

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1SP.10215.1	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
1SP.10215.1		PE, CONST	

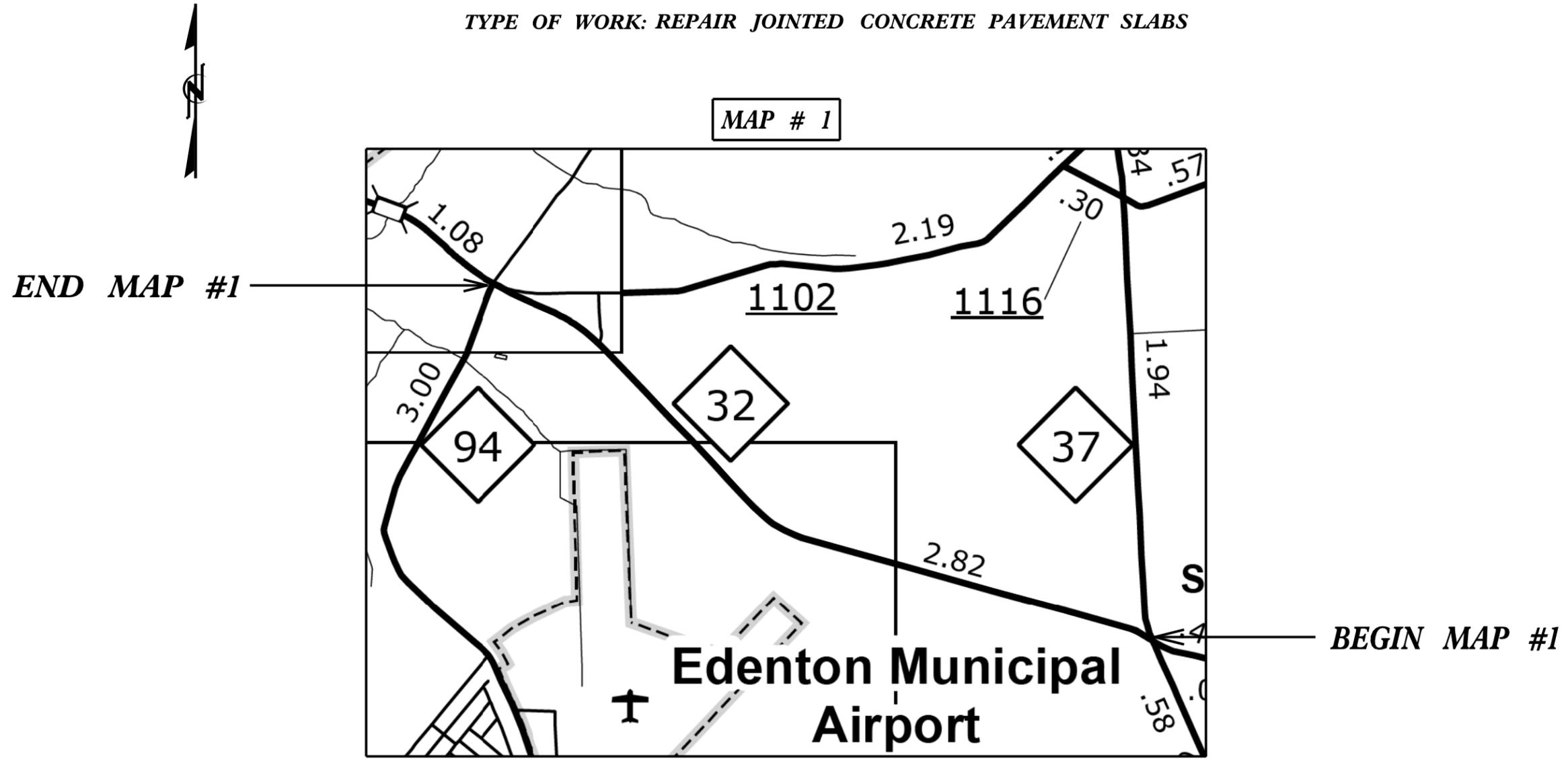
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

CHOWAN COUNTY

LOCATION: MAP #1 NC 32 FROM NC 37 TO NC 94

TYPE OF WORK: REPAIR JOINTED CONCRETE PAVEMENT SLABS

CONTRACT: DA00222 WBS ELEMENT: ISP.10215.1



**NTS**

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT MAP 1 = 3.36 MI.

