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STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

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STATE	STAT	E PROJECT REPERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.		I-5905	1	
STAT	B PROJ. NO.	F. A. PROJ. NO.	DESCRIPT	ION
4588	38.3.1	NHPIM-0085(050)	CON	ST.

LOCATION:

I-85 FROM THE CONCRETE PAVEMENT JOINT SOUTH OF

NC 16 BROOKSHIRE BLVD TO CONCRETE PAVEMENT JOINT AT US 29

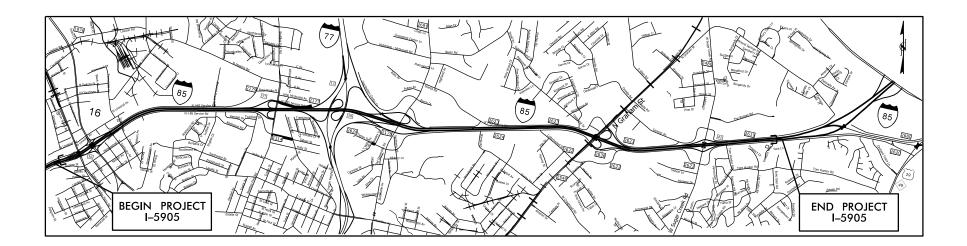
BY PASS CONNECTOR ROAD MM 35.95 TO MM 42.03

TYPE OF WORK: MILLING AND PAVING WITH HOT MIX ASPHALT

MECKLENBURG

PAVEMENT MARKINGS & SNOWPLOWABLE

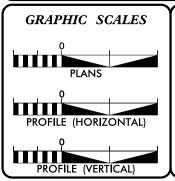
PAVEMENT MARKERS, STRUCTURAL REHABILITATION



CONTRACT

00

PROJEC



DESIGN DATA

ADT 2016 = 181,000 ADT = % K = % D = % T = % * V = 60 MPH * TTST = DUAL

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT

TOTAL LENGTH OF STATE PROJECT

= 6.08 MILES

= 6.08 MILES

RIGHT OF WAY DATE:

NA

LETTING DATE:

JUNE 15, 2021

Prepared in the Office of: DIVISION OF HIGHWAYS

JOHN H. EDMONDS

PROJECT ENGINEER

TRAVIS LOWDER

PROJECT DESIGN ENGINEER



7/9

PROJECT REFERENCE NO. SHEET NO.

I-5905 /A

INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS

INDEX OF SHEETS

SHEET NUMBER SHEET

TITLE SHEET

1A INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS

2 THRU 7 PLAN SHEETS

8 THRU 20 TYPICAL AND DETAIL SHEETS

21 THRU 23 SUMMARY OF QUANTITIES

TMP-1 THRU TMP-11 TRANSPORTATION MANAGEMENT PLANS

PMP-1 THRU PMP-2 PAVEMENT MARKING PLANS

EC-1 THRU EC-2 EROSION CONTROLPLANS

SIG-1 SIGNAL PLANS

X-1 THRU X-23 CROSS-SECTIONS (X-3 IS OMITTED)

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES", DATED JANUARY 2018, THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION "ROADWAY STANDARD DRAWINGS", DATED JANUARY 2018, AND THE CURRENT EDITION OF THE "MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES" UNLESS OTHERWISE NOTED ON THE PLANS OR WITHIN THE SPECIFICATIONS OF THE CONTRACT DOCUMENTS

GENERAL NOTES: 2018 SPECIFICATIONS
EFFECTIVE: JANUARY 2018

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTERLINE OF THE SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01 OR 560.02.

WHEELCHAIR RAMPS:

WHEELCHAIR RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in the "Roadway Standard Drawings" Highway Design Branch – N.C. Department of Transportation – Raleigh, N.C. Dated January 2018 are applicable to this project and by reference hereby considered a part of these plans:

STD. NO. TITLE

DIVISION 2 - EARTHWORK

225.01 Guide for Grading Subgrade - Interstate and Freeway

DIVISION 5 - SUBGRADE, BASES, AND SHOULDERS

560.01 Method of Shoulder Construction - High Side of Superelevated Curve - Method I
560.02 Method of Shoulder Construction - High Side of Superelevated Curve - Method II

DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS

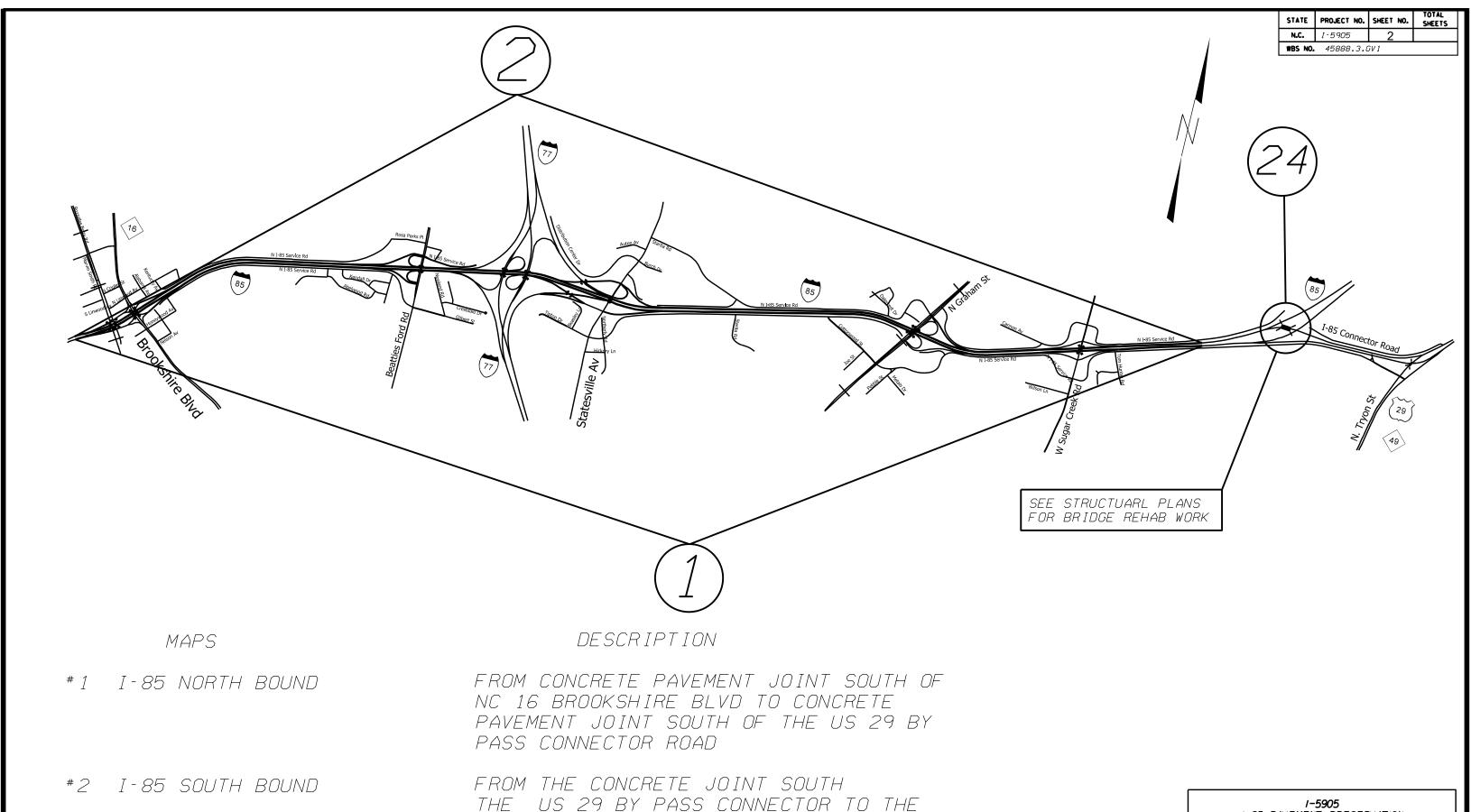
700.01 Concrete Pavement Joints - Construction and Contraction Joints

700.03 Dowel Assembly

700.04 Concrete Pavement Header Board

DIVISION 8 - INCIDENTALS

848.01 Concrete Sidewalk



CONCRETE PAVEMENT JOINT SOUTH OF NC 16

#24 US 29 FLYOVER BRIDGE

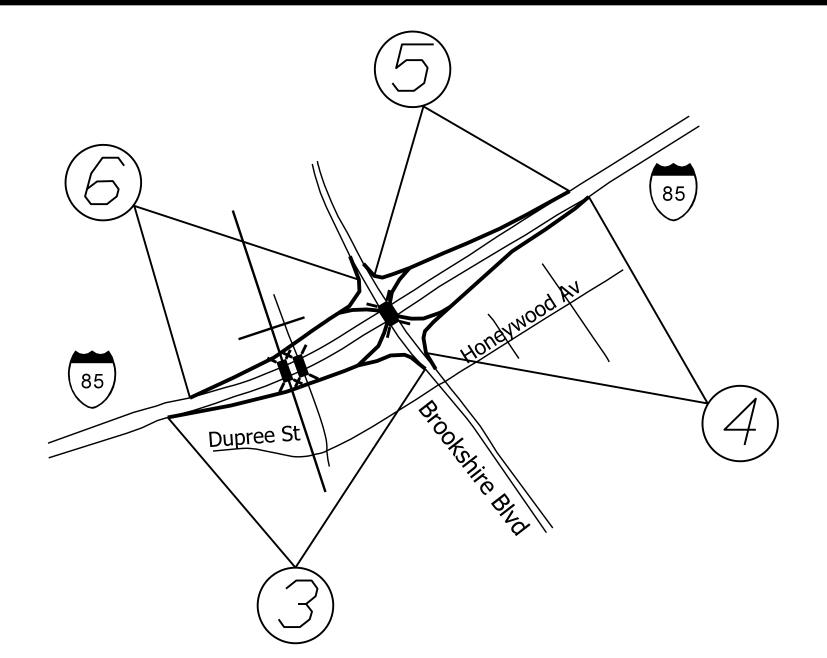
OVER I-85

BROOKSHIRE BLVD.

SCALE	-NA-
DATE	3/19
DWG. BY	JHE
DESIGN BY	JHE







 STATE
 PROJECT NO.
 SHEET NO.
 TOTAL SHEETS

 N.C.
 I - 5905
 3

 WBS NO.
 45888.3.6V1



MAPS

#3 NB OFF RAMP

#4 NB ON RAMP

#5 SB OFF RAMP

#6 SB ON RAMP

DESCRIPTION

FROM PHYSICAL GORE TO TOP OF RAMP AT BROOKSHIRE BLVD.

FROM TOP OF RAMP AT BROOKSHIRE BLVD TO PHYSICAL GORE

FROM PHYSICAL GORE TO TOP OF RAMP AT BROOKSHIRE BLVD.

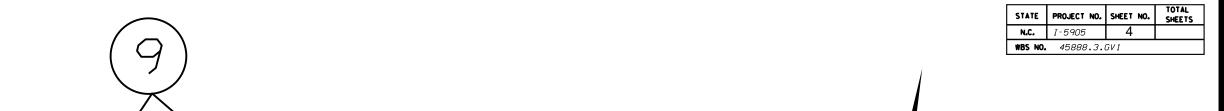
FROM TOP OF RAMP AT BROOKSHIRE BLVD TO PHYSICAL GORE

I-5905 I-85 PAVEMENT PRESERVATION MECKLENBURG COUNTY

SCALE -NADATE 3/19
DWG. BY JHE
DESIGN BY JHE



REVISIONS





MAPS

#7 NB OFF RAMP

#8 SB LOOP OFF RAMP

#9 SB ON RAMP

DESCRIPTION

Rosa Parks Pl

Beatties Ford Rd

Twinfield Dr

FROM PHYSICAL GORE TO TOP OF RAMP AT BEATTIES FORD RD

FROM PHYSICAL GORE TO TOP OF LOOP RAMP AT BEATTIES FORD RD.

