

09/08/99

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2018CPT.01.04.10211.1, ETC.	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2018CPT.01.04.10211.1		MAP 1	
2018CPT.01.04.10211.1		MAP 2	

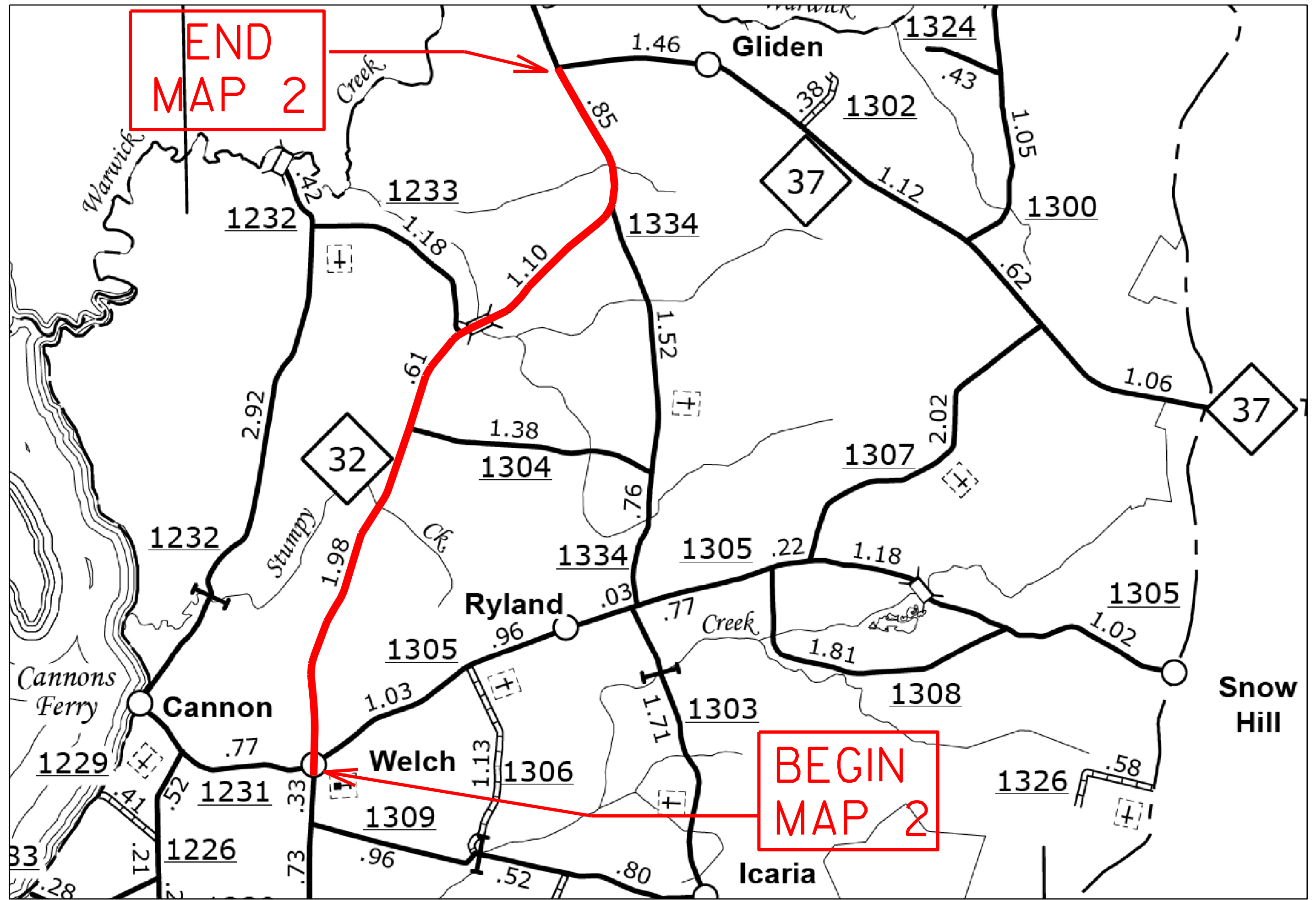
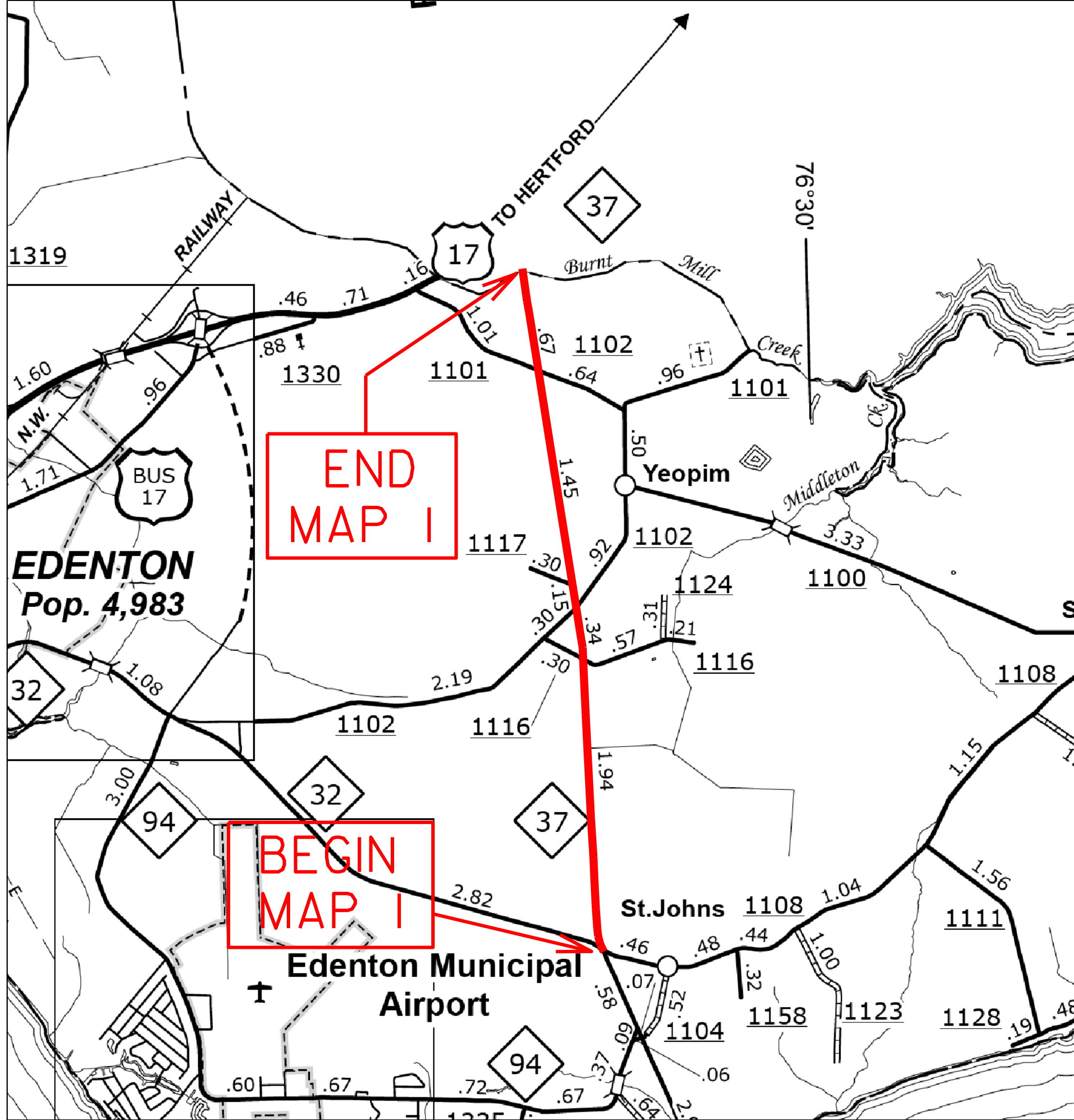
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CHOWAN COUNTY

LOCATION: MAP 1 NC 37 FROM NC 32 TO PERQUIMANS COUNTY
MAP 2 NC 32 FROM SR 1305 TO NC 37
TYPE OF WORK: MILLING, RESURFACING, & PAVEMENT MARKINGS



CONTRACT: DA00373 WBS PROJECT: 2018CPT.01.04.10211.1, ETC.



