

CONTRACT NO: WBS ELEMENT: ICR.10081.19, ETC.

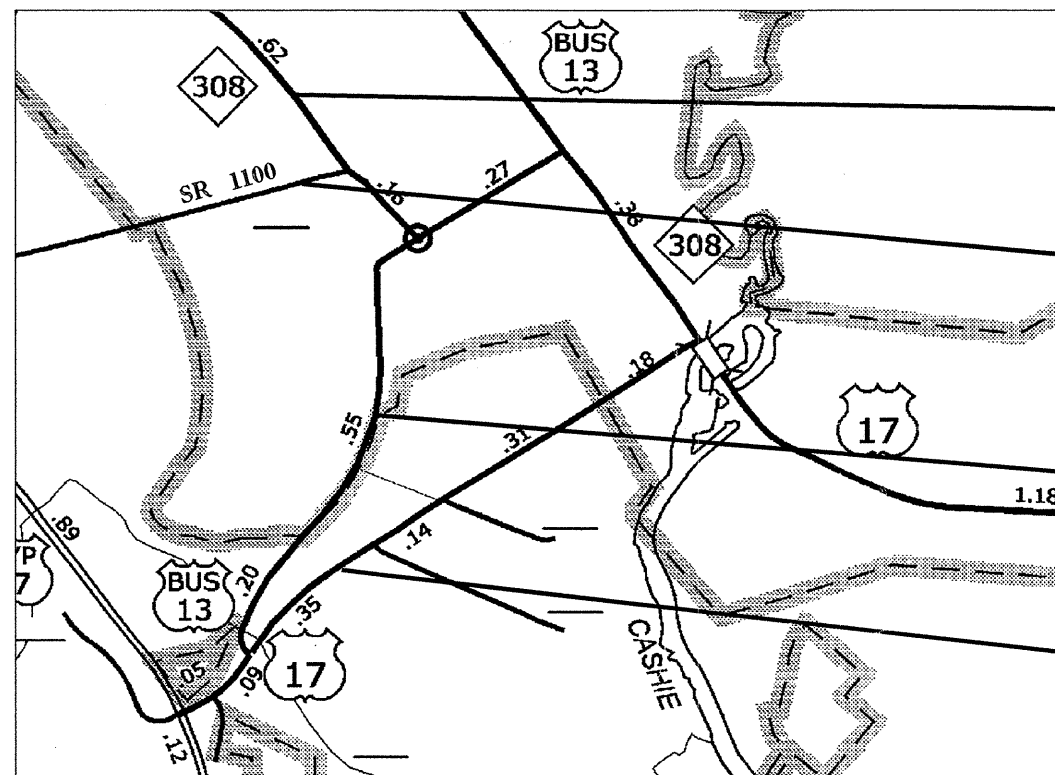
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BERTIE COUNTY



LOCATION: Bertie County NC 308 - From Granville St to End Curb & Gutter
 Bertie County US 13 Bus - From Granville St to US 17 Business
 Bertie County US 17 Bus - From US 13 Business to NC 308
 Bertie County SR 1100 - From US 13 to NC 308

TYPE OF WORK: Milling, Leveling, Resurfacing, Utility Adjustments, and Paint Pavement Markings



MAP 1

MAP 10

MAP 2

MAP 3

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	1	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
ICR.10081.19	1	NC 308	
ICR.10081.20	2	US 13 Bus	
ICR.10081.21	3	US 17 Bus	
ICR.10081.22	4	US 13	
ICR.10081.23	5	US 13	
ICR.10461.18	6	US 13	
ICR.10661.21	7	NC 305	
ICR.10661.22	8	NC 46	
ICR.10661.23	9	NC 48	
ICR.20081.47	10	SR 1100	
ICR.20081.48	11	SR 1209	
ICR.20081.49	12	SR 1228	
ICR.20081.50	13	SR 1200	
ICR.20081.51	14	SR 1344	
ICR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
ICR.20461.38	18	SR 1111	
ICR.20461.39	19	SR 1409	
ICR.20461.40	20	SR 1169	
ICR.20461.41	21	SR 1179	
ICR.20461.42	22	SR 1160	
ICR.20461.43	23	SR 1311	
ICR.20461.44	24	SR 1433	
ICR.20461.45	25	SR 1167	
ICR.20661.68	26	SR 1510	
ICR.20661.69	27	SR 1341	
ICR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

NOT TO SCALE

PROJECT LENGTH

- ICR.10081.19 - MAP 1 0.30 MILES
- ICR.10081.20 - MAP 2 0.47 MILES
- ICR.10081.21 - MAP 3 0.83 MILES
- ICR.20081.47 - MAP 10 0.66 MILES

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113 Airport Dr., Edenton NC, 27932

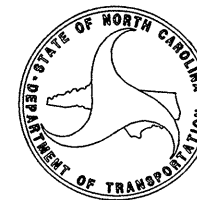
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C. E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



CONTRACT NO: WBS ELEMENT: ICR.10081.19, ETC.

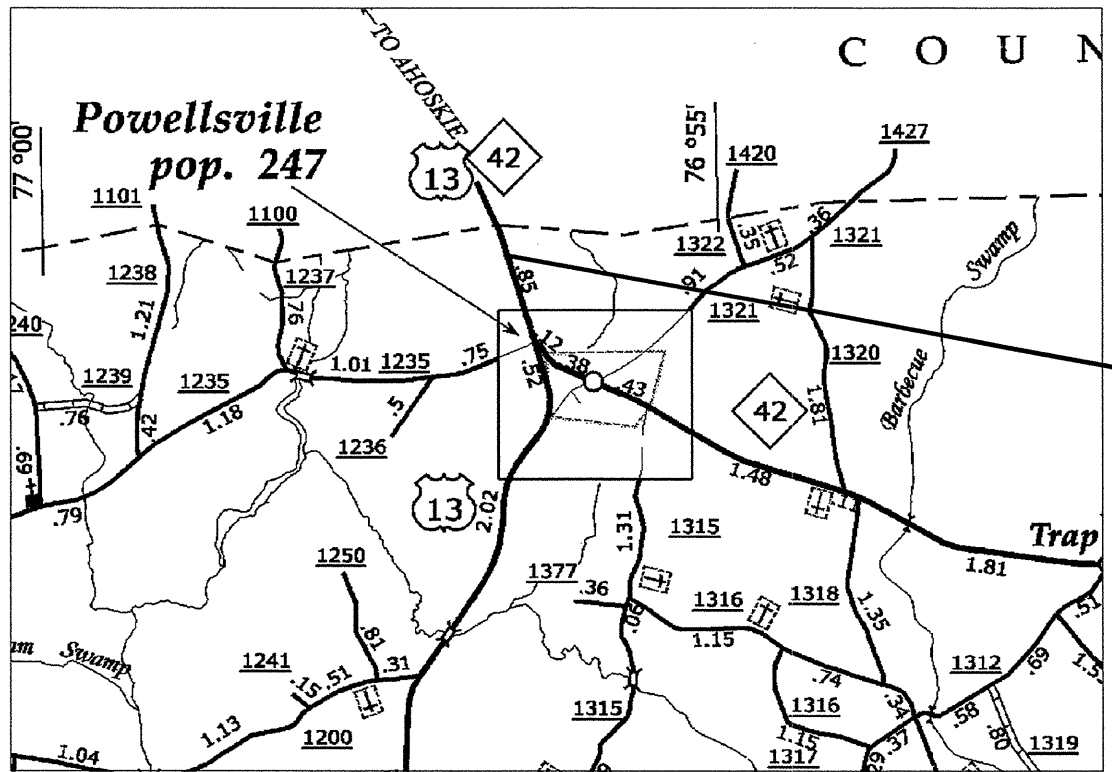
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
BERTIE COUNTY



LOCATION: Bertie County US 13 - From Hertford County to SR 1235

TYPE OF WORK: Resurfacing and Paint Pavement Markings

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	2	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
ICR.10081.19	1	NC 308	
ICR.10081.20	2	US 13 Bus	
ICR.10081.21	3	US 17 Bus	
ICR.10081.22	4	US 13	
ICR.10081.23	5	US 13	
ICR.10461.18	6	US 13	
ICR.10661.21	7	NC 305	
ICR.10661.22	8	NC 46	
ICR.10661.23	9	NC 48	
ICR.20081.47	10	SR 1100	
ICR.20081.48	11	SR 1209	
ICR.20081.49	12	SR 1228	
ICR.20081.50	13	SR 1200	
ICR.20081.51	14	SR 1344	
ICR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
ICR.20461.38	18	SR 1111	
ICR.20461.39	19	SR 1409	
ICR.20461.40	20	SR 1169	
ICR.20461.41	21	SR 1179	
ICR.20461.42	22	SR 1160	
ICR.20461.43	23	SR 1311	
ICR.20461.44	24	SR 1433	
ICR.20461.45	25	SR 1167	
ICR.20661.68	26	SR 1510	
ICR.20661.69	27	SR 1341	
ICR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	



MAP 4

NOT TO SCALE

PROJECT LENGTH
ICR.10081.22 - MAP 4 0.84 MILES

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2012 STANDARD SPECIFICATIONS

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DIVISION PROJECT MANAGER

C. E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

WBS ELEMENT: ICR.10081.19, ETC.

CONTRACT NO:

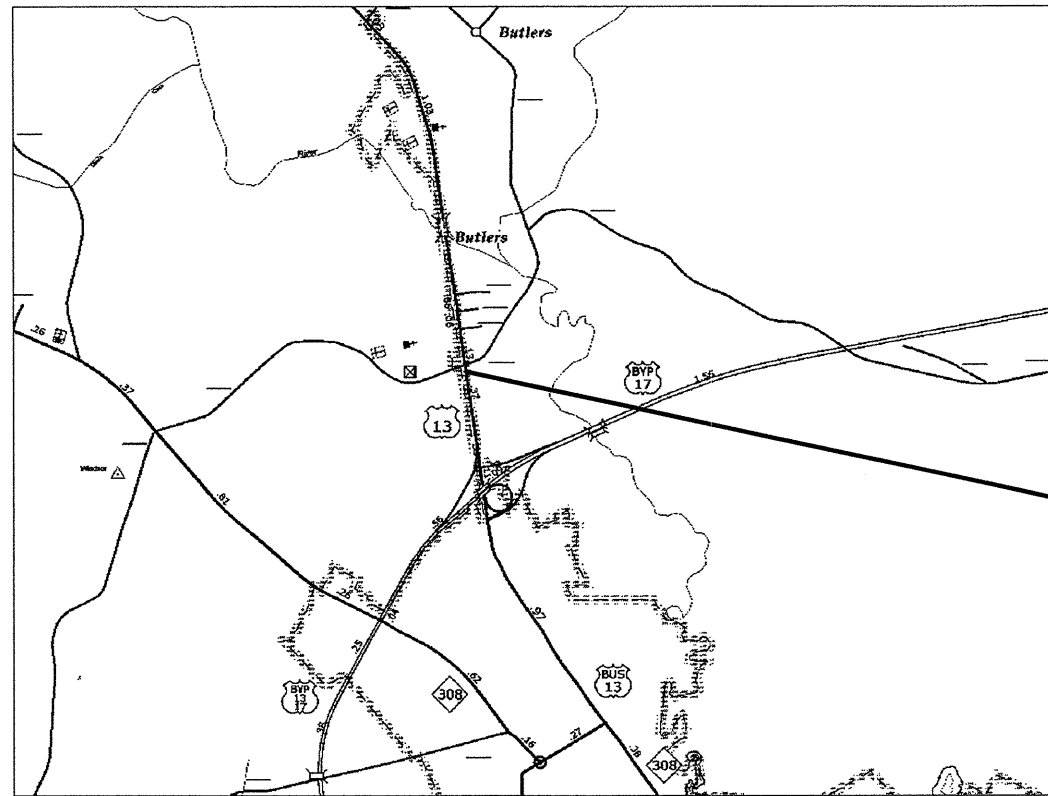
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BERTIE COUNTY



LOCATION: Bertie County US 13 - From US 17 Bypass to SR 1388

TYPE OF WORK: Milling, Widening, Resurfacing, and Paint Pavement Markings



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	3	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
ICR.10081.19	1	NC 308	
ICR.10081.20	2	US 13 Bus	
ICR.10081.21	3	US 17 Bus	
ICR.10081.22	4	US 13	
ICR.10081.23	5	US 13	
ICR.10461.18	6	US 13	
ICR.10661.21	7	NC 305	
ICR.10661.22	8	NC 46	
ICR.10661.23	9	NC 48	
ICR.20081.47	10	SR 1100	
ICR.20081.48	11	SR 1209	
ICR.20081.49	12	SR 1228	
ICR.20081.50	13	SR 1200	
ICR.20081.51	14	SR 1344	
ICR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
ICR.20461.38	18	SR 1111	
ICR.20461.39	19	SR 1409	
ICR.20461.40	20	SR 1169	
ICR.20461.41	21	SR 1179	
ICR.20461.42	22	SR 1160	
ICR.20461.43	23	SR 1311	
ICR.20461.44	24	SR 1433	
ICR.20461.45	25	SR 1167	
ICR.20661.68	26	SR 1510	
ICR.20661.69	27	SR 1341	
ICR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

MAP 5

NOT TO SCALE

PROJECT LENGTH

ICR.10081.23 - MAP 5 0.40 MILES

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

C. E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

WBS ELEMENT: ICR.10081.19, ETC.

