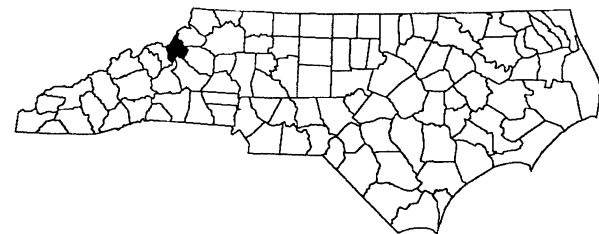


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BP-3500T	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45438.1.1	BRNHS-000S (658)	P.E.	
45438.3.17	BRNHS-000S (658)	CONST.	



STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

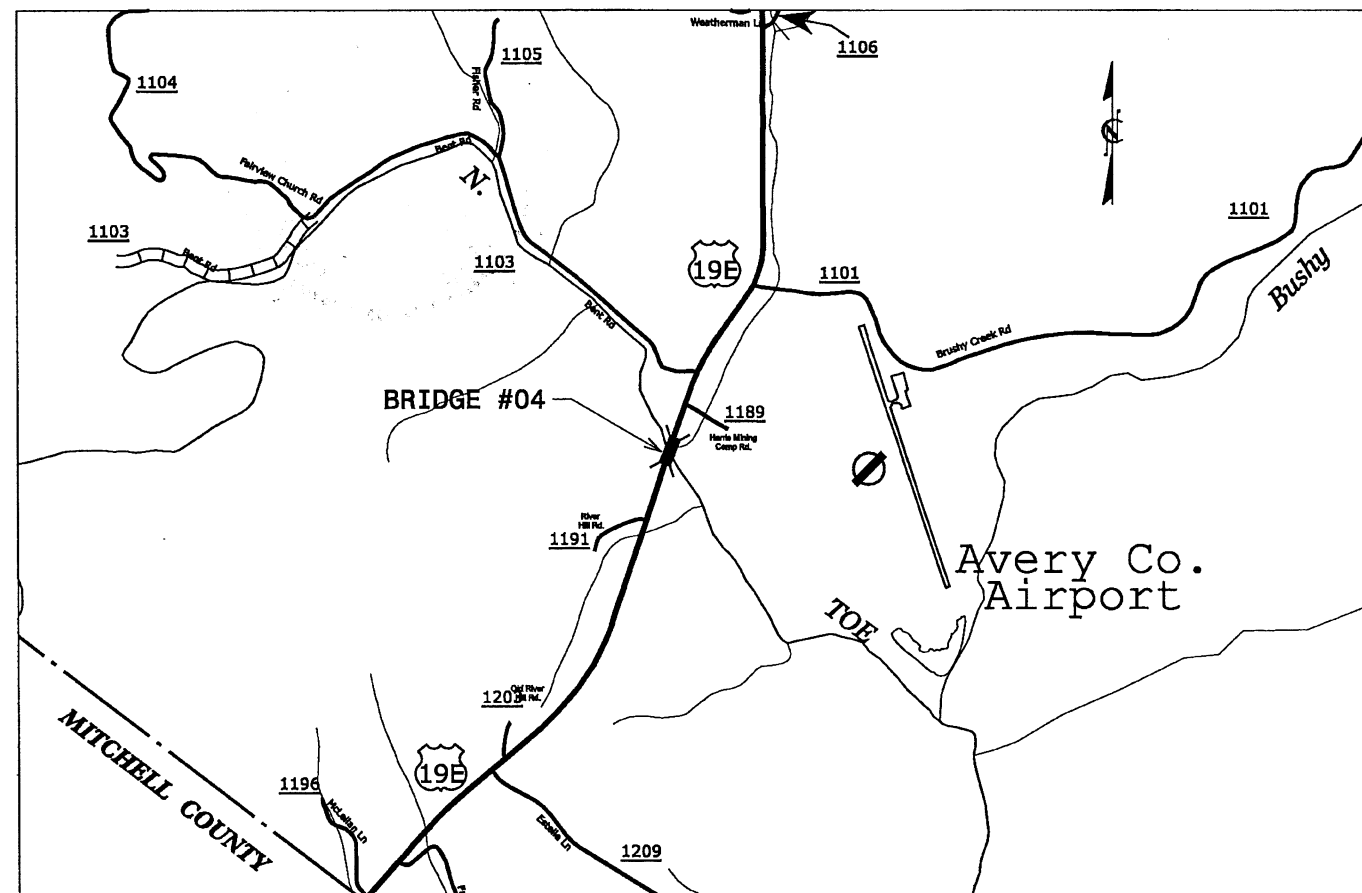
AVERY COUNTY

LOCATION: BRIDGE #04 ON US 19 E OVER THE N.TOE RIVER

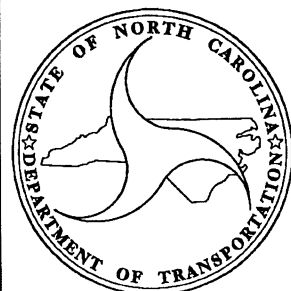
TYPE OF WORK: HYDRODEMOLITION & LMC OVERLAY

INDEX OF SHEETS

DWG. #	DESCRIPTION
1	TITLE SHEET
S1 THRU S5	STRUCTURE PLANS
TMP-1 THRU TMP-6	TRAFFIC MANAGEMENT PLANS



STRUCTURES



DESIGN DATA

PROJECT LENGTH

LENGTH ROADWAY OF F.A. PROJECT = 0.04 MILES

LENGTH STRUCTURE OF F.A. PROJECT = 0.05 MILES

TOTAL LENGTH OF STATE PROJECT = 0.09 MILES

Prepared In the Office of:

HDR

HDR Engineering, Inc. of the Carolinas
N.C.E.L.S. License Number: F-0116
3733 Holcomb Drive, Suite 207 Raleigh, NC 27602

2006 STANDARD SPECIFICATIONS

LETTING DATE :

APRIL 12, 2011

RODNEY MONEY, P.E.

PROJECT ENGINEER

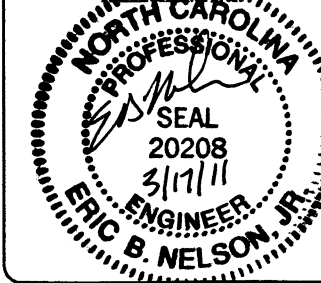
MATTHEW MOYER, P.E.