NOT TO SCALE

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT MAP 1 = 4.64 MI.
LENGTH OF ROADWAY PROJECT MAP 2 = 4.55 MI.

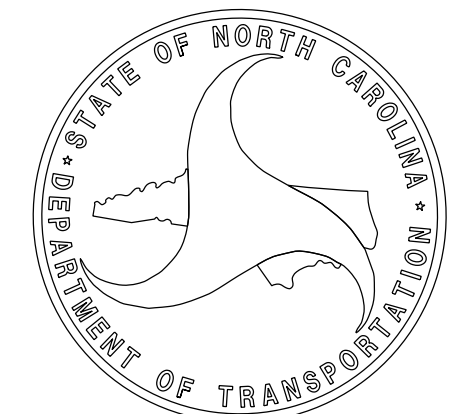
Prepared in the Office of:
DIVISION OF HIGHWAYS
113 Airport Dr., Edenton NC, 27932

2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C.E. SLACHTA
DIVISION PROPOSALS ENGINEER



\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DCNS\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

09/08/99

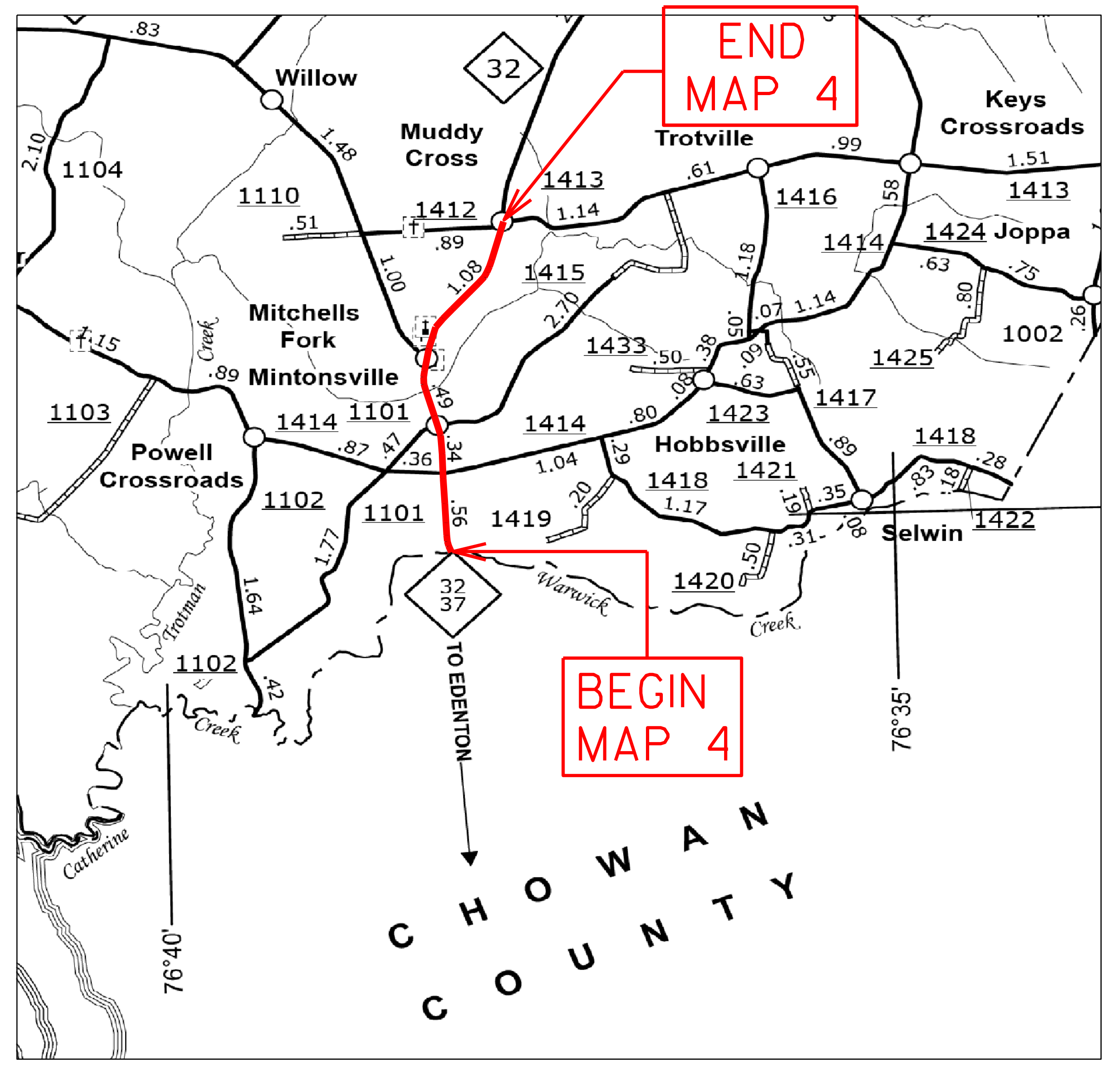
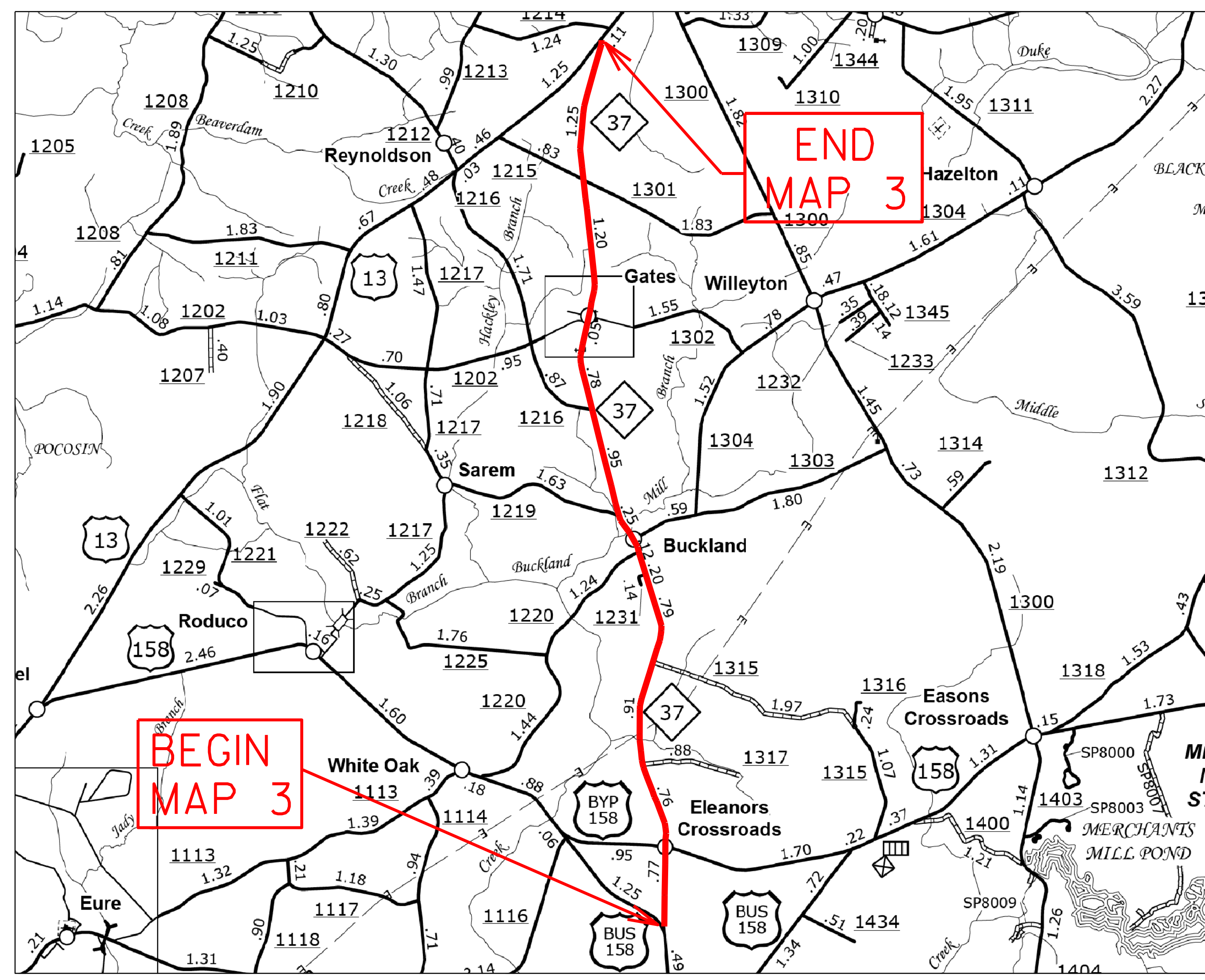
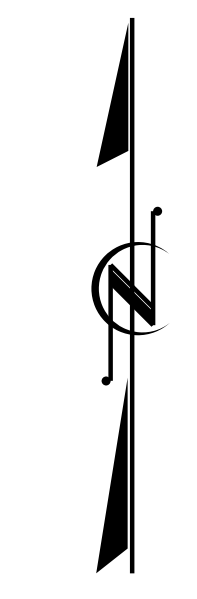
CONTRACT: DA00373 WBS PROJECT: 2018CPT.01.04.10211.1, ETC.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