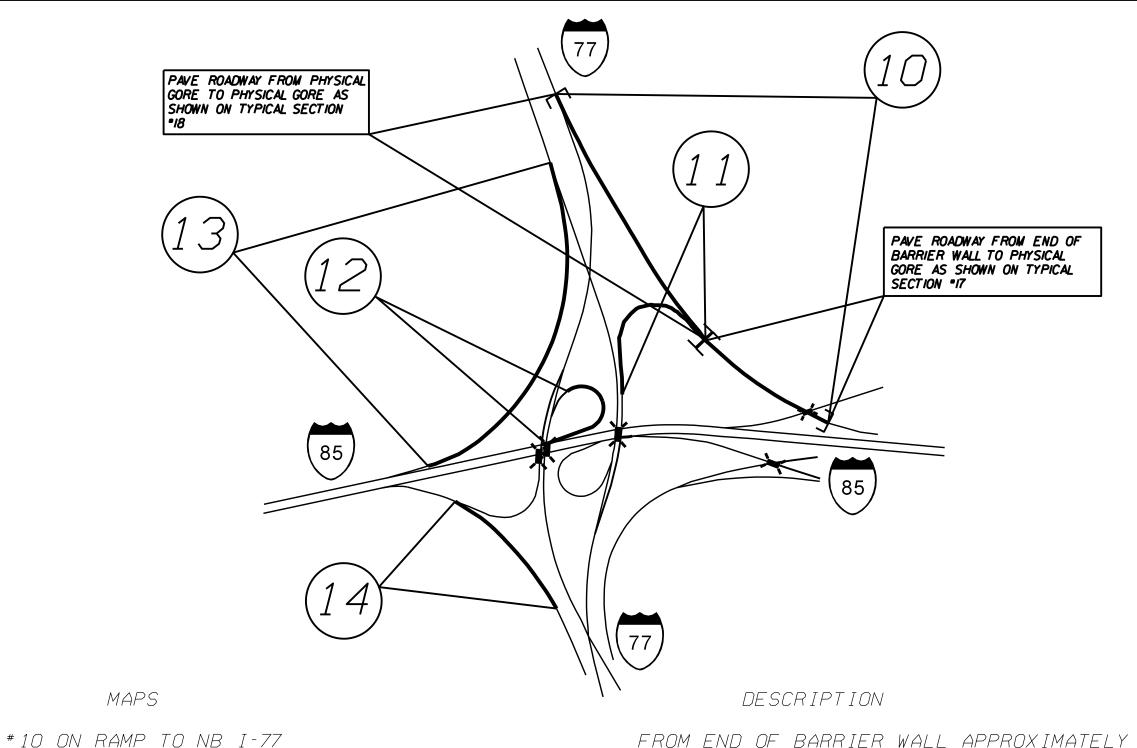
FROM TOP OF RAMP AT BEATTIES FORD RD TO PHYSICAL GORE

	1-59	905
<i>1-85</i>	PAVEMENT	PRESERVATION
	MECKLENBU	RG COUNTY

SCALE	-NA-
DATE	3/19
DWG. BY	JHE
DESIGN BY	JHE



REVISIONS



11 LOOP ON RAMP TO SB I-77

#12 LOOP ON RAMP TO SB I-85

#13 ON RAMP TO SB I-85

#14 ON RAMP TO SB I-77

STATE PROJECT NO. SHEET NO. TOTAL SHEETS

N.C. 1-5905 5

WBS NO. 45888.3.GV1

FROM END OF BARRIER WALL APPROXIMATELY 3240 FEET TO PHYSICAL GORE

FROM PHYSICAL GORE AT SPLIT TO PHYSICAL GORE

FROM PHYSICAL GORE TO PHYSICAL GORE

FROM PHYSICAL GORE TO PHYSICAL GORE

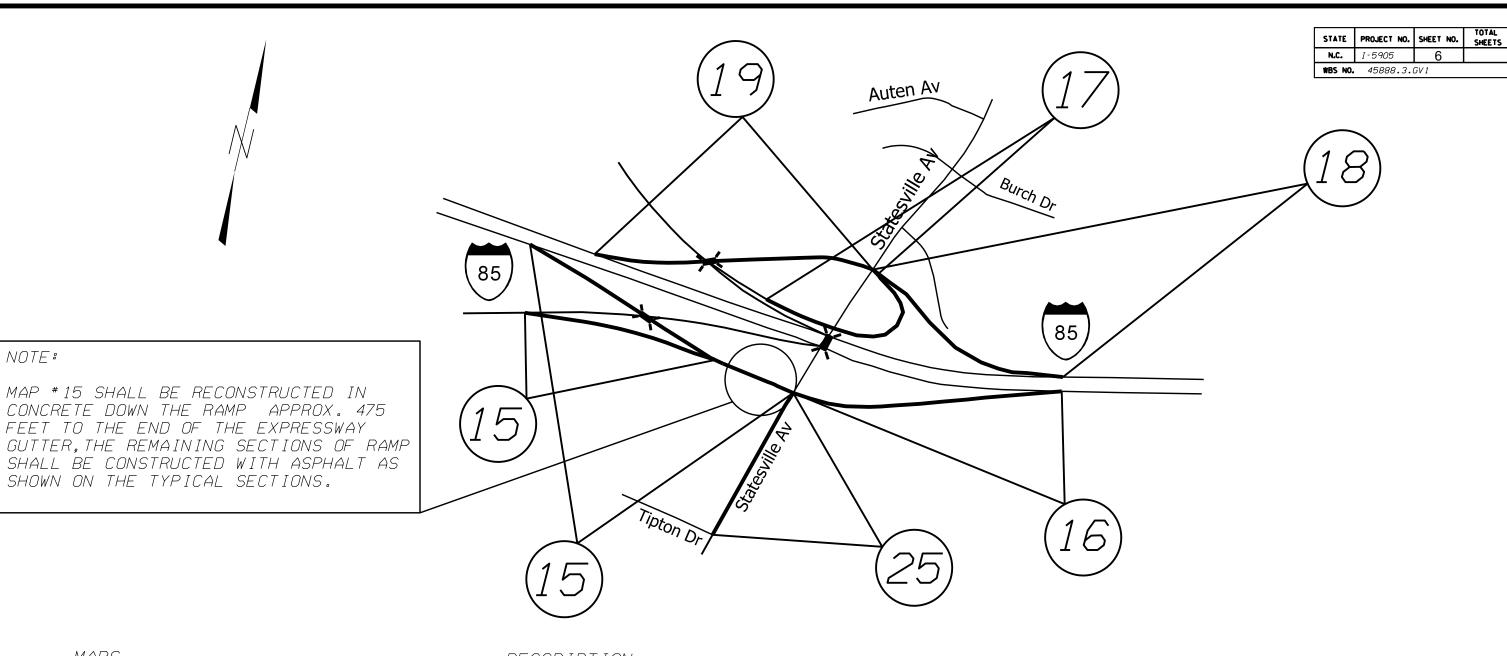
FROM PAVEMENT JOINT TO APPROXIMATELY 730 FEET DOWN RAMP

I-5905 I-85 PAVEMENT PRESERVATION MECKLENBURG COUNTY

SCALE	-MA-
DATE	3/19
DWG. BY	JHE
DESIGN BY	JHE
ADDD050	



REVISIONS



MAPS

SHOWN ON THE TYPICAL SECTIONS.

#15 NB OFF RAMP

NOTE:

#16 NB ON RAMP

#17 SB LOOP ON RAMP

#18 SB OFF RAMP

#19 SB ON RAMP

#25 SB STATESVILLE AVE

DESCRIPTION

FROM PHYSICAL GORE TO TOP OF RAMP AT STATESVILLE AVE.