PROJECT DESIGN ENGINEER

STRUCTURE DESIGN UNIT

1000 BIRCH RIDGE DR.

RALEIGH, NC 27601



Matthew Moyer

3-18-11



BRIDGE DESIGN ENGINEER

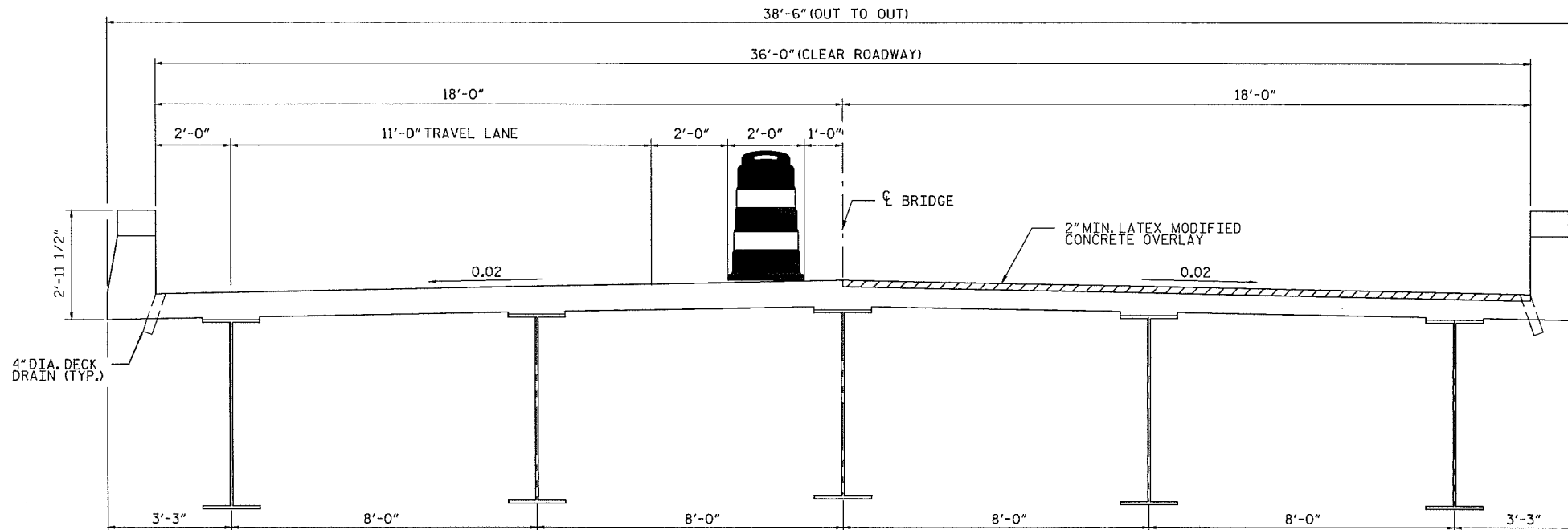
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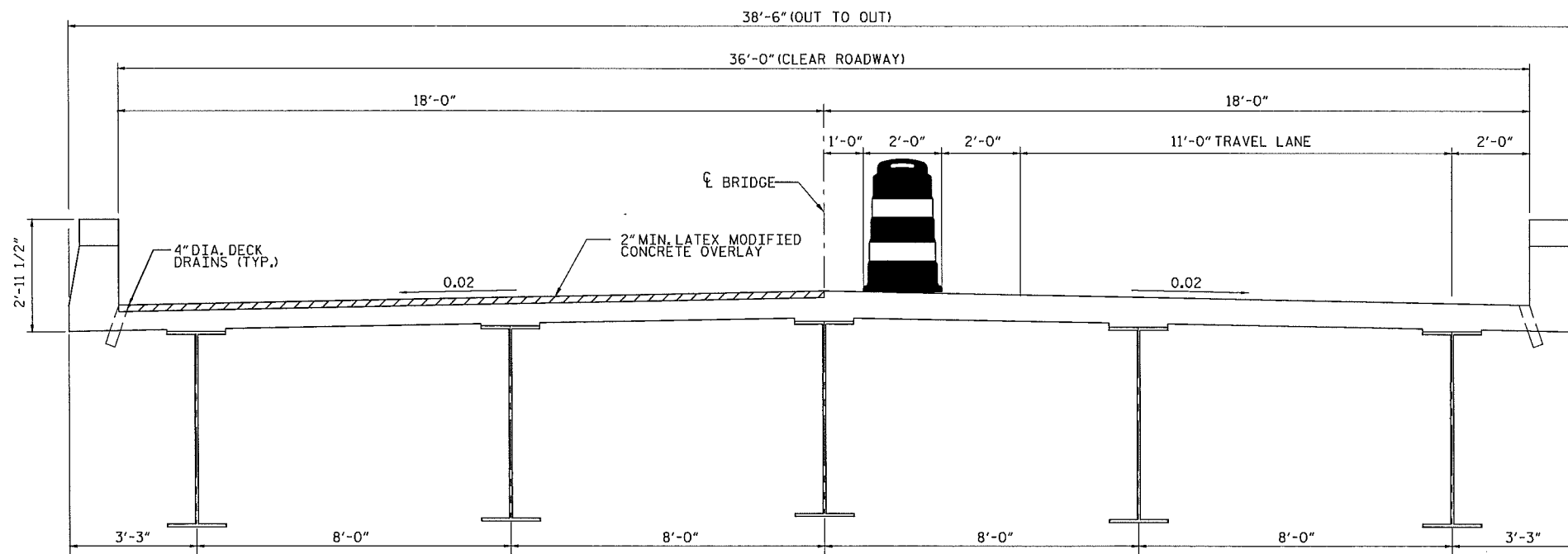
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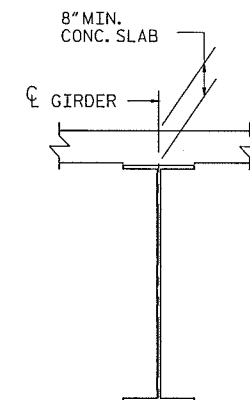
TYPICAL SECTION
(STAGE I)



TYPICAL SECTION
(STAGE II)

NOTES

- FOR HYDRO-DEMOLITION OF BRIDGE DECK, SEE SPECIAL PROVISIONS.
- THE CONTRACTOR MUST COLLECT, TREAT AND DISPOSE OF RUN-OFF WATER FROM THE HYDRO-DEMOLITION PROCESS. SEE "HYDRO-DEMOLITION OF BRIDGE DECK" SPECIAL PROVISION.
- THE BOUNDARIES OF AREAS IDENTIFIED FOR CLASS III SURFACE PREPARATION ARE APPROXIMATE. THE CONTRACTOR SHALL PROVIDE A METHOD OF HANDLING UNEXPECTED BLOW THROUGH OF THE DECK. SEE "TYP. 'BLOW THRU' CONTAINMENT AND FORMWORK" DETAIL.
- THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE EVAZOTE JOINT SEAL SHALL BE 2 1/2" AT BENTS 1 AND 2. FOR EVAZOTE JOINT SEALS, SEE SPECIAL PROVISIONS.
- FOR ELASTOMERIC CONCRETE FOR JOINT REPAIR, SEE SPECIAL PROVISIONS.
- FOR LATEX MODIFIED CONCRETE VERY EARLY STRENGTH, SEE SPECIAL PROVISIONS.
- FOR GROOVING BRIDGE FLOORS INFORMATION, SEE "LATEX MODIFIED CONCRETE VERY EARLY STRENGTH" SPECIAL PROVISION.
- FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.
- FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.
- BRIDGE DECK DRAINS SHALL BE PLUGGED DURING HYDRO-DEMOLITION PROCESS.