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**

113 Airport Dr., Edenton NC, 27932

2012 STANDARD SPECIFICATIONS

LETTING DATE:

**W.B. HOBBS, P.E.**  
DIVISION PROJECT MANAGER

**C.E. SLACHTA**  
DIVISION PROPOSALS ENGINEER



10-FEB-2015 10:53 C:\Users\stfenwick\Desktop\Current Projects\Concrete Pavement Repair\ISP.10215.1.D01\_shi.dgn stfenwick AT DICAD265783

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES AND STANDARD DRAWINGS
2	PAVEMENT SCHEDULE AND TYPICAL SECTIONS
3	ROADWAY SUMMARIES

GENERAL NOTES:

2012 SPECIFICATIONS  
EFFECTIVE: 01-17-12  
REVISED: 11/01/11

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

ADHESIVELY ANCHORED ANCHOR BOLTS OR DOWELS:

FIELD TESTING INSTALLED DOWELS FOR ADEQUATE ADHESIVE WILL NOT BE REQUIRED ON THIS PROJECT.

2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
225.02	Guide for Grading Subgrade - Secondary and Local
DIVISION 4 - CONCRETE STRUCTURES	
420.13	ADHESIVELY ANCHORED ANCHOR BOLTS OR DOWELS
DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS	
700.01	Concrete Pavement Joints - Construction and Contraction Joints
700.03	Dowel Assembly
700.04	Concrete Pavement Header Board
700.05	Tying Proposed Pavement to Existing

6/2/09

# PAVEMENT SCHEDULE

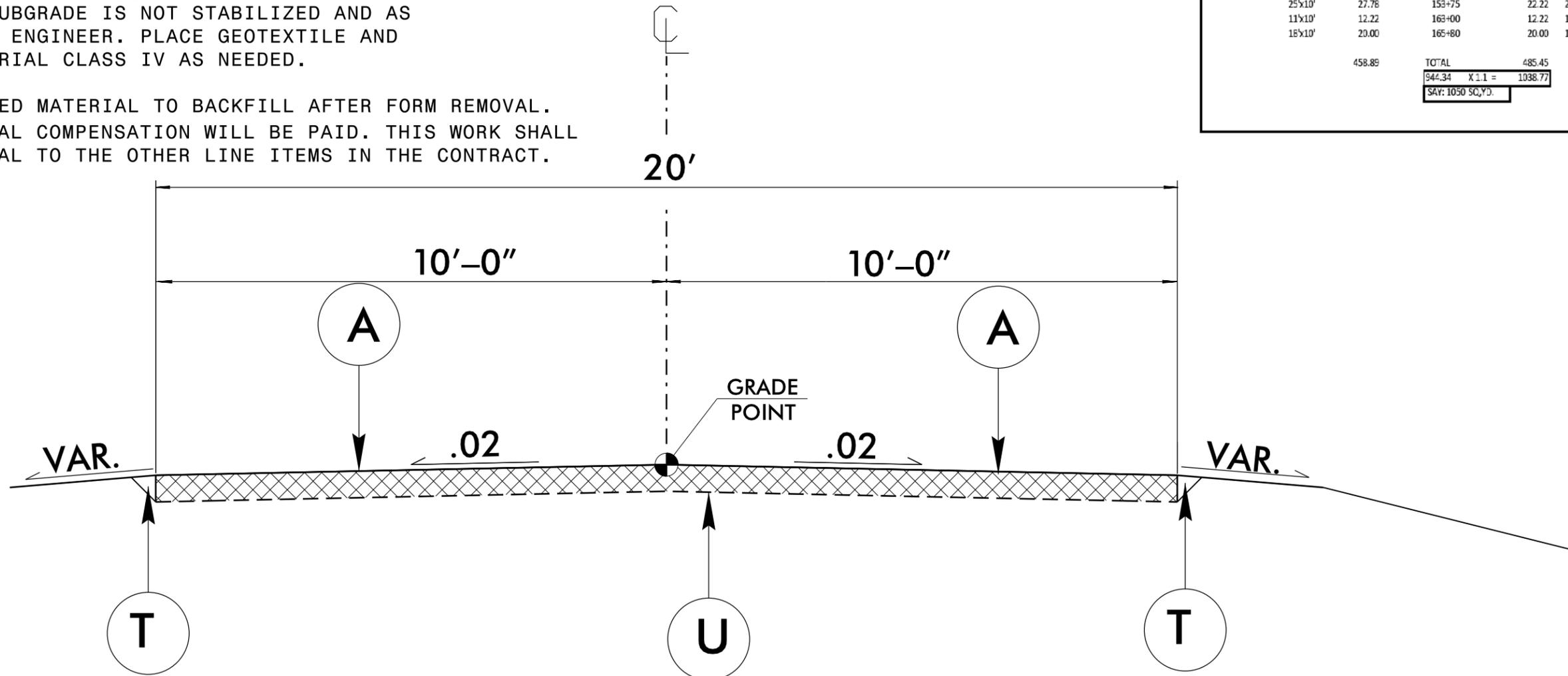
A	PROPOSED APPROX. 8½" PORTLAND CEMENT CONCRETE PAVEMENT. MATCH DEPTH OF ADJACENT EXISTING CONCRETE PAVEMENT.
T	EARTH MATERIAL, BACKFILL AFTER FORM REMOVAL.
U	EXISTING CONCRETE PAVEMENT TO BE REMOVED IN AREAS APPROVED BY ENGINEER.

