation of drainage improvements (*i.e.* erosion control fencing, elimination of staging areas in sensitive natural areas, immediate re-seeding, *etc.*). Stormwater management will be in keeping with N.C. Department of Transportation standards, as approved by the N.C. Division of Land Quality. No curb and gutter system is proposed; drainage will involve diffuse flow through a grassy medium prior to entry into the linear wetland. Natural drainage patterns will not be compromised. Full compensation for lost or impacted wetland resources have been realized through mitigation provided and completed as part of the NCGTP mitigation plan.

The NCGTP Authority is making every effort to complete improvements as soon as possible. Given that the proposed impacts are in keeping with the purpose and need of the NCGTP project as identified in the project EIS and master plan, and compensation for lost wetland functions and acreage can be mitigated, we hope you will allow this work to proceed as planned.

We will be happy to provide you or your staff with additional information or arrange for a site visit, if so desired. Should you have any questions, please do not hesitate to call me. Thank you for your assistance.

Sincerely,
ECOSCIENCE, A DIVISION OF PBS&J



Jerry McCrain, Ph.D., CEP, PWS
Vice President, Project Director

cc: Ms. Darlene Waddell, NCGTP
Mr. Neil Lassiter, PE, NCDOT

NOTIFICATION NO:

DWQ ID: 970093 (Certification No. 3184)

CORPS ACTION ID: 199202851

**NOTIFICATION APPLICATION FOR AREA "B" WETLAND IMPACTS
NORTH CAROLINA GLOBAL TRANSPARK
KINSTON, NORTH CAROLINA**

INFORMATION OUTLINED IN THIS REQUEST REFERS TO ACTIVITIES AND ASSOCIATED IMPACTS OCCURRING WITHIN THE NORTH CAROLINA GLOBAL TRANSPARK (NCGTP) PERMIT AREA. GENERAL AREAS OF EXPECTED WETLAND IMPACT WERE APPROVED UNDER INDIVIDUAL SECTION 404 PERMIT ISSUED BY THE U.S. ARMY CORPS OF ENGINEERS ON OCTOBER 21, 1998, AND SECTION 401 WATER QUALITY CERTIFICATION ISSUED BY THE N.C. DIVISION OF WATER QUALITY, DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES, ON APRIL 7, 1998. SUFFICIENT DETAIL WAS NOT AVAILABLE AT THE TIME OF PERMIT ISSUANCE TO DEFINE ALL ACTIVITIES OR EXTENT OF IMPACTS WITHIN CERTAIN WETLANDS, IDENTIFIED AS "AREA B WETLANDS", IN THE PERMIT. THIS DISCLOSURE FORM IS TO PROVIDE NOTIFICATION OF INTENT TO PURSUE DESCRIBED ACTIVITIES, TO IDENTIFY EXPECTED WETLAND IMPACTS, AND TO SHOW MEASURES USED TO AVOID OR MINIMIZE WETLAND ENCROACHMENT:

SPONSOR: **N.C. GLOBAL TRANSPARK**SPONSOR ADDRESS: 2780 Jetport Road, Suite A, Kinston North Carolina 28504SPONSOR CONTACT: Darlene Waddell, Executive Director TELEPHONE NUMBER: (252)522-4929

PROJECT LOCATION WITHIN NCGTP (PARCEL NUMBER OR ADDRESS)

Interior road relocation and construction, Spirit AeroSystems site southwest of NCGTP runway**CLIENT INFORMATION**1. CLIENT NAME: N.C. Department of Transportation2. MAILING ADDRESS: 105 Pictolus Highway (NC 33)3. CITY: Greenville STATE: NC ZIP CODE: 27835

4. AGENT'S NAME OR RESPONSIBLE CORPORATE OFFICIAL, ADDRESS, PHONE NUMBER:

Mr. Neil Lassiter, P.E.
(See address above)
252-830-3490

PROJECT INFORMATION

1. DESCRIPTION OF PROPOSED WORK (ATTACH 8 1/2" X 11" PLAN DRAWINGS): Construct interior access road into the Spirit AeroSystems site, including relocation of existing John Mewborne Road.

2. PURPOSE OF PROPOSED WORK: Provide access to the proposed Spirit AeroSystems complex currently proposed for development at the southwest end of the NCGTP runway.