FROM TOP OF RAMP AT STATESVILLE AVE TO PHYSICAL GORE

FROM TOP OF LOOP RAMP AT STATESVILLE ROAD TO THE END OF BARRIER WALL

FROM PHYSICAL GORE TO TOP OF RAMP AT STATESVILLE ROAD

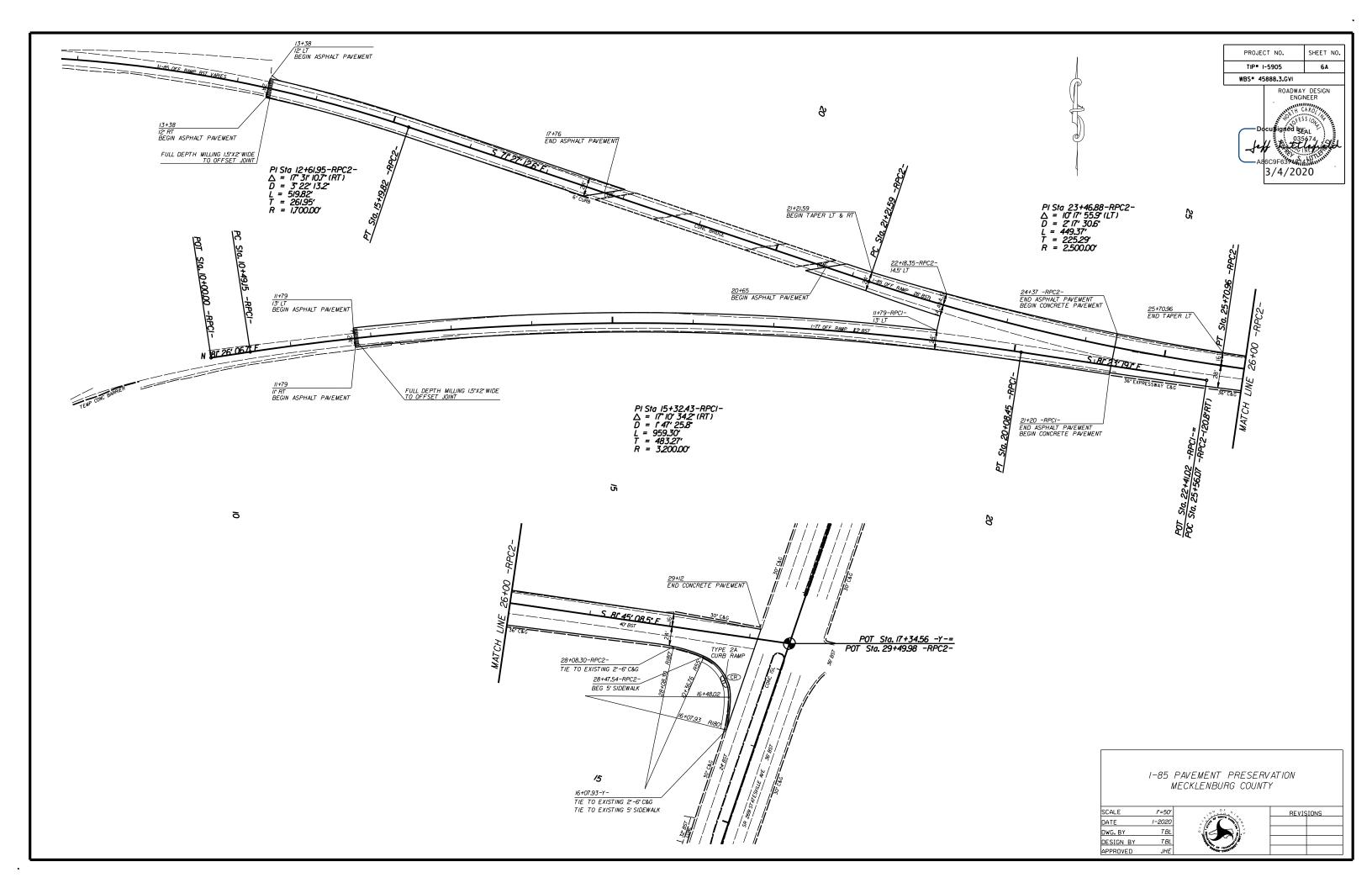
FROM TOP OF RAMP AT STATESVILLE ROAD TO PHYSICAL GORE

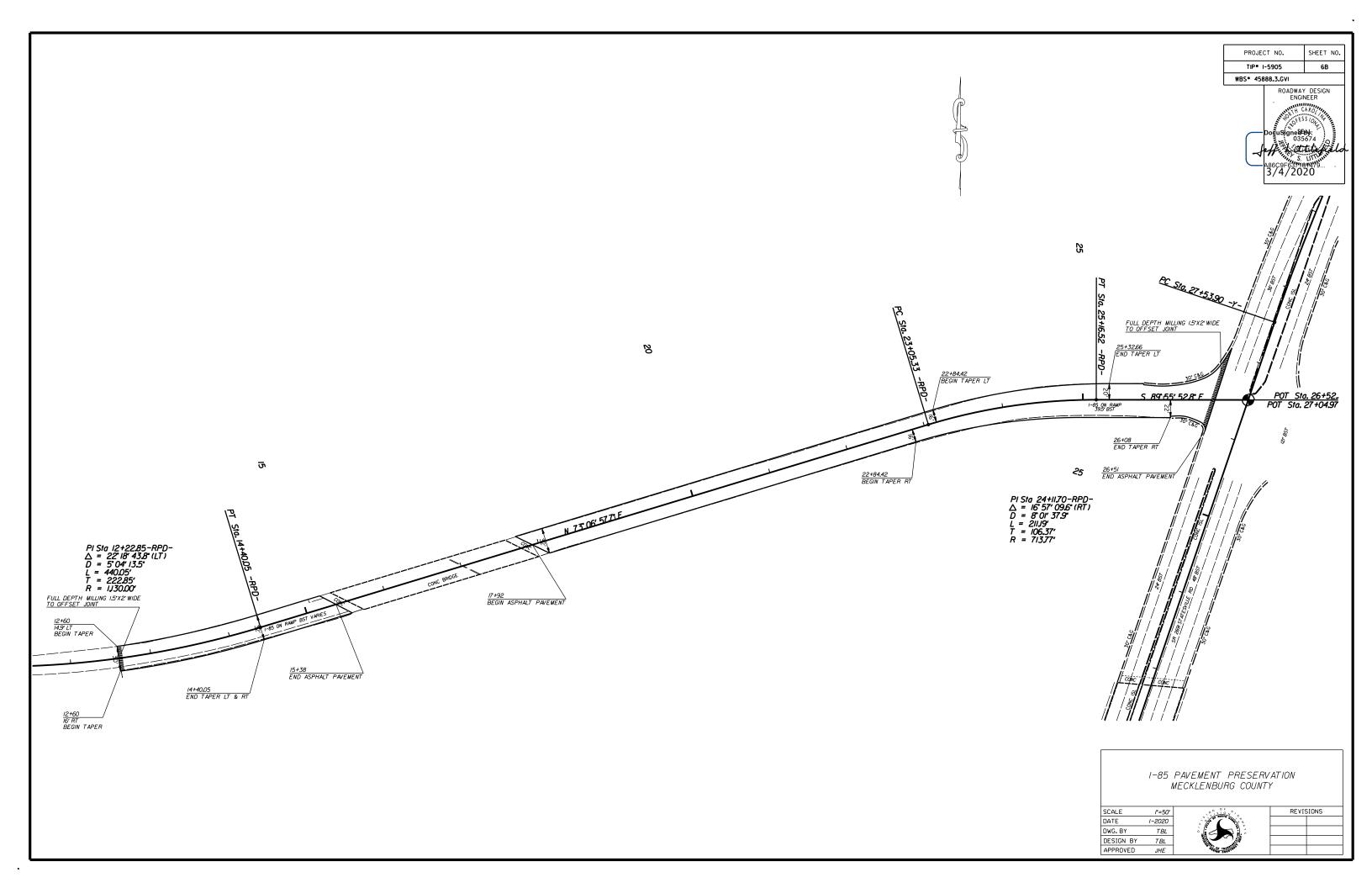
FROM BRIDGE DECK AT I-85 TO TIPTON DRIVE

[9	SCALE .	-WA-
	DATE	3/19
[DWG. BY	JHE
- [DESIGN BY	JHE
	APPROVED	

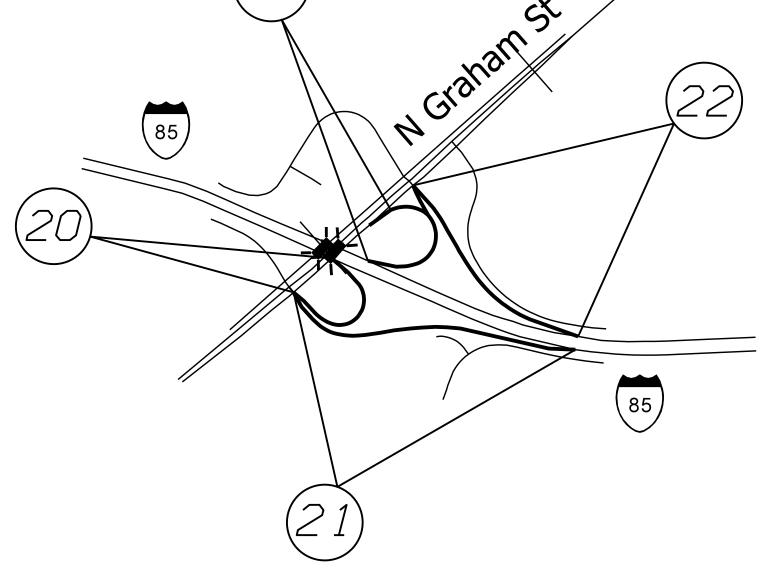












MAPS

#20 NB LOOP OFF RAMP

#21 NB ON RAMP

#22 SB OFF RAMP

#23 SB LOOP ON RAMP

DESCRIPTION

FROM PHYSICAL GORE TO TOP OF LOOP RAMP AT N. GRAHAM ST.

FROM TOP OF RAMP AT N. GRAHAM ST. TO PHYSICAL GORE

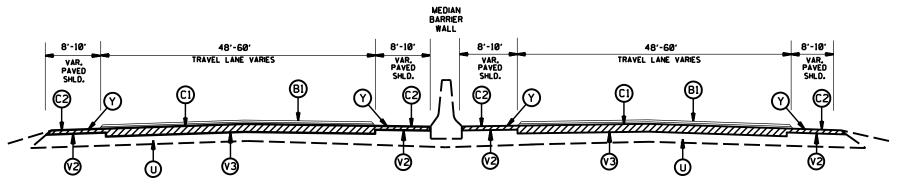
FROM PHYSICAL GORE TO TOP OF RAMP AT N. GRAHAM ST.

FROM TOP OF LOOP RAMP AT N. GRAHAM ST. TO PHYSICAL GORE I-5905 I-85 PAVEMENT PRESERVATION MECKLENBURG COUNTY

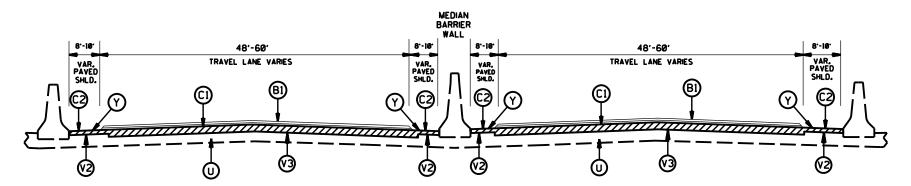


	PAVEMENT SCHEDULE
A1	PROP. 11" PORTLAND CEMENT CONCRETE PAVEMENT
B1	PROP. APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C1	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
СЗ	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, IN 2 SEPARATE 1.5" LIFTS AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE,B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. APPROX. 8.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, IN 2 SEPARATE 4" LIFTS AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
R1	PROP. 2'6" CONCRETE CURB AND GUTTER 11" THICK
Т	SHOULDER CONSTRUCTION
U	EXISTING PAVEMENT
V2	MILLING 1.5" DEPTH
V3	MILLING, 2.0" DEPTH
Υ	MILLED RUMBLE STRIPS
Z	EXISTING STABILIZED SUBGRADE

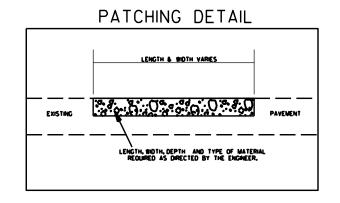
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5905	8	
WRS NO	45888.3.GVI		



TYPICAL SECTION NO.1 I-85 NORTH & SOUTH BOUND



TYPICAL SECTION NO.2 I-85 NORTH & SOUTH BOUND



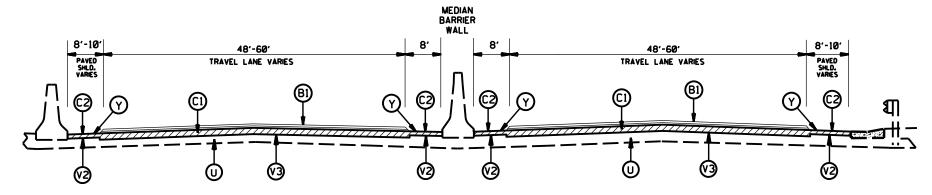


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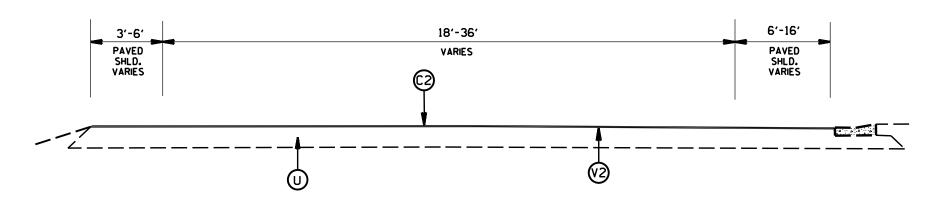


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Z	EXISTING STABILIZED SUBGRADE

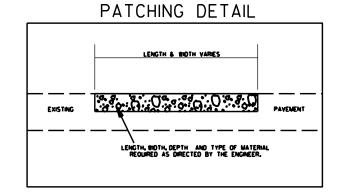
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5905	9	
WBS NO.	45888.3.GVI		



TYPICAL SECTION NO.3 I-85 NORTH & SOUTH BOUND



TYPICAL SECTION NO.4



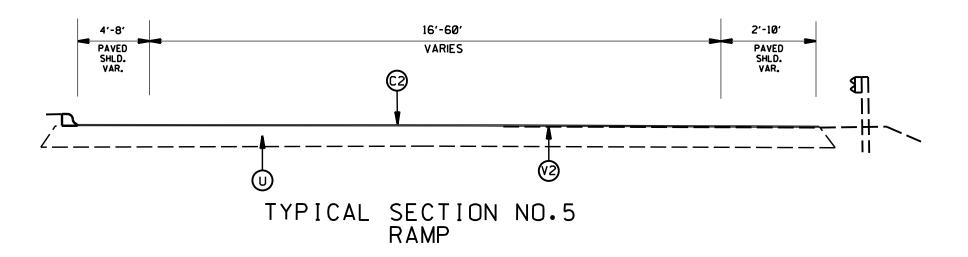


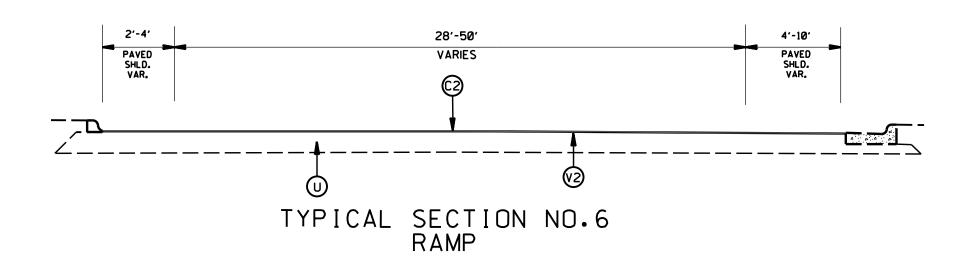
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WG. BY	JHE
ESIGN BY	JHE
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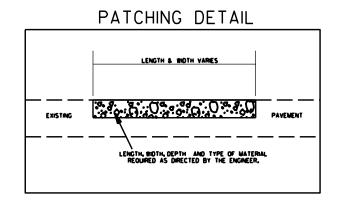