EXIST. SLAB SECTION

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

PROJECT NO. BP-5300T
AVERY COUNTY
DECK REHAB BRIDGE NO. 04

TOTAL BILL OF MATERIAL										
** SCARIFYING BRIDGE DECK	* CLASS I SURFACE PREPARATION	* CLASS II SURFACE PREPARATION	* CLASS III SURFACE PREPARATION	* CLASS AA CONCRETE	HYDRO-DEMOLITION OF BRIDGE DECK	LATEX MODIFIED CONCRETE VERY EARLY STRENGTH	PLACING & FINISHING LATEX MODIFIED CONCRETE VERY EARLY STRENGTH	EVAZOTE JOINT SEALS	GROOVING BRIDGE FLOORS	ASPHALT CONCRETE SURFACE COURSE TYPE S 9.5B
SQ. YDS.	SQ. YDS.	SQ. YDS.	SQ. YDS.	CU. YDS	SQ. YDS.	CU. YDS	SQ. YDS.	LUMP SUM	SQ. FT	TONS
1,816	1,012	23	69	6	1,104	77	1,104	LUMP SUM	9,080	81

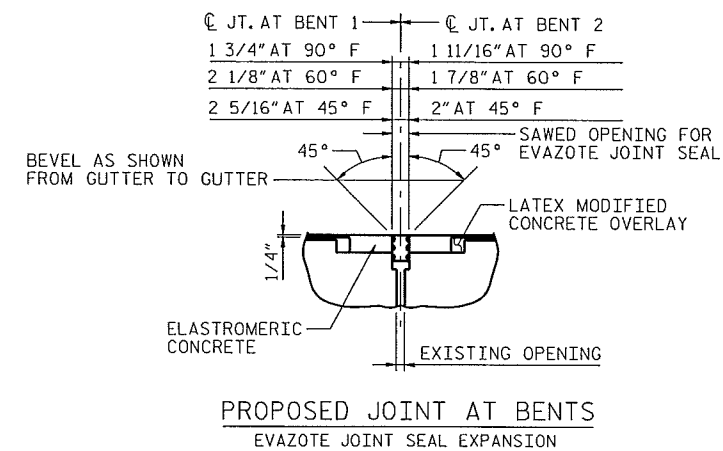
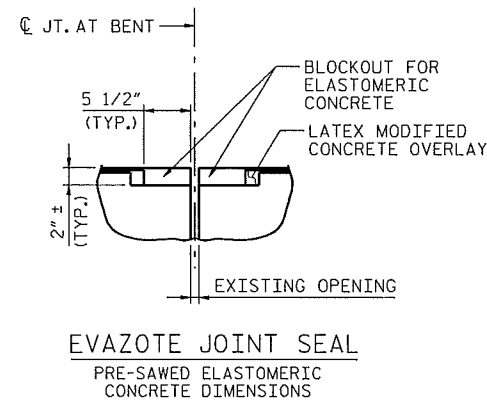
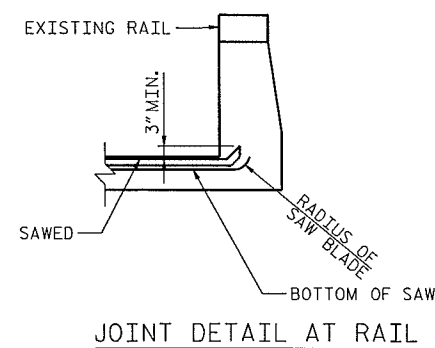
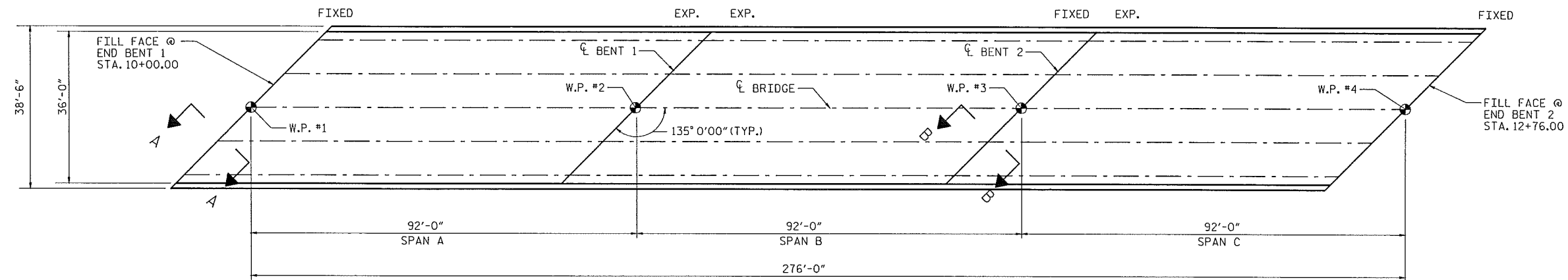
* QUANTITY SHOWN IS FOR INFORMATION ONLY. ** INCLUDES APPROACH MILLING.

DRAWN BY : G. BLUE
CHECKED BY : M. MOYER
DATE : 03/2011
DATE : 03/2011

NOTE: NOT TO SCALE

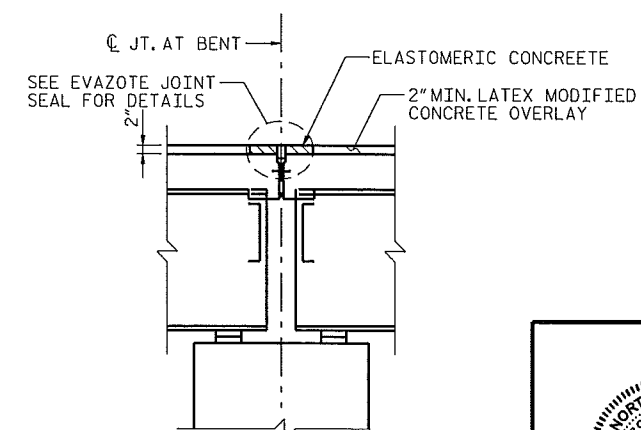
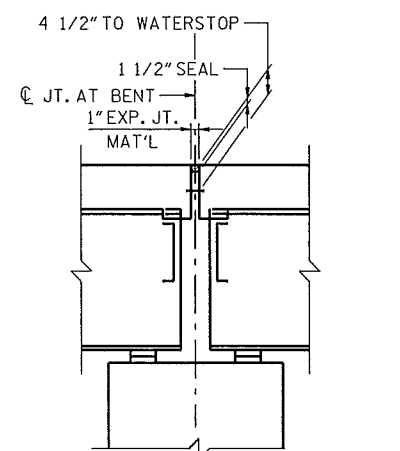
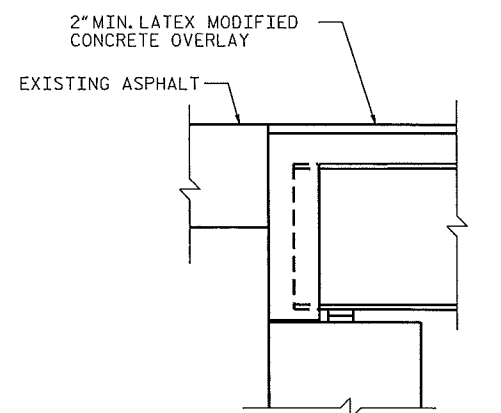
 Matthew J. Moyer 3-18-11	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH								
	TYPICAL SECTION FOR BRIDGE NO. 04								
	36'-0" CLEAR ROADWAY								
	REVISIONS								
NO.		BY:	DATE:	NO.		BY:	DATE:	SHEET NO. S-1	
1				3				TOTAL SHEETS 5	
2				4					