3. SIZE (ACREAGE) OF THE TRACT: 307.0 acres

4. NUMBER OF ACRES OF WETLANDS ON THE TRACT AS DESCRIBE IN THE NCGTP PERMIT APPLICATION AND FINAL ENVIRONMENTAL IMPACT STATEMENT: 0.82 acre within 307-acre site

5. TYPE OF WETLANDS TO BE IMPACTED: Palustrine (ditched) (PUBWx)

6. NUMBER OF ACRES OF WETLANDS IMPACTED BY THE PROPOSED PROJECT BY:

FILLING: 0.03 ac EXCAVATION: 0

FLOODING: 0 OTHER:

DRAINAGE: 0

TOTAL ACRES TO BE IMPACTED: 0.03 acre

7. (1) STREAM CHANNEL TO BE IMPACTED BY THE PROPOSED PROJECT (IF RELOCATED, PROVIDE DISTANCE BOTH BEFORE AND AFTER RELOCATION):

LENGTH BEFORE: N/A FT AFTER: N/A FT

WIDTH BEFORE (based on normal high water contours): N/A FT

WIDTH AFTER: N/A FT

AVERAGE DEPTH BEFORE: N/A FT AFTER: N/A FT

(2) STREAM CHANNEL IMPACTS WILL RESULT FROM: (CHECK ALL THAT APPLY)

OPEN CHANNEL RELOCATION: N/A PLACEMENT OF PIPE IN CHANNEL:

CHANNEL EXCAVATION: N/A CONSTRUCTION OF A DAM/FLOODING:

OTHER:

8. STATE REASONS WHY IT IS BELIEVED THAT THIS ACTIVITY MUST BE CARRIED OUT IN WETLANDS:

Development of facilities such as Spirit AeroSystems is in keeping with the purpose and need of NCGTP; this project is also in keeping with the approved Master Plan and EIS for NCGTP. The road system is necessary to access the site and must cross a small disturbed linear wetland in order to provide needed egress and ingress.

9. DESCRIBE MEASURES USED TO AVOID OR MINIMIZE WETLAND IMPACTS:

Interior road construction, including re-location of existing John Mewborn Road, has been designed to minimize and avoid impacts. The Spirit development will not impact any jurisdictional areas. No new crossing of Stonyton Creek is proposed. The two crossings of the small linear wetland by proposed road improvements have been designed to minimize impacts through reduction of road side slopes to 3:1 where feasible, keeping the road to a two-lane facility except at the median sections (Aerocsystems Boulevard), and elimination of curb and gutter construction (diffuse flow of runoff through grassy slopes and medians).

10. WILL ADDITIONAL EXPANSION OCCUR ON THIS PROPERTY IN THE FUTURE WHICH MAY AFFECT WETLANDS/WATERS? YES X NO X IF YES, DESCRIBE ANTICIPATED WORK.

Additional impacts within the NCGTP complex are anticipated. However, future expansion with the 307-acre Spirit AeroSystems site is not expected to impact additional jurisdictional area

11. DESCRIBE PROPOSED STORMWATER IMPROVEMENTS OR APPLICABILITY OF NCGTP STORMWATER MASTER PLAN TO THIS TRACT:

Point source discharges are not proposed. Curb and gutter construction will not be utilized. Project will follow NCDOT stormwater standards approved by DEHR. Diffuse flow of runoff through grassy slopes and roadway medians proposed. Existing drainage pathways will be maintained and respected.

NOTE: AREA "B" WETLANDS OR WATERS OF THE U.S. MAY NOT BE IMPACTED PRIOR TO:

- 1) REVIEW AND APPROVAL BY THE U.S. ARMY CORPS OF
- 2) REVIEW AND APPROVAL BY THE N.C. DIVISION OF WATER QUALITY, DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCE

Robert A. Walden
SPONSOR'S SIGNATURE

7-16-08
DATE

Guy McLean
CLIENT/OWNER-AGENT SIGNATURE

9-16-08
DATE

MINIMUM CRITERIA DETERMINATION CHECKLIST

The following questions provide direction in determining when the Department is required to prepare environmental documents for state-funded construction and maintenance activities. Answer questions for Parts A through C by checking either yes or no. Complete Part D of the checklist when Minimum Criteria Rule categories #8 or #15 are used.

TIP Project No.: U-2928 AB

State Project No.: 38989.3.6

Project Location: Global Transpark, Kinston, NC

Project Description: Construct Aerosystems Blvd. and Spirit Way within the GTP. Approximately 9850 linear ft.

Anticipated Permit or Consultation Requirements: N/A

Special Project Information: This project includes interior road improvements to the Spirit Aerosystems site located at the southwest end of the North Carolina Global TransPark runway 5. The project relocates approximately 2200 linear feet of existing John Mewborne Road (SR1581) from the north side of the site to the south side of the current development area, resulting in approximately 6900 linear feet of newly relocated roadway (to be called Spirit Way). Construction of the new Aerosystems Boulevard from Felix Harvey Parkway to the existing John Mewborne corridor at the northern end of the site will add approximately 2950 linear feet of roadway into the site.