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U	EXISTING PAVEMENT
V2	MILLING 1.5" DEPTH
V3	MILLING, 2.0" DEPTH
Υ	MILLED RUMBLE STRIPS
Z	EXISTING STABILIZED SUBGRADE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	1-5905	10	
	45000 7 0111		







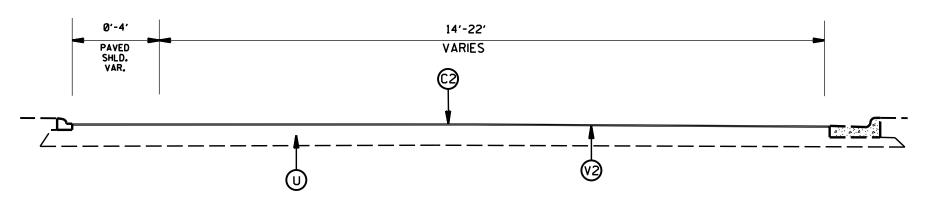


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ESIGN BY	JHE
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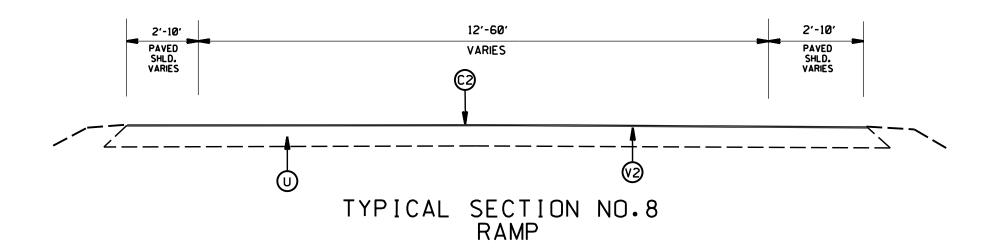


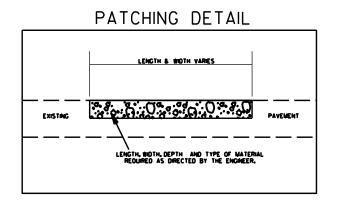
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Z	EXISTING STABILIZED SUBGRADE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5905	11	
WBS NO.	45888.3.GVI		



TYPICAL SECTION NO.7 LOOP RAMP





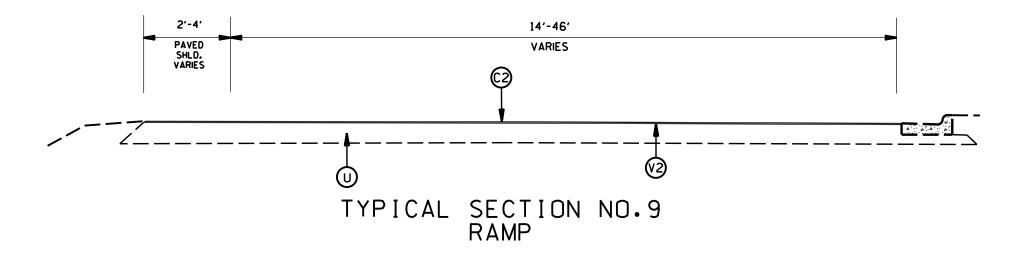
I-5905 I-85 PAVEMENT PRESERVATION MECKLENBURG COUNTY

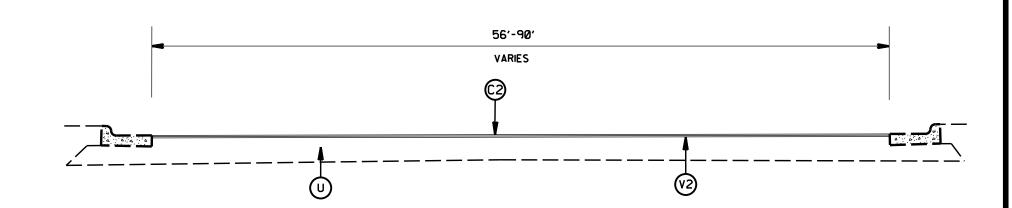




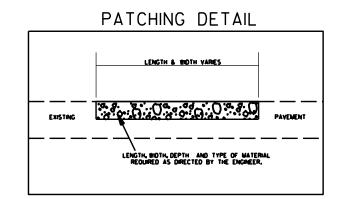
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Υ	MILLED RUMBLE STRIPS
Z	EXISTING STABILIZED SUBGRADE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5905	12	
WBS NO.	45888.3.GVI		





TYPICAL SECTION NO.10 RAMP/LOOP RAMP



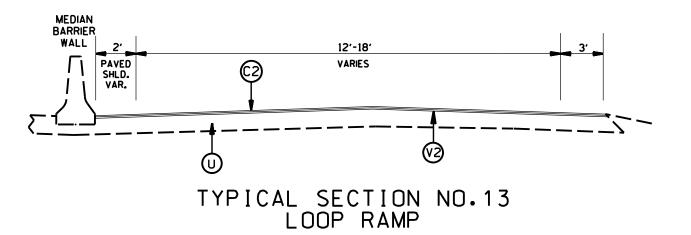
I-5905 I-85 PAVEMENT PRESERVATION MECKLENBURG COUNTY

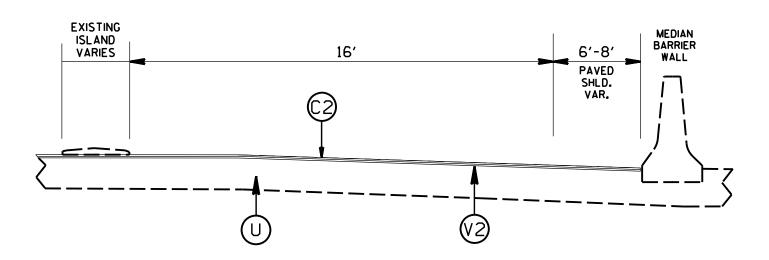




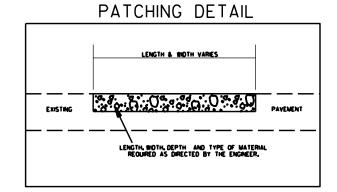
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E2	PROP. APPROX. 8.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, IN 2 SEPARATE 4" LIFTS AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
R1	PROP. 2'6" CONCRETE CURB AND GUTTER 11" THICK
Т	SHOULDER CONSTRUCTION
U	EXISTING PAVEMENT
V2	MILLING 1.5" DEPTH
V3	MILLING, 2.0" DEPTH
Υ	MILLED RUMBLE STRIPS
Z	EXISTING STABILIZED SUBGRADE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5905	13	
WDC NO	45000 7 CVI		





TYPICAL SECTION NO.14
RAMP



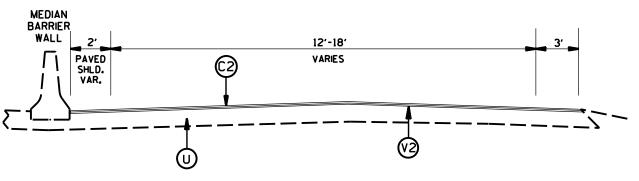


SCALE	-NA-	
DATE	3/19	
DWG. BY	JHE	
DESIGN BY	JHE	
APPROVED		

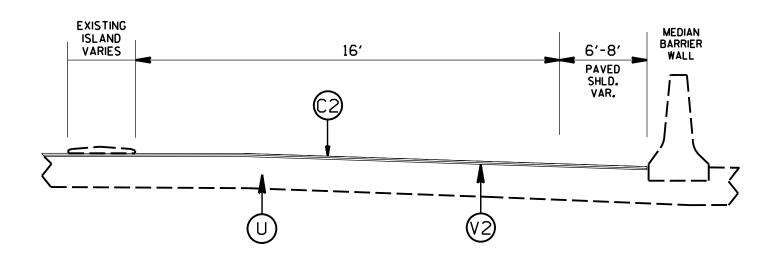


	PAVEMENT SCHEDULE
A1	PROP. 11" PORTLAND CEMENT CONCRETE PAVEMENT
В1	PROP. APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C1	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
СЗ	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, IN 2 SEPARATE 1.5" LIFTS AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE,B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. APPROX. 8.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, IN 2 SEPARATE 4" LIFTS AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
R1	PROP. 2'6" CONCRETE CURB AND GUTTER 11" THICK
Т	SHOULDER CONSTRUCTION
U	EXISTING PAVEMENT
V2	MILLING 1.5" DEPTH
V3	MILLING, 2.0" DEPTH
Υ	MILLED RUMBLE STRIPS
Z	EXISTING STABILIZED SUBGRADE

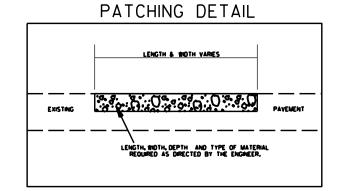
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5905	14	
#DC NO	45 000 7 CVI		



TYPICAL SECTION NO.13 LOOP RAMP

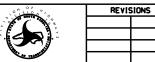


TYPICAL SECTION NO.14
RAMP



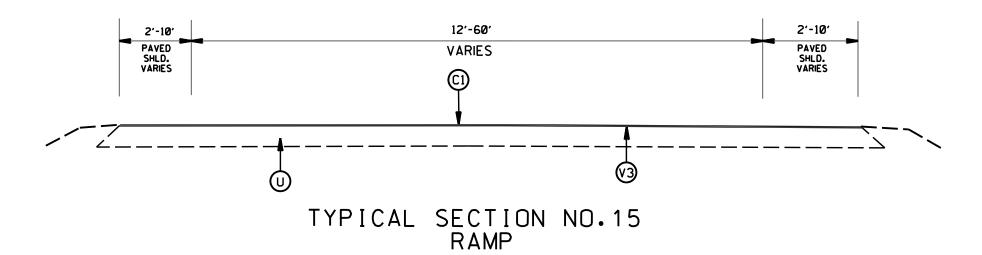


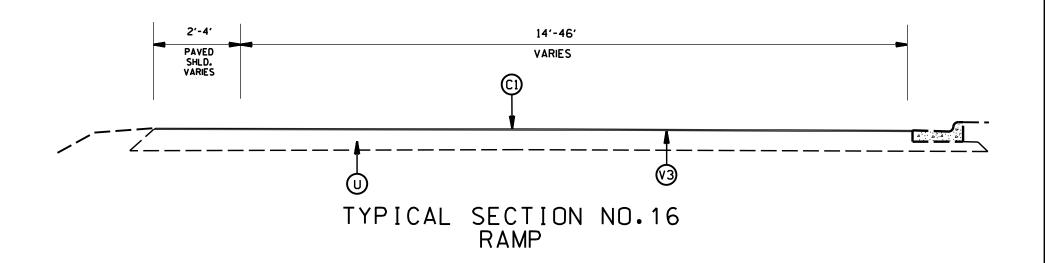
CALE	-NA-	
ATE	3/19	
WG. BY	JHE	
ESIGN BY	JHE	
PPROVED		