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3733 Medway Drive, Suite 207 Raleigh, N.C. 27612
N.C. E.L.S. License Number: F-0116



ELASTOMERIC CONCRETE	
BENT NO.	ELASTOMERIC CONCRETE * (CU. FT.)
BENT 1	7.8
BENT 2	7.8
TOTAL	15.6

*BASED ON THE MINIMUM BLOCKOUT SHOWN



PROJECT NO. BP-5300T
AVERY COUNTY
 DECK REHAB BRIDGE NO. 04



Matthew Mayer
3-18-11

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

PLAN VIEW AND
JOINT DETAILS
FOR BRIDGE NO. 04

36'-0" CLEAR ROADWAY

REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-2
TOTAL SHEETS 6

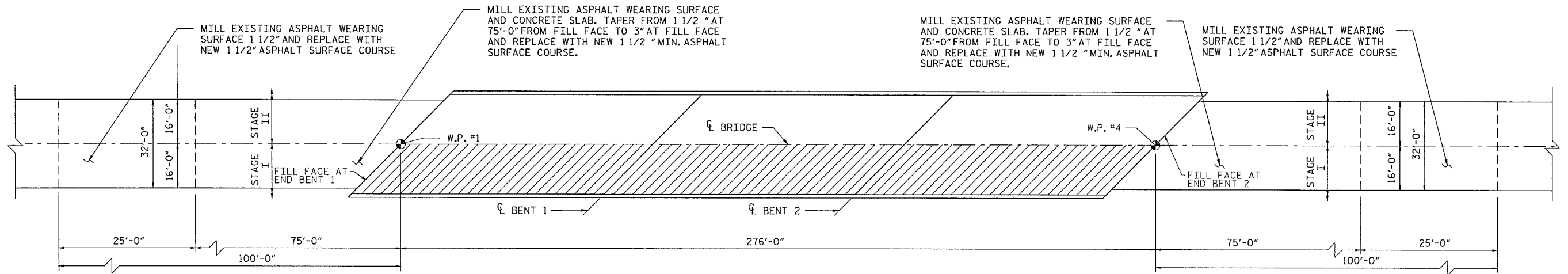
DRAWN BY : G. BLUE DATE : 03/2011
CHECKED BY : M. MOYER DATE : 03/2011

NOTE: NOT TO SCALE

HDR HDR Engineering, Inc. of the Carolinas
3733 National Drive, Suite 207 Raleigh, N.C. 27607
NCEES License Number: E-0116

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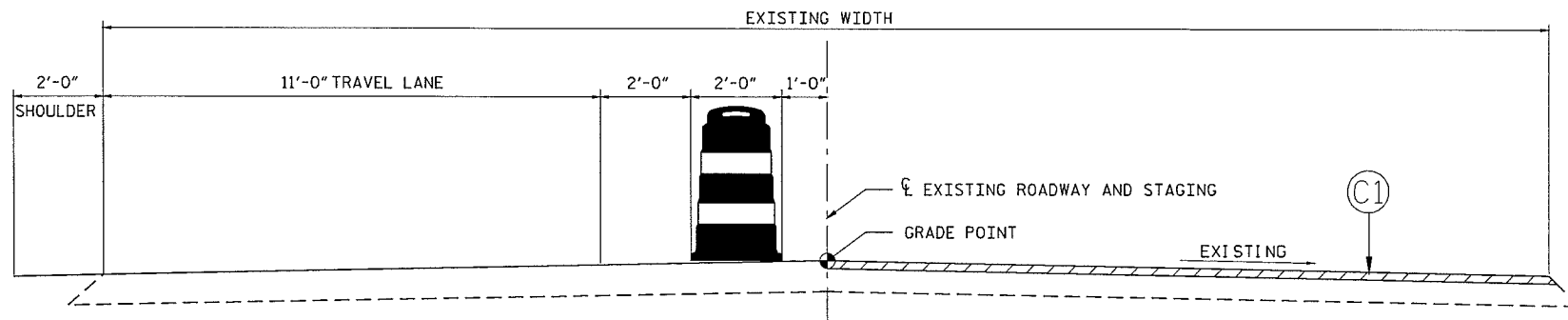
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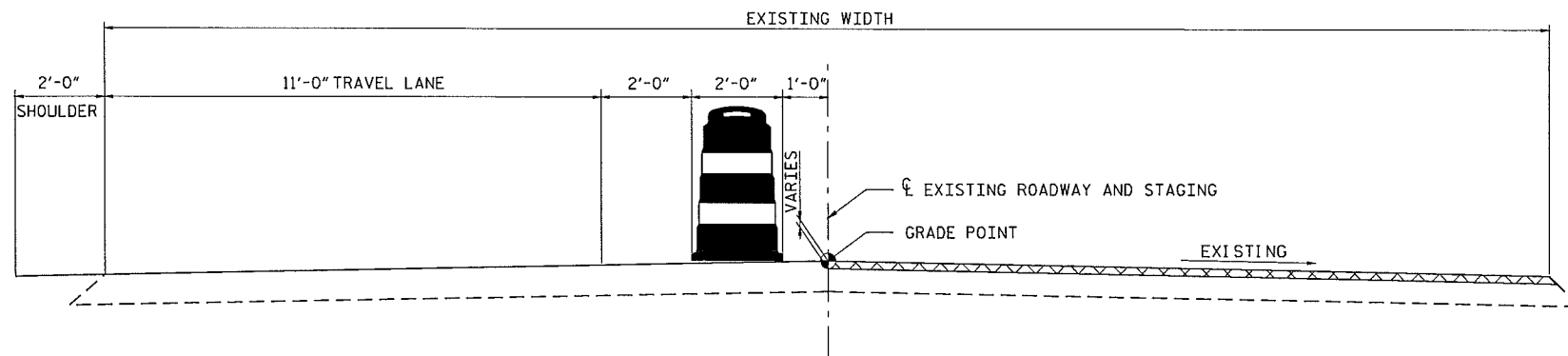
PLAN
(STAGE I)

DECK SCARIFICATION AND HYDRODEMOLITION

C1	PROPOSED VARIABLE DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5B AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER 1" DEPTH.
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TYPICAL ROADWAY SECTION
(STAGE I)



TYPICAL ROADWAY MILLING AND RESURFACING SECTION
(STAGE I) (MILLING DEPTH VARIES, SEE PLAN)

