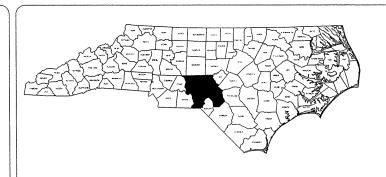
00 *17BP*.8 **PROJEC**

C202973

NO: CONTRACT



STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

LOCATION: RICHMOND COUNTY:

BRIDGE #11 ON SR 1124 OVER US 220 BRIDGE #25 ON US 220, OVER SCL RR

BRIDGE #35 & #36 ON US 220 NBL/SBL OVER HITCHCOCK CREEK.

MOORE COUNTY:

BRIDGE #5 ON NC 705 OVER BEAR CREEK BRIDGE #72 ON NC 22 OVER DEEP CREEK BRIDGE #76 ON SR 1419 OVER BEAR CREEK

MONTGOMERY COUNTY:

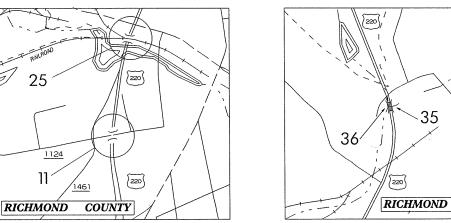
BRIDGE #6 ON NC 731 OVER PEE DEE RIVER

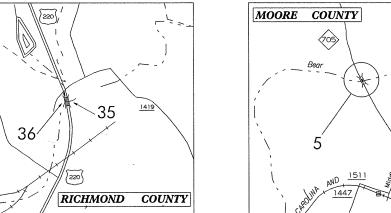
BRIDGE #237 ON SR 1187

HOKE COUNTY:

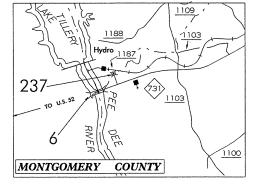
BRIDGE #3 ON US 401 OVER ABERDEEN AND ROCKFISH RAILROAD & NC 211

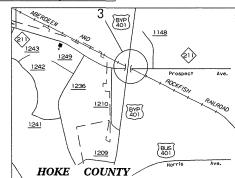
TYPE OF WORK: BRIDGE PRESERVATION-CLEANING & PAINTING OF EXISTING STRUCTURE AND BEARING REPLACEMENT OF (BRIDGE #72).



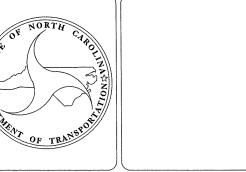


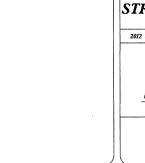
1462 Highfolls Highfolls
1419 1419 1419 1497 1506, 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1419
1484
MOORE COUNTY

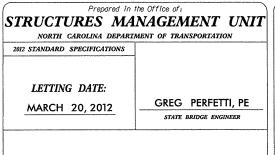


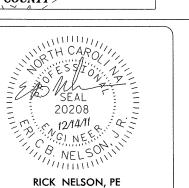












STATE	STATE F	ROJECT REPERENC	E NO.	SHEET NO.	TOTAL SHEETS
N.C.	17	BP.8.P.1		1	
STATE PRO	JECT NO.	F. A. PROJ. NO.		DESCRIPT	rion
17BP.8.	P.1	N/A		PE	
17BP.8.	P.1	N/A		CONS'	ΓR
			-		
			_		



TIP PROJECT: 17BP.8.P.1

CONTRACT NO: C202973

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

LOCATION: RICHMOND COUNTY:

BRIDGE #11 ON SR 1124 OVER US 220 BRIDGE #25 ON US 220, OVER SCL RR

BRIDGE #35 & #36 ON US 220 NBL/SBL OVER HITCHCOCK CREEK.

MOORE COUNTY:

BRIDGE #5 ON NC 705 OVER BEAR CREEK BRIDGE #72 ON NC 22 OVER DEEP CREEK BRIDGE #76 ON SR 1419 OVER BEAR CREEK

MONTGOMERY COUNTY:

BRIDGE #6 ON NC 731 OVER PEE DEE RIVER

BRIDGE #237 ON SR 1187

HOKE COUNTY:

BRIDGE #3 ON US 401 OVER ABERDEEN AND ROCKFISH RAILROAD & NC 211

TYPE OF WORK: BRIDGE PRESERVATION-CLEANING & PAINTING

OF EXISTING STRUCTURE AND BEARING REPLACEMENT OF (BRIDGE #72).