CONTRACT NO:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

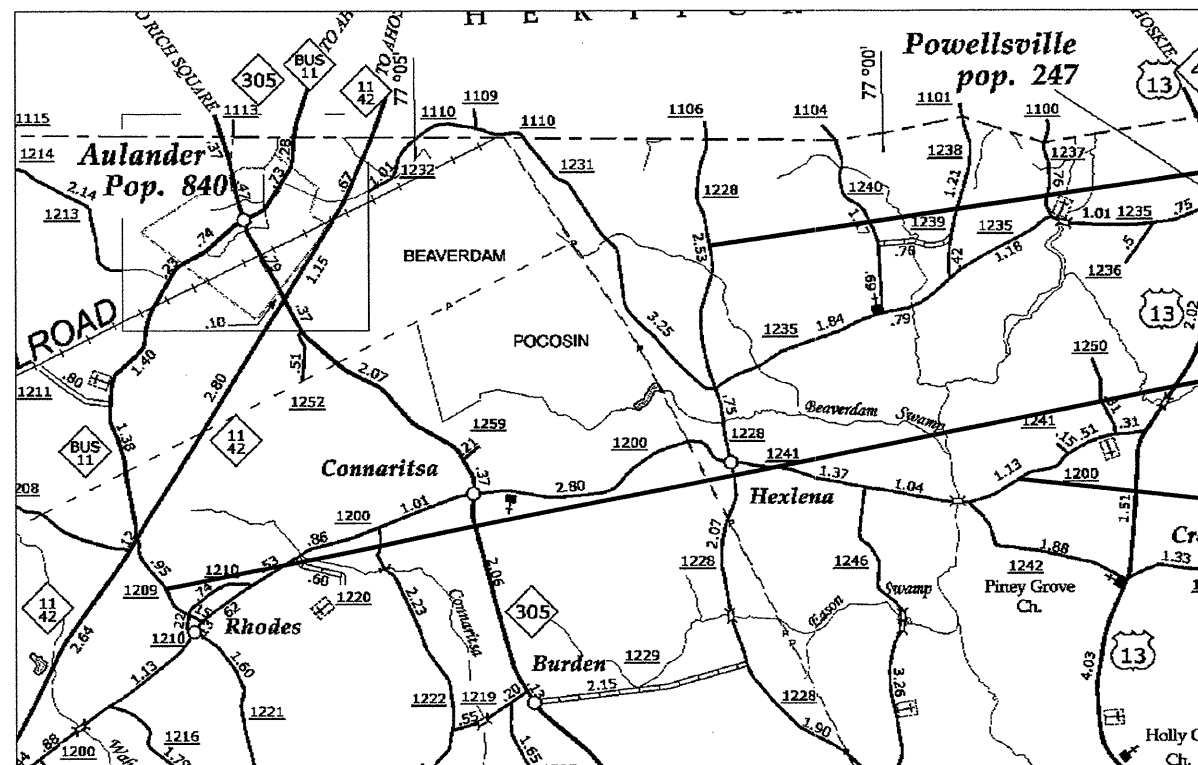
BERTIE COUNTY



LOCATION: Bertie County SR 1228 - From SR 1235 to Hertford County
 Bertie County SR 1209 - From NC 11 to SR 1200
 Bertie County SR 1200 - From US 13 to SR 1242

TYPE OF WORK: Resurfacing and Paint Pavement Markings

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	4	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
1CR.10081.19	1	NC 308	
1CR.10081.20	2	US 13 Bus	
1CR.10081.21	3	US 17 Bus	
1CR.10081.22	4	US 13	
1CR.10081.23	5	US 13	
1CR.10461.18	6	US 13	
1CR.10661.21	7	NC 305	
1CR.10661.22	8	NC 46	
1CR.10661.23	9	NC 48	
1CR.20081.47	10	SR 1100	
1CR.20081.48	11	SR 1209	
1CR.20081.49	12	SR 1228	
1CR.20081.50	13	SR 1200	
1CR.20081.51	14	SR 1344	
1CR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
1CR.20461.38	18	SR 1111	
1CR.20461.39	19	SR 1409	
1CR.20461.40	20	SR 1169	
1CR.20461.41	21	SR 1179	
1CR.20461.42	22	SR 1160	
1CR.20461.43	23	SR 1311	
1CR.20461.44	24	SR 1433	
1CR.20461.45	25	SR 1167	
1CR.20661.68	26	SR 1510	
1CR.20661.69	27	SR 1341	
1CR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	



MAP 12

MAP 11

MAP 13

NOT TO SCALE

PROJECT LENGTH

ICR.20081.49 - MAP 12..... 2.51 MILES
 ICR.20081.48 - MAP 11..... 1.06 MILES
 ICR.20081.50 - MAP 13..... 1.96 MILES

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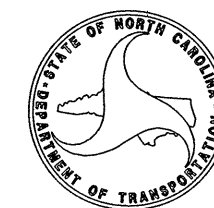
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C. E. SLACHTA
 DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA



CONTRACT NO: WBS ELEMENT: ICR.10081.19, ETC.

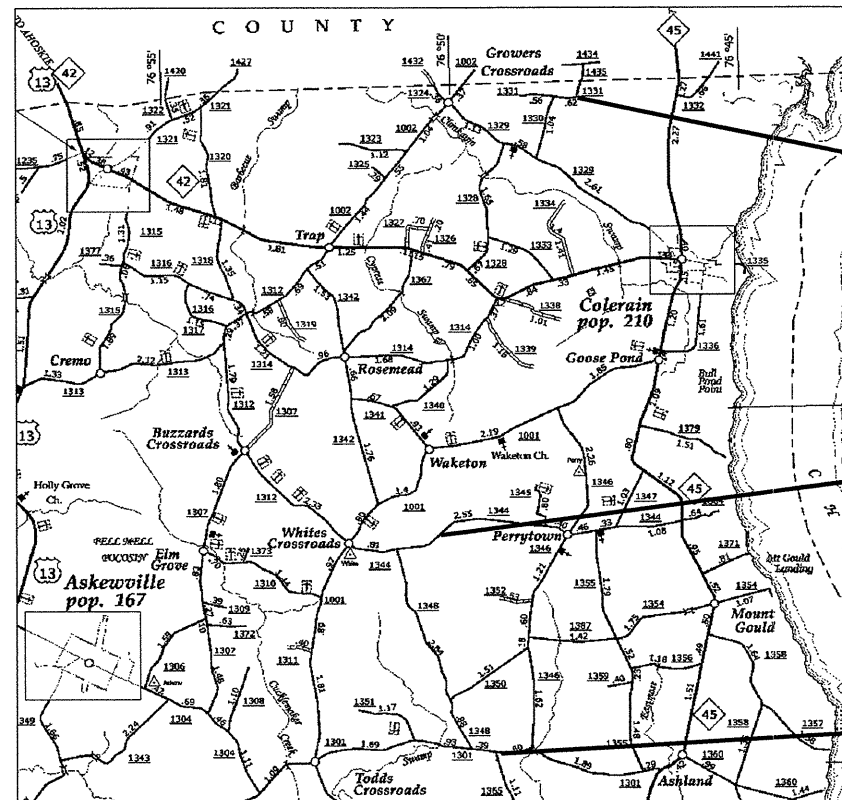
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BERTIE COUNTY



LOCATION: Bertie County SR 1344 - From SR 1001 to SR 1346
Bertie County SR 1301 - From SR 1348 to SR 1346

TYPE OF WORK: Widening, Resurfacing, and Paint Pavement Markings



MAP 16 ~~deleted~~

MAP 14

MAP 15

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	1CR.10081.19, ETC.	5	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
1CR.10081.19	1	NC 308	
1CR.10081.20	2	US 13 Bus	
1CR.10081.21	3	US 17 Bus	
1CR.10081.22	4	US 13	
1CR.10081.23	5	US 13	
1CR.10461.18	6	US 13	
1CR.10661.21	7	NC 305	
1CR.10661.22	8	NC 46	
1CR.10661.23	9	NC 48	
1CR.20081.47	10	SR 1100	
1CR.20081.48	11	SR 1209	
1CR.20081.49	12	SR 1228	
1CR.20081.50	13	SR 1200	
1CR.20081.51	14	SR 1344	
1CR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
1CR.20461.38	18	SR 1111	
1CR.20461.39	19	SR 1409	
1CR.20461.40	20	SR 1169	
1CR.20461.41	21	SR 1179	
1CR.20461.42	22	SR 1160	
1CR.20461.43	23	SR 1311	
1CR.20461.44	24	SR 1433	
1CR.20461.45	25	SR 1167	
1CR.20661.68	26	SR 1510	
1CR.20661.69	27	SR 1341	
1CR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

NOT TO SCALE

PROJECT LENGTH

~~MAP DELETED - MAP 16~~
1CR.20081.51 - MAP 14 3.75 MILES
1CR.20081.52 - MAP 15 0.97 MILES

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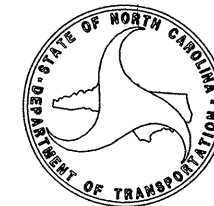
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C. E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



WBS ELEMENT: ICR.10081.19, ETC.

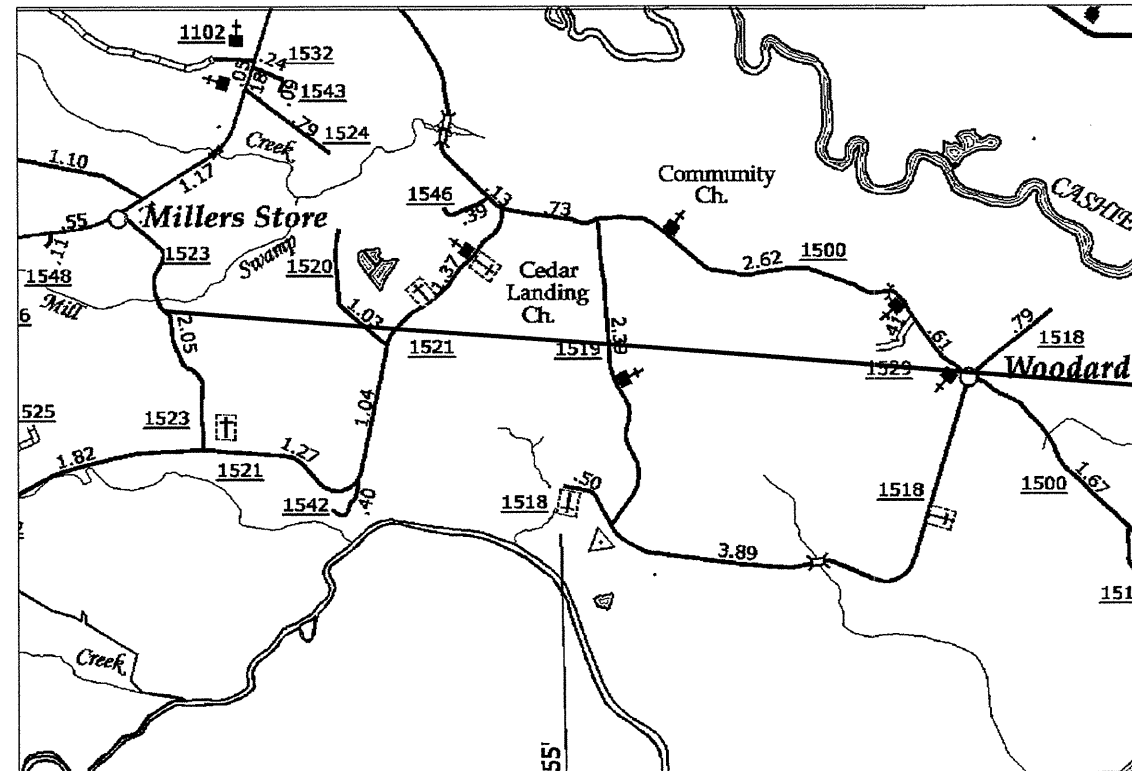
CONTRACT NO:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BERTIE COUNTY

LOCATION: Bertie County SR 1523 - From US 17 to SR 1521

TYPE OF WORK: Resurfacing and Paint Pavement Markings



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	6	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
1CR.10081.19	1	NC 308	
1CR.10081.20	2	US 13 Bus	
1CR.10081.21	3	US 17 Bus	
1CR.10081.22	4	US 13	
1CR.10081.23	5	US 13	
1CR.10461.18	6	US 13	
1CR.10661.21	7	NC 305	
1CR.10661.22	8	NC 46	
1CR.10661.23	9	NC 48	
1CR.20081.47	10	SR 1100	
1CR.20081.48	11	SR 1209	
1CR.20081.49	12	SR 1228	
1CR.20081.50	13	SR 1200	
1CR.20081.51	14	SR 1344	
1CR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
1CR.20461.38	18	SR 1111	
1CR.20461.39	19	SR 1409	
1CR.20461.40	20	SR 1169	
1CR.20461.41	21	SR 1179	
1CR.20461.42	22	SR 1160	
1CR.20461.43	23	SR 1311	
1CR.20461.44	24	SR 1433	
1CR.20461.45	25	SR 1167	
1CR.20661.68	26	SR 1510	
1CR.20661.69	27	SR 1341	
1CR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

MAP 17 deleted

NOT TO SCALE

PROJECT LENGTH

MAP DELETED - MAP 17

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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

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



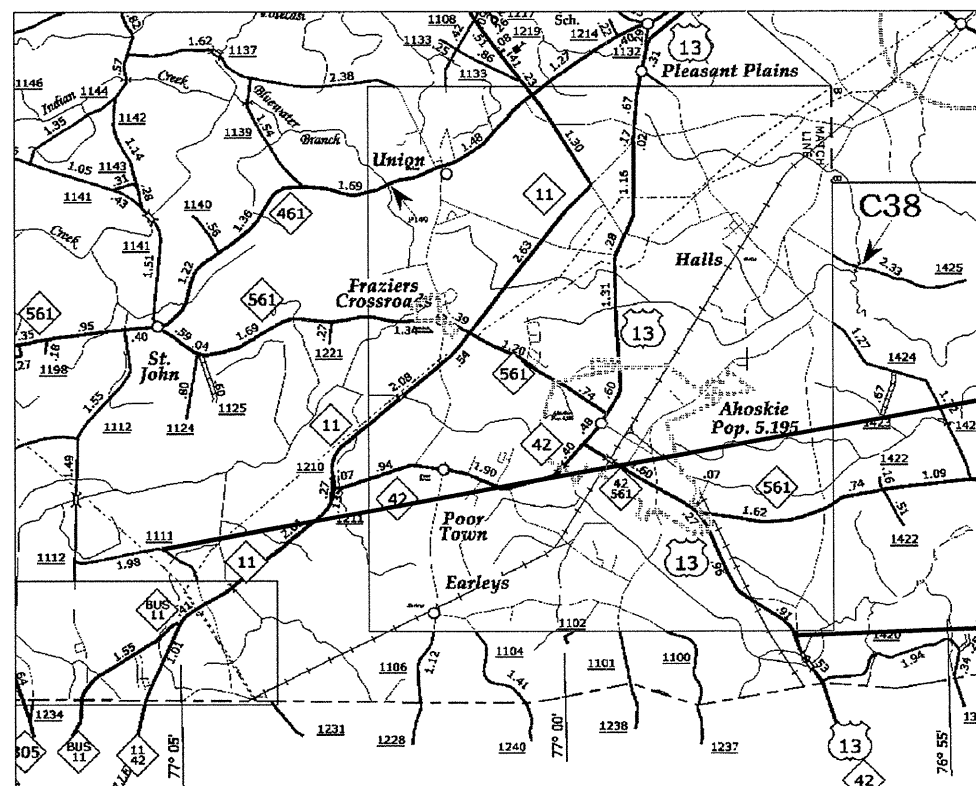
CONTRACT NO: WBS ELEMENT: ICR.10081.19, ETC.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD COUNTY

LOCATION: Hertford County US 13 - From SR 1418 to Bertie County
Hertford County SR 1111 - From NC 11 to SR 1112