ASPHALT MILLING AND RESURFACING

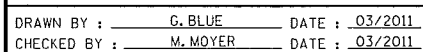
PROJECT NO. BP-5300T
AVERY COUNTY
DECK REHAB BRIDGE NO. 04

	STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
	TYPICAL SECTION & MILLING DETAILS FOR BRIDGE NO. 04 (STAGE I)					
	36'-0" CLEAR ROADWAY					
REVISIONS						
NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO. S-4 TOTAL SHEETS 5
1			3			
2			4			

HDR Engineering, Inc. of the Carolinas
3733 Industrial Drive, Suite 207 Raleigh, N.C. 27612
N.C. REG. License Number: F-0114

NOTE: NOT TO SCALE

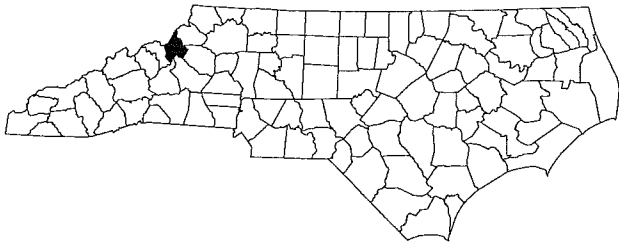
DRAWN BY: G. BLUE DATE: 03/2011
CHECKED BY: M. MOYER DATE: 03/2011



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

AVERY COUNTY



LOCATION: BRIDGE 04 ALONG US 19 E OVER THE N. TOE RIVER
(.1 MILE SOUTH OF JCT W/SR 1189)

TYPE OF WORK: TRAFFIC CONTROL FOR BRIDGE DECK PRESERVATION

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING
TMP-2	AVERY COUNTY GENERAL NOTES
TMP-3	AVERY COUNTY PROJECT VICINITY MAP
TMP-4	TEMPORARY TRAFFIC CONTROL PHASING
TMP-5	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-6	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL

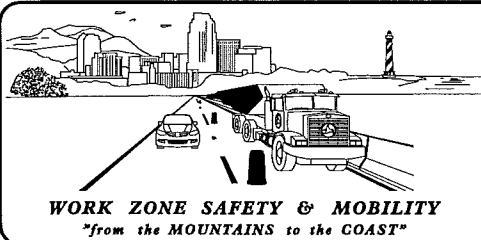
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TMP-1

BP-5300T

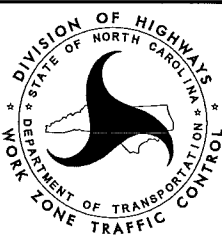
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N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1580 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1580
1020 BIRCH RIDGE DRIVE, RALEIGH, NC 27610 (DELIVERY)
PHONE: (919) 250-4094 FAX: (919) 250-4098

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER
MATTHEW MOYER, P.E. PROJECT ENGINEER
PAUL MEEHAN, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
CHRIS HARNDEN TRAFFIC CONTROL DESIGN ENGINEER



Prepared in the Office of:

HDR HDR Engineering, Inc. of the Carolinas
N.C.B.E.L.S. License Number: F-0116
3733 National Drive, Suite 207 Raleigh, N.C. 27612

SEAL



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ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW PANELS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED IMPACT ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - INTERCHANGES
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS & WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS - (TEMPORARY & PERMANENT)
1253.01	SNOWPLOWABLE RAISED PAVEMENT MARKERS
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS
1264.02	PLACEMENT OF OBJECT MARKERS
1267.01	FLEXIBLE DELINEATOR INSTALLATION
1267.02	FLEXIBLE DELINEATOR SPACING
1267.03	FLEXIBLE DELINEATOR - INTERCHANGES

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.



WORK AREA



REMOVAL



CONTINUING CONSTRUCTION



TEMPORARY PAVEMENT

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW PANEL (TYPE C)
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

PROJ. REFERENCE NO.	SHEET NO.
BP-5300T	TMP-1A
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ROADWAY STANDARD
DRAWINGS & LEGEND

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PROJ. REFERENCE NO.	SHEET NO.
BP-5300T	TMP-2
HDR HDR Engineering, Inc. of the Carolinas N.C.B.E.S. License Number: F-0116 3733 National Drive, Suite 207 Raleigh, N.C. 27612	

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS, OR RESULT IN DUPLICATE, OR UNDESIRED OVERLAPPING OR DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES, AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

LANE CLOSURE TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAMES
ALL ROADS

HOLIDAY

- 1) FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2) FOR NEW YEAR'S, BETWEEN THE HOURS OF 6 A.M. DECEMBER 31st TO 6 P.M. JANUARY 2nd. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6 P.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6 A.M. THURSDAY AND 6 P.M. MONDAY.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6 A.M. FRIDAY TO 6 P.M. TUESDAY.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THE BETWEEN THE HOURS OF 6 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6 A.M. FRIDAY AND 6 P.M. TUESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6 A.M. TUESDAY TO 6 P.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- B) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED, OR AS DIRECTED BY THE ENGINEER.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWING, OR BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- G) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITHIN GUARDRAIL OR BARRIER.
- H) DO NOT INSTALL MORE THAN ONE LANE CLOSURE, IN ANY DIRECTION, ON US 19 E.

PAVEMENT EDGE DROP-OFF REQUIREMENTS

- I) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
- BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
- BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
- BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- J) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

SIGNING

- K) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE(3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- L) PROVIDE PERMANENT SIGNING.
- M) PROVIDE DETOUR SIGNING WITHIN AND/OR OFF THE PROJECT LIMITS.
- N) COVER OR REMOVE ALL DETOUR SIGNS OUTSIDE THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- O) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

PAVEMENT MARKINGS AND MARKERS

P) INSTALL FINAL PAVEMENT MARKINGS AND PAVEMENT MARKERS AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	MATCH EXISTING	MATCH EXISTING

Q) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	REMOVABLE TAPE	NONE

- R) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- S) REMOVE/REPLACE AND CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATIONS.

MISCELLANEOUS

- T) LAW ENFORCEMENT OFFICERS MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTION, AS DIRECTED BY THE ENGINEER.
- U) ENGINEER WILL NOTIFY THE OVERSIZE/OVERWEIGHT PERMIT UNIT AT 919-733-4740 (MS. TAMMY DENNING OR MS. JOY WIGGINS) TWO WEEKS PRIOR TO TRAFFIC BEING PLACED IN A ONE-LANE TRAFFIC PATTERN AND WHEN TRAFFIC IS RESTORED TO THE EXISTING PATTERN.
- V) DO NOT ALLOW WATER AND CONCRETE SLURRY FROM HYDRO-DEMOLITION TO DRAIN ACROSS TRAVEL LANES.