GATES COUNTY

LOCATION: MAP 3 NC 37 FROM US 158 BUS. TO US 13
MAP 4 NC 32 FROM CHOWAN CO. LINE TO SR 1413
TYPE OF WORK: MILLING, RESURFACING, & PAVEMENT MARKINGS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2018CPT.01.04.10211.1, ETC.	1A	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2018CPT.01.04.10371.1		MAP 3	
2018CPT.01.04.10371.1		MAP 4	



NOT TO SCALE

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT MAP 3 = 7.93 MI.
LENGTH OF ROADWAY PROJECT MAP 4 = 2.53 MI.

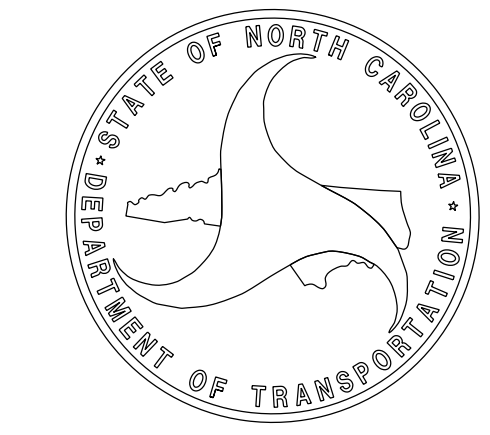
Prepared in the Office of:
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113 Airport Dr., Edenton NC, 27932

2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C.E. SLACHTA
DIVISION PROPOSALS ENGINEER



\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DCN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

PROJECT NO.	SHEET NO.
2018CPT.01.04.10211.1, ETC.	3

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIAL TRANSFER VEHICLE REQUIRED	LENGTH MI	WIDTH FT	MOBILIZATION LS	INCIDENTAL STONE BASE TON	1½" MILLING SY	SURFACE COURSE, S9.5B TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS
2018CPT.01.04.10211.1	Chowan	1	NC 37	FROM NC 32 TO PERQUIMANS COUNTY		2	2WU	NO	NO	YES	4.64	27	1	200	78,000	7,250	435	100
2018CPT.01.04.10211.1	Chowan	2	NC 32	FROM SR 1305 TO NC 37		2	2WU	NO	NO	YES	4.55	25	*	200	68,800	6,400	384	50
2018CPT.01.04.10371.1	Gates	3	NC 37	FROM US 158 BUS TO US 13		2	2WU	NO	NO	YES	7.93	23	*	200	116,850	10,800	648	200
2018CPT.01.04.10371.1	Gates	4	NC 32	FROM CHOWAN CO. TO SR 1413		2	2WU	NO	NO	YES	2.53	25	*	200	45,800	4,250	255	100
GRAND TOTAL											19.65		1	800	309,450	28,700	1,722	450