TYPE OF WORK: Resurfacing and Paint Pavement Markings



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	7	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
ICR.10081.19	1	NC 308	
ICR.10081.20	2	US 13 Bus	
ICR.10081.21	3	US 17 Bus	
ICR.10081.22	4	US 13	
ICR.10081.23	5	US 13	
ICR.10461.18	6	US 13	
ICR.10661.21	7	NC 305	
ICR.10661.22	8	NC 46	
ICR.10661.23	9	NC 48	
ICR.20081.47	10	SR 1100	
ICR.20081.48	11	SR 1209	
ICR.20081.49	12	SR 1228	
ICR.20081.50	13	SR 1200	
ICR.20081.51	14	SR 1344	
ICR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
ICR.20461.38	18	SR 1111	
ICR.20461.39	19	SR 1409	
ICR.20461.40	20	SR 1169	
ICR.20461.41	21	SR 1179	
ICR.20461.42	22	SR 1160	
ICR.20461.43	23	SR 1311	
ICR.20461.44	24	SR 1433	
ICR.20461.45	25	SR 1167	
ICR.20661.68	26	SR 1510	
ICR.20661.69	27	SR 1341	
ICR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

MAP 18

MAP 6

NOT TO SCALE

PROJECT LENGTH

ICR.10461.18 - MAP 6 1.22 MILES
ICR.20461.38 - MAP 18 1.94 MILES

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113 Airport Dr., Edenton NC, 27932

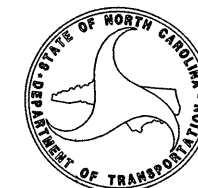
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C. E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



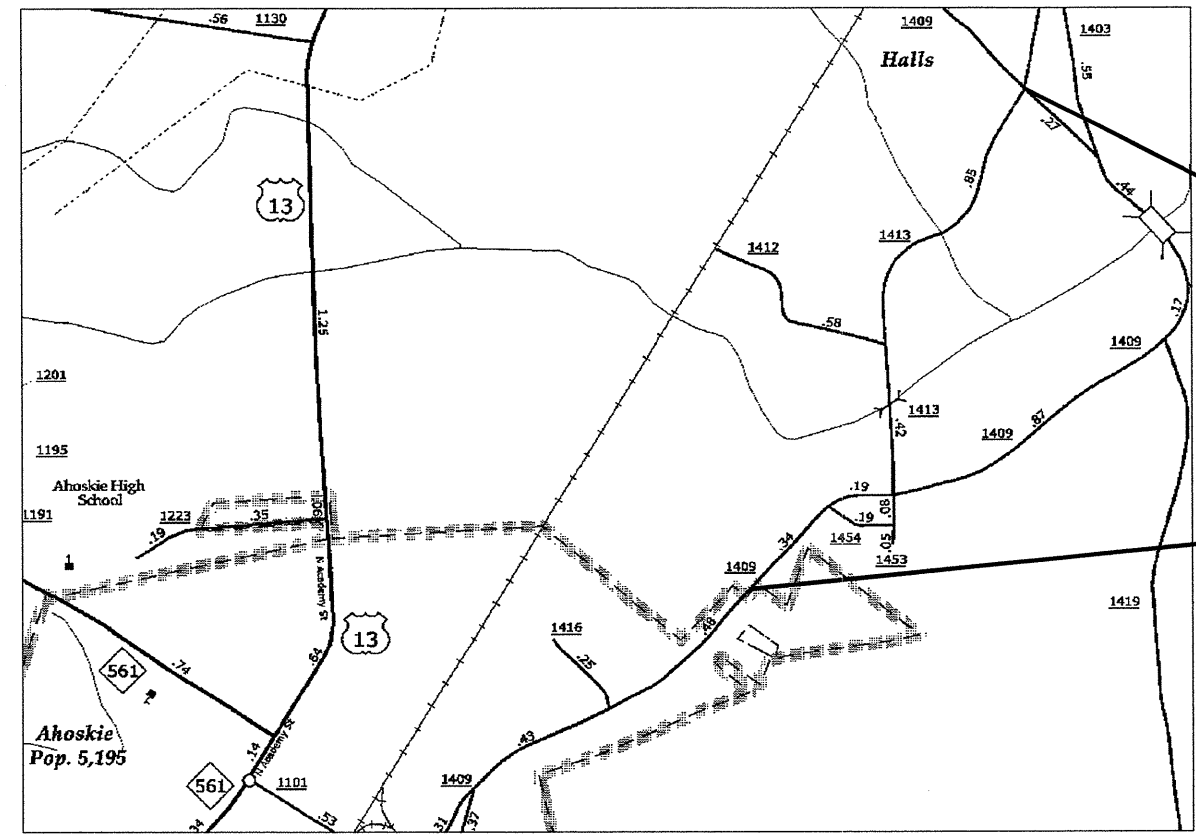
CONTRACT NO: WBS ELEMENT: ICR.10081.19, ETC.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD COUNTY

LOCATION: Hertford County SR 1409 - From SR 1403 to End Curb & Gutter

TYPE OF WORK: Resurfacing and Paint Pavement Markings



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	8	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
1CR.10081.19	1	NC 308	
1CR.10081.20	2	US 13 Bus	
1CR.10081.21	3	US 17 Bus	
1CR.10081.22	4	US 13	
1CR.10081.23	5	US 13	
1CR.10461.18	6	US 13	
1CR.10661.21	7	NC 305	
1CR.10661.22	8	NC 46	
1CR.10661.23	9	NC 48	
1CR.20081.47	10	SR 1100	
1CR.20081.48	11	SR 1209	
1CR.20081.49	12	SR 1228	
1CR.20081.50	13	SR 1200	
1CR.20081.51	14	SR 1344	
1CR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
1CR.20461.38	18	SR 1111	
1CR.20461.39	19	SR 1409	
1CR.20461.40	20	SR 1169	
1CR.20461.41	21	SR 1179	
1CR.20461.42	22	SR 1160	
1CR.20461.43	23	SR 1311	
1CR.20461.44	24	SR 1433	
1CR.20461.45	25	SR 1167	
1CR.20661.68	26	SR 1510	
1CR.20661.69	27	SR 1341	
1CR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

MAP 19

NOT TO SCALE

PROJECT LENGTH

ICR.20461.39 - MAP 19 2.00 MILES

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DIVISION OF HIGHWAYS
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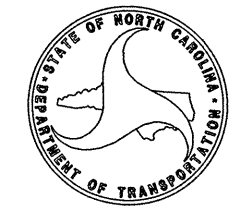
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C. E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



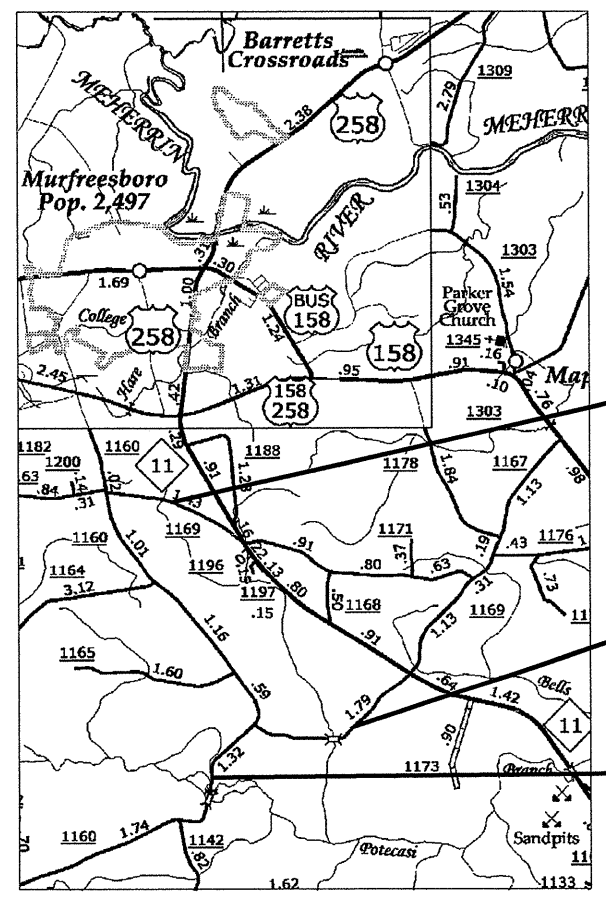
CONTRACT NO: WBS ELEMENT: ICR.10081.19, ETC.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD COUNTY

LOCATION: Hertford County SR 1169 - From NC 11 to SR 1160
Hertford County SR 1167 - From NC 11 to SR 1160
Hertford County SR 1160 - From SR 1167 to SR 1142

TYPE OF WORK: Resurfacing and Paint Pavement Markings



MAP 20

MAP 25

MAP 22

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	9	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
1CR.10081.19	1	NC 308	
1CR.10081.20	2	US 13 Bus	
1CR.10081.21	3	US 17 Bus	
1CR.10081.22	4	US 13	
1CR.10081.23	5	US 13	
1CR.10461.18	6	US 13	
1CR.10461.21	7	NC 305	
1CR.10461.22	8	NC 46	
1CR.10461.23	9	NC 48	
1CR.20081.47	10	SR 1100	
1CR.20081.48	11	SR 1209	
1CR.20081.49	12	SR 1228	
1CR.20081.50	13	SR 1200	
1CR.20081.51	14	SR 1344	
1CR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
1CR.20461.38	18	SR 1111	
1CR.20461.39	19	SR 1409	
1CR.20461.40	20	SR 1169	
1CR.20461.41	21	SR 1179	
1CR.20461.42	22	SR 1160	
1CR.20461.43	23	SR 1311	
1CR.20461.44	24	SR 1433	
1CR.20461.45	25	SR 1167	
1CR.20661.68	26	SR 1510	
1CR.20661.69	27	SR 1341	
1CR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

NOT TO SCALE

PROJECT LENGTH

ICR.20461.40 - MAP 201.35 MILES
ICR.20461.45 - MAP 251.79 MILES
ICR.20461.42 - MAP 221.32 MILES

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

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

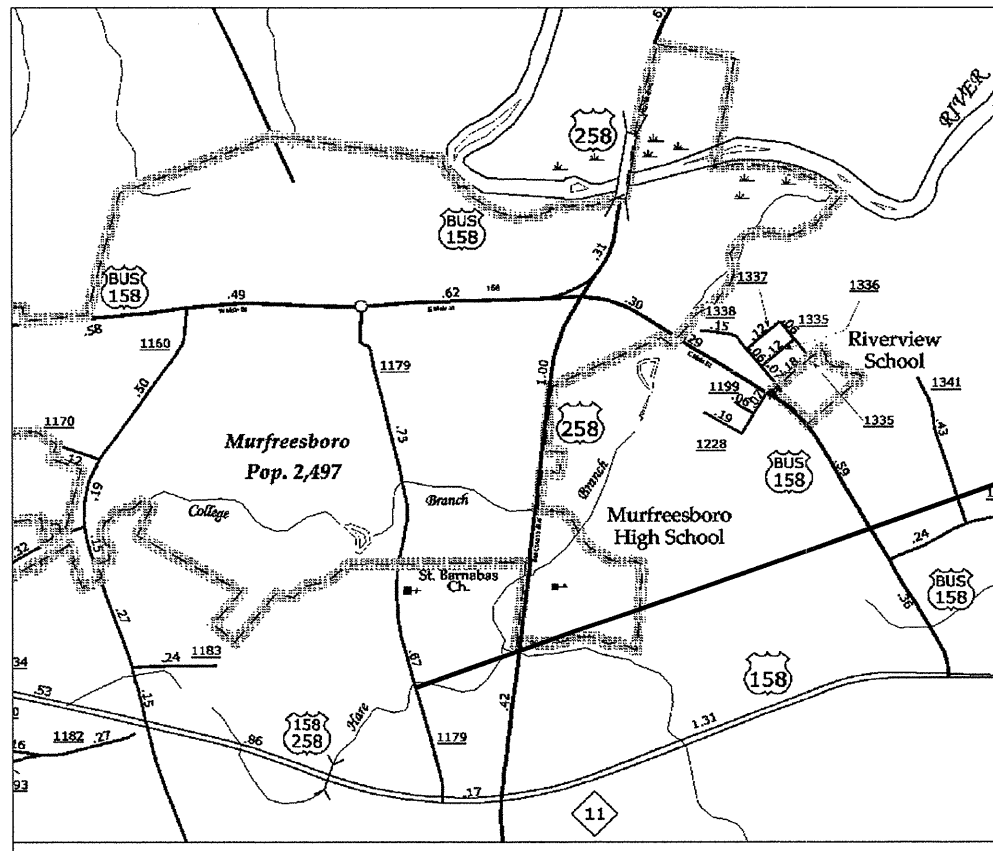
CONTRACT NO: WBS ELEMENT: ICR.10081.19, ETC.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD COUNTY

LOCATION: Hertford County SR 1179 - From US 158 to Begin Curb & Gutter

TYPE OF WORK: Resurfacing and Paint Pavement Markings



MAP 21

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	10	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
1CR.10081.19	1	NC 308	
1CR.10081.20	2	US 13 Bus	
1CR.10081.21	3	US 17 Bus	
1CR.10081.22	4	US 13	
1CR.10081.23	5	US 13	
1CR.10461.18	6	US 13	
1CR.10661.21	7	NC 305	
1CR.10661.22	8	NC 46	
1CR.10661.23	9	NC 48	
1CR.20081.47	10	SR 1100	
1CR.20081.48	11	SR 1209	
1CR.20081.49	12	SR 1228	
1CR.20081.50	13	SR 1200	
1CR.20081.51	14	SR 1344	
1CR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
1CR.20461.38	18	SR 1111	
1CR.20461.39	19	SR 1409	
1CR.20461.40	20	SR 1169	
1CR.20461.41	21	SR 1179	
1CR.20461.42	22	SR 1160	
1CR.20461.43	23	SR 1311	
1CR.20461.44	24	SR 1433	
1CR.20461.45	25	SR 1167	
1CR.20661.68	26	SR 1510	
1CR.20661.69	27	SR 1341	
1CR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

NOT TO SCALE

PROJECT LENGTH

ICR.20461.41 - MAP 21 0.60 MILES

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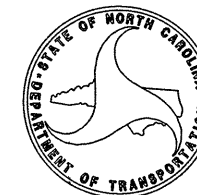
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C. E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



WBS ELEMENT: ICR.10081.19, ETC.