PART A: MINIMUM CRITERIA

YES NO

Item 1 to be completed by the Engineer.

1. Is the proposed project listed as a type and class of activity allowed under the Minimum Criteria Rule in which environmental documentation is not required?

If the answer to number 1 is "no", then the project does not qualify as a minimum criteria project. A state environmental assessment is required.

If yes, under which category? 15

If either category #8 or #15 is used complete Part D of this checklist.

PART B: MINIMUM CRITERIA EXCEPTIONS

Items 2-4 to be completed by the Engineer.

2. Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse air quality impacts?
3. Will the proposed activity have secondary impacts or cumulative impacts that may result in a significant adverse impact to human health or the environment?
4. Is the proposed activity of such an unusual nature or does the proposed activity have such widespread implications, that an uncommon concern for its environmental effects has been expressed to the Department?

Item 5-8 to be completed by Division Environmental Officer.

5. Does the proposed activity have a significant adverse effect on wetlands; surface waters such as rivers, streams, and estuaries; parklands; prime or unique agricultural lands; or areas of recognized scenic, recreational, archaeological, or historical value?
6. Will the proposed activity endanger the existence of a species on the Department of Interior's threatened and endangered species list?
7. Could the proposed activity cause significant changes in land use concentrations that would be expected to create adverse water quality or ground water impacts?

- | | YES | NO |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| 8. Is the proposed activity expected to have a significant adverse effect on long-term recreational benefits or shellfish, finfish, wildlife, or their natural habitats | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

If any questions 2 through 8 are answered "yes", the proposed project may not qualify as a Minimum Criteria project. A state environmental assessment (EA) may be required. For assistance, contact:

Manager, Project Development and Environmental Analysis Branch
 P. O. Box 25201
 Raleigh, NC 27611
 (919) 733-3141
 Fax: (919) 733-9794

PART C: COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

Items 9-12 to be completed by Division Environmental Officer.

- | | YES | NO |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| 9. Is a federally protected threatened or endangered species, or its habitat, likely to be impacted by the proposed action? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10. Does the action require the placement of temporary or permanent fill in waters of the United States? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11. Does the project require the placement of a significant amount of fill in high quality or relatively rare wetland ecosystems, such as mountain bogs or pine savannahs? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12. Is the proposed action located in an Area of Environmental Concern, as defined in the coastal Area Management Act? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Items 13-15 to be completed by the Engineer.

- | | | |
|--------------------------------------------------------------------|--------------------------|-------------------------------------|
| 13. Does the project require stream relocation or channel changes? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------------------------------------------------|--------------------------|-------------------------------------|

Cultural Resources

- | | | |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| 14. Will the project have an "effect" on a property or site listed on the National Register of Historic Places? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15. Will the proposed action require acquisition of additional right of way from publicly owned parkland or recreational areas? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Questions in Part "C" are designed to assist the Engineer and the Division Environmental Officer in determining whether a permit or consultation with a state or federal resource agency may be required. If any questions in Part "C" are answered "yes", follow the appropriate permitting procedures prior to beginning project construction.

PART D: (To be completed when either category #8 or #15 of the rules are used.)*Items 16- 22 to be completed by Division Environmental Officer.*

16. Project length:	<u>9850'</u>
17. Right of Way width:	<u>100' - 200'</u>
18. Project completion date:	<u>DECEMBER, 2009</u>
19. Total acres of newly disturbed ground surface:	<u>18.76</u>
20. Total acres of wetland impacts:	<u>0.03</u>
21. Total linear feet of stream impacts:	<u>221</u>
22. Project purpose:	<u>Road Relocation</u>

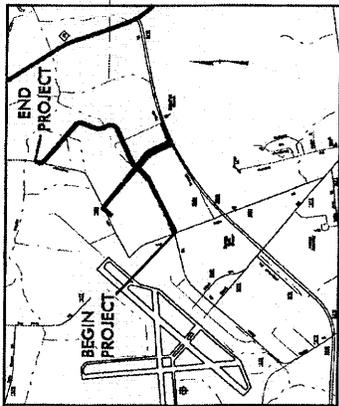
If Part D of the checklist is completed, send a copy of the entire checklist document to:

Don G. Lee
 State Roadside Environmental Engineer
 Mail Service Center 1557
 Raleigh, NC 27699-1557
 (919) 733-2920
 Fax (919) 733-9810
 Email: dlee@dot.state.nc.us

Reviewed by: *Dwayne H. Allegood* Date: 11/26/08
 Lead Engineer

Michael W. Sutton Date: 11/26/08
 Division Environmental Officer
 SPECIALIST

See Sheet 1-A For Index of Sheets



VICINITY MAP

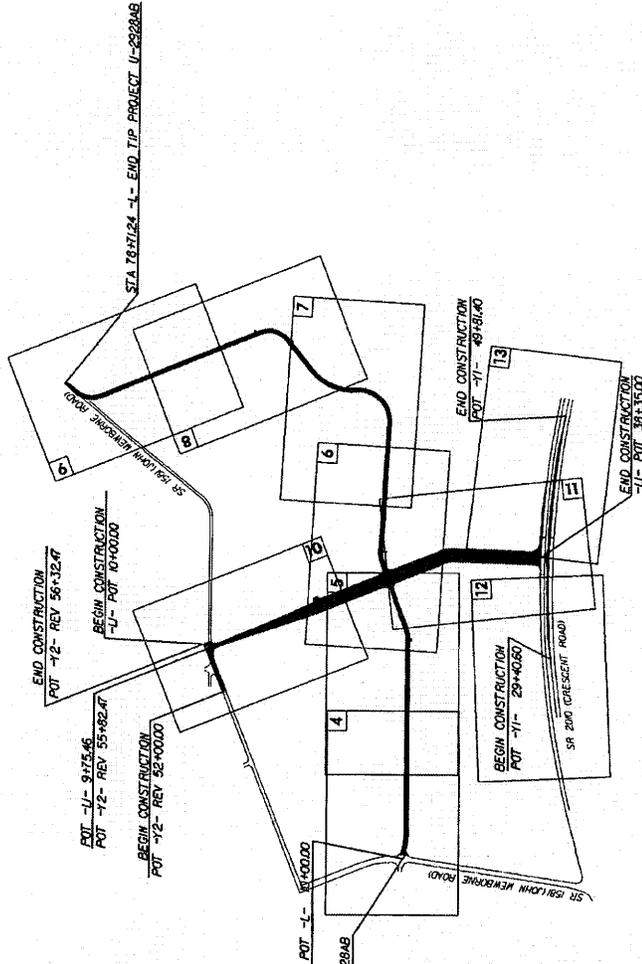
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
LENOIR COUNTY

LOCATION: **KINSTON GLOBAL TRANSPARK, SPIRIT WAY
AND AROSYSTEMS BOULEVARD CONSTRUCTION
AND EXTENSION**

TYPE OF WORK: **GRADING, DRAINAGE, PAVING**

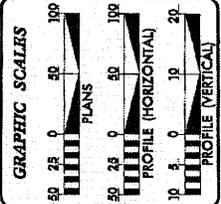
STATE	N.C.	PROJECT NUMBER	U-2928AB
COUNTY	LENOIR	DATE	1
PROJECT NAME	KINSTON GLOBAL TRANSPARK, SPIRIT WAY AND AROSYSTEMS BOULEVARD CONSTRUCTION AND EXTENSION		
DESIGNER	389891.1	DATE	1
CONTRACTOR	389891.3.6	DATE	1
CONSTRUCTION	CONST	DATE	1

67



STA 0+00.00 - BEGIN TIP PROJECT U-2928AB

TRAFFIC SEPARATION REQUIRED FOR DESIGN SPEED



DESIGN DATA

ADT 2007 = 960
ADT 2023 = 3000
DHW = 30 %
D = 40 %
T = 4 %
V = 50 MPH
* TST 2 DUAL 2
**POSTED 35 MPH

PROJECT LENGTH

LENGTH ROADWAY TIP PROJECT U-2928AB = 1.301 MILES
TOTAL LENGTH TIP PROJECT U-2928AB = 1.301 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
1104 N. Green St., Greenville, NC, 27835
SUN THROUGH SEPARATION

RIGHT OF WAY DATE: 10/31/08
LETTING DATE: 01/20/09

PROJECT ENGINEER: DWAYNE ALLGOOD
PROJECT NUMBER: U-2928AB

PROJECT ENGINEER: DWAYNE ALLGOOD
PROJECT NUMBER: U-2928AB

HYDRAULICS ENGINEER: [Signature]
SEAL 10/10

ROADWAY DESIGN ENGINEER: [Signature]
SEAL 10/10

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

TIP PROJECT: U-2928AB

CONTRACT: C202149

5-MW-2908 (Rev. 05/10) Project Files\Lenoir\Spirit\Aerosystems\contract\spirit\ddc2.psh.ldgn
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