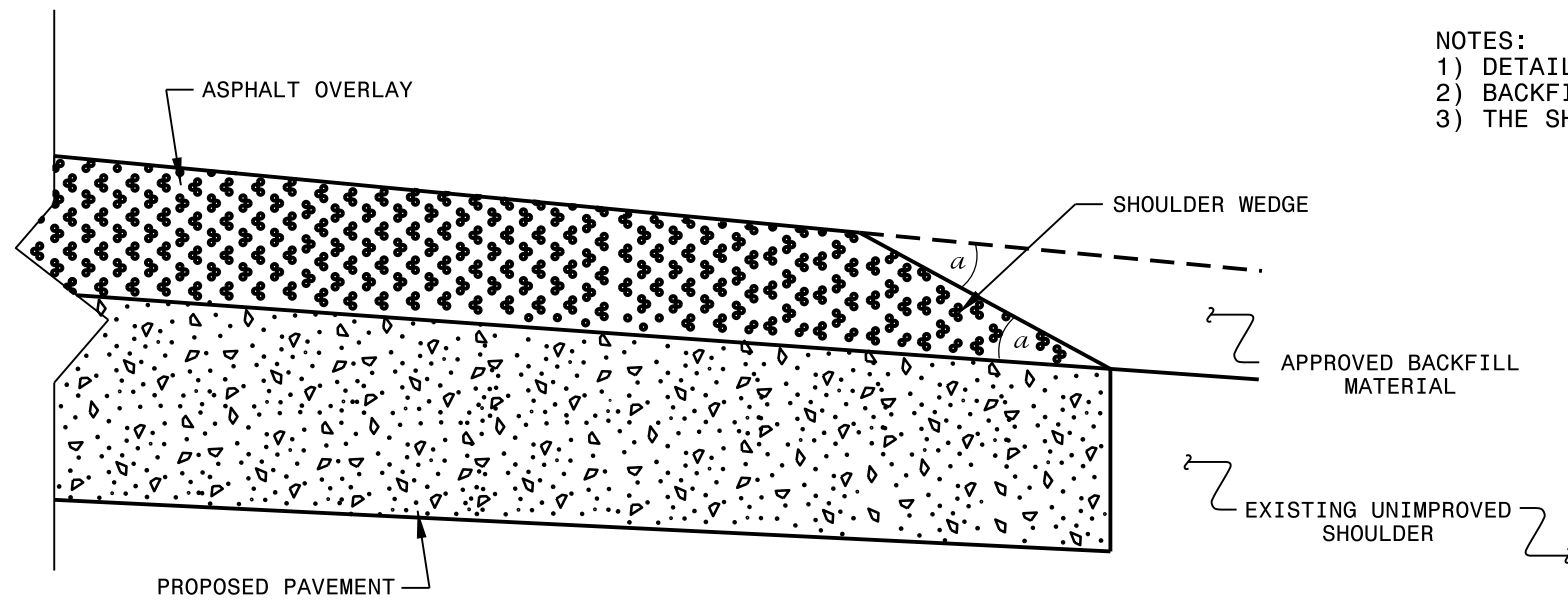
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIAL TRANSFER VEHICLE REQUIRED	LENGTH MI	WIDTH FT	WORK ZONE ADV/GEN WARNING SIGNING SF	TEMPORARY TRAFFIC CONTROL LS	4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	8" X 90 M YELLOW THERMO LF	24" X 120 M WHITE THERMO LF
2018CPT.01.04.10211.1	Chowan	1	NC 37	FROM NC 32 TO PERQUIMANS COUNTY		2	2WU	NO	NO	YES	4.64	27	1,250	1	49,926	30,624			
2018CPT.01.04.10211.1	Chowan	2	NC 32	FROM SR 1305 TO NC 37		2	2WU	NO	NO	YES	4.55	25	1,200	*	48,904	29,997		150	
2018CPT.01.04.10371.1	Gates	3	NC 37	FROM US 158 BUS TO US 13		2	2WU	NO	NO	YES	7.93	23	1,500	*	85,273	52,305	500	400	100
2018CPT.01.04.10371.1	Gates	4	NC 32	FROM CHOWAN CO. TO SR 1413		2	2WU	NO	NO	YES	2.53	25	800	*	27,244	19,243	150	200	
GRAND TOTAL											19.65		4,750	1	211,347	132,169	650	750	100
																132,819			

