



0400DEL\_P30  
0001ADD\_P30

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY  
GOVERNOR

NICHOLAS J. TENNYSON  
SECRETARY

August 12, 2015

**Addendum No. 1**

RE: Contract ID C203585

WBS # 57500.3.FRA01T4A

F. A. # FR-HSR-0033-11-01-00

**Mecklenburg County (U-5008)**

SR-2975 (East Sugar Creek Road) Over NS/NCRR Crossing

No. 715 352H-Grade Separation

**August 18, 2015 Letting**

To Whom It May Concern:

Reference is made to the plans and proposal form furnished to you on this project.

The following revision has been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated August 12, 2015"

Please void the above listed page in your proposal and staple the revised page thereto.

The following revision has been made to the Roadway plans:

Sheet No.	Revisions
TMP-3	Date was removed inside the box under Phase I, Step 2 in the Phasing. Please void Sheet No. TMP-3 in your plans and staple the revised Sheet No. TMP-3 thereto.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
CONTRACT STANDARDS AND DEVELOPMENT UNIT  
1591 MAIL SERVICE CENTER  
RALEIGH NC 27699-1591

TELEPHONE: 919-707-6900  
FAX: 919-250-4119  
**WEBSITE: [www.ncdot.gov](http://www.ncdot.gov)**

**LOCATION:**  
CENTURY CENTER COMPLEX  
ENTRANCE B-2  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC 27610

C203585

U-5008  
Mecklenburg County  
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The following revisions have been made to the Structure plans:

Sheet No.	Revisions
Title Sheet	The contract number was corrected
S-50	The note associated with the double asterisk was revised

Please void the above listed sheets in your plans and staple the revised sheets thereto.

Sincerely,



R. A. Garris, PE  
Contract Officer

RAG/jag  
Attachments

cc: Mr. Ron Hancock, PE  
Mr. Louis Mitchell, PE  
Ms. D. M. Barbour, PE  
Mr. Rodger Rochelle, PE  
Mr. R.E. Davenport, PE  
Mr. Ken Kennedy, PE  
Project File (2)

Mr. Ray Arnold, PE  
Ms. Theresa Canales, PE  
Mr. Paul Worley  
Mr. Mike Gwyn  
Ms. Marsha Sample  
Ms. Lori Strickland

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, N.C.

0400DEL\_P30  
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PROPOSAL

**INCLUDES ADDENDUM No. 1 DATED 08-12-15**

DATE AND TIME OF BID OPENING: **AUGUST 18, 2015 AT 2:00 PM**

CONTRACT ID C203585  
WBS 57500.3.FRA01T4A

FEDERAL-AID NO. FR-HSR-0033-11-01-00  
COUNTY MECKLENBURG  
T.I.P. NO. U-5008  
MILES 0.537  
ROUTE NO. SR 2975  
LOCATION SR-2975 (E SUGAR CREEK RD) OVER NS/NCRR CROSSING NO 715  
352H - GRADE SEPARATION.

TYPE OF WORK GRADING, DRAINAGE, PAVING, WALLS, AND STRUCTURE.

**NOTICE:**

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

**BIDS WILL BE RECEIVED AS SHOWN BELOW:**

**THIS IS A ROADWAY & STRUCTURE PROPOSAL**

**5% BID BOND OR BID DEPOSIT REQUIRED**

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DCN

PROJ. REFERENCE NO.	SHEET NO.
U-5008	TMP-3

## PHASING

### PHASE I

STEP 1: VERIFY EXISTING OFF-SITE DETOUR SIGNS ARE INSTALLED CORRECTLY. INSTALL ADDITIONAL OFF-SITE DETOUR SIGNS PER TMP-11, TMP-12, AND RSD 1101.03 SHEET 1 OF 9. REMOVE EXISTING SIGNS NOT NOTED TO REMAIN.

STEP 2: WITH SUGAR CREEK ROAD CLOSED BETWEEN RALEIGH STREET AND BEARWOOD AVENUE, BEGIN BRIDGE BENT 2 AND BENT 3 CONSTRUCTION.

COMPLETE INTERIOR BENTS 2 AND 3 INCLUDING SETTING OF GIRDERS BY THE DATE SHOWN IN THE ICT.  
(SEE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES)

STEP 3: USING RSD 1101.01 SHEETS 2 AND 3 OF 3, INSTALL ADVANCE WARNING SIGNS ON GREENSBORO ST, RALEIGH ST, NORTH DAVIDSON ST, NORTHMORE ST, REDWOOD AVE, AND DINGLEWOOD AVE.

STEP 4: BEGIN CONSTRUCTION AWAY FROM TRAFFIC AS SHOWN ON TMP-5 AND TMP-6 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

STEP 5: USING RSD 1101.02 SHEETS 1 AND 3 OF 15 AS NECESSARY, COMPLETE ROADWAY CONSTRUCTION FROM -Y7- STA 10+25± TO -Y7- STA 19+78± AND FROM -Y4- STA 10+52± TO -Y4- STA 14+20± UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE TMP-5 AND TMP-6).

STEP 6: PLACE TEMPORARY PAVEMENT MARKINGS FROM -Y7- STA 10+43± TO -Y7- STA 19+68± AS SHOWN ON TMP-9.

### PHASE II

STEP 1: OPEN -Y7- AND -Y4- TO TRAFFIC. USING RSD 1101.02 SHEETS 1 AND 3 OF 15 AS NECESSARY, PLACE TEMPORARY PAVEMENT MARKINGS ON -Y1- AND -L- AS SHOWN ON TMP-7. DETOUR N DAVIDSON ST TRAFFIC TO NORTHMORE ST AS SHOWN ON TMP-7. USING RSD 1101.03 SHEET 1 OF 9, CLOSE SUGAR CREEK RD BETWEEN NORTHMORE ST AND BEARWOOD AVE AND BETWEEN BEARWOOD AVE AND GREENSBORO ST PLACING DEVICES AS SHOWN ON TMP-7 AND TMP-9. SHIFT BEARWOOD AVENUE TRAFFIC TO -Y4- AS SHOWN ON TMP-7.

STEP 2: BEGIN CONSTRUCTION OF -L- FROM STA 10+00± TO 39+00± AND -Y- LINES AS SHOWN ON TMP-7 AND TMP-9. MAINTAIN ACCESS USING RSD 1101.02 SHEET 1 OF 15 AS NECESSARY.

STEP 3: USING RSD 1101.02 SHEET 1 OF 15, COMPLETE ROADWAY CONSTRUCTION OF -Y4-, -Y3REV-, AND -Y2- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. SEE TMP-7.

STEP 4: USING RSD 1101.02 SHEET 1 OF 15, PLACE TEMPORARY PAVEMENT MARKINGS ON -Y4-, -Y3REV-, AND -Y2- AS SHOWN ON TMP-8 AND OPEN TO TRAFFIC, RELOCATING DEVICES TO THE LOCATIONS SHOWN ON TMP-8.

STEP 5: BEGIN -Y1- CONSTRUCTION.

STEP 6: USING RSD 1101.02 SHEET 1 OF 15, COMPLETE -L-, -Y1-, -Y2-, -Y3REV-, -Y4-, -Y5-, -Y7-, AND -Y8- INCLUDING THE FINAL LAYER OF SURFACE COURSE. PLACE PAVEMENT MARKINGS ACCORDING TO THE PAVEMENT MARKING PLANS.

STEP 7: OPEN -L- AND -Y- LINES TO TRAFFIC.

STEP 8: REMOVE ALL WORK ZONE TRAFFIC CONTROL DEVICES ASSOCIATED WITH SUGAR CREEK ROAD CONSTRUCTION.

### PHASE III

WORK IN AREAS 1, 2, AND 3 MAY TAKE PLACE CONCURRENTLY.

STEP 1: COMPLETE THE WORK REQUIRED IN AREA 1, AREA 2, AND AREA 3.

STEP 2: REMOVE ALL REMAINING WORK ZONE TRAFFIC CONTROL DEVICES ASSOCIATED WITH U-5008 IN ALL AREAS.

#### AREA 1 - E CRAIGHEAD RD AND N DAVIDSON ST

STEP 1: USING RSD 1101.03 SHEET 1 OF 9, CLOSE E CRAIGHEAD RD AND N DAVIDSON ST DETOURING TRAFFIC OFF SITE AS SHOWN ON TMP-10.

STEP 2: CONSTRUCT -Y3- AND -Y6- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

STEP 3: CONSTRUCT THE FINAL LAYER OF SURFACE COURSE AND PLACE PAVEMENT MARKINGS ACCORDING TO THE PAVEMENT MARKING PLANS.

STEP 4: OPEN -Y3- AND -Y6- TO FINAL PATTERN AND REMOVE ALL AREA 1 WORK ZONE TRAFFIC CONTROL DEVICES.

#### AREA 2 - TRYON ST AND EASTWAY DR

STEP 1: USING RSD 1101.01 SHEET 2 OF 3, INSTALL ADVANCE WARNING SIGNS ON TRYON ST AND EASTWAY DR.

STEP 2: USING RSD 1101.02 SHEETS 3 AND 7 OF 15, CONSTRUCT IMPROVEMENTS AT THE INTERSECTION OF TRYON ST AND EASTWAY DR AS SHOWN IN THE ROADWAY PLANS.

STEP 3: REMOVE ALL AREA 2 WORK ZONE TRAFFIC CONTROL DEVICES.

#### AREA 3 - THE PLAZA AND EASTWAY DR

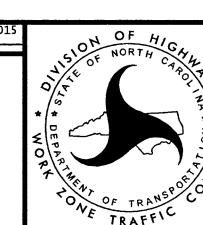
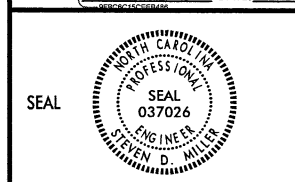
STEP 1: USING RSD 1101.01 SHEET 2 OF 3, INSTALL ADVANCE WARNING SIGNS ON THE PLAZA AND EASTWAY DR.

STEP 2: USING RSD 1101.02 SHEETS 3 AND 7 OF 15, CONSTRUCT IMPROVEMENTS AT THE INTERSECTION OF THE PLAZA AND EASTWAY DRIVE AS SHOWN IN THE ROADWAY PLANS.

STEP 3: REMOVE ALL AREA 3 WORK ZONE TRAFFIC CONTROL DEVICES.

8/12/2015 8:12 AM G:\Transportation\Trill\036.00 (U-5008)\TrafficControl\TCP\U-5008 TMP-3.dgn SMiller

APPROVED: Steve Miller DATE: 8/12/2015



PHASING

0400DEL\_P30  
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TIP PROJECT: U-5008

CONTRACT: C203585

STATE OF NORTH CAROLINA  
RAIL DIVISION

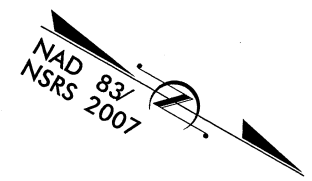
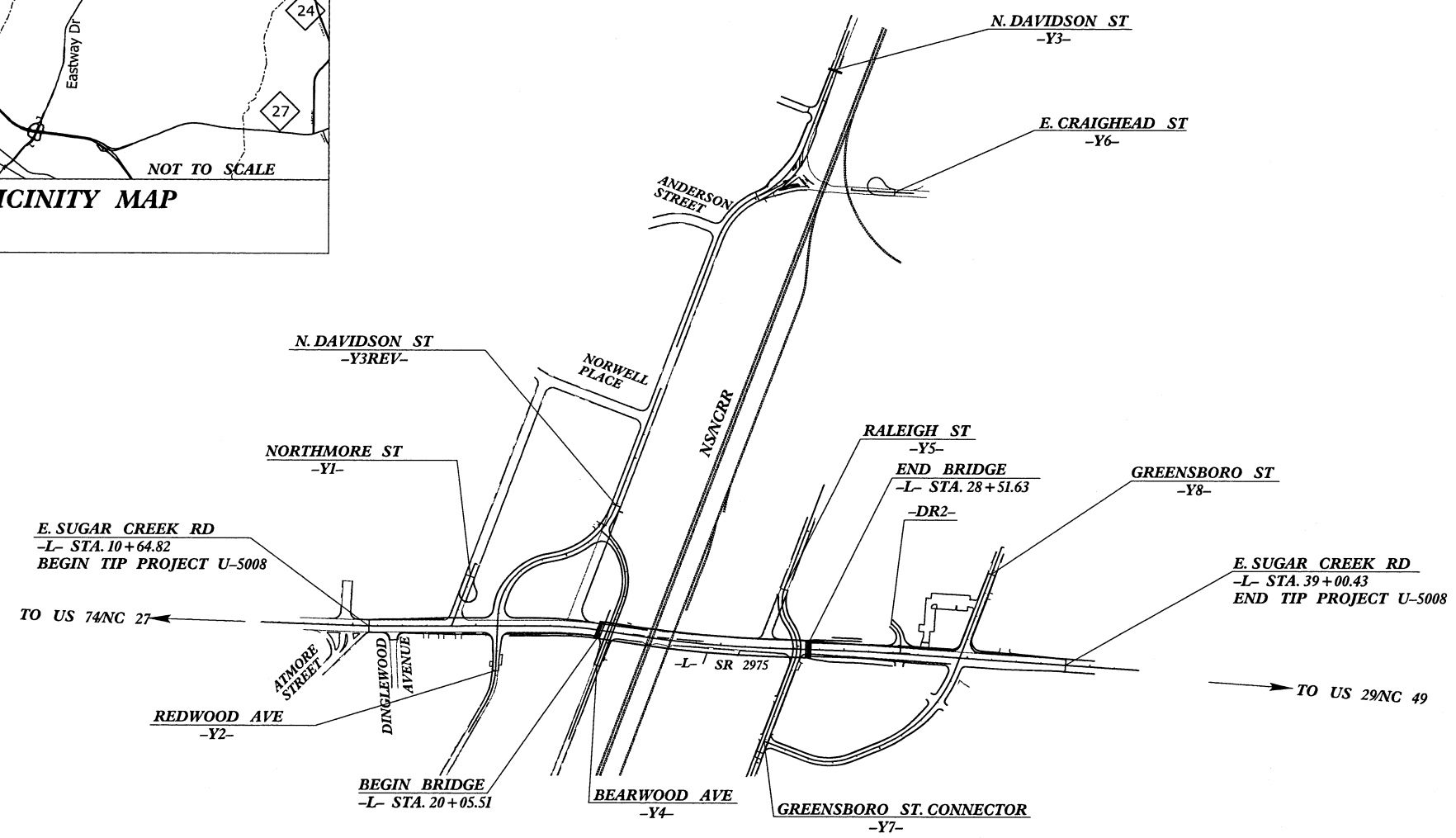
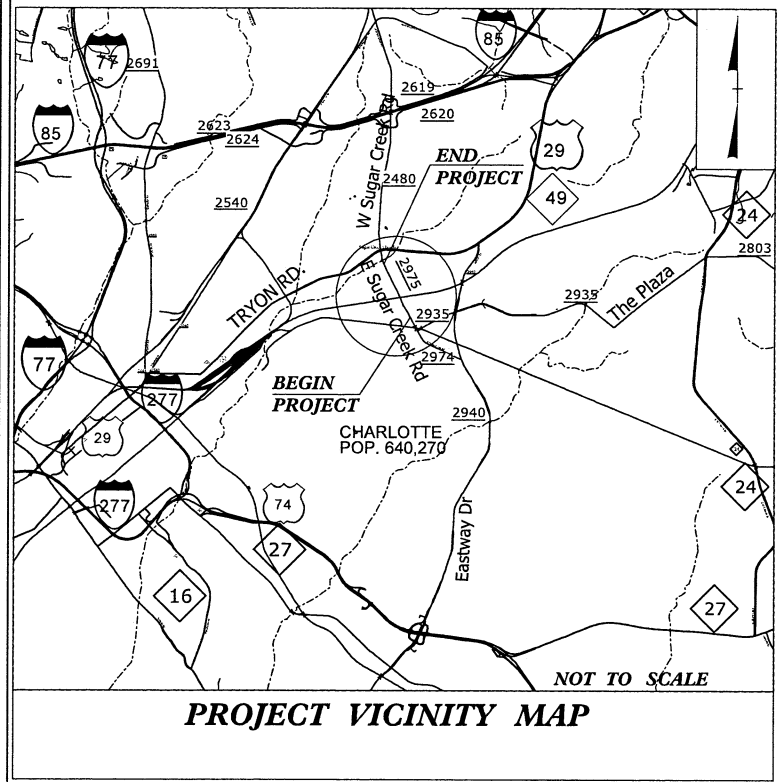
**MECKLENBURG COUNTY**

LOCATION: SR 2975 (EAST SUGAR CREEK ROAD) OVER NS/NCRR  
CROSSING NO. 715 352H-GRADE SEPARATION

TYPE OF WORK: GRADING, DRAINAGE, PAVING, WALLS AND STRUCTURE



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	U-5008		
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
41141.1.1		PE	
57500.2.FRA01		RW, UTIL-PE	
57500.3.FRA01T4A	FR-HSR-0033-11-01-00	CONST.	



STRUCTURES

**DESIGN DATA**

ADT 2015 =	25,500
ADT 2035 =	30,300
DHV =	8 %
D =	55 %
T =	12 % *
V =	40 MPH

\* TTST = 4% DUAL = 8%

FUNC CLASS =  
URBAN COLLECTOR  
SUBREGIONAL TIER

**PROJECT LENGTH**

LENGTH OF ROADWAY TIP PROJECT U-5008 =	0.377 MI
LENGTH OF STRUCTURE TIP PROJECT U-5008 =	0.160 MI
TOTAL LENGTH OF TIP PROJECT U-5008 =	0.537 MI

Prepared In the Office of:

KCI ASSOCIATES OF NC, P.A.  
9741 SOUTHERN PINE BLVD  
SUITE J  
CHARLOTTE, NC 28273  
704-499-9452  
NC LICENSE No. C-0764

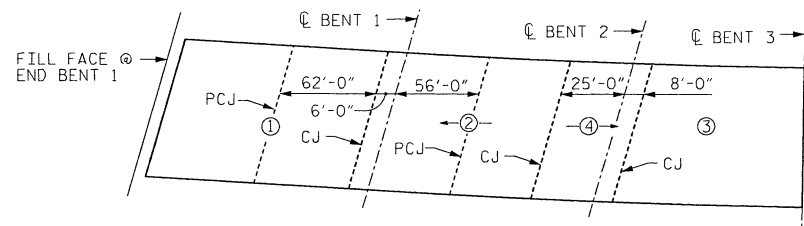
2012 STANDARD SPECIFICATIONS

LETTING DATE:  
August 18, 2015

DocuSigned by:  
Jared C. Medlin  
SAFEE1A3384F8

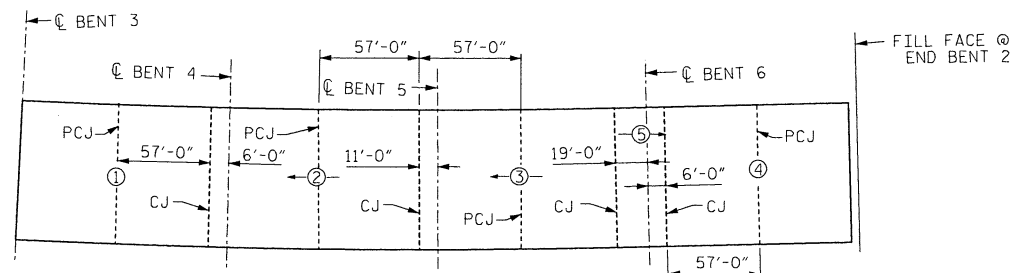
8/11/2015

NC DEPARTMENT OF  
TRANSPORTATION  
**RAIL DIVISION**  
ENGINEERING, CONSTRUCTION AND SAFETY  
BRANCH  
CAPITAL PLANS  
100 RAIL GREECE CENTER  
RALEIGH, NC 27616



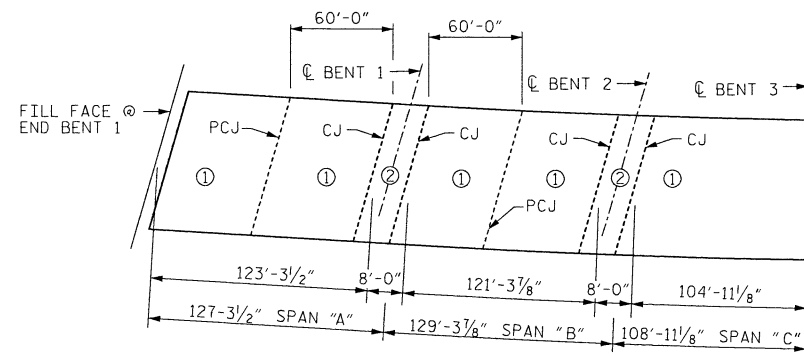
POUR SEQUENCE - UNIT 1

←(N) INDICATES POUR SEQUENCE AND DIRECTION



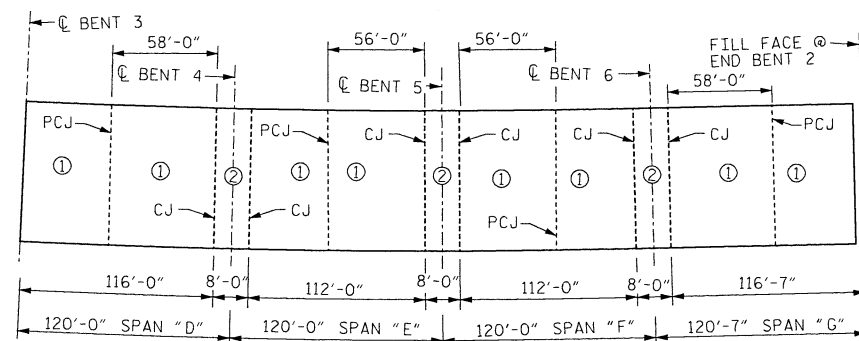
POUR SEQUENCE - UNIT 2

←(N) INDICATES POUR SEQUENCE AND DIRECTION



OPTIONAL POUR SEQUENCE - UNIT 1

AT THE CONTRACTOR'S OPTION, THIS SEQUENCE MAY BE USED IN LIEU OF THE SEQUENCE SHOWN ON THE PLAN OF SPANS. DO NOT BEGIN ANY POUR 2 UNTIL ALL POURS 1 IN ADJACENT SPANS HAVE REACHED A STRENGTH OF 3000 PSI.



OPTIONAL POUR SEQUENCE - UNIT 2

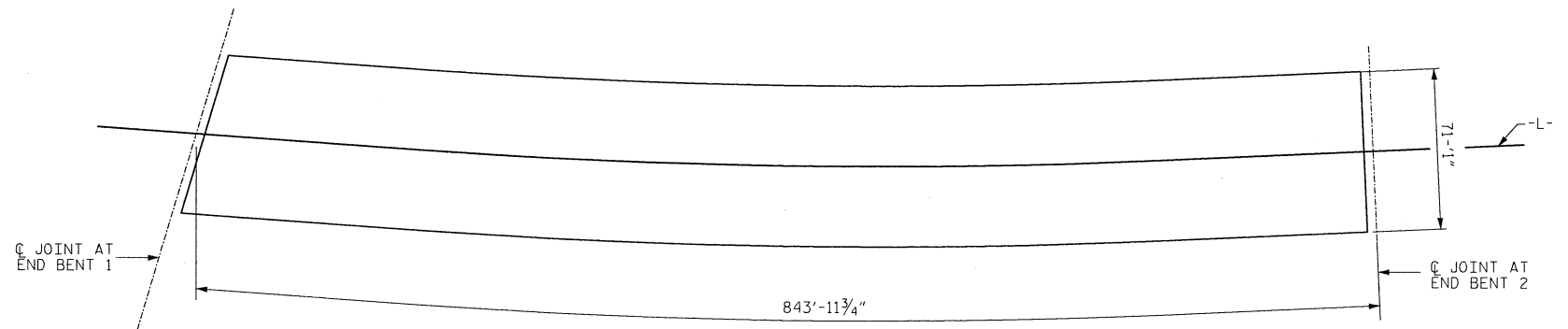
AT THE CONTRACTOR'S OPTION, THIS SEQUENCE MAY BE USED IN LIEU OF THE SEQUENCE SHOWN ON THE PLAN OF SPANS. DO NOT BEGIN ANY POUR 2 UNTIL ALL POURS 1 IN ADJACENT SPANS HAVE REACHED A STRENGTH OF 3000 PSI.

CJ = TRANSVERSE CONSTRUCTION JOINT  
PCJ = PERMITTED TRANSVERSE CONSTRUCTION JOINT

—SUPERSTRUCTURE BILL OF MATERIAL—

	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
UNIT 1			
POUR 1	283.4 †		
POUR 2	289.5		
POUR 3	237.9 †		
POUR 4	109.2		
TOTAL	920.0	96,670	105,156
UNIT 2			
POUR 1	268.7 †		
POUR 2	299.4		
POUR 3	292.4		
POUR 4	267.8 †		
POUR 5	89.8		
TOTAL	1218.1	130,354	141,593
TOTALS**	2138.1	227,024	246,749

\*\*QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED  
† INCLUDES CLOSURE POUR AT EXPANSION JOINT



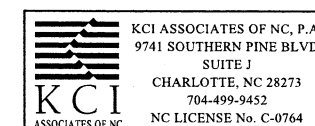
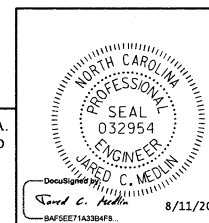
LAYOUT FOR COMPUTING  
AREA REINFORCED CONCRETE  
DECK SLAB  
(SQ. FT. = 59,971)

PROJECT NO. U-5008  
MECKLENBURG COUNTY  
STATION: 20+45.05 -L- P.O.T. =  
14+54.24 -Y4- P.O.T.

SHEET 2 OF 2

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUPERSTRUCTURE  
BILL OF MATERIAL



REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S-50	
1			3			SHEETS	
2			4			78	

DRAWN BY: R.J. FLORY DATE: 9/8/14  
CHECKED BY: R.C. LARSON DATE: 9/9/14