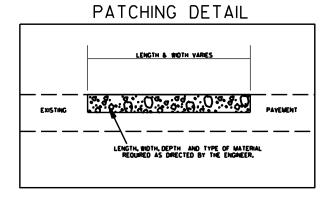


	PAVEMENT SCHEDULE
A1	PROP. 11" PORTLAND CEMENT CONCRETE PAVEMENT
В1	PROP. APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C1	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
СЗ	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, IN 2 SEPARATE 1.5" LIFTS AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE,B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. APPROX. 8.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, IN 2 SEPARATE 4" LIFTS AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
R1	PROP. 2'6" CONCRETE CURB AND GUTTER 11" THICK
Т	SHOULDER CONSTRUCTION
U	EXISTING PAVEMENT
V2	MILLING 1.5" DEPTH
V3	MILLING, 2.0" DEPTH
Y	MILLED RUMBLE STRIPS
Z	EXISTING STABILIZED SUBGRADE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-5905	15	
WBS NO.	45888.3.GVI		









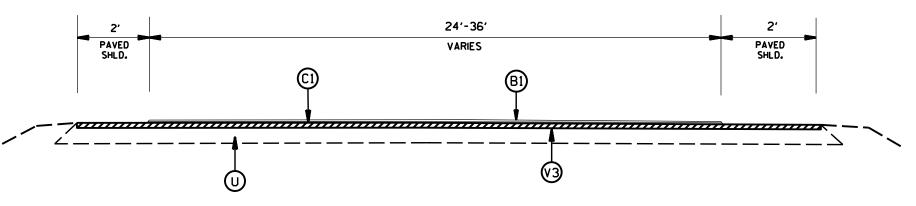
SCALE	-NA-	Γ
DATE	3/19	
DWG. BY	JHE	
DESIGN BY	JHE	
APPROVED		



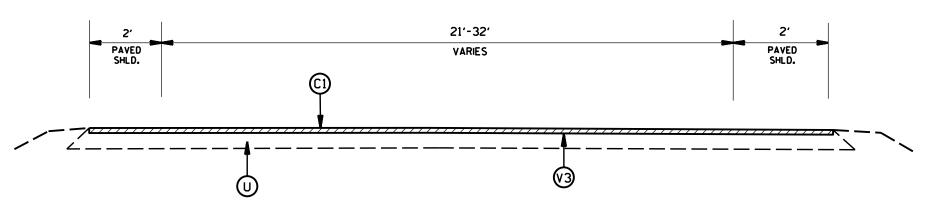


	PAVEMENT SCHEDULE
A1	PROP. 11" PORTLAND CEMENT CONCRETE PAVEMENT
В1	PROP. APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C1	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
СЗ	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, IN 2 SEPARATE 1.5" LIFTS AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE,B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. APPROX. 8.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, IN 2 SEPARATE 4" LIFTS AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
R1	PROP. 2'6" CONCRETE CURB AND GUTTER 11" THICK
Т	SHOULDER CONSTRUCTION
U	EXISTING PAVEMENT
V2	MILLING 1.5" DEPTH
V3	MILLING, 2.0" DEPTH
Y	MILLED RUMBLE STRIPS
Z	EXISTING STABILIZED SUBGRADE

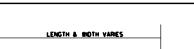
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	1-5905	16	
	45000 7 Cu		



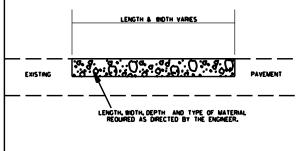
TYPICAL SECTION NO.17
RAMP FROM SB I-85 TO I-77



TYPICAL SECTION NO.18
RAMP FROM SB I-85 TO NB I-77



PATCHING DETAIL

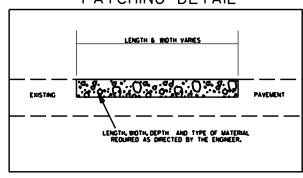


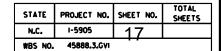
SCALE	-NA-	Г
DATE	3/19	
DWG. BY	JHE	
DESIGN BY	JHE	
APPROVED		ı

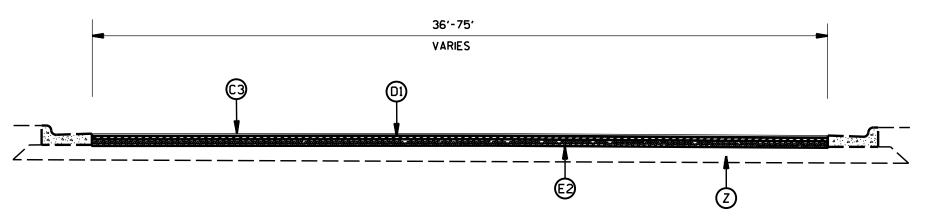


	PAVEMENT SCHEDULE
A1	PROP. 11" PORTLAND CEMENT CONCRETE PAVEMENT
B1	PROP. APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C1	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
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СЗ	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, IN 2 SEPARATE 1.5" LIFTS AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E1	PROP. APPROX. 4.0" ASPHALT CONCRETE BASE COURSE,B25.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
E2	PROP. APPROX. 8.0" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, IN 2 SEPARATE 4" LIFTS AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
R1	PROP. 2'6" CONCRETE CURB AND GUTTER 11" THICK
Т	SHOULDER CONSTRUCTION
U	EXISTING PAVEMENT
V2	MILLING 1.5" DEPTH
V3	MILLING, 2.0" DEPTH
Υ	MILLED RUMBLE STRIPS
Z	EXISTING STABILIZED SUBGRADE

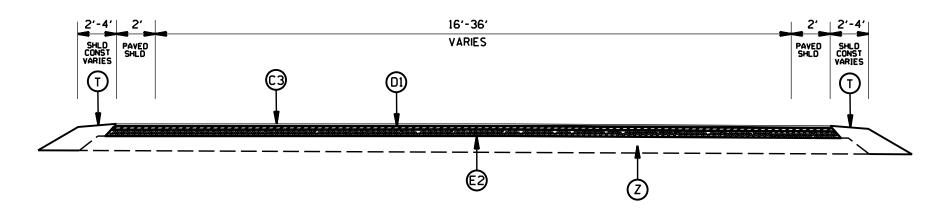
PATCHING DETAIL







TYPICAL SECTION NO.19 ON RAMP FROM STATESVILLE ROAD



TYPICAL SECTION NO.20 ON RAMP FROM STATESVILLE ROAD

SUMMARY OF	EARTHWORK	
DESCRIPTION	MAP #15	MAP #19
UNCLASSIFIED EXCAVATION	2146 CY	1282 CY
BORROW EXCAVATION	100 CY	100 CY
REMOVAL OF EXISTING ASPHALT PAVEMENT	8360 SY	5186 SY
SHOULDER CONSTRUCTION	0.72 SMI	0.45 SMI

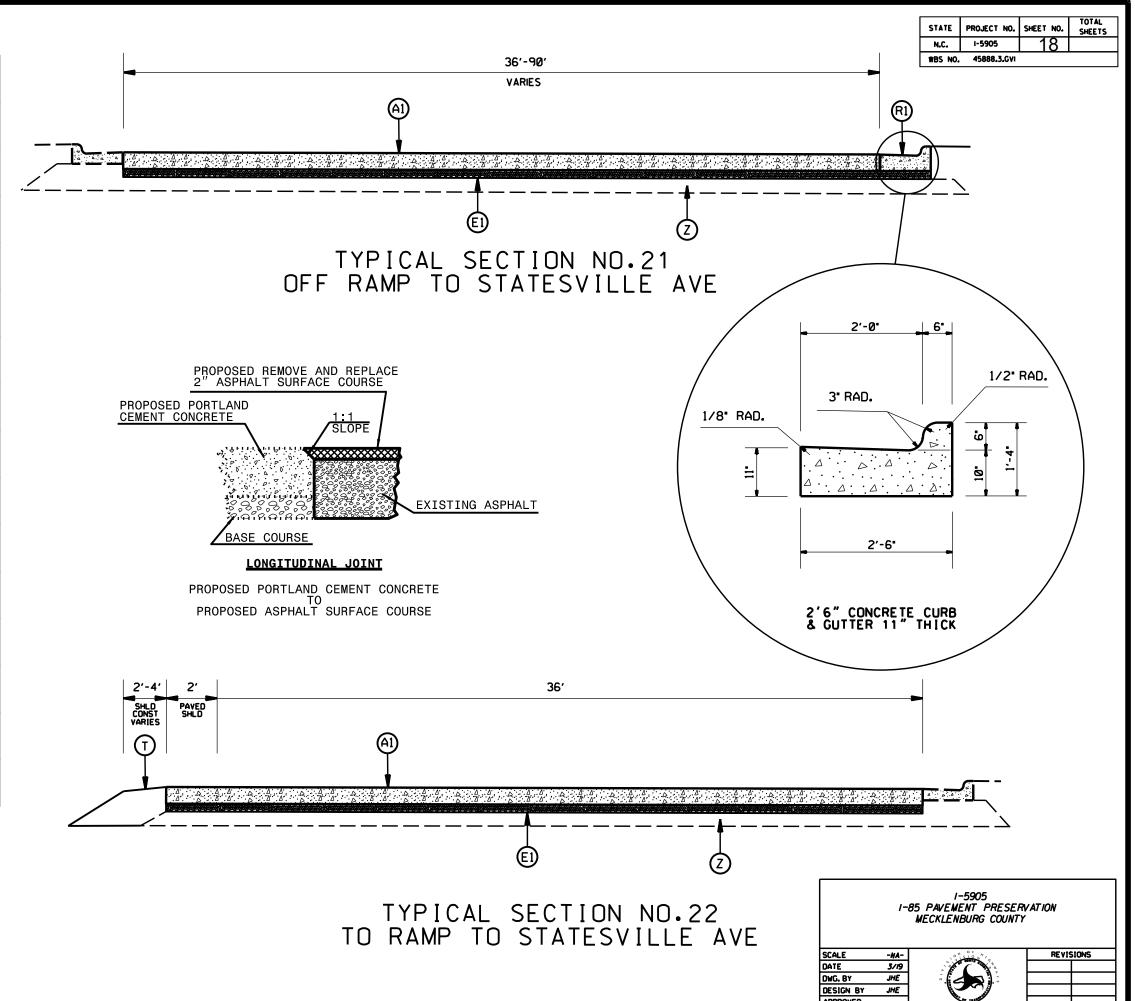
NOTE: QUANTITIES ARE APPROXIMATE, AND ARE ONLY TO BE USED FOR THE PURPOSE OF BIDDING THIS CONTRACT. PAYMENT FOR EARTH WORK QUANTITIES WILL BE COVERED UNDER COMPREHENSIVE GRADING AS A LUMP SUM PAY ITEM AS DETERMINED BY THE RESIDENT ENGINEER.