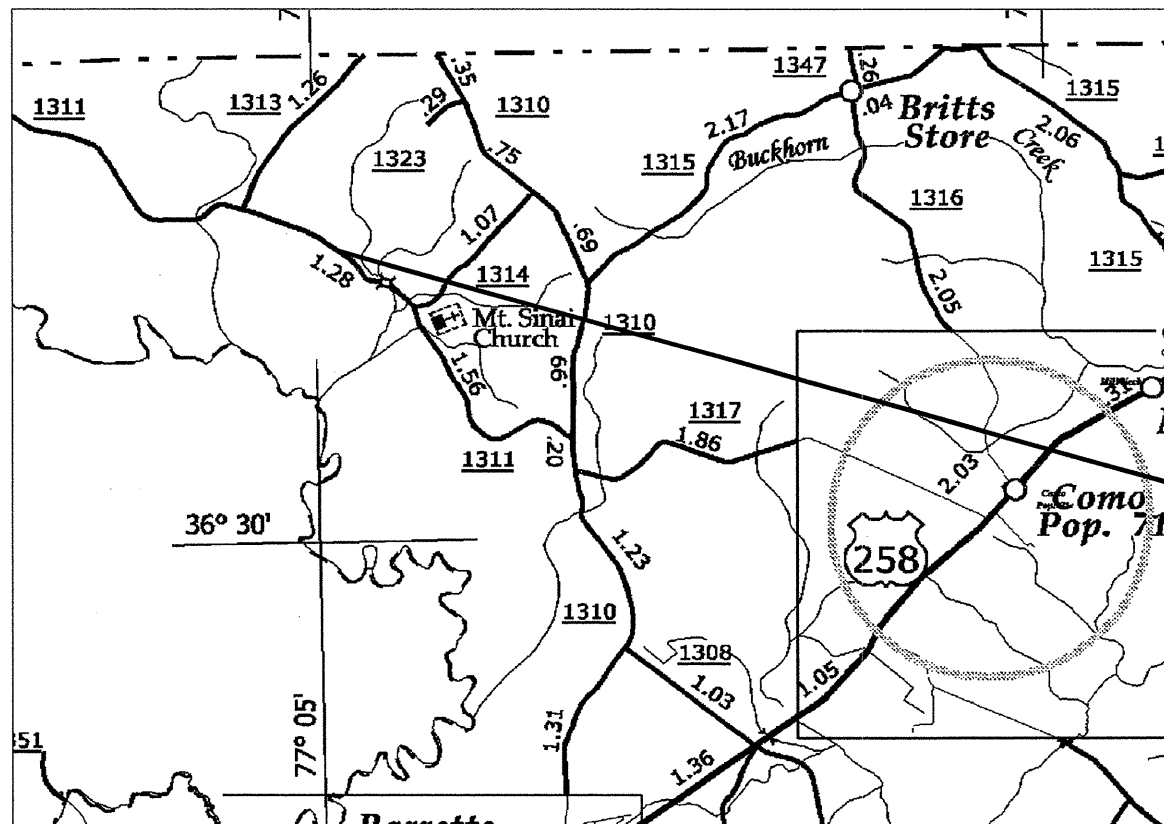
CONTRACT NO:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD COUNTY

LOCATION: Hertford County SR 1311 - From SR 1313 to SR 1314

TYPE OF WORK: Resurfacing and Paint Pavement Markings



MAP 23

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	11	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
1CR.10081.19	1	NC 308	
1CR.10081.20	2	US 13 Bus	
1CR.10081.21	3	US 17 Bus	
1CR.10081.22	4	US 13	
1CR.10081.23	5	US 13	
1CR.10461.18	6	US 13	
1CR.10661.21	7	NC 305	
1CR.10661.22	8	NC 46	
1CR.10661.23	9	NC 48	
1CR.20081.47	10	SR 1100	
1CR.20081.48	11	SR 1209	
1CR.20081.49	12	SR 1228	
1CR.20081.50	13	SR 1200	
1CR.20081.51	14	SR 1344	
1CR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
1CR.20461.38	18	SR 1111	
1CR.20461.39	19	SR 1409	
1CR.20461.40	20	SR 1169	
1CR.20461.41	21	SR 1179	
1CR.20461.42	22	SR 1160	
1CR.20461.43	23	SR 1311	
1CR.20461.44	24	SR 1433	
1CR.20461.45	25	SR 1167	
1CR.20661.68	26	SR 1510	
1CR.20661.69	27	SR 1341	
1CR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

NOT TO SCALE

PROJECT LENGTH

ICR.20461.43 - MAP 23 1.33 MILES

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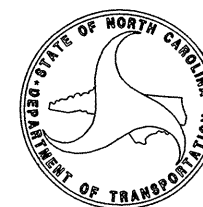
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C. E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



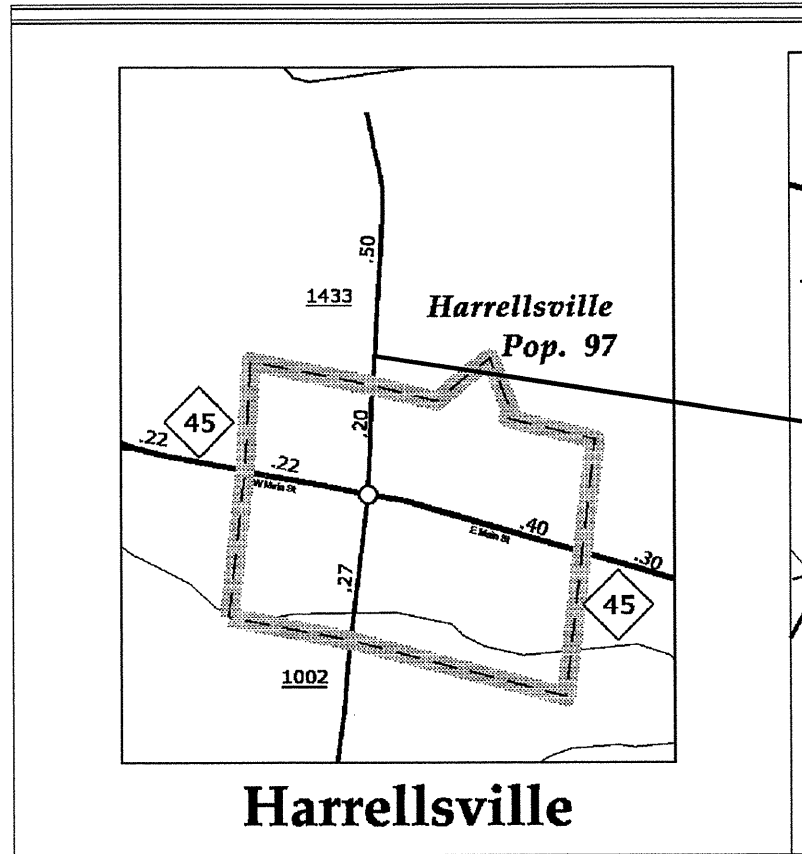
CONTRACT NO: WBS ELEMENT: ICR.10081.19, ETC.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HERTFORD COUNTY

LOCATION: Hertford County SR 1433 - From NC 45 to End Maintenance

TYPE OF WORK: Resurfacing and Paint Pavement Markings



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	12	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
1CR.10081.19	1	NC 308	
1CR.10081.20	2	US 13 Bus	
1CR.10081.21	3	US 17 Bus	
1CR.10081.22	4	US 13	
1CR.10081.23	5	US 13	
1CR.10461.18	6	US 13	
1CR.10661.21	7	NC 305	
1CR.10661.22	8	NC 46	
1CR.10661.23	9	NC 48	
1CR.20081.47	10	SR 1100	
1CR.20081.48	11	SR 1209	
1CR.20081.49	12	SR 1228	
1CR.20081.50	13	SR 1200	
1CR.20081.51	14	SR 1344	
1CR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
1CR.20461.38	18	SR 1111	
1CR.20461.39	19	SR 1409	
1CR.20461.40	20	SR 1169	
1CR.20461.41	21	SR 1179	
1CR.20461.42	22	SR 1160	
1CR.20461.43	23	SR 1311	
1CR.20461.44	24	SR 1433	
1CR.20461.45	25	SR 1167	
1CR.20661.68	26	SR 1510	
1CR.20661.69	27	SR 1341	
1CR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

MAP 24

NOT TO SCALE

PROJECT LENGTH
ICR.20461.44 - MAP 24 0.75 MILES

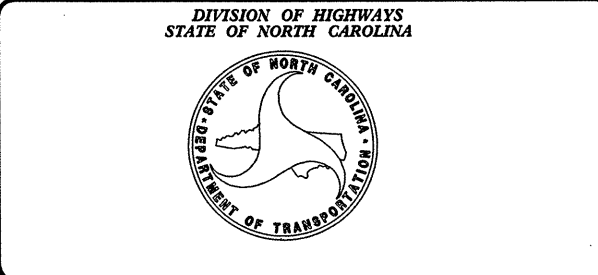
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113 Airport Dr., Edenston NC, 27932

2012 STANDARD SPECIFICATIONS

LETTING DATE:

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DIVISION PROJECT MANAGER

C. E. SLACHTA
DIVISION PROPOSALS ENGINEER



CONTRACT NO: WBS ELEMENT: ICR.10081.19, ETC.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

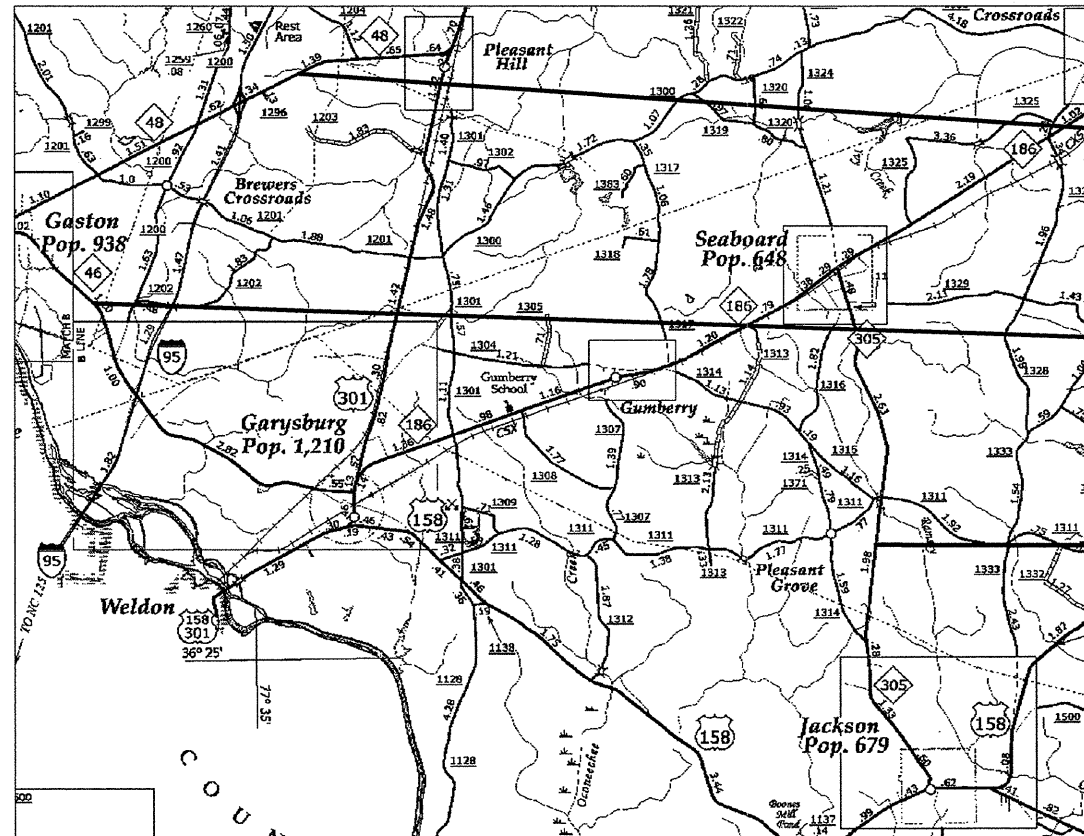
NORTHAMPTON COUNTY

LOCATION: Northampton County NC 48 - From I-95 to US 301

Northampton County NC 46 - From SR 1200 to ECL Gaston

Northampton County NC 305 - From NCL Jackson to SCL Seaboard

TYPE OF WORK: Resurfacing, Utility Adjustments, and Paint Pavement Markings



MAP 9

MAP 8

MAP 7

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	13	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
ICR.10081.19	1	NC 308	
ICR.10081.20	2	US 13 Bus	
ICR.10081.21	3	US 17 Bus	
ICR.10081.22	4	US 13	
ICR.10081.23	5	US 13	
ICR.10461.18	6	US 13	
ICR.10661.21	7	NC 305	
ICR.10661.22	8	NC 46	
ICR.10661.23	9	NC 48	
ICR.20081.47	10	SR 1100	
ICR.20081.48	11	SR 1209	
ICR.20081.49	12	SR 1228	
ICR.20081.50	13	SR 1200	
ICR.20081.51	14	SR 1344	
ICR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
ICR.20461.38	18	SR 1111	
ICR.20461.39	19	SR 1409	
ICR.20461.40	20	SR 1169	
ICR.20461.41	21	SR 1179	
ICR.20461.42	22	SR 1160	
ICR.20461.43	23	SR 1311	
ICR.20461.44	24	SR 1433	
ICR.20461.45	25	SR 1167	
ICR.20661.68	26	SR 1510	
ICR.20661.69	27	SR 1341	
ICR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

NOT TO SCALE

PROJECT LENGTH

ICR.10661.21 - MAP 7 6.30 MILES
 ICR.10661.22 - MAP 8 1.44 MILES
 ICR.10661.23 - MAP 9 2.96 MILES

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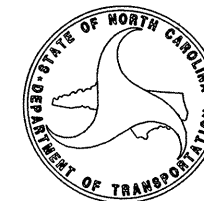
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C. E. SLACHTA
DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



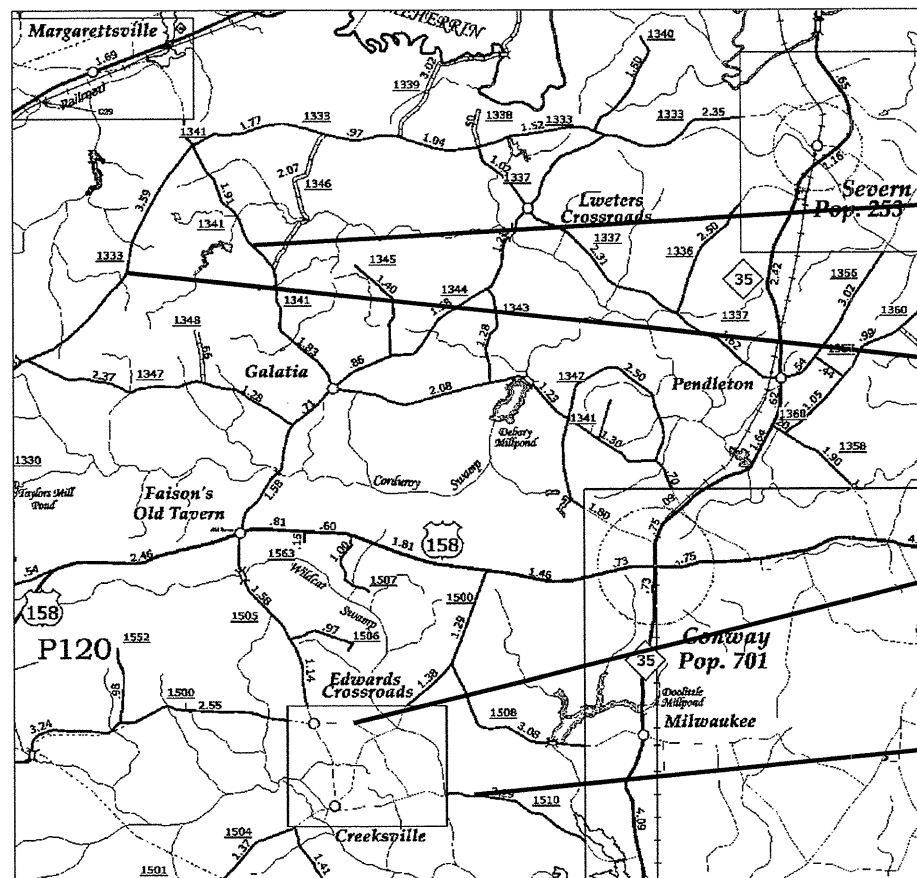
CONTRACT NO: WBS ELEMENT: ICR.10081.19, ETC.