TRAFFIC CONTROL DEVICES

- W) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED, REFER TO SECTION 1180.01 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE PLANS.
- X) PLACE TYPE II BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE THE ENTIRE ROADWAY.
- Y) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 1000 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

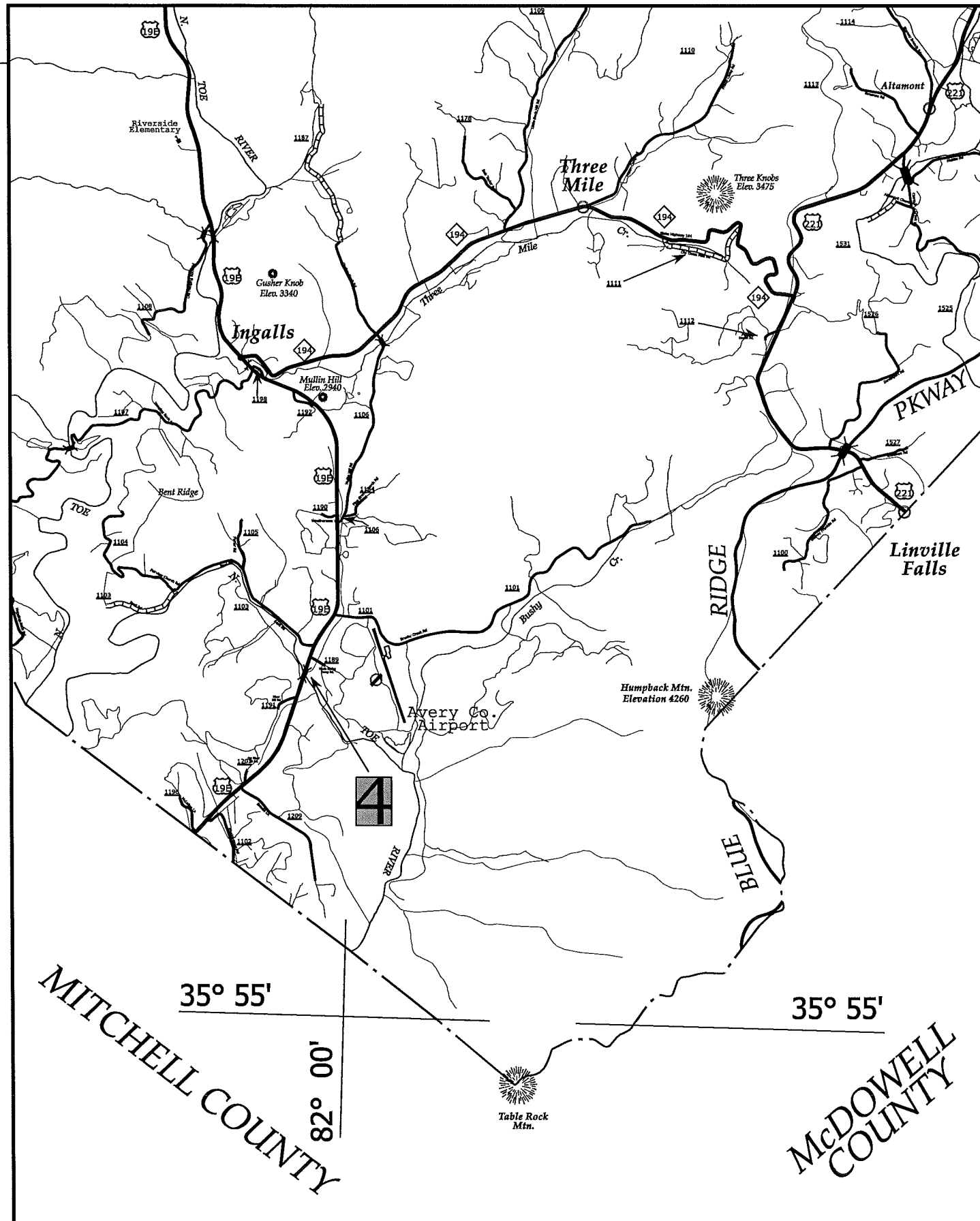
SEAL

Matthew J. Hoyle
3-18-11

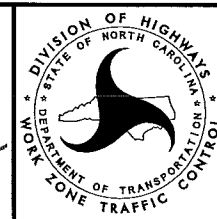
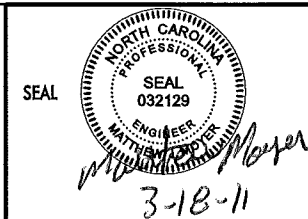
AVERY COUNTY
(BRIDGE #04)
GENERAL NOTES

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REVISIONS



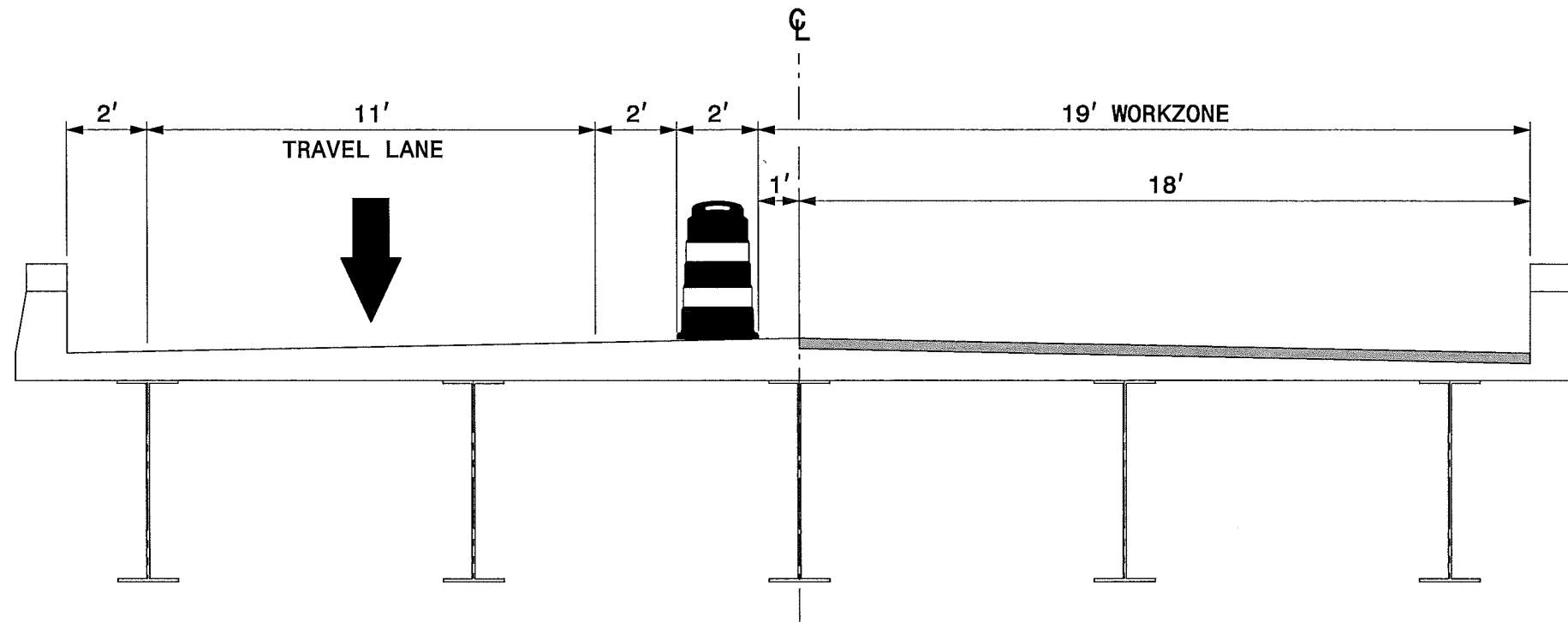
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HDR HDR Engineering, Inc. of the Carolinas N.C.B.E.L.S. License Number: E-0116 3733 National Drive, Suite 207 Raleigh, N.C. 27612	