<i>1−5905</i>
I-85 PAVEMENT PRESERVATION MECKLENBURG COUNTY
#ECKEENBONG COONT

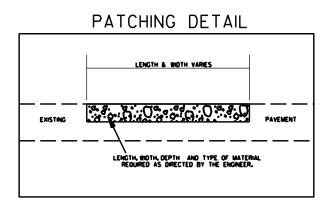
SCALE	-NA-	
DATE	3/19	
DWG. BY	JHE	
DESIGN BY	JHE	
APPROVED		

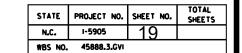


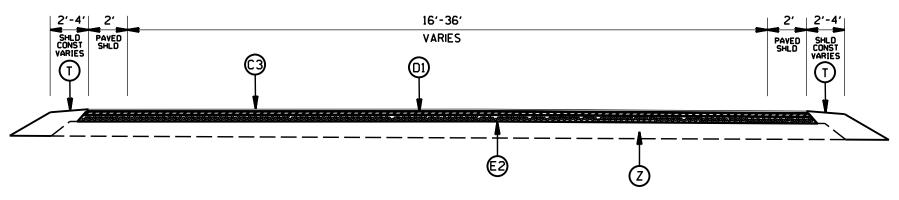
	PAVEMENT SCHEDULE
A1	PROP. 11" PORTLAND CEMENT CONCRETE PAVEMENT
B1	PROP. APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C1	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
СЗ	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, IN 2 SEPARATE 1.5" LIFTS AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
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R1	PROP. 2'6" CONCRETE CURB AND GUTTER 11" THICK
Т	SHOULDER CONSTRUCTION
U	EXISTING PAVEMENT
V2	MILLING 1.5" DEPTH
V3	MILLING, 2.0" DEPTH
Υ	MILLED RUMBLE STRIPS
Z	EXISTING STABILIZED SUBGRADE



	PAVEMENT SCHEDULE
A1	PROP. 11" PORTLAND CEMENT CONCRETE PAVEMENT
B1	PROP. APPROX. 5/8" ULTRA-THIN BONDED WEARING COURSE, AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C1	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
СЗ	PROP. APPROX. 3.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, IN 2 SEPARATE 1.5" LIFTS AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 4.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
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R1	PROP. 2'6" CONCRETE CURB AND GUTTER 11" THICK
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U	EXISTING PAVEMENT
V2	MILLING 1.5" DEPTH
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Υ	MILLED RUMBLE STRIPS
Z	EXISTING STABILIZED SUBGRADE



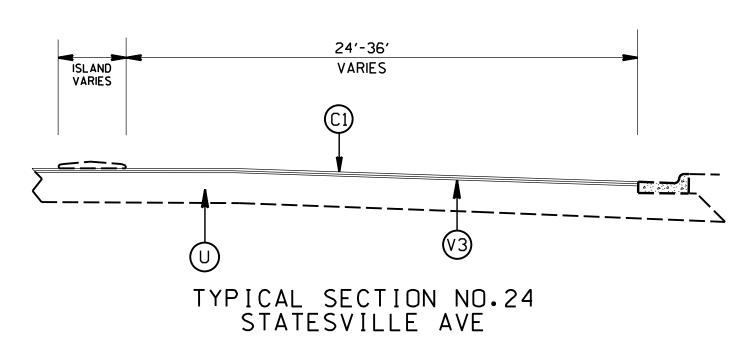




TYPICAL SECTION NO.23 OFF RAMP TO STATESVILLE AVE

SUMMARY OF	EARTHWORK	
DESCRIPTION	MAP #15	MAP #19
UNCLASSIFIED EXCAVATION	2146 CY	1282 CY
BORROW EXCAVATION	100 CY	100 CY
REMOVAL OF EXISTING ASPHALT PAVEMENT	8360 SY	5186 SY
SHOULDER CONSTRUCTION	0.72 SMI	0.45 SMI

NOTE: QUANTITIES ARE APPROXIMATE, AND ARE ONLY TO BE USED FOR THE PURPOSE OF BIDDING THIS CONTRACT. PAYMENT FOR EARTH WORK QUANTITIES WILL BE COVERED UNDER COMPREHENSIVE GRADING AS A LUMP SUM PAY ITEM AS DETERMINED BY THE RESIDENT ENGINEER.



SCALE	-NA-
DATE	3/19
DWG. BY	JHE
DESIGN BY	JHE
APPROVED	

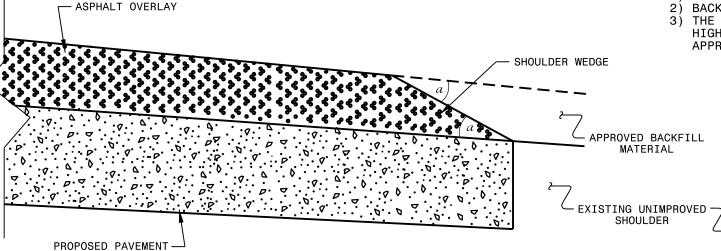




PROJECT REFERENCE NO.

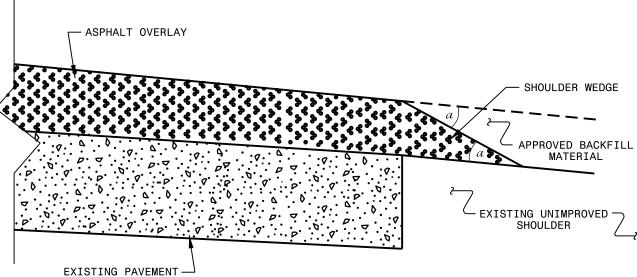
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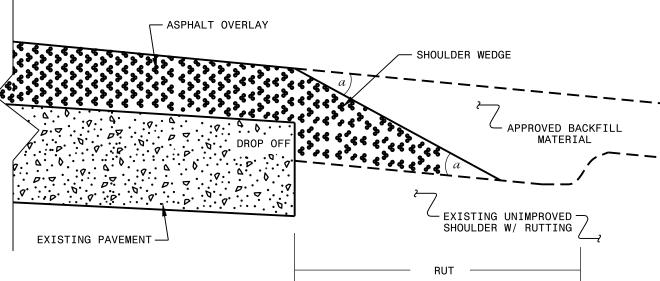
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



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 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	2/2/16
CHECKED BY:		DATE:	
FILE SPECs:u	sr/details/stand	/shoulderwedge	detail dgn

SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

PROJECT NO. SHEET NO. TOTAL NO. 1-5905 21

SUMMARY OF QUANTITIES

0	ROUTE	DESCRIPTION		LA LANE FINA N TYPE SURF		LENGT WII	H GRA	UNDER CUT EXCAVA	INC. STONE	1½" MILLING	2" MILLING	INC. MILLIN	B25.0C			ASPHALT BINDER I	POLYMER MODIFIED		ULTRA- THIN	MILLED RUMBLE	11" PORT CEM CONC PAVT,	4" F	IT EXI.	CURB	& CON	IC OF	OF		SINGLE	LANE		LOOP	ABLE	SILT	STONE SE FOR EC, ME	NT SAF			CONC WASH-	LOOP
PROJECT N	MAP NO			TEST NG REQU	ASPH ALT UI REQU D IRED		Diivo	TION	DASE								BINDER FOR PLANT MIX	PAVEIVIEN		std. dwg 665.01		WALK R	RAMP S	std. Cl	URB GUTT AMP (11 S THIC	ER HOL	E OR	E	CLOSU	RE I	DETOUR (TYPE A)	E	ING R	TENCE	TR	OL FEN	С		STRUC	
\perp				NCL	III.ED	MI FT	r LS	CY	TONS	SY	SY	SY	TONS	TONS	TON	TONS	TONS	TONS	TON	LF	SY			EA	EA LF	EA	EA	EA	EA	EA	EA	EA	LS	LF	TN T	N LF	SY	LF AC	EA	LF
	NB I-85	FROM CONCRETE PAVEMENT JOINT SOUTH OF NC 16 BROOKSHIRE BLVD TO CONCRETE PAVEMENT JOINT SOUTH OF THE US 29 BY PASS CONNECTOR ROAD	5 1,2,3	4 MD NO	NO	6.08 48	8		20	58,286	224,627	3,320		3.	3,382		2,353	50	8,649	63,159								75	18	25										
	SB I-85	FROM THE CONCRETE JOINT SOUTH OF THE US 29 BY PASS CONNECTOR ROAD TO THE CONCRETE PAVEMENT JOINT SOUTH OF NC 16																																						
	2 MAINLINE	BROOKSHIRE BLVD FROM PHYSICAL GORE TO TOP RAMP AT BROOKSHIRE	1,2,3	4 MD NO	NO	6.08 48	8		20	64,776	223,665	3,038		3:	3,835		2,376	50	8,611	63,000								75	18	25								_		
	3 NB OFF RAMP		4	1 NO	NO	0.17 24	4		10	4,693		120			445		25	10													6									910
	4 NB ON RAMP		4	1 NO	NO	0.15 35	5		10	3,653		131			350		20	10							_						4									
	5 SB OFF RAMP	TOP OF RAMP AT BROOKSHIRE BLVD	4	1 NO	NO	0.12 36	6		10	3,295		54			310		18	10													6									910
	6 SB ON RAMP		4	1 NO	NO	0.15 33	3		10	3,834		104			364		21	10													6									
	7 NB OFF RAMP	FROM PHYSICAL GORE TO TOP OF RAMP AT BEATTIES FORD ROAD	q	1 NO	NO	0.15 22	,		10	1,874		396			210		12	10													6									1,070
	SB LOOP OFF	FROM PHYSICAL GORE TO	,	1 NO	110	0.13			10	1,074		330			210		12	10													U									1,070
	8 RAMP	BEATTIES FORD RD FROM TOP OF RAMP AT BEATTIES FORD RD TO	7,9	1 NO	NO	0.11 20	0		10	1,764		424			203		12	10													4							_		1,070
	9 SB ON RAMP	PHYSICAL GORE	8	1 NO	NO	0.21 20	0		10	2,896		91			553		32	10						_	_						4							\perp	\vdash	
GV1 ourg	10 NB I-77	FROM END OF BARRIER WALL APPROXIMATELY 3240 FEET TO PHYSICAL GORE	17	1 NO	NO	0.61 24	4		10		14,495	71		1	1,794		117	10	291										10											
45888.3. Mecklen	LOOP ON RAMP TO SB I- 11 77	FROM PHYSICAL GORE AT SPLIT TO PHYSICAL GORE	15	1 NO	NO	0.14 40	*		10		3,553				438		25	10											6				*							
	LOOP ON RAMP TO SB I-	PHYSICAL GORE	16	1 NO	NO	0.13 27	7		10		1,762				217		12	10													4									
	ON RAMP TO 13 SB I-85	FROM PHYSICAL GORE TO PHYSICAL GORE FROM PAVEMENT JOINT TO	15			0.44 31	1		10		8,054				993		57	10											6											
	ON RAMP TO	APPROXIMATELY 730 FEET DOWN RAMP		1 NO	NO	0.14 31	1		10		2,922				360		21	10											4											
	15 NB OFF RAMP	FROM PHYSICAL GORE TO TOP RAMP AT STATESVILLE AVE	21,22,	1 NO	NO	0.30 30	0	333	380			28	3.260	1,310	966	210	55	10			2,836	63		1	1 14	3					4	4		500	30 1	5 50	1.600	150 0.3	1	
		FROM TOP OF RAMP AT STATESVILLE AVE TO																			,										4									
		FROM TOP OF LOOP RAMP AT STATESVILLE RD TO END	8,11			0.21 25			10	3,523		77			333		19	10																						
	17 RAMP 18 SB OFF RAMP	OF BARRIER WALL FROM PHYSICAL GORE TO TOP OF RAMP AT	4,12			0.27 20			10	3,889		143 249			386		18	10													6							_		765
		FROM TOP OF RAMP AT STATESVILLE RD TO PHYSICAL	-							3,177																						_								703
	19 SB ON RAMP	GORE FROM PHYSICAL GORE TO TOP OF LOOP RAMP AT N.	19, 20	1 NO	NO	0.27 34	4	200	238			12	2,306	1,153	850	159	48	10													4	4		500	20 1	0	1,100	150 0.2		
	20 RAMP	GRAHAM ST FROM TOP OF RAMP AT N.	9	1 NO	NO	0.13 29	9		10	2,590		175			255		15	10													4							_		1,150
	21 NB ON RAMP	GRAHAM ST TO PHYSICAL GORE FROM PHYSICAL GORE TO	8,14	1 NO	NO	0.24 27	7		10	3,584		102			341		19	10													4								\sqcup	
	22 SB OFF RAMP	TOP OF RAMP AT N. GRAHAM ST FROM TOP OF LOOP RAMP	4,14	1 NO	NO	0.19 37	7		10	4,142		153			397		23	10													6									1,540
	SB LOOP ON RAMP		9,12	1 NO	NO	0.12 21	1		10	2,001					185		11	10													4									
		FLYOVER BRIDGE OVER I-85		2 NO	NO	0.07 34	4																						6											
	25 AVE	FROM BRIDGE DECK AT I-85 TO TIPTON DRIVE		2 MD NO	NO				<u> </u>		3,666				452		26	100					1			2	1		6								<u> </u>			2,300
	GRAND TOTAL	FOR PROJ NO. I-5905				16.82	1	533	848	167,977	482,744	8,688	5,566	2,463 7	7,935	369	5,357	410	17,551	126,159	2,836	63	1	1	1 143	3 2	1	150	74	50	80	8	1	1,000	50 2	5 50	2,700	300 0.5	1	9,715