**NOTES:**

USE UNDERCUT EXCAVATION ONLY WHEN SUBGRADE IS NOT STABILIZED AND AS DIRECTED BY ENGINEER. PLACE GEOTEXTILE AND SELECT MATERIAL CLASS IV AS NEEDED.

USE EXCAVATED MATERIAL TO BACKFILL AFTER FORM REMOVAL. NO ADDITIONAL COMPENSATION WILL BE PAID. THIS WORK SHALL BE INCIDENTAL TO THE OTHER LINE ITEMS IN THE CONTRACT.

		PROJECT REFERENCE NO.	SHEET NO.
		ISP10215J	2
BEGIN AT INTERSECT NC 37	LT. LANE	STATION	RT. LANE
	SQ.YD.	0+00	SQ.YD.
12'x10'	13.33	15+60	7.78 7'x10'
23'x10'	25.56	16+54	25.56 23'x10'
15'x10'	16.67	23+50	16.67 15'x10'
17'x10'	18.89	53+40	18.89 17'x10'
30'x10'	33.33	58+50	33.33 30'x10'
18'x10'	20.00	65+40	20.00 18'x10'
22'x10'	24.44	77+75	24.44 22'x10'
		85+45	16.67 15'x10'
12'x10'	13.33	86+30	29.89 26'x10'
46'x10'	51.11	94+15	51.11 46'x10'
32'x10'	35.56	102+75	35.56 32'x10'
30'x10'	33.33	115+00	33.33 30'x10'
24'x10'	26.67	118+90	26.67 24'x10'
19'x10'	21.11	133+35	21.11 19'x10'
15'x10'	16.67	144+30	10.00 9'x10'
38'x10'	42.22	152+50	42.22 38'x10'
6'x10'	6.67	153+25	17.78 16'x10'
25'x10'	27.78	153+75	22.22 20'x10'
11'x10'	12.22	163+00	12.22 11'x10'
18'x10'	20.00	165+80	20.00 18'x10'
	458.89	TOTAL	485.45
		944.34 X 1.1 =	1038.77
		SAV: 1050 SQ.YD.	



TYPICAL SECTION NO. 1  
USE: FROM NC 37 TO NC 94

I9-MAR-2015 14:48  
 C:\Users\jferwick\Desktop\Projects\Concrete Pavement Repair\ISP10215\1.D01.sn2.dgn  
 ferwick

PROJECT NO.	SHEET NO.
1SP.10215.1	3

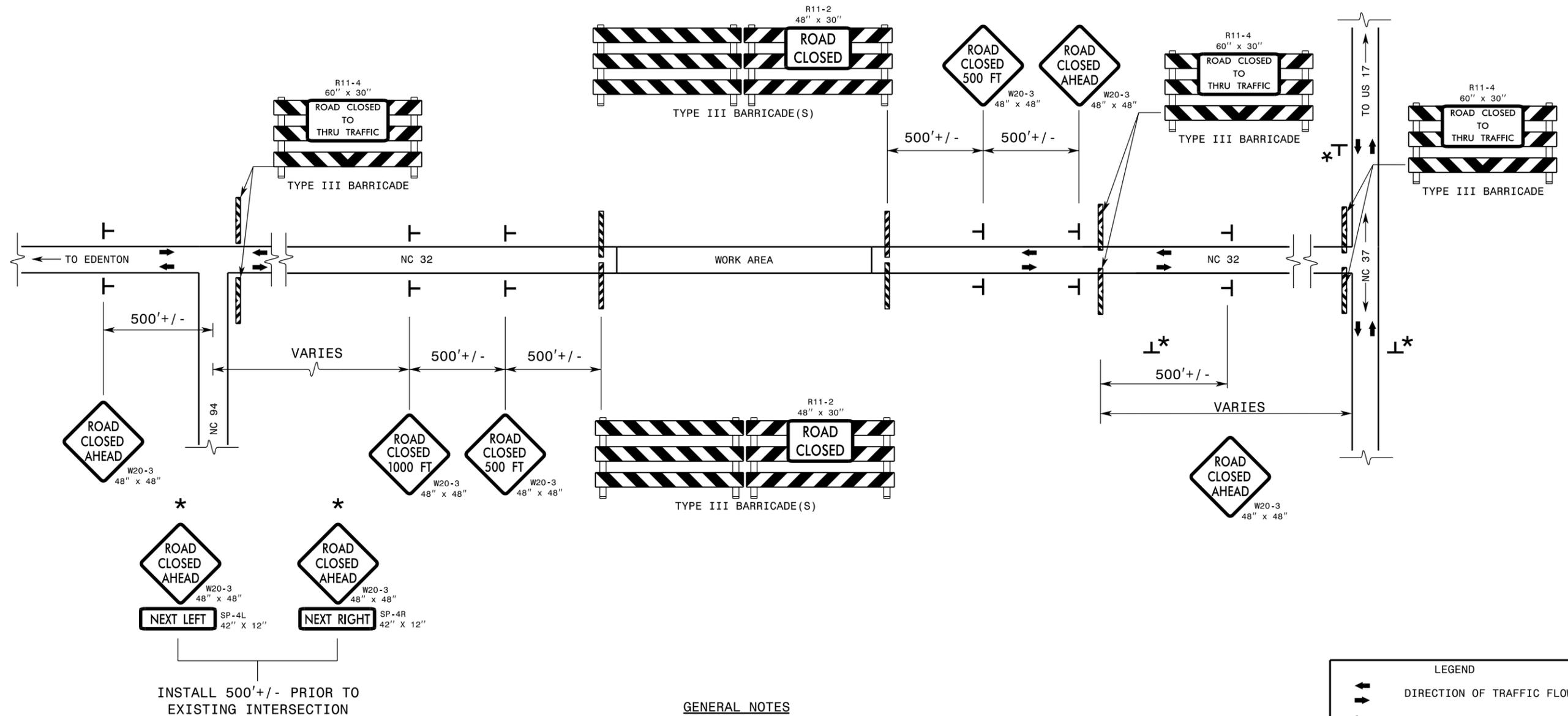
## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	MOBILIZATION LS	UNDERCUT EXCAVATION CY	GEOTEXTILE FOR SOIL STABILIZATION SY	CLASS IV SUBGRADE STABILIZATION TON	GENERIC PAVING ITEM (REPAIR OF JOINTED CONCRETE PAVEMENT SLABS) SY	TEMPORARY TRAFFIC CONTROL LS	4" WHITE POLYUREA (HIGHLY REFLECTIVE ELEMENTS) LF	4" YELLOW POLYUREA (HIGHLY REFLECTIVE ELEMENTS) LF
1SP.10215.1	Chowan	1	NC 32	FROM NC 37 TO NC 94	1	2	2WU	NO	NO	3.36	20	1	175	1,050	236	1,050	1	36,154	22,176
<b>TOTAL FOR PROJ NO. 1SP.10215.1</b>										<b>3.36</b>		<b>1</b>	<b>175</b>	<b>1,050</b>	<b>236</b>	<b>1,050</b>	<b>1</b>	<b>36,154</b>	<b>22,176</b>