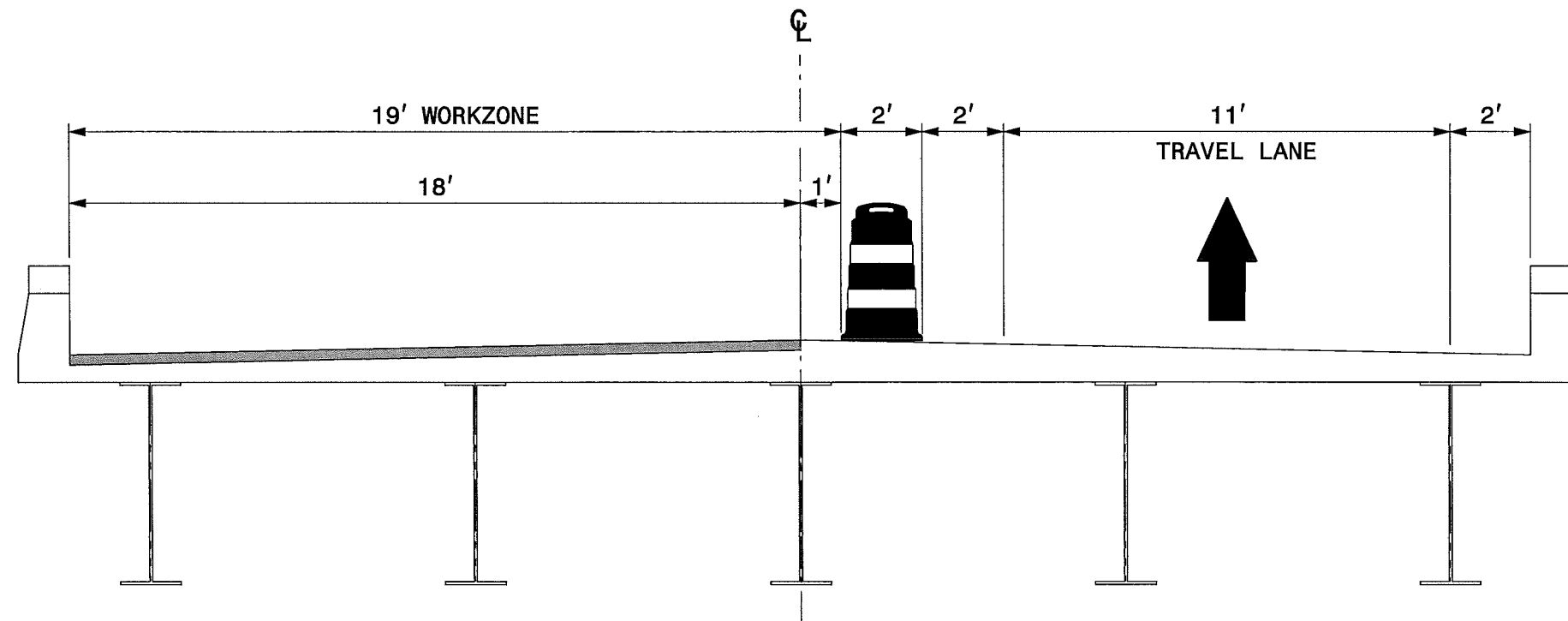
AVERY CO. - BRIDGE **04**
PROJECT VICINTY MAP

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REVISIONS



TYPICAL SECTION - STAGE I



TYPICAL SECTION - STAGE II

PROJ. REFERENCE NO.	SHEET NO.
BP-5300T	TMP-4
HDR Engineering, Inc. of the Carolinas N.C.B.E.L.S. License Number: P-0116 3733 National Drive, Suite 207 Raleigh, N.C. 27612	

TRAFFIC CONTROL STAGING NOTES:

STAGE 1:

STEP 1: USE TMP-4 AND STANDARD DRAWING 1101.02, SHEET 1 OF 9, TO PLACE ADVANCED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

STEP 2: COMPLETE BRIDGE WORK

STEP 3: REPLACE ANY EXISTING PAVEMENT PARKINGS THAT WERE OBLITERATED DURING CONSTRUCTION WITH 2 LAYERS OF PAINT.

STEP 4: REMOVE ALL TRAFFIC CONTROL DEVICES, COVER OR REMOVE ALL ADVANCED TRAFFIC CONTROL SIGNS, AND RETURN TRAFFIC TO ITS EXISTING PATTERN.

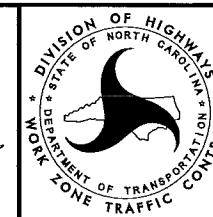
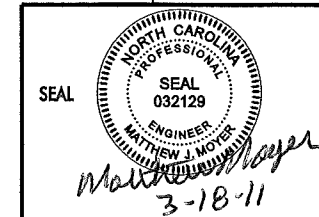
STAGE 2:

STEP 1: USE TMP-5 AND STANDARD DRAWING 1101.02, SHEET 1 OF 9, TO PLACE ADVANCED WARNING SIGNS AND TRAFFIC CONTROL DEVICES.

STEP 2: COMPLETE BRIDGE WORK

STEP 3: REPLACE ANY EXISTING PAVEMENT PARKINGS THAT WERE OBLITERATED DURING CONSTRUCTION WITH 2 LAYERS OF PAINT.

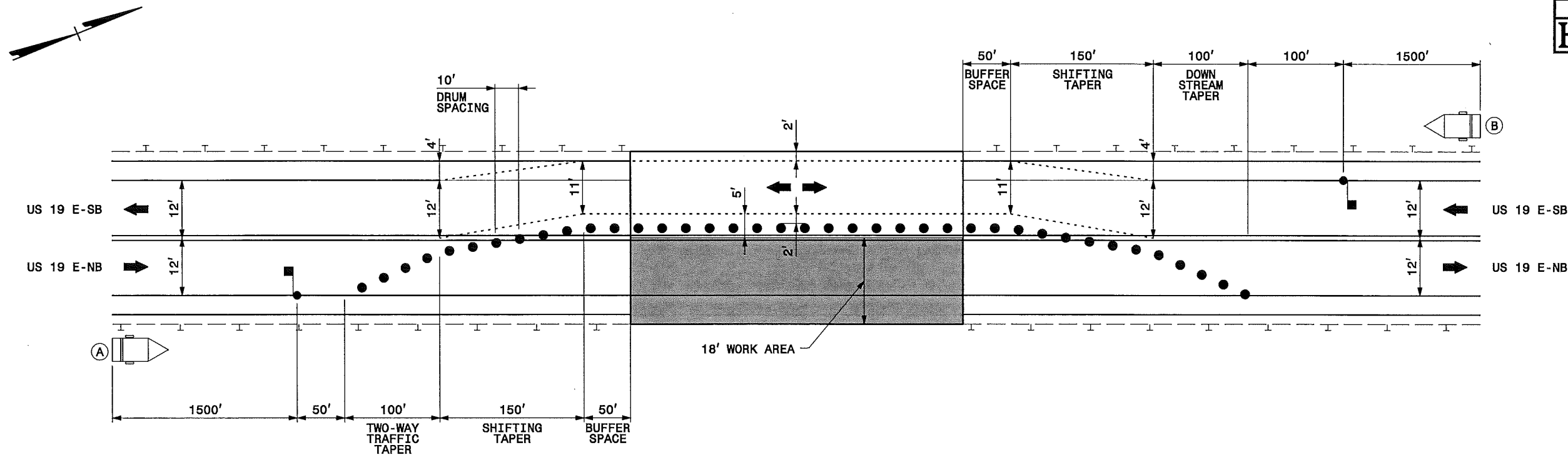
STEP 4: REMOVE ALL TRAFFIC CONTROL DEVICES, COVER OR REMOVE ALL ADVANCED TRAFFIC CONTROL SIGNS, AND RETURN TRAFFIC TO ITS EXISTING PATTERN.



AVERY CO. - BRIDGE 04
TRAFFIC CONTROL STAGING

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REVISIONS



PROJ. REFERENCE NO.	SHEET NO.
BP-5300T	TMP-5
HDR Engineering, Inc. of the Carolinas N.C.B.E.L.S. License Number: F-0116 3733 National Drive, Suite 207 Raleigh, N.C. 27612	

STAGE 1 NOTES:

STEP 1: USE STANDARD DRAWING 1101.02, SHEET 1 OF 9, TO PLACE ADVANCED WARNING SIGNS AND TRAFFIC CONTROL DEVICES. USE CMS SIGNS INSTEAD OF W20-4 SIGNS (SEE STANDARD DRAWING 1101.02, SHEET 1 OF 9).

STEP 2: COMPLETE BRIDGE WORK.

STEP 3: REPLACE ANY EXISING PAVEMENT PARKINGS THAT WERE OBLITERARED DURING CONSTRUCTION WITH 2 LAYERS OF PAINT.

STEP 4: REMOVE ALL TRAFFIC CONTROL DEVICES, COVER OR REMOVE ALL ADVANCED TRAFFIC CONTROL SIGNS, AND RETURN TRAFFIC TO ITS EXISTING PATTERN.

MESSAGE NO. 1	MESSAGE NO. 2
ONE LANE ROAD AHEAD	BRIDGE WORK AHEAD
CHANGEABLE MESSAGE SIGN	

MESSAGE NO. 1	MESSAGE NO. 2
ONE LANE ROAD AHEAD	BRIDGE WORK AHEAD
CHANGEABLE MESSAGE SIGN	

SEAL

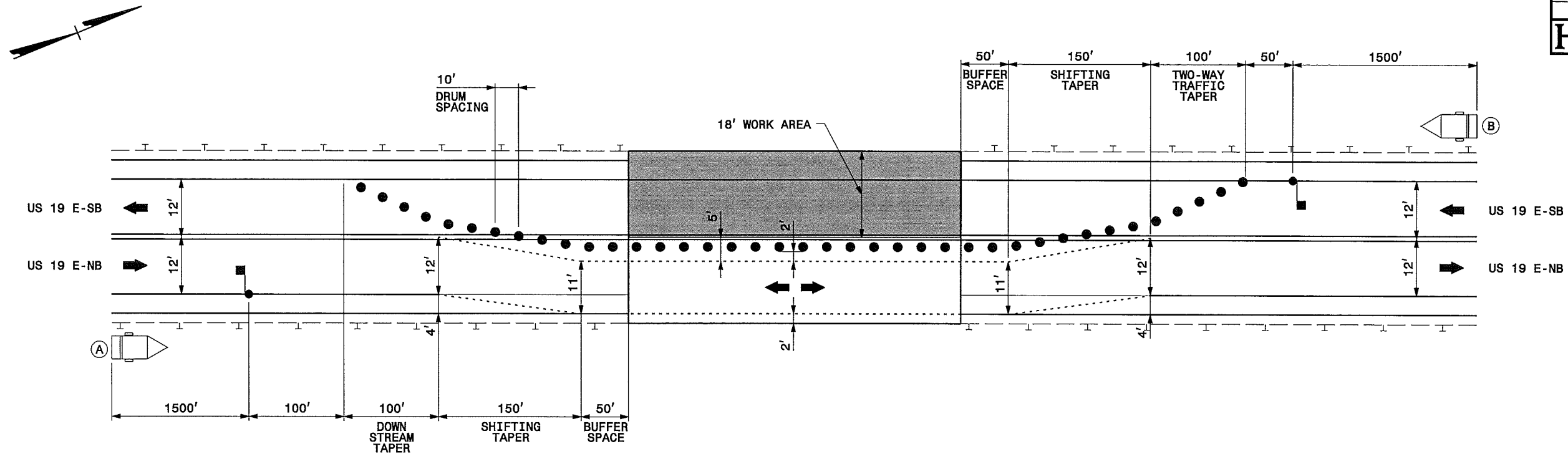
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 032129
MATTHEW MOYER
3-18-11

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

04
AVERY CO. - BRIDGE
TRAFFIC CONTROL DETAIL
STAGE 1

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REVISIONS



STAGE 2 NOTES:

STEP 1: USE STANDARD DRAWING 1101.02, SHEET 1 OF 9, TO PLACE ADVANCED WARNING SIGNS AND TRAFFIC CONTROL DEVICES. USE CMS SIGNS INSTEAD OF W20-4 SIGNS (SEE STANDARD DRAWING 1101.02, SHEET 1 OF 9).



STEP 2: COMPLETE BRIDGE WORK.

STEP 3: REPLACE ANY EXISTING PAVEMENT PARKINGS THAT WERE OBLITERATED DURING CONSTRUCTION WITH 2 LAYERS OF PAINT.

STEP 4: REMOVE ALL TRAFFIC CONTROL DEVICES, COVER OR REMOVE ALL ADVANCED TRAFFIC CONTROL SIGNS, AND RETURN TRAFFIC TO ITS EXISTING PATTERN.

MESSAGE NO. 1	MESSAGE NO. 2
ONE LANE ROAD AHEAD	BRIDGE WORK AHEAD
CHANGEABLE MESSAGE SIGN	

MESSAGE NO. 1	MESSAGE NO. 2
ONE LANE ROAD AHEAD	BRIDGE WORK AHEAD
CHANGEABLE MESSAGE SIGN	

 Matthew J. Moyer 3-18-11		04 AVERY CO. - BRIDGE TRAFFIC CONTROL DETAIL STAGE 2
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