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO. SHEET NO. TOTAL NO. I-5905

	POLITE	DESCRIPTION	TVD	A LANE	LENGT				4434000 SEQUE				468800 THERMO			4700000			MEDCE		25000000- THERMO		THED		4770000	COLD		478000	_
	ROUTE	DESCRIPTION																									COLD		COLD
			NO N	N TYPE	Н	TH	NARY	K		ENFOR		O LINES		O LINES	0	O LINES			ARROW		MERGE	MO	MO	MO	APPL	APPL	APPL	APPL	
: 9			E	.5					FLASHI	CEIVIEN		YELLOW		YELLOW							ARROW			II .		PLAS.	PLAS.	PLAS.	
او ا							ZONE	PRES	NG	'	WHITE		(6", 90			(12", 90					(90 MILS)	RT		SYMB		LINES,	LINES,	LINES,	
MAP NO							SIGN		WARNI		(4", 90	MILS)	MILS)	MILS)	1 -	MILS)	R (90	W		W			ARRO		WHITE	WHITE		WHITE	
								LIGHT	NG		MILS)				MILS)		MILS)	90 W		90 M			W 90	1 .	TYPE II	TYPE II	TYPE II	TYPE II	
								ING	LIGHTS													M	M	MILS)	(4")	(6")	(6")	(8")	(12")
		FROM CONCRETE PAVEMENT JOINT SOUTH			MI	FT	SF	EA	EA	HR	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF
		OF NC 16 BROOKSHIRE BLVD TO CONCRETE																											
		PAVEMENT JOINT SOUTH OF THE US 29 BY																											
1	NB I-85 MAINLINE	PASS CONNECTOR ROAD	123/	4 MD	6.08	18	554			944			56,107	32,061		6,511	16	11	32										
-	IND I OS IVIAINEINE	FROM THE CONCRETE JOINT SOUTH OF THE		T IVID	0.00	70	334	1		344			30,107	32,001		0,311	10	11	32										+
		US 29 BY PASS CONNECTOR ROAD TO THE																											
		CONCRETE PAVEMENT JOINT SOUTH OF NC																											
2	SB I-85 MAINLINE	16 BROOKSHIRE BLVD	1,2,3	4 MD	6.08	48	514			944			56,107	32,061		8,110	52	26	24										
		FROM PHYSICAL GORE TO TOP RAMP AT	, ,-					†					, -	, , , , ,		-, -													+
3	NB OFF RAMP	BROOKSHIRE BLVD	4 1	1	0.17	24	16			48			1,309	1,010		205				6									
		FROM TOP OF RAMP AT BROOKSHIRE BLVD						1																					
4	NB ON RAMP	TO PHYSICAL GORE	4 1	1	0.15	35	88			32			952	836		205					4								
		FROM PHYSICAL GORE TO TOP OF RAMP AT						1																					
5	SB OFF RAMP	BROOKSHIRE BLVD	4 1	1	0.12	36	16			48		<u></u>	898	679	236	193				6					<u> </u>		<u> </u>	<u></u>	
		FROM TOP OF RAMP AT BROOKSHIRE BLVD																											
6	SB ON RAMP	TO PHYSICAL GORE	4 1	1	0.15	33	88			48			1,004	847		176					5								
		FROM PHYSICAL GORE TO TOP OF RAMP AT																											
7	NB OFF RAMP	BEATTIES FORD ROAD	9 1	1	0.15	22	52			48			110	504	235					3		3							
		FROM PHYSICAL GORE TO TOP OF LOOP																											
8	SB LOOP OFF RAMP	RAMP AT BEATTIES FORD RD	7,9 1	1	0.11	20	8	<u> </u>		32			150	606	220			3					3						
		FROM TOP OF RAMP AT BEATTIES FORD RD																											
9	SB ON RAMP	TO PHYSICAL GORE	8 1	1	0.21	20	44	<u> </u>		32			918	1,124	214														
		APPROXIMATELY 3240 FEET TO PHYSICAL																											
10	ON RAMP TO NB I-77	GORE	17 1	1	0.61	24	8	1		80			4,200	3,228		775			3										
		FROM PHYSICAL GORE AT SPLIT TO																											
11	LOOP ON RAMP TO SB I-77	PHYSICAL GORE	15 1	1	0.14	40	8	1		48			889	714		82													
12	LOOP ON RAMP TO SB I-85	FROM PHYSICAL GORE TO PHYSICAL GORE	16 1	_		27	44	1		32			133	685															
13	ON RAMP TO SB I-85	FROM PHYSICAL GORE TO PHYSICAL GORE	15 1	1	0.44	31	44	1		48			2,808	2,295					4										
		FROM PAVEMENT JOINT TO	l l .				_																						
14	ON RAMP TO SB I-77	APPROXIMATELY 730 FEET DOWN RAMP	15 1	1	0.14	31	8	1		32			913	776															
45	ND OFF DAMAR	FROM PHYSICAL GORE TO TOP RAMP AT	4 22 2		0.20	20	40			64			4.607	4 670		470									45	007	022	405	126
15	NB OFF RAMP	STATESVILLE AVE FROM TOP OF RAMP AT STATESVILLE AVE	1,22,2	L	0.30	30	40	1		64			1,687	1,670		470									45	987	822	105	136
16	NB ON RAMP	TO PHYSICAL GORE	8,11	1	0.21	25	11			32			1,040	1 000	130														
16	IND OIN RAIVIP	FROM TOP OF LOOP RAMP AT STATESVILLE	0,11	1	0.21	25	44	1		32			1,040	1,080	130														+
17	SB LOOP ON RAMP	RD TO END OF BARRIER WALL	12,13	1	0.27	20	44			32			865	1,530	188														
	02 2001 01118 0011	FROM PHYSICAL GORE TO TOP OF RAMP AT	,					1																					
18	SB OFF RAMP	STATESVILLE RD	4,12	1	0.17	32	8			48			908	969	102					3		3							
		FROM TOP OF RAMP AT STATESVILLE RD TO						1																					1
19	SB ON RAMP	PHYSICAL GORE	19,20	1	0.27	34	44			48			1,451	1,201							3					352	281		
		FROM PHYSICAL GORE TO TOP OF LOOP						†					,	,															
20	NB LOOP OFF RAMP	RAMP AT N. GRAHAM ST	9 1	1	0.13	29	8			32			270	804	210					6		3							
		FROM TOP OF RAMP AT N. GRAHAM ST TO						Ī																					
21	NB ON RAMP	PHYSICAL GORE	8,14	1	0.24	27	44	<u> </u>		32			1,100	1,300	210														
		FROM PHYSICAL GORE TO TOP OF RAMP AT																											
22	SB OFF RAMP	N. GRAHAM ST	4,14	1	0.19	37	8			48			1,165	968	304					6		3							
		FROM TOP OF LOOP RAMP AT N. GRAHAM																											
23	SB LOOP ON RAMP	ST TO PHYSICAL GORE	9,12	1	0.12		44	1		32			660			165								10					1
24	US 29 BY PASS CONNECTOR	FLYOVER BRIDGE OVER I-85	1 2	2	0.07	34	91	<u> </u>																		840			
		FROM BRIDGE DECK AT I-85 TO TIPTON																							1				
25	STATESVILLE AVE	DRIVE	24 2	2 MD	0.19	26.8	48	14	36	48	660	925								5		3			<u> </u>			1	<u> </u>
					_			1	1	T _	T .	T .	T	Π	Т _					, , , , , , , , , , , , , , , , , , ,		1	1	1	1	I -	Ι -	T	_
	GRAND TO	TAL FOR I-5905			16.82		1,915	14	36	2,832	660	925	135,644		2,049	16,892	68	40	63	35	12	15	3	10	45	2,179		105	136
	J		1 1	1	i	1		1	İ	1	1 1	585	222,	502	1	1	i l	i			178				İ	1 2 '	282	1	1

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO. SHEET NO. TOTAL NO. I-5905 23

Part Part	ιП	L	IVIOPLASIIC	AND PAINT QU	A 1	4 I		LJ		48655		TYPE II			1.5.5		4		400.00	4.000.00					40		<i></i>			•		
Part			DOUTE	DECORIDATION	T) (C		1 6 5 1 -	LENG	1400	479500				6015									DA 1417	DAIRT			D4151-					
Part Part			ROUTE	DESCRIPTION															_													
Column C					NO	N	IYPE	н	IH								PAINI							I								
Part Part	ĬŽI≽	9				E2												PAINI	PAINI	PAINI	PAINI	ONLY										
Part Part		٩														PAIN							vv		VV			OL	VAL			
Part Part	2 8	Σ										1				'								W		W	w					
MACRO-CONCASTA PROBLEM BASIS CONCESSOR - SERVING A CONCESSOR - SER	<u>=</u>														-															IVI	ILS)	
Final Processing Control (Control Control Co									<u> </u>	-					+																	
## PROPRIES OF THE PROPRIES OF				EPOM CONCRETE DAVEMENT IOINT SOLITH	-			MI	FT	LF	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	LF	LF	LF	EA
1																																
The control of the																																
PROOF NOT THE CONTROL FLOWN SQUARE AND AND THE CONTROL FOR THE CONTROL FLOWN SQUARE AND AND THE CONTROL FLOWN SQUARE AND AND THE CONTROL FLOWN SQUARE AND AND THE CONTROL FLOWN SQUARE AND AND THE CONTROL FLOWN SQUARE AND AND THE CONTROL FLOWN SQUARE AND THE CONTROL FLOWN SQUA		1	NR I-85 MAINLINE		123	2 1	MD	6.08	12								87 360	6/1122		13 022		32	22	64								1 720
2 M 150 MARCHINE CONCRET PERMANDER CONCRET PERMA		_	NB 1 03 WINNIVERVE			, -	IVID	0.00	70								07,300	04,122		13,022		32		04								1,720
2 SALES MARININE SARE MARININE SALES MARININE S				US 29 BY PASS CONNECTOR ROAD TO THE																												
3 M OFF RAMP 8 NO FEMALE 9 SECRETARY PROCESSES FOR CORP. 1 NO OFF RAMP 1 NO O				CONCRETE PAVEMENT JOINT SOUTH OF NC																												
3 M OFF RAMP 8 NO FEMALE 9 SECRETARY PROCESSES FOR CORP. 1 NO OFF RAMP 1 NO O		2	SB I-85 MAINLINE	16 BROOKSHIRE BLVD	1,2,3	3 4	MD	6.08	48								86,544	64,122		16,220		104	52	48								1,770
4 NB ON ROADS FROM PROCESSOR CORE TO POPULATION TO POPULAT				FROM PHYSICAL GORE TO TOP RAMP AT																												
## NOT ON SAME OF SAME		3	NB OFF RAMP	BROOKSHIRE BLVD	4	1		0.17	24								1,309	1,010		205	30				6					15	30	20
5 SECUTE FRAME PRODUCTION OF PRAME AT MINISTRAL CARRY TO THE OF THE OF T																																
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		4	NB ON RAMP		4	1		0.15	35								952	836		205				4								20
8 SI ON MAMP TO PRINCIPLE CORP (C. P. C. P																																
8 SOND RAMP TO PRISON, CORE 4 I 0.15 33		5	SB OFF RAMP			1		0.12	36								898	679	236	193	30				6					20 3	30	18
TO NO OFF SAMP NO																																
No. Section		6	SB ON RAMP		4	1		0.15	33								1,004	847		176				5								16
# SELOPO OFF SAMP # SELOPO # SELOPO OFF SAMP # SELOPO # SELOPO #		l _																														
B SELOPE FRAME B SELOPE FRAME B SELOPE FRAME FROM PISSCAL GORE FRO		7	NB OFF RAMP		9	1		0.15	22								110	504	235		40				3	3				- 4	40	12
SAGIN RAMP SAGIN RAMP TO MINISCAL CORE APPROXIMATELY 3020 RETURN PROXIMATE APPROXIMATELY 3020 RETURN PROXIMATE APPROXIMATE AND APPROXI			CD LOOP OFF DAMP		7.0	1		0.11	20								150	COC	220		40		2				_				40	10
9 SS ON RAMP TO NEW SCALLORE 8 1 0.21 70 0 SAMP TO NEW SCALLORE 1 17 1 0.01 24		8	SB LOOP OFF RAMP		7,9	1		0.11	20								150	606	220		40		3			-	3				40	10
De 10 ON RAMP TO NB 1-77 GORE 1-77 GORE 1-77 GORE 1-75 ON RAMP TO SB 1-77 FORM PHYSICAL GORE 15 1 0.14 40		٥	SD ON DAMD		۰	1		0.21	20								010	1 12/	21/													
\$ 10 ON RAMP TO 18 1-77		3	36 ON RAIVIF		0			0.21	20								310	1,124	214													
FOAM PINISCAL GORG 15 1 1 1 1 1 1 1 1		10	ON BAMP TO NR 1-77		17	1		0.61	24								6 5 9 7	5 0/10		1 440				6								80
2 2 12 LOOP ON RAMPT OS RI-ST FROM PHYSICAL GORE 10 PHYSI	3V1	10	ON NAME TO NO 1-77		1/	1		0.01	24								0,367	3,043		1,440				-								- 80
2 2 12 LOOP ON RAMPT OS RI-ST FROM PHYSICAL GORE 10 PHYSI	3.3.0 enk	11	LOOP ON RAMP TO SB I-77		15	1		0.14	40								889	714		82												50
14 ON RAMP TO SEL-77 APPROXIMATELY 720 FEET DOWN RAMP TO SEL-77 ITS MS OF FRAMP FROM TOP OF MARKET STATESULE AVE. 15 NB OF FRAMP FROM TOP OF MARKET STATESULE AVE. 16 NB ON RAMP TO BOTH STATESULE AVE. 17 SB LOOP ON RAMP ROM TOP OF MARKET STATESULE AVE. 18 SB OFF FRAMP FROM TOP OF FRAMP AT STATESULE AVE. 19 SB ON RAMP ROM TOP OF MARKET STATESULE AVE. 10 NB LOOP OF RAMP AT STATESULE BD. 11 SB LOOP ON RAMP FROM TOP OF MARKET STATESULE BD. 12 SB LOOP ON RAMP FROM TOP OF RAMP AT STATESULE BD. 13 SB OFF FRAMP FROM TOP OF RAMP AT STATESULE BD. 14 L. 19 SB ON RAMP FROM TOP OF RAMP AT STATESULE BD. 10 NB LOOP OF FRAMP FROM TOP OF RAMP AT STATESULE BD. 10 NB LOOP OF FRAMP FROM TOP OF RAMP AT STATESULE BD. 11 D. 27 S4 12 SB LOOP ON RAMP FROM TOP OF RAMP AT STATESULE BD. 12 SB SO FRAMP FROM TOP OF RAMP AT STATESULE BD. 14 L. 19 SB ON RAMP FROM TOP OF RAMP AT STATESULE BD. 10 NB LOOP OF FRAMP FROM TOP OF RAMP AT STATESULE BD. 10 D. 27 S4 11 D. 27 S4 12 D. 30 SB DATE STATESULE BD. 21 NB ON RAMP FROM TOP OF RAMP AT STATESULE BD. 22 SB OFF FRAMP FROM TOP OF RAMP AT STATESULE BD. 23 SB OFF RAMP FROM TOP OF RAMP AT STATESULE BD. 24 U. 3 SB LOOP ON RAMP FROM TOP OF RAMP AT STATESULE BD. 25 STATESVILLE AVE. 16 SB OFF RAMP FROM TOP OF RAMP AT STATESVILLE BD. 26 SB OFF RAMP FROM TOP OF RAMP AT STATESVILLE BD. 27 SB LOOP ON RAMP FROM TOP OF RAMP AT STATESVILLE BD. 28 SB OFF RAMP FROM TOP OF RAMP AT STATESVILLE BD. 29 SB OFF RAMP FROM TOP OF RAMP AT STATESVILLE BD. 20 NB LOOP OFF RAMP FROM TOP OF RAMP AT STATESVILLE BD. 21 SB SO OFF RAMP FROM TOP OF RAMP AT STATESVILLE BD. 22 SB OFF RAMP FROM TOP OF RAMP AT STATESVILLE BD. 23 SB SO OFF RAMP FROM TOP OF RAMP AT STATESVILLE BD. 24 U. 25 STATESVILLE AVE. BROWN TOP OFF RAMP AT STATESVILLE BD. 25 STATESVILLE AVE. BROWN TOP OFF RAMP AT STATESVILLE BD. BROWN TOP OFF RAM	88 공				_	_																										
FROM PAKEMENT JOINT TO 15 NB OFF RAMP STATESWILE AVE 16 NB ON RAMP TO SB 1-77 APPROXIMATELY 30 FEET DOWN RAMP AT 15 NB OFF RAMP STATESWILE AVE 16 NB ON RAMP TO PHYSICAL GORE TO TO TO PHYSICAL GORE TO TO TO PHYSICAL GORE TO TO TO PHYSICAL GORE TO TO TO PHYSICAL GORE TO TO TO PHYSICAL GORE TO TO TO TO PHYSICAL GORE TO TO TO PHYSICAL GORE TO TO TO TO PHYSICAL GORE TO TO TO PHYSICAL GORE TO TO TO TO PHYSICAL GORE TO TO TO TO PHYSICAL GORE TO TO TO TO PHYSICAL GORE TO TO TO TO PHYSICAL GORE TO TO TO TO PHYSICAL GORE TO TO TO TO PHYSICAL GORE TO TO TO TO PHYSICAL GORE TO TO TO TO PHYSICAL GORE TO TO TO TO TO PHYSICAL GORE TO TO TO TO TO TO TO TO TO TO TO TO TO T	₹ ¥				_	_																		8								20
SECOND S																	,	,														
15 NB OFF RAMP STATESVILLE AVE 1,22,2 1 0,30 30 30 2 2 2 5 45 2,674 2,492 105 606 30 2 2 2 2 5 635 64		14	ON RAMP TO SB I-77	APPROXIMATELY 730 FEET DOWN RAMP	15	1		0.14	31								913	730														
FROM TOP OF RAMP AT STATESVILLE AVE 1				FROM PHYSICAL GORE TO TOP RAMP AT																												
16		15	NB OFF RAMP	STATESVILLE AVE	1,22,	2 1		0.30	30	30	2	2	2	5	45		2,674	2,492	105	606	30		2		2		2	5	635			64
FROM TOP OF LOOP RAMP AT STATESVILLE 12,13 1 0.27 20 865 1,530 188 0 0 0 0 0 0 0 0 0																																
17 SB LOOP ON RAMP RO TO END OF BARRIER WALL 12,13 1 0.27 20 865 1,530 188 0 0 0 0 0 0 0 0		16	NB ON RAMP		8,11	. 1		0.21	25								1,040	1,080	130													
SB OFF RAMP FROM PHYSICAL GORE TO TOP OF RAMP AT																																
18 SB OFF RAMP STATESVILLE RD TO 4,12 1 0.17 32		17	SB LOOP ON RAMP		12,1	3 1		0.27	20								865	1,530	188													
SB ON RAMP		10	SD OFF DAMP		4 1 2	, ,		0 17	22								000	060	142						2	,						1.1
19 SB ON RAMP PHYSICAL GORE TO TOP OF LOOP 19,20 1 0,27 34 1 0,13 29 270 804 210 42 6 3 42 20 20 20 20 20 20		10	3B OFF RAIVIP		_	. 1		0.17	32								906	909	142						3	3						
FROM PHYSICAL GORE TO TOP OF LOOP RAMP AT N. GRAHAM ST TO 21 NB ON RAMP PHYSICAL GORE 8,14 1 0.24 27 1,100 1,300 210 21 22 SB OFF RAMP ROM PHYSICAL GORE 8,14 1 0.19 37 37 37 37 38 30 2 2 2 5 705 925 200,048 154,327 2,441 32,314 352 136 79 138 37 15 5 15 1,268 35 322 3,862		10	SR ON PAMP			n 1		0.27	2/1								1 /151	1 201						2					633			12
20 NB LOOP OFF RAMP RAMP AT N. GRAHAM ST 9 1 0.13 29 270 804 210 42 6 3 42 20 6 3 42 20 6 3 42 20 6 3 42 20 6 3 42 20 6 3 42 20 6 3 42 20 6 3 42 20 42 43 44 44 45 45 45 45 45		13	3D ON NAIVIF		13,2	0 1		0.27	34								1,431	1,201											033			
21 NB ON RAMP FROM TOP OF RAMP AT N. GRAHAM ST TO PHYSICAL GORE 8,14 1 0.24 27		20	NB LOOP OFF RAMP		9	1		0.13	29								270	804	210		42				6	3					42	20
22 SB OFF RAMP FROM PHYSICAL GORE TO TOP OF RAMP AT						_		0.20																		<u> </u>					-	
22 SB OFF RAMP FROM PHYSICAL GORE TO TOP OF RAMP AT		21	NB ON RAMP			1		0.24	27								1,100	1,300	210													
23 SB LOOP ON RAMP ST TO PHYSICAL GORE 9,12 1 0.12 21				FROM PHYSICAL GORE TO TOP OF RAMP AT	_												,	,														
23 SB LOOP ON RAMP ST TO PHYSICAL GORE 9,12 1 0.12 21		22	SB OFF RAMP	N. GRAHAM ST	4,14	1		0.19	37								1,165	968	304		55				6	3				į	55	16
24 US 29 BY PASS CONNECTOR FLYOVER BRIDGE OVER I-85 2 0.07 34				FROM TOP OF LOOP RAMP AT N. GRAHAM																												
25 STATESVILLE AVE FROM BRIDGE DECK AT I-85 TO TIPTON DRIVE 24 2 MD 0.19 26.8		23	SB LOOP ON RAMP	ST TO PHYSICAL GORE	9,12													660	247	165								10				
25 STATESVILLE AVE DRIVE 24 2 MD 0.19 26.8		24	US 29 BY PASS CONNECTOR	FLYOVER BRIDGE OVER I-85		2		0.07	34																							
GRAND TOTAL FOR L-5905 16.82 30 2 2 2 5 705 925 200,048 154,327 2,441 32,314 352 136 79 138 37 15 5 15 1,268 35 322 3,862		1			1																										T	
GRAND 101AL FOR 1-5905	\Box	25	STATESVILLE AVE	DRIVE	24	2	MD	0.19	26.8	1					660	925					85				5	3					85	
GRAND 101AL FOR 1-5905					,		1				T	1	1			, ,				T	1	, ,		1		T	1	1	, ,			
11 1,630 354,375 289			GRAND TOT	AL FOR I-5905		1		16.82	1	30	2		1	5					2,441	32,314	352	136	79	138			5	15	1,268	35 3	322	3,862
			5.05 101				<u> </u>		<u> </u>	1		1	1		1,	630	354	,375	1						2	89						