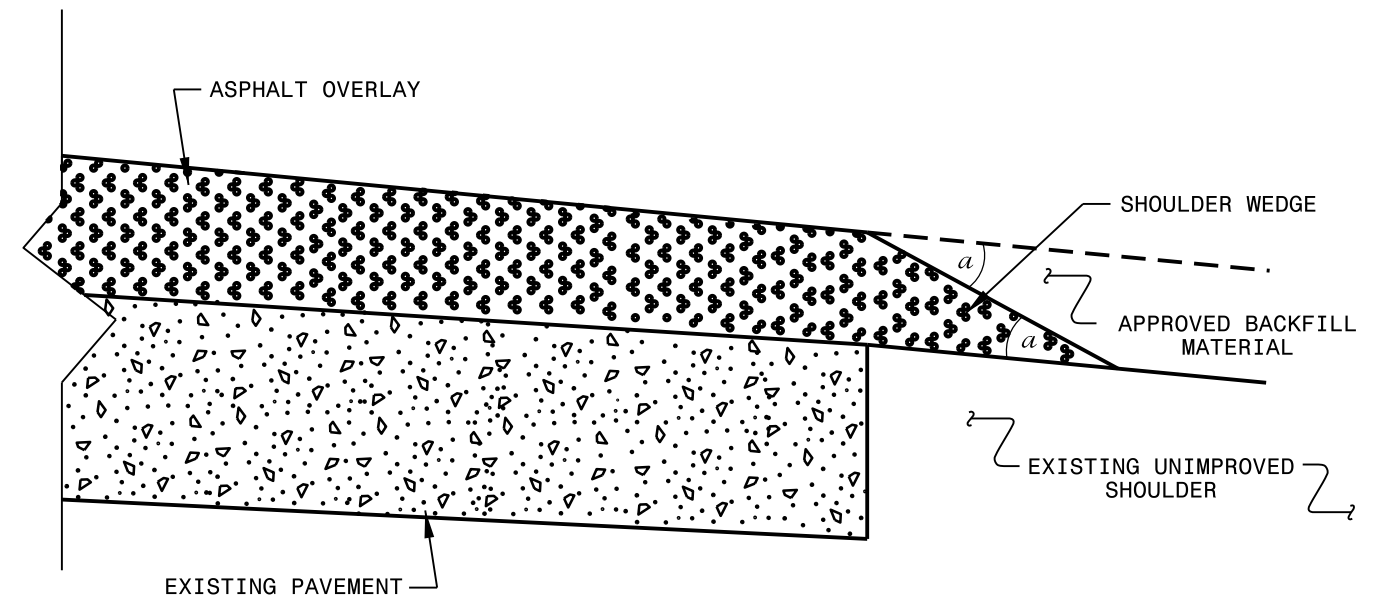
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIAL TRANSFER VEHICLE REQUIRED	LENGTH MI	WIDTH FT	THERMO MSG SCHOOL 120 M EA	THERMO LT ARROW 90 M EA	4" YELLOW PAINT LF	4" WHITE PAINT LF	24" WHITE PAINT LF	PAINT MSG SCHOOL EA	PAINT LT ARROW EA	SNOW PLOWABLE MARKERS EA
2018CPT.01.04.10211.1	Chowan	1	NC 37	FROM NC 32 TO PERQUIMANS COUNTY		2	2WU	NO	NO	YES	4.64	27			30,624	49,926				307
2018CPT.01.04.10211.1	Chowan	2	NC 32	FROM SR 1305 TO NC 37		2	2WU	NO	NO	YES	4.55	25			29,997	48,904				300
2018CPT.01.04.10371.1	Gates	3	NC 37	FROM US 158 BUS TO US 13		2	2WU	NO	NO	YES	7.93	23	12	4	52,305	85,273	100	12	4	525
2018CPT.01.04.10371.1	Gates	4	NC 32	FROM CHOWAN CO. TO SR 1413		2	2WU	NO	NO	YES	2.53	25		2	19,243	27,244			2	168
GRAND TOTAL											19.65		12	6	132,169	211,347	100	12	6	1,300
																343,516				