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NORTHAMPTON COUNTY

LOCATION: Northampton County SR 1341 – From SR 1344 to NC 186
 Northampton County SR 1333 – From SR 1341 to SR 1347
 Northampton County SR 1510 – From NC35 to SR 1504

TYPE OF WORK: Widening, Resurfacing and Paint Pavement Markings



MAP 27

MAP 28

MAP 29 *deleted*

MAP 26

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICR.10081.19, ETC.	14	25
STATE PROJ. NO.	MAP NO.	DESCRIPTION	
1CR.10081.19	1	NC 308	
1CR.10081.20	2	US 13 Bus	
1CR.10081.21	3	US 17 Bus	
1CR.10081.22	4	US 13	
1CR.10081.23	5	US 13	
1CR.10461.18	6	US 13	
1CR.10661.21	7	NC 305	
1CR.10661.22	8	NC 46	
1CR.10661.23	9	NC 48	
1CR.20081.47	10	SR 1100	
1CR.20081.48	11	SR 1209	
1CR.20081.49	12	SR 1228	
1CR.20081.50	13	SR 1200	
1CR.20081.51	14	SR 1344	
1CR.20081.52	15	SR 1301	
MAP DELETED	16	SR 1331	
MAP DELETED	17	SR 1523	
1CR.20461.38	18	SR 1111	
1CR.20461.39	19	SR 1409	
1CR.20461.40	20	SR 1169	
1CR.20461.41	21	SR 1179	
1CR.20461.42	22	SR 1160	
1CR.20461.43	23	SR 1311	
1CR.20461.44	24	SR 1433	
1CR.20461.45	25	SR 1167	
1CR.20661.68	26	SR 1510	
1CR.20661.69	27	SR 1341	
1CR.20661.70	28	SR 1333	
MAP DELETED	29	SR 1500	

NOT TO SCALE

PROJECT LENGTH

1CR.20661.68 – MAP 26 4.29 MILES
 1CR.20661.69 – MAP 27 5.78 MILES
 1CR.20661.70 – MAP 28 3.58 MILES
 MAP DELETED – MAP 29

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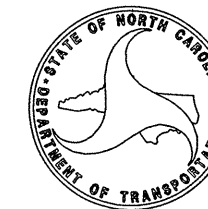
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C. E. SLACHTA
 DIVISION PROPOSALS ENGINEER

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA



PROJECT REFERENCE NO.	SHEET NO.
1CR.10081.19, ETC.	15 OF 25

C1	PROP. APPROX. 1.25" ACSC TYPE SF9.5A AT AN AVERAGE RATE OF 138.0 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ACSC TYPE SF9.5A AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.5" ACSC TYPE S9.5B AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.
D	PROP. APPROX. 2.5" ACIC, TYPE I19.0B AT AN AVERAGE RATE OF 285.0 LBS. PER SQ. YD.
E	PROP. APPROX. 5.5" ACBC, TYPE B25.0B AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH
V2	MILLING BITUMINOUS PAVEMENT 2.5" DEPTH

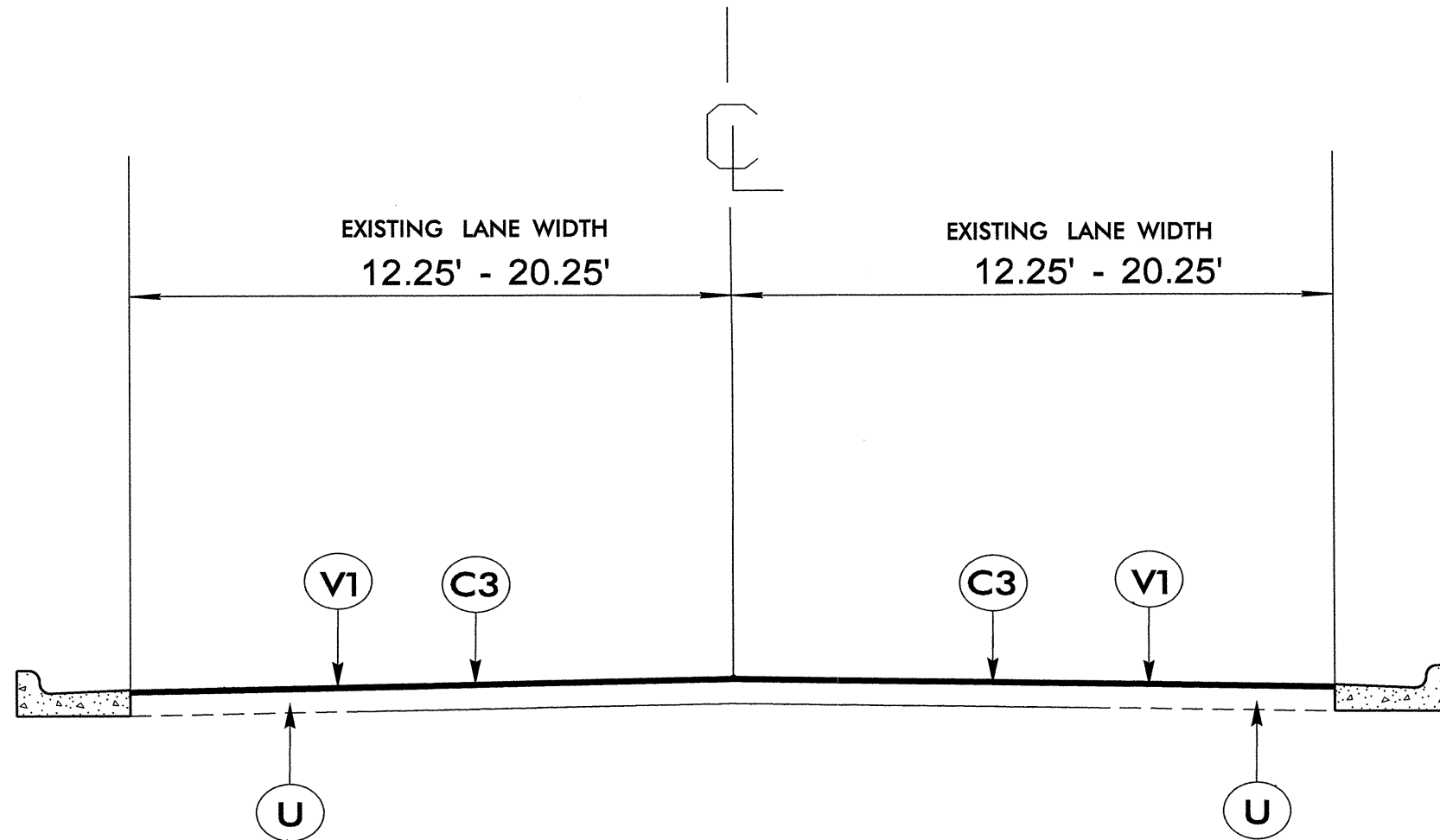
NOTES:

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

PROJECT REFERENCE NO.	SHEET NO.
1CR.10081.19, ETC.	16 OF 25

C3	PROP. APPROX. 1.5" ACSC TYPE S9.5B AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH



TYPICAL SECTION #1

USE WITH MAPS 1 & 3

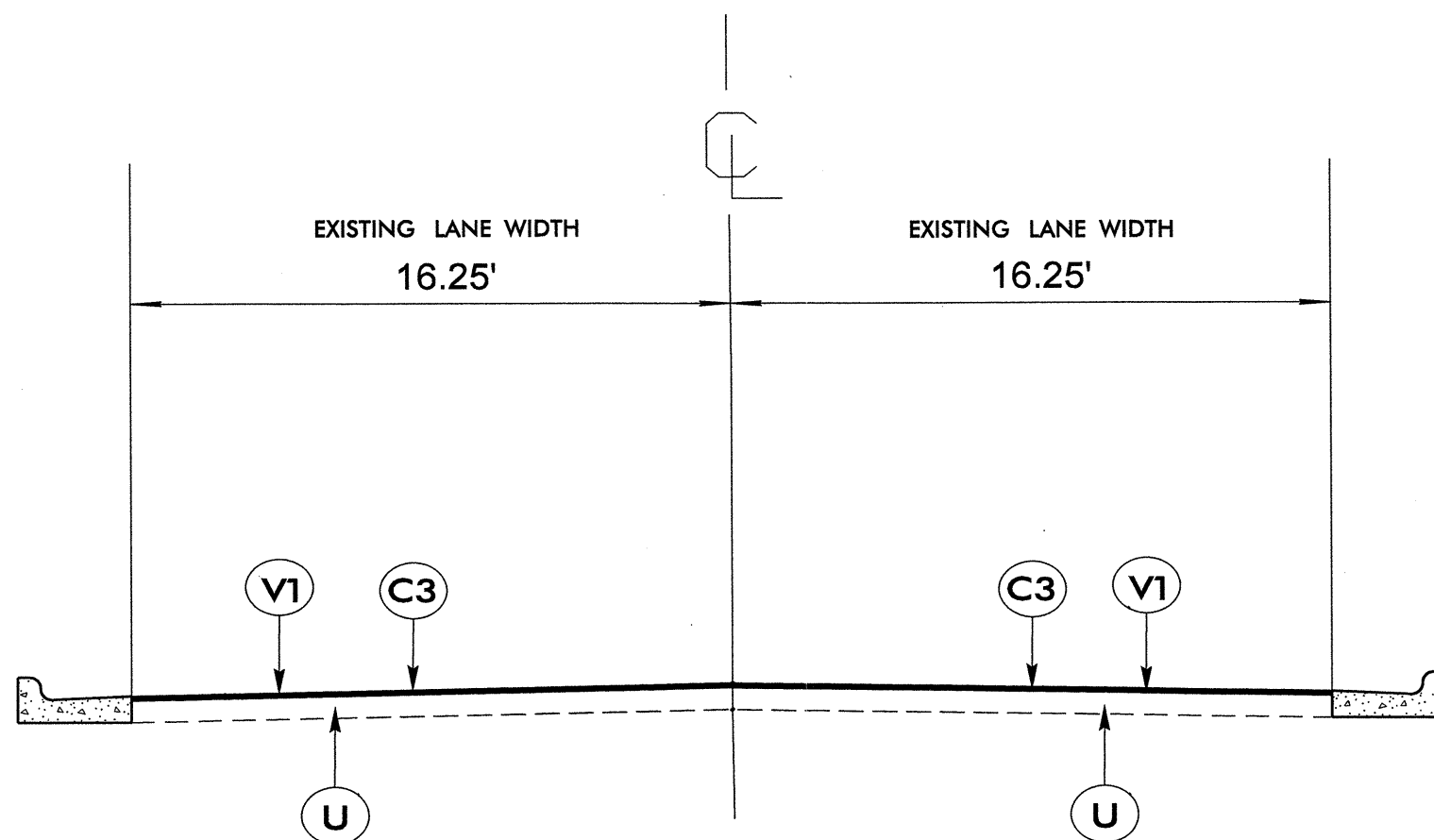
NOTES:

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

PROJECT REFERENCE NO.	SHEET NO.
1CR.10081.19, ETC.	17 OF 25

C3	PROP. APPROX. 1.5" ACSC TYPE S9.5B AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH



TYPICAL SECTION #2

USE WITH MAP 2

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

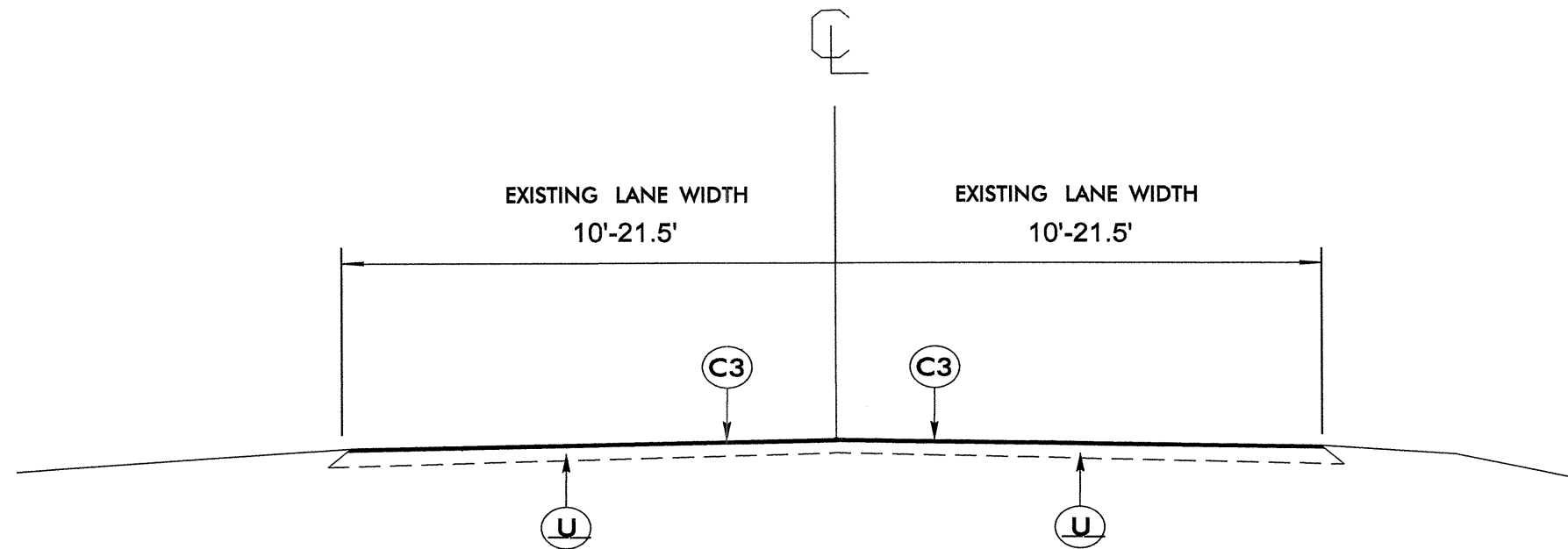
PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

SHOULDER RECONSTRUCTION TO BE PERFORMED BY OTHERS

WORK ON MAP 5 & 6 MAY NOT BEGIN UNTIL STATE FORCES
HAVE APPLIED A SURFACE TREATMENT TO ROADWAY

PROJECT REFERENCE NO.	SHEET NO.
1CR.10081.19, ETC.	18 OF 25

C3	PROP. APPROX. 1.5" ACSC TYPE S9.5B AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.
U	EXISTING PAVEMENT



TYPICAL SECTION #3

USE WITH MAP 4 & MAPS 6-9

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

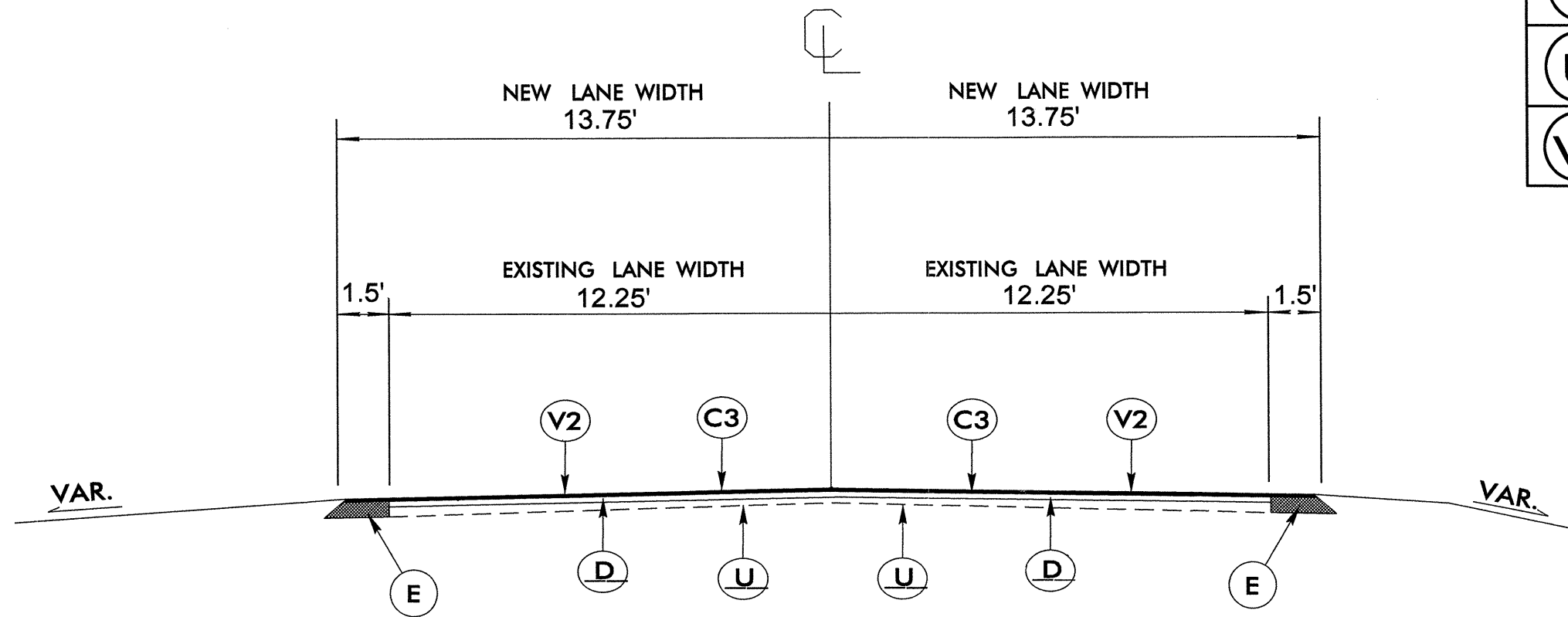
SHOULDER RECONSTRUCTION TO BE PERFORMED BY OTHERS

WORK ON MAP 5 & 6 MAY NOT BEGIN UNTIL STATE FORCES

HAVE APPLIED A SURFACE TREATMENT TO ROADWAY

PROJECT REFERENCE NO.	SHEET NO.
1CR.10081.19, ETC.	19 OF 25

C3	PROP. APPROX. 1.5" ACSC TYPE S9.5B AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.
D	PROP. APPROX. 2.5" ACIC, TYPE I19.0B AT AN AVERAGE RATE OF 285.0 LBS. PER SQ. YD.
E	PROP. APPROX. 5.5" ACBC, TYPE B25.0B AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V2	MILLING BITUMINOUS PAVEMENT 2.5" DEPTH



TYPICAL SECTION #4

**USE WITH MAP 5
STATIONS 0 + 00-12 + 00**

PROJECT REFERENCE NO.	SHEET NO.
1CR.10081.19, ETC.	20 OF 25

NOTES:

ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII,
OR AS DIRECTED BY THE ENGINEER

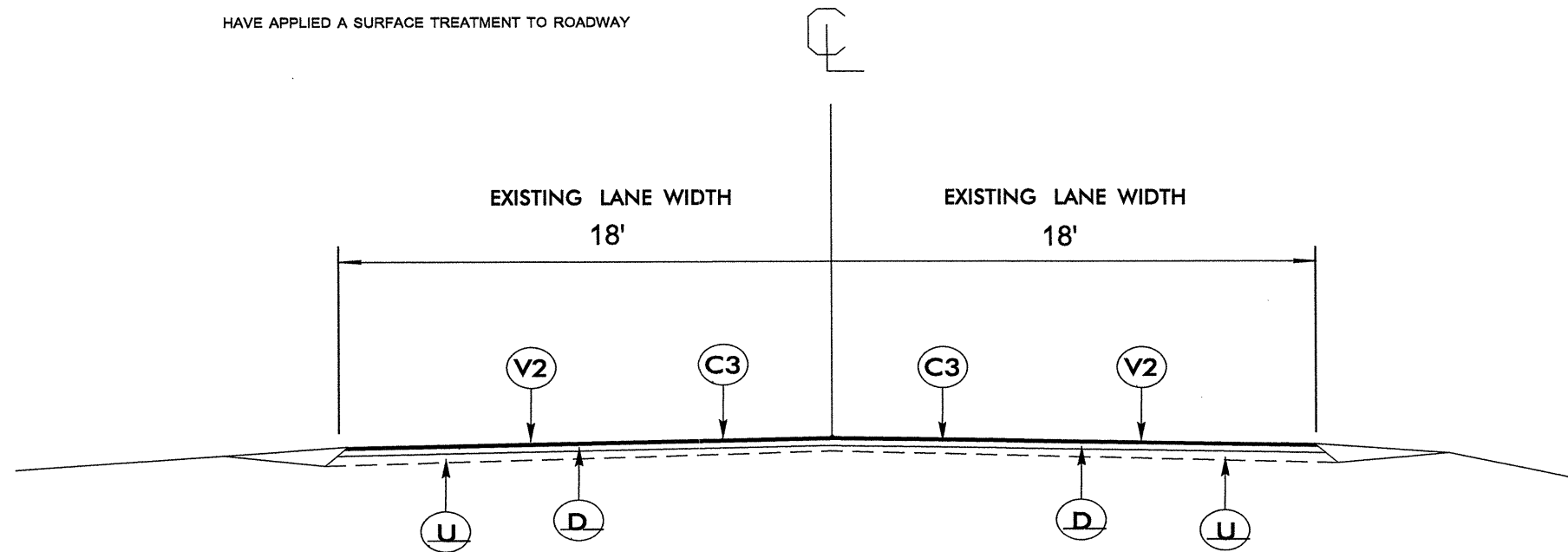
EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE
INCLUDED IN THE TABLE OF QUANTITIES

PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

SHOULDER RECONSTRUCTION TO BE PERFORMED BY OTHERS

WORK ON MAP 5 & 6 MAY NOT BEGIN UNTIL STATE FORCES
HAVE APPLIED A SURFACE TREATMENT TO ROADWAY

C3	PROP. APPROX. 1.5" ACSC TYPE S9.5B AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.
D	PROP. APPROX. 2.5" ACIC TYPE I19.0B AT AN AVERAGE RATE OF 285.0 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V2	MILLING BITUMINOUS PAVEMENT 2.5" DEPTH



TYPICAL SECTION #5

USE WITH MAP 5
STATIONS 12 + 00-20 + 75

PROJECT REFERENCE NO.	SHEET NO.
1CR.10081.19, ETC.	21 OF 25

C1	PROP. APPROX. 1.25" ACSC TYPE SF9.5A AT AN AVERAGE RATE OF 138.0 LBS. PER SQ. YD.
U	EXISTING PAVEMENT

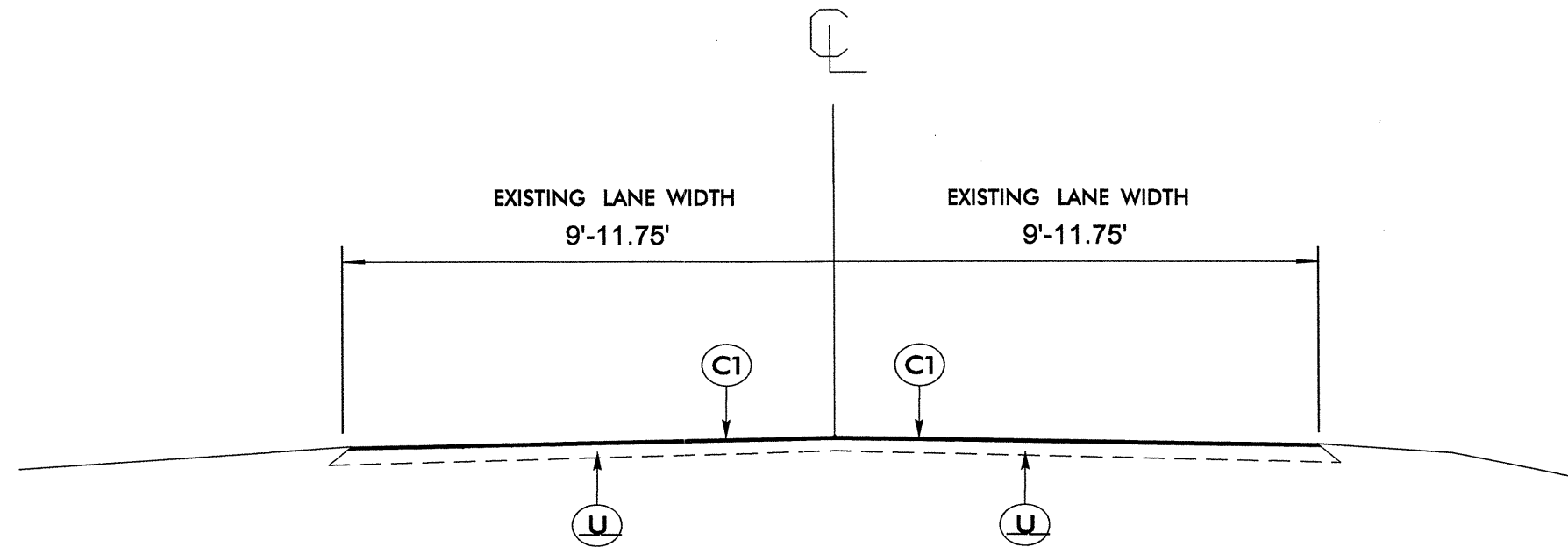
NOTES:

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

SHOULDER RECONSTRUCTION TO BE PERFORMED BY OTHERS



TYPICAL SECTION #6

**USE WITH MAP 10 SHOULDER SECTION,
MAPS 11-14, 16-21, 23-27, & 29**

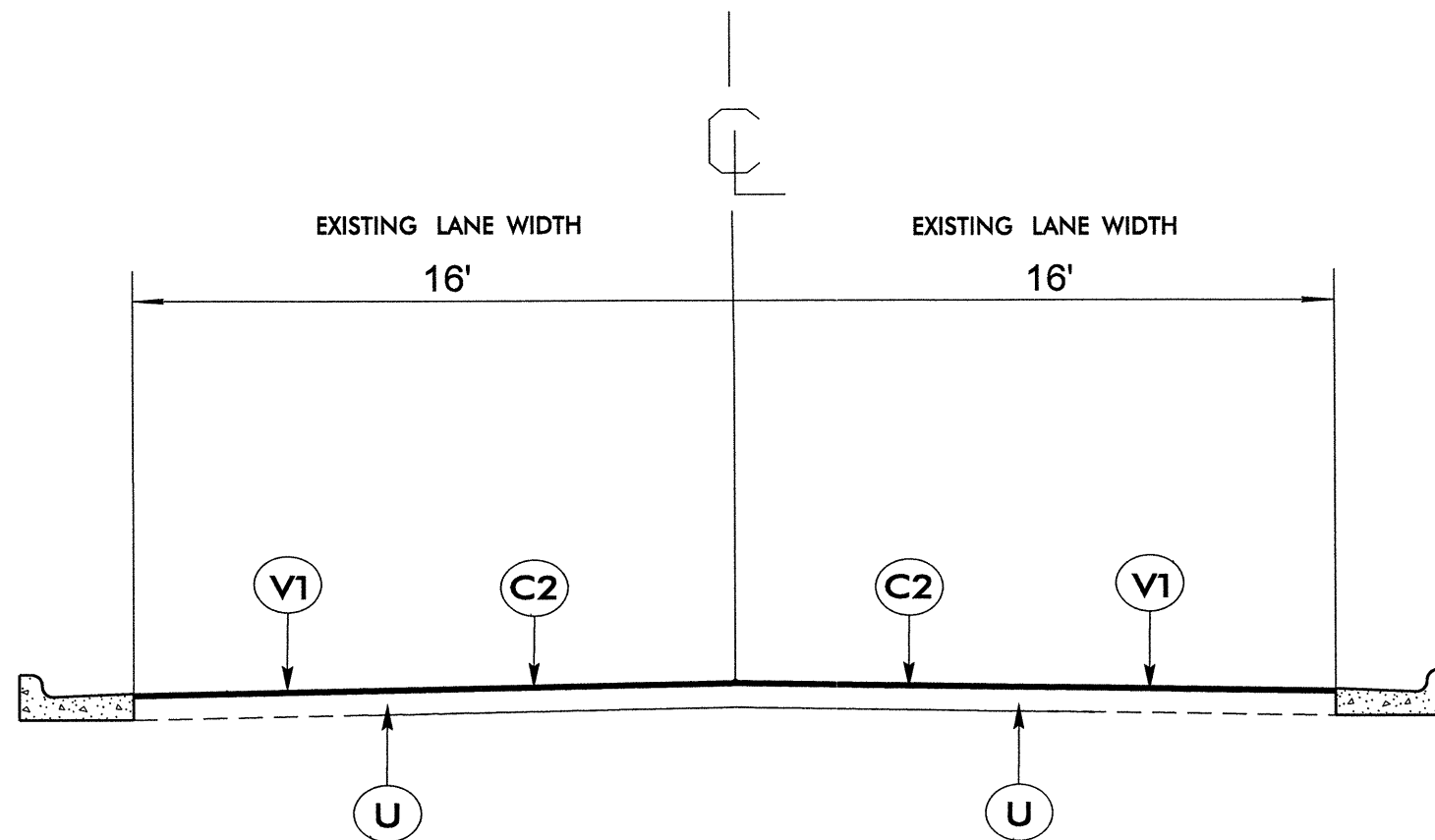
NOTES:

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

PROJECT REFERENCE NO.	SHEET NO.
1CR.10081.19, ETC.	22 OF 25

C2	PROP. APPROX. 1.5" ACSC TYPE SF9.5A AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.
U	EXISTING PAVEMENT
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH



TYPICAL SECTION #7

USE WITH MAP 10
CURB SECTION

PROJECT REFERENCE NO.	SHEET NO.
1CR.10081.19, ETC.	23 OF 25

NOTES:

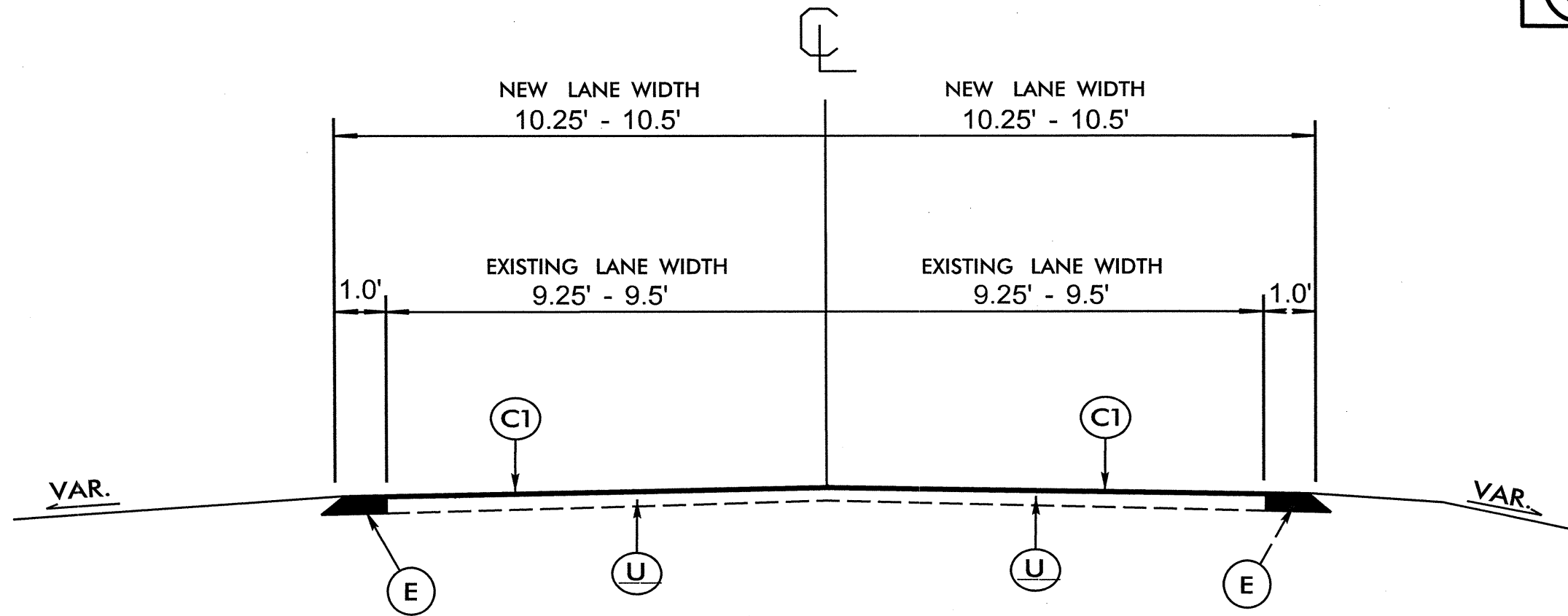
ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII OR AS DIRECTED BY THE ENGINEER

EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES

PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

SHOULDER RECONSTRUCTION TO BE PERFORMED BY OTHERS

(C1)	PROP. APPROX. 1.25" ACSC TYPE SF9.5A AT AN AVERAGE RATE OF 138.0 LBS. PER SQ. YD.
(E)	PROP. APPROX. 5.5" ACBC, TYPE B25.0B AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
(U)	EXISTING PAVEMENT



TYPICAL SECTION #8

USE WITH MAPS 15, 22, & 28

PROJECT NO.	SHEET NO.	TOTAL NO.
1CR.10081.19, ETC.	24	25

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYPICAL NO	LENGTH MI	WIDTH FT	NEW WIDTH FT	MOBILIZATION LS	1½" MILLING SY	2½" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0B TONS	INTERMEDIATE COURSE, I19.0B TONS	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TONS	LEVELING COURSE, TYPE SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	2'-6" CURB & GUTTER LF	RETROFIT EXISTING CONCRETE CURB RAMPS EA	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA
1CR.10081.19	Bertie	1	NC 308 STERLINGWORTH ST	FROM GRANVILLE ST TO END CURB	1	0.30	40.5		1	7,200					735			44	150		6	4
1CR.10081.20	Bertie	2	US 13 BUS	FROM GRANVILLE ST TO US 17 BUS	2	0.47	32.5		*	9,300					900		325	76		8	5	5
1CR.10081.21	Bertie	3	US 17 BUS	FROM US 13 BUS TO NC 308	1	0.83	24.5-40		*	14,400					1,450			87		5	2	1
1CR.10081.22	Bertie	4	US 13	FROM HERTFORD COUNTY TO SR 1235	3	0.84	29-48		*						1,625			98				
1CR.10081.23	Bertie	5	US 13	FROM US 17 BYPASS TO SR 1388	4,5	0.40	24.5-36	27.5-36	*		7,200		175	1,000	725			100				
1CR.10461.18	Hertford	6	US 13	FROM SR 1418 TO BERTIE COUNTY	3	1.22	29-41		*						2,200			132				
1CR.10661.21	Northampton	7	NC 305	FROM NCL JACKSON TO SCL SEABOARD	3	6.30	20-43		*						6,765			406				4
1CR.10661.22	Northampton	8	NC 46	FROM SR 1200 TO ECL GASTON	3	1.44	25.5		*						2,000			120				
1CR.10661.23	Northampton	9	NC 48	FROM I-95 TO US 301	3	2.96	24.5		*			1,375			4,225			254				
1CR.20081.47	Bertie	10	SR 1100 GRABTOWN RD/ GHENT ST	FROM US 13 TO NC 308	6,7	0.66	20.5-32		*	6,100						850		57			4	2
1CR.20081.48	Bertie	11	SR 1209 NC 11 BUSINESS	FROM NC 11 TO SR 1200	6	1.06	20		*							975		65				
1CR.20081.49	Bertie	12	SR 1228 EARLY STATION RD	FROM SR 1235 TO HERTFORD COUNTY	6	2.51	20.5		*							2,250		151				
1CR.20081.50	Bertie	13	SR 1200 HEXLENA RD	FROM US 13 TO SR 1242	6	1.96	21		*							1,835		123				
1CR.20081.51	Bertie	14	SR 1344 PERRYTOWN RD	FROM SR 1001 TO SR 1346	6	3.75	20		*							3,275		219				
1CR.20081.52	Bertie	15	SR 1301 PINE RIDGE RD	FROM SR 1348 TO SR 1346	8	0.97	19	21	*				475			950		85				
MAP DELETED		16																				
MAP DELETED	Bertie	17																				
1CR.20461.38	Hertford	18	SR 1111 HOLLOWELL RD	FROM NC 11 TO SR 1112	6	1.94	20		*							1,650		110				
1CR.20461.39	Hertford	19	SR 1409 AHOSKIE COFIELD RD	FROM SR 1403 TO END CURB	6	2.00	23.5		*							2,150		144				
1CR.20461.40	Hertford	20	SR 1169 WOODROW SCHOOL RD	FROM NC 11 TO SR 1160	6	1.35	20		*							1,150		77				
1CR.20461.41	Hertford	21	SR 1179 UNION ST	FROM US 158 TO BEGIN CURB	6	0.60	24		*							625		42				
1CR.20461.42	Hertford	22	SR 1160 BENTHALL BRIDGE RD	FROM SR 1167 TO SR SR 1142	8	1.32	18.5	20.5	*			200	650			1,150		106				
1CR.20461.43	Hertford	23	SR 1311 BOONE BRIDGE RD	FROM SR 1313 TO SR 1314	6	1.33	20		*			160				1,225		82				
1CR.20461.44	Hertford	24	SR 1433 OLD FERRY RD	FROM NC 45 TO END MAINTENANCE	6	0.75	18		*							575		38				
1CR.20461.45	Hertford	25	SR 1167 BEAVER DAM RD	FROM NC 11 TO SR 1160	6	1.79	18.5		*							1,425		95				
1CR.20661.68	Northampton	26	SR 1510 JENKINS MILL RD	FROM NC 35 TO SR 1504	6	4.29	21		*			240				3,875		260				
1CR.20661.69	Northampton	27	SR 1341 TOWER RD	FROM SR 1344 TO NC 186	6	5.78	19-21		*			450				5,400		362				
1CR.20661.70	Northampton	28	SR 1333 MT CARMEL RD	FROM SR 1341 TO SR 1347	8	3.58	18.5	20.5	*				1,765			3,165		290				
MAP DELETED		29																				
GRAND TOTAL						50.40			1	37,000	7,200	2,425	3,065	1,000	20,625	32,525	325	3,623	150	13	17	16

PROJECT NO.	SHEET NO.	TOTAL NO.
1CR.10081.19, ETC.	25	25

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYPICAL NO	LENGTH MI	WIDTH FT	NEW WIDTH FT	TEMPORARY TRAFFIC CONTROL LS	4" WHITE PAINT	4" YELLOW PAINT	16" WHITE PAINT	24" WHITE PAINT	PAIN T CHARACTERS EA	INDUCTIVE LOOP SAW CUT LF	LEAD-IN CABLE 14-2 LF
										LF	LF	LF	LF			
1CR.10081.19	Bertie	1	NC 308 STERLINGWORTH ST	FROM GRANVILLE ST TO END CURB	1	0.30	40.5		1	200	9,600					
1CR.10081.20	Bertie	2	US 13 BUS	FROM GRANVILLE ST TO US 17 BUS	2	0.47	32.5		*	2,000	12,000					
1CR.10081.21	Bertie	3	US 17 BUS	FROM US 13 BUS TO NC 308	1	0.83	24.5-40		*	7,100	13,000					
1CR.10081.22	Bertie	4	US 13	FROM HERTFORD COUNTY TO SR 1235	3	0.84	29-48		*	9,000	8,000					
1CR.10081.23	Bertie	5	US 13	FROM US 17 BYPASS TO SR 1388	4,5	0.40	24.5-36	27.5-36	*	4,400	11,200					
1CR.10461.18	Hertford	6	US 13	FROM SR 1418 TO BERTIE COUNTY	3	1.22	29-41		*	13,100	11,000					
1CR.10661.21	Northampton	7	NC 305	FROM NCL JACKSON TO SCL SEABOARD	3	6.30	20-43		*	67,000	41,544		200	12		
1CR.10661.22	Northampton	8	NC 46	FROM SR 1200 TO ECL GASTON	3	1.44	25.5		*	15,200	9,500					
1CR.10661.23	Northampton	9	NC 48	FROM I-95 TO US 301	3	2.96	24.5		*	31,500	19,500					
1CR.20081.47	Bertie	10	SR 1100 GRABTOWN RD/ GHENT ST	FROM US 13 TO NC 308	6,7	0.66	20.5-32		*	3,600	9,048					
1CR.20081.48	Bertie	11	SR 1209 NC 11 BUSINESS	FROM NC 11 TO SR 1200	6	1.06	20		*	11,200	7,000					
1CR.20081.49	Bertie	12	SR 1228 EARLY STATION RD	FROM SR 1235 TO HERTFORD COUNTY	6	2.51	20.5		*	26,548	16,600					
1CR.20081.50	Bertie	13	SR 1200 HEXLENA RD	FROM US 13 TO SR 1242	6	1.96	21		*	20,700	12,940					
1CR.20081.51	Bertie	14	SR 1344 PERRYTOWN RD	FROM SR 1001 TO SR 1346	6	3.75	20		*	39,552	24,720					
1CR.20081.52	Bertie	15	SR 1301 PINE RIDGE RD	FROM SR 1348 TO SR 1346	8	0.97	19	21	*	10,244	6,400					
MAP DELETED		16														
MAP DELETED		17														
1CR.20461.38	Hertford	18	SR 1111 HOLLOWELL RD	FROM NC 11 TO SR 1112	6	1.94	20		*	20,452	12,780					
1CR.20461.39	Hertford	19	SR 1409 AHOSKIE COFIELD RD	FROM SR 1403 TO END CURB	6	2.00	23.5		*	21,120	13,176					
1CR.20461.40	Hertford	20	SR 1169 WOODROW SCHOOL RD	FROM NC 11 TO SR 1160	6	1.35	20		*	14,256	8,908					
1CR.20461.41	Hertford	21	SR 1179 UNION ST	FROM US 158 TO BEGIN CURB	6	0.60	24		*	6,352	3,968					
1CR.20461.42	Hertford	22	SR 1160 BENTHALL BRIDGE RD	FROM SR 1167 TO SR SR 1142	8	1.32	18.5	20.5	*	13,900	8,688					
1CR.20461.43	Hertford	23	SR 1311 BOONE BRIDGE RD	FROM SR 1313 TO SR 1314	6	1.33	20		*	14,000	8,752					
1CR.20461.44	Hertford	24	SR 1433 OLD FERRY RD	FROM NC 45 TO END MAINTENANCE	6	0.75	18		*	7,920	4,940				150	25
1CR.20461.45	Hertford	25	SR 1167 BEAVER DAM RD	FROM NC 11 TO SR 1160	6	1.79	18.5		*	18,900	11,812					
1CR.20461.68	Northampton	26	SR 1510 JENKINS MILL RD	FROM NC 35 TO SR 1504	6	4.29	21		*	45,300	28,312					
1CR.20461.69	Northampton	27	SR 1341 TOWER RD	FROM SR 1344 TO NC 186	6	5.78	19-21		*	61,036	38,156	100	50	4		
1CR.20461.70	Northampton	28	SR 1333 MT CARMEL RD	FROM SR 1341 TO SR 1347	8	3.58	18.5	20.5	*	37,800	23,624					
MAP DELETED		29														
GRAND TOTAL						50.4			1	522,380	375,168	100	250	16	150	25
										897,548						

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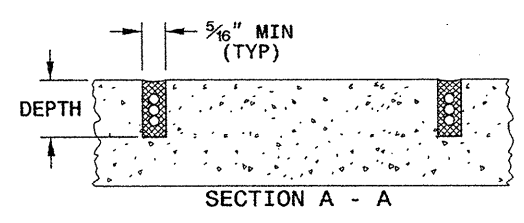
11-08

ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS

SHEET 1 OF 3
1725D01

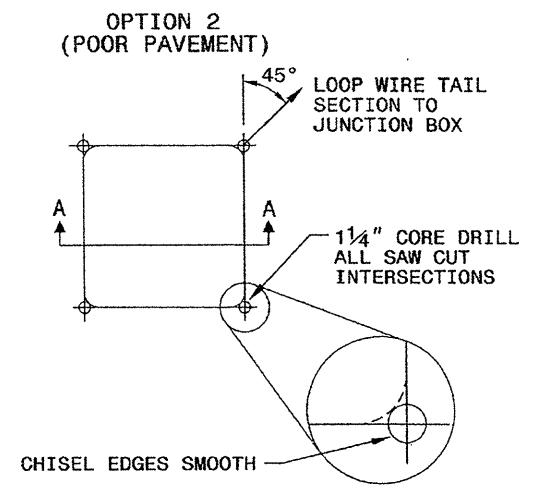
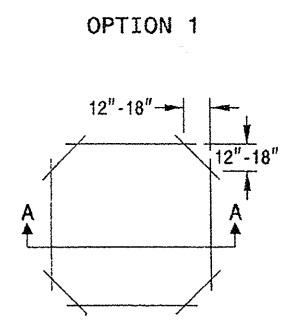
SAW SLOT DEPTH CHART

DEPTH (IN)	NO. OF WIRE TURNS				
	2	3	4	5	6
CONCRETE	2.0	2.0	2.5	2.5	3.0
ASPHALT	2.0	2.5	3.0	3.0	3.0

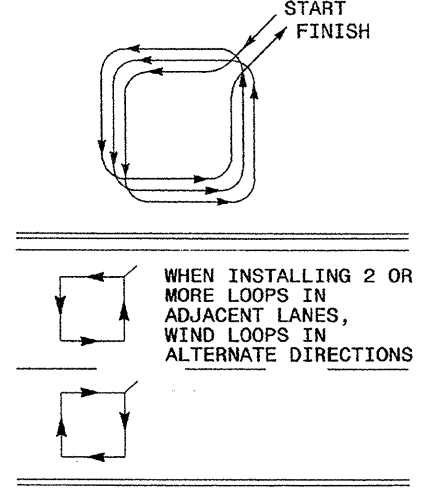


CONVENTIONAL 4-SIDED LOOP

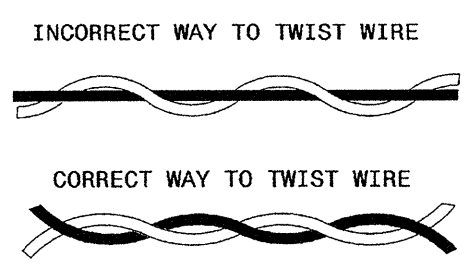
SAW CUT OPTIONS



LOOP WINDING METHOD



LOOP WIRE TWISTING METHOD

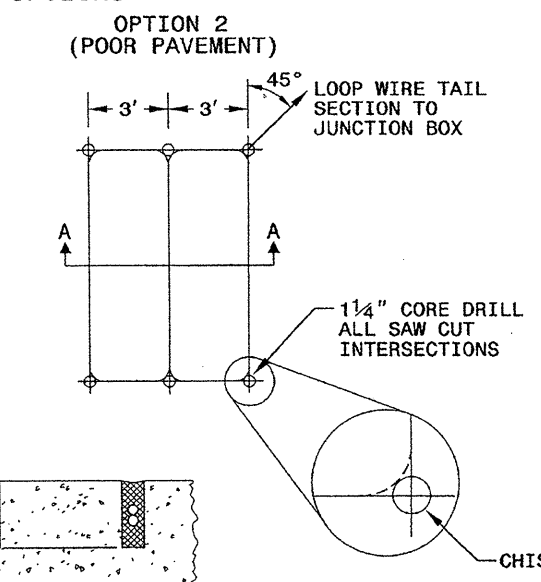
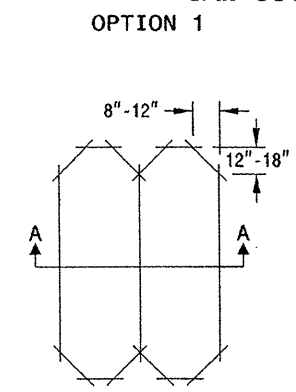


NOTES

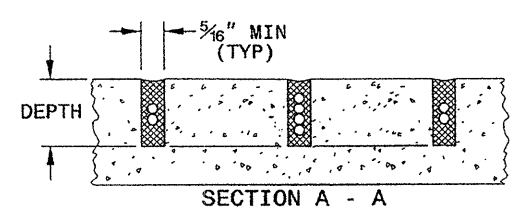
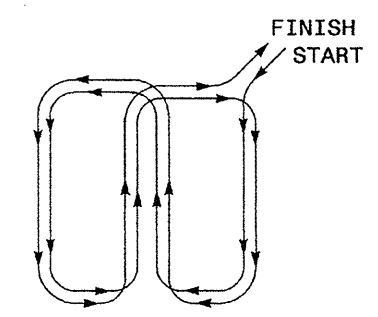
1. OVERLAP SAW CUTS AT CORNERS AND INTERSECTION POINTS TO ENSURE UNIFORM SAW SLOT DEPTH.
2. MAINTAIN 12" SPACING BETWEEN LOOP WIRE TAIL SECTIONS.
3. WIRE LOOPS CONNECTED TO THE SAME DETECTOR CHANNEL IN SERIES.
4. LOCATE LOOPS IN CENTER OF LANES UNLESS OTHERWISE SHOWN ON PLANS OR APPROVED BY ENGINEER.

QUADRUPOLE LOOP

SAW CUT OPTIONS



LOOP WINDING METHOD



DEPTH IS 2.5" FOR CONCRETE AND 3.0" FOR ASPHALT

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ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS

SHEET 1 OF 3
1725D01

See Plate for Title

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750 N. Greenfield Parkway
Garner, NC 27529

SEAL

Nithya S. Dea 11/24/08
SIGNATURE DATE

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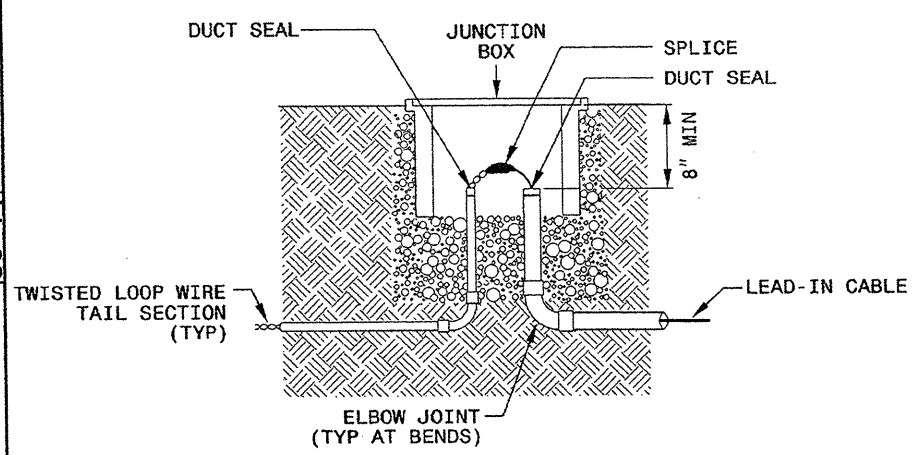
11-08

ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS
 LOOP WIRE DETAILS

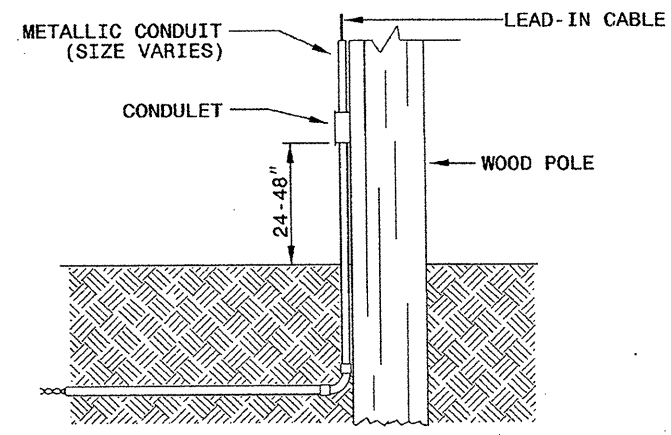
SHEET 2 OF 3
1725D01

LOOP WIRE SPLICE POINT DETAILS

LOOP WIRE AT JUNCTION BOX



LOOP WIRE AT POLE

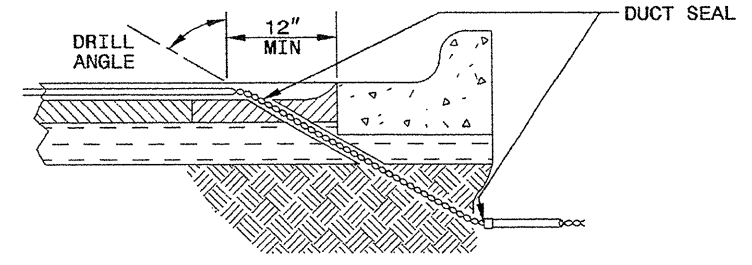


NOTE

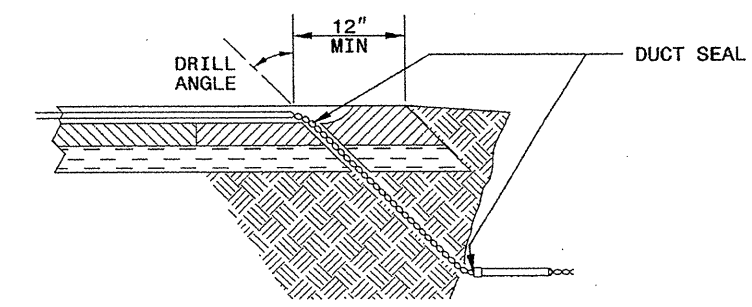
SPLICE ALL LOOP WIRE TAIL SECTIONS/LEAD-IN CABLE IN JUNCTION BOXES OR APPROVED CONDULETS.

LOOP WIRE PAVEMENT EDGE DETAILS

LOOP WIRE AT CURB & GUTTER SECTION



LOOP WIRE AT PAVEMENT SECTION



NOTES

1. DO NOT EXCAVATE UNDER CURB AND GUTTER SECTIONS FOR CONDUIT INSTALLATION.
2. TWIST LOOP WIRE TAIL SECTIONS FROM WHERE LOOP WIRE TAIL LEAVES SAW CUT TO JUNCTION BOX, INCLUDING THROUGH CONDUIT.
3. BEFORE SEALING LOOPS, INSTALL DUCT SEAL WHERE LOOP WIRE TAIL SECTION LEAVES SAW CUT IN PAVEMENT AND AT ENTRANCE OF CONDUIT TO JUNCTION BOX.

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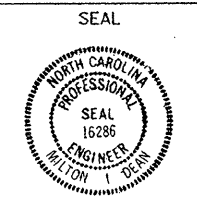
ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS
 LOOP WIRE DETAILS

SHEET 2 OF 3
1725D01

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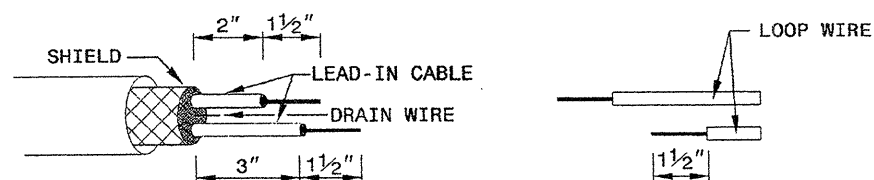
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RALEIGH, N.C.

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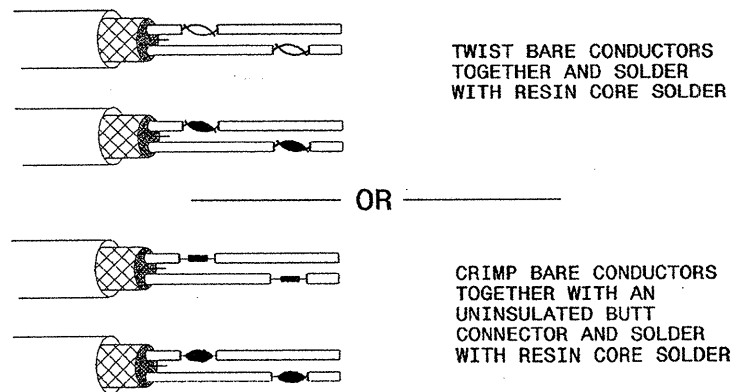
ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS
SPlicing FOR LEAD-IN CABLE AND LOOP WIRE

SHEET 3 OF 3
1725D01

STEP 1. STRIP LOOP WIRE AND LEAD-IN CABLE

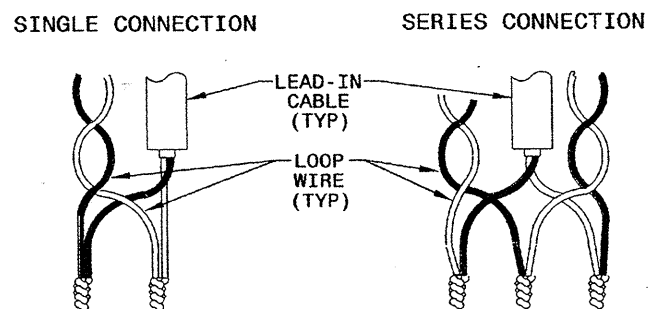


STEP 2. CONNECT AND SOLDER

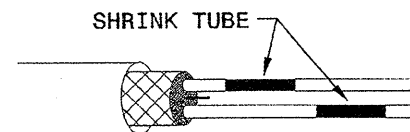


BOND SHIELD DRAIN WIRE AT SPLICE SECTIONS (DO NOT GROUND)

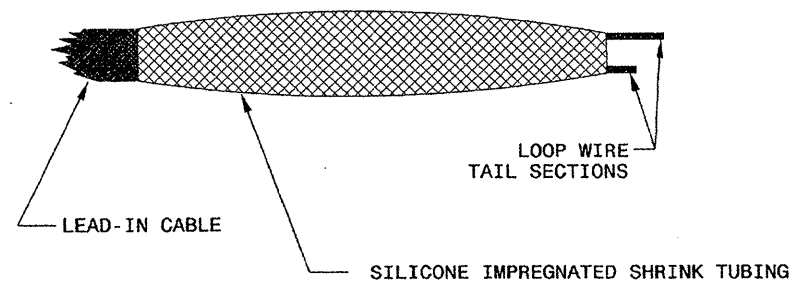
LOOP WIRE AND LEAD-IN CABLE CONNECTION DETAILS



STEP 3. INSULATE EACH SOLDER JOINT SEPARATELY



STEP 4. ENVIRONMENTALLY PROTECT SPLICE



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ENGLISH DETAIL DRAWING FOR
INDUCTIVE DETECTION LOOPS
SPlicing FOR LEAD-IN CABLE AND LOOP WIRE

SHEET 3 OF 3
1725D01

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