WBS ELEMENT: ISP.10215.1

CONTRACT #: DA00222

# TRAFFIC MANAGEMENT FOR TEMPORARY ROAD CLOSURE



### ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH N.C., ARE CONSIDERED A PART OF THE PLANS:

STD. NO.	TITLE
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1135.01	CONES
1145.01	BARRICADES
904.10	ORIENTATION OF GROUND MOUNTED SIGNS

### GENERAL NOTES

- INSTALLATION OF TEMPORARY ROUTE MARKERS, DESTINATION SIGNS AND ANY NECESSARY MODIFICATIONS TO EXISTING OR PROPOSED REGULATORY OR WARNING SIGNS WILL BE MADE BY OTHERS (STATE OR CITY FORCES) UNLESS OTHERWISE DESIGNATED IN PLANS. PROVIDE A MINIMUM 21 CALENDAR DAY NOTICE TO STATE FORCES BEFORE A ROADWAY IS CLOSED TO TRAFFIC SUCH THAT NECESSARY PROVISIONS CAN BE MADE TO INFORM LOCAL EMERGENCY AND LAW ENFORCEMENT PERSONNEL, SCHOOLS OR ANY OTHER PARTIES AFFECTED BY THE ROAD CLOSURE.
- INSTALL SIGNS BEFORE THE BARRICADES WHEN CLOSING THE ROADWAY TO TRAFFIC. REMOVE BARRICADES BEFORE SIGNS WHEN OPENING THE ROADWAY TO TRAFFIC. INSTALL/REMOVE SIGNS AND BARRICADES WITHIN THE SAME CALENDAR DAY.
- POSITION WING BARRICADES ON THE SHOULDERS AND SLOPE THE STRIPES DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN IN DETOURING.
- USE ADDITIONAL TYPE III BARRICADES IN STAGGERED LOCATIONS SUPPLEMENTED WITH SIGN R11-4 "ROAD CLOSED TO THRU TRAFFIC" IN THE EVENT THAT TRAFFIC MUST BE MAINTAINED BEYOND THE DETOUR POINT.
- SEE STANDARD SPECIFICATION 1089-1 FOR WORK ZONE SIGNS.
- SEE STANDARD SPECIFICATION 1089-2 FOR WORK ZONE SIGN SUPPORTS.

LEGEND	
↔	DIRECTION OF TRAFFIC FLOW
T	STATIONARY SIGN
▨	BARRICADE (TYPE III)

PROJECT: ISP.10215.1  
CHOWAN COUNTY

REPAIR JOINTED CONCRETE SLABS  
 STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION ONE - DDC

TRAFFIC MANAGEMENT PLAN

NOT TO SCALE  
 20' ROADWAY

DRAWN BY: SPF DATE: 3/10/15  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

REVISIONS						SHEET NO. 4
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			1			
2			2			