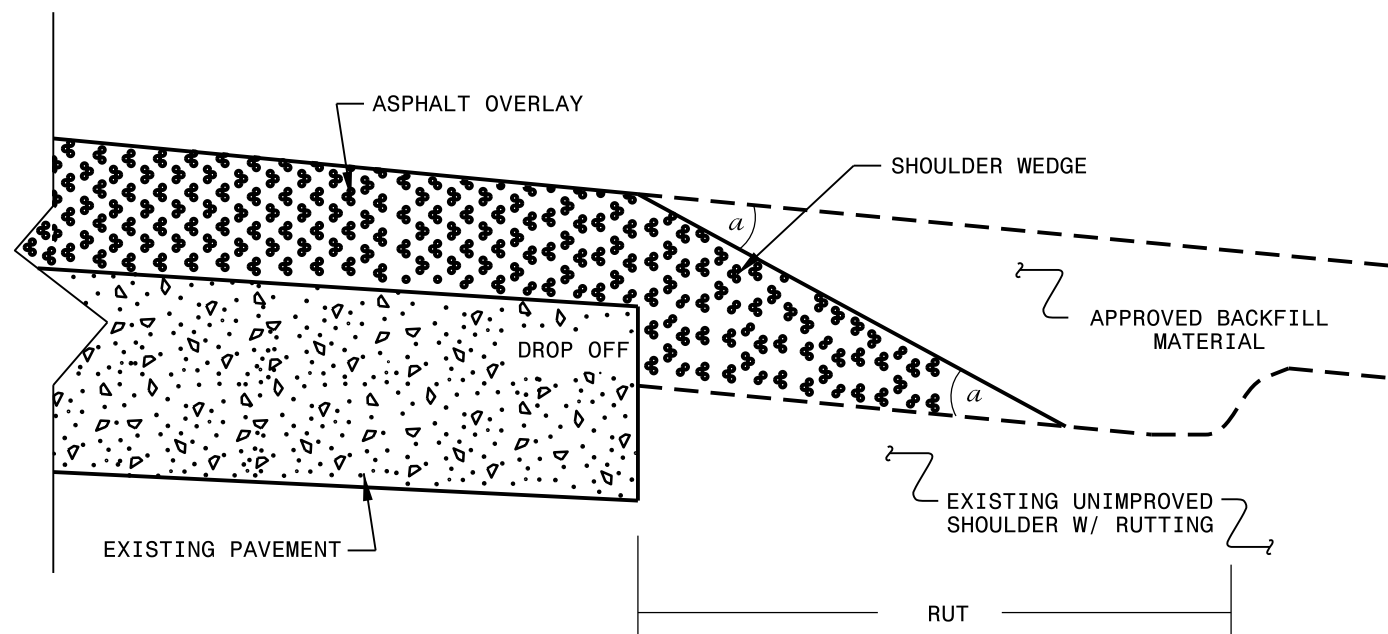
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ Widening or
with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
(Resurfacing Adjacent to
Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

**SHOULDER WEDGE
DETAILS**

ORIGINAL BY: T.SPELL DATE: 7-19-11
 MODIFIED BY: DATE: 10/16/12
 CHECKED BY: DATE:
 FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn