

WBS ELEMENT: 45079.3.STI TIP PROJECT: R-5151

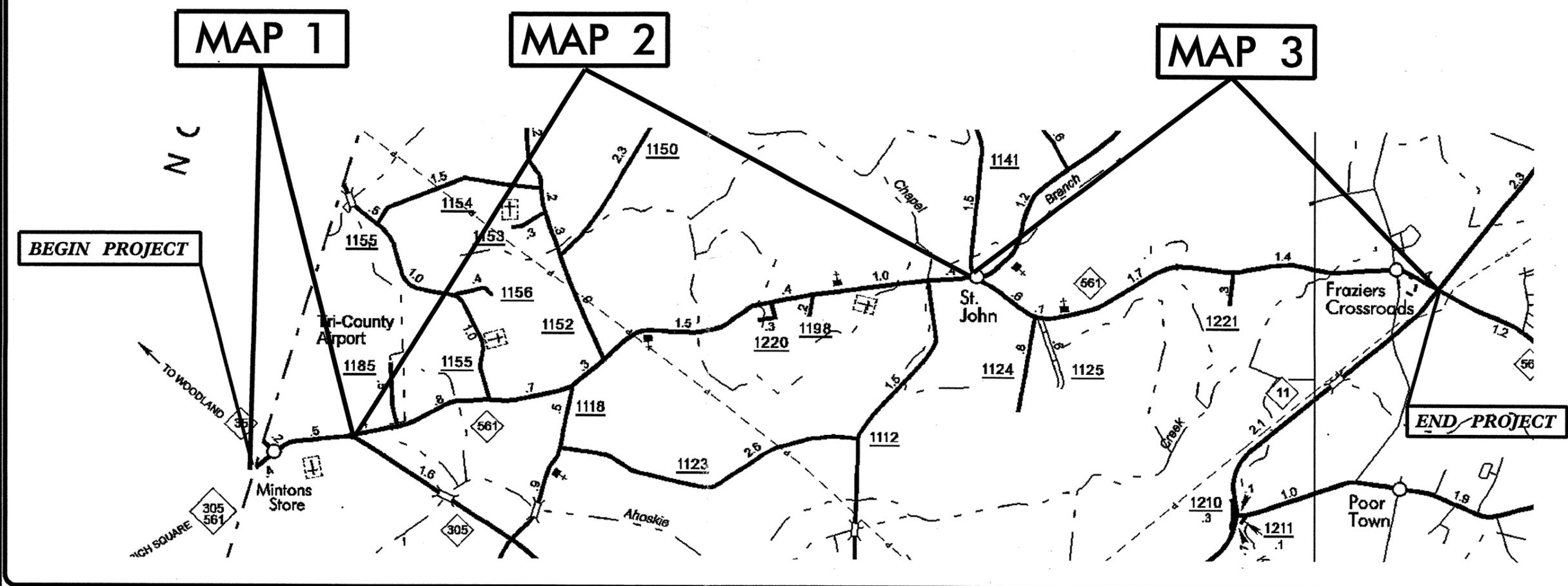
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD COUNTY

LOCATION: NC 561 - FROM NORTHAMPTON COUNTY LINE
(NEAR RICH SQUARE, NC) TO NC 11 (IN AHOSKIE, NC)

TYPE OF WORK: WIDENING, RESURFACING AND LONG LIFE PAVEMENT MARKINGS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5151	1	3
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
45116.3.STI	STM-0561(20)		



NTS

PROJECT LENGTH
LENGTH ROADWAY STATE PROJECT = 10.21 MILES
TOTAL LENGTH STATE PROJECT = 10.21 MILES

Prepared in the Office of:
DIVISION OF HIGHWAYS
113 Airport Dr., Edenton NC, 27610

2006 STANDARD SPECIFICATIONS

LETTING DATE:
August 18, 2009

W. B. HOBBS, P.E.
C. E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

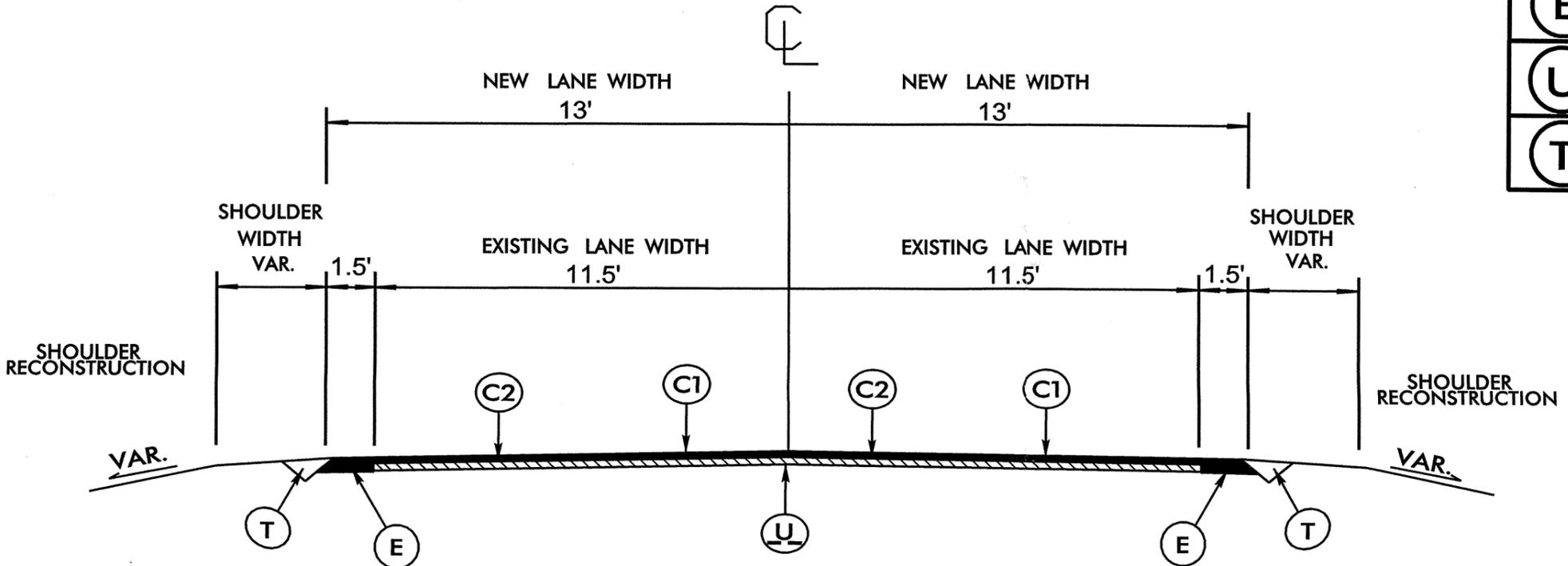
NC 561

*** ASPHALT SURFACE TREATMENT DETAIL:**

- 1) CLEAN SURFACE THOROUGHLY TO REMOVE ALL LOOSE OR OBJECTIONABLE MATERIAL.
- 2) APPLY MAT COAT TO EXISTING SURFACE IN ACCORDANCE WITH 660-9(A), USING NO. 6 STONE.
- 3) APPLY SEAL COAT TO EXISTING SURFACE IN ACCORDANCE WITH 660-9(B)(2) SPLIT SEAL, USING 2 LAYERS OF NO. 78M STONE.
- 4) INCLUDE A UNIFORM LAYER OF BLOTING SAND TO SURFACE AND ALLOW TO SIT FOR 14 DAYS BEFORE OVERLAYING WITH PLANT MIX.

PROJECT REFERENCE NO.	SHEET NO.
R-5151	2 OF 3

(C1)	PROP. APPROX. 1.5" ACSC TYPE S9.5B AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.
(C2)	PROPOSED ASPHALT SURFACE TREATMENT, MAT & SEAL - *SEE DETAIL
(E)	PROP. APPROX. 6" ACBC, TYPE B25.0B AT AN AVERAGE RATE OF 684 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT
(T)	EARTH MATERIAL



NOTES:

- ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER
- EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES
- PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

PROPOSED CONSTRUCTION SEQUENCE:

- 1) WIDEN ROADWAY TO A WIDTH OF 26'.
- 2) APPLY ASPHALT SURFACE TREATMENT, MAT & SEAL. INCLUDE A UNIFORM LAYER OF BLOTING SAND.
- 3) ALLOW SURFACE TO SIT FOR 14 DAYS.
- 4) APPLY TEMPORARY PAINT.
- 5) CLEAN THE ROADWAY SURFACE OF ALL DUST, DIRT, OR ANY OTHER DELETERIOUS MATTER PRIOR TO OVERLAYING.
- 6) PLACE APPROXIMATELY 1.5" OF S9.5B SURFACE ASPHALT.
- 7) RECONSTRUCT SHOULDERS.
- 8) PERFORM SEEDING & MULCHING ON SHOULDERS.
- 9) APPLY THERMOPLASTIC MARKING LINES AND RAISED PAVEMENT MARKERS.

TYPICAL SECTION #1

USE WITH MAPS 1-3

PROJECT NO. R-5151	SHEET NO. 3	TOTAL NO. 3
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SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	MOBILIZATION LS	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	BASE COURSE, B25.0B TONS	SURFACE COURSE, S9.5B TONS	PG 64-22 PLANT MIX TONS	ASPHALT SURFACE TREATMENT, MAT & SEAL SY	SEED & MULCHING AC	TRAFFIC CONTROL LS
R-5151	Hertford	1	NC 561	FROM NORTHAMPTON COUNTY LINE TO NC 305	1	0.68	26	1	50	1.36	563	1,075	87	10,400	0.9	1
R-5151	Hertford	2	NC 561	FROM NC 305 TO NC 461	1	5.46	26	1	500	10.92	4,519	7,770	661	83,273	6.7	*
R-5151	Hertford	3	NC 561	FROM NC 461 TO NC 11	1	4.07	26	1	700	8.14	3,369	5,792	505	62,040	5.0	*
TOTAL FOR PROJ NO. 45079.3.ST1						10.21		1	1,250	20.42	8,451	14,637	1,253	155,713	12.6	1
GRAND TOTAL						10.21		1	1,250	20.42	8,451	14,637	1,253	155,713	12.6	1

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LENGTH MI	WIDTH FT	4685000000-E 4" X 90 M WHITE THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4710000000-E 24" X 120 M WHITE THERMO LF	4810000000-E 4" YELLOW PAINT LF	4900000000-E YELLOW & YELLOW MARKERS EA
R-5151	Hertford	1	NC 561	FROM NORTHAMPTON COUNTY TO NC 305	1	0.68	26	7,338	5,000		9,500	55
R-5151	Hertford	2	NC 561	FROM NC 305 TO NC 461	1	5.46	26	58,739	36,029		72,060	375
R-5151	Hertford	3	NC 561	FROM NC 461 TO NC 11	1	4.07	26	43,761	26,842	50	53,688	282
TOTAL FOR PROJ NO. 45079.3.ST1						10.21		109,838	67,872	50	135,248	712
GRAND TOTAL						10.21		109,838	67,872	50	135,248	712