INDEX OF SHEETS

SHT#

DESCRIPTION

1

TITLE SHEET

1A

INDEX OF SHEETS

2

SUMMARY OF QUANTITIES

S1 THRU S5

EXISTING STRUCTURE PLANS

TMP-1 THRU TMP-2

TRAFFIC MANAGEMENT PLANS

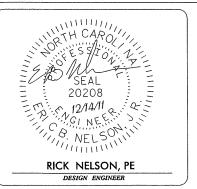


STRUCTURES MANAGEMENT UNIT
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

2012 STANDARD SPECIFICATIONS

LETTING DATE:
MARCH 20, 2012

GREG PERFETTI, PE
STATE BRIDGE ENGINEER



STATE

STATE PROJECT NO.

17BP.8.P.1

17BP.8.P.1

N.C

STATE PROJECT REFERENCE NO. SHEET TOTAL SHEETS

1A

DESCRIPTION

PE CONSTR

17BP.8.P.1

F. A. PROJ. NO.

N/A N/A

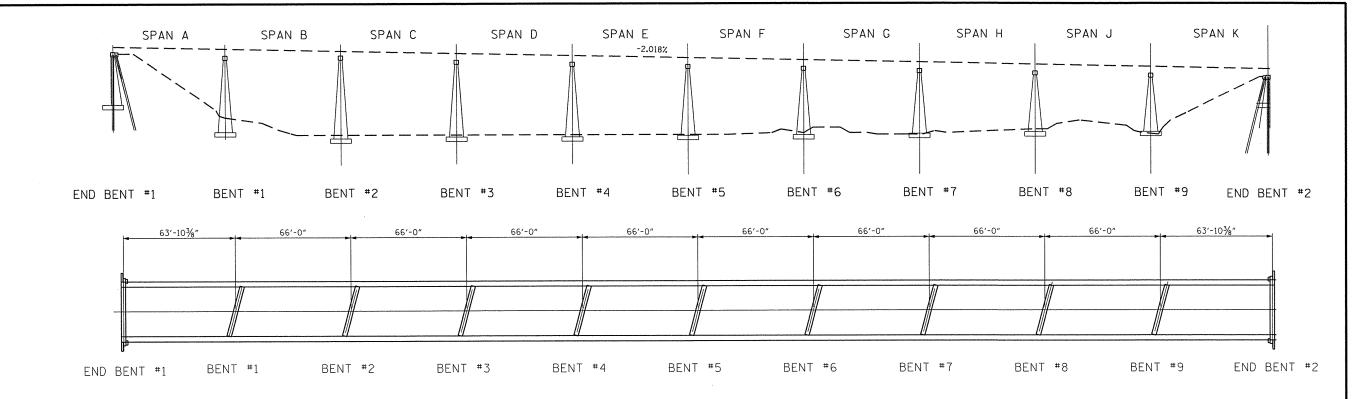
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF QUANTITIES

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
ROADWAY SUMMARY OF QUANTITIES FOR CONTRACT - C202973

ItemNumber	Sec #	Quantity	Unit	TIES FOR CONTRACT - C202973 Description	
ter til den betærer gjerg i gig sammen betære en faller en til flette en blikke en blikke en blikke en blikke					
0000100000-N	800	Lump Sum		MOBILIZATION	
4405000000-E	1110	224	SF	WORK ZONE SIGNS (PORTABLE)	
4415000000-N	1115	2	EA	FLASHING ARROW BOARD	
4422000000-N	1120	24	DAY	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	
4430000000-N	1130	25	EA	DRUMS	
4435000000-N	1135	23	EA	CONES	
4450000000-N	1150	320	HR	FLAGGER	
4480000000-N	1165	1	EA	TMA	
8657000000-N	430	Lump Sum		ELASTOMERIC BEARINGS	
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #460003	
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #610006	
886000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #610237	
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #620005	
886000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #620072	
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #620076	
886000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #760011	
886000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #760025	
886000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #760035	
886000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING BRIDGE #760036	
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM POLLUTION CONTROL	

ItemNumber	Sec #	Quantity	Unit	Description
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM SPAN JACKING BRIDGE #620072



	TOTAL BILL OF MATERIAL												
	ELASTOMERIC BEARINGS P1, P2, P3, P4, P5, P6, P7 & P8 MOORE BRIDGE #72		CLEANING & REPAINTING HOKE BRIDGE #3	CLEANING & REPAINTING MONTGOMERY BRIDGES #6	CLEANING & REPAINTING MONTGOMERY BRIDGES # 237	CLEANING & REPAINTING MOORE BRIDGE #5	CLEANING & REPAINTING MOORE BRIDGE #76	CLEANING & REPAINTING RICHMOND BRIDGE #11,	CLEANING & REPAINTING RICHMOND BRIDGE #25	CLEANING & REPAINTING RICHMOND BRIDGE #35	CLEANING & REPAINTING RICHMOND BRIDGE #36	POLLUTION CONTROL	SPAN JACKING MOORE BRIDGE #72
LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	EACH
LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM	LUMP SUM

ELASTOMERIC BEARING BRIDGE #72					
		NO.			
P1	* ELASTOMERIC PAD AND SOLE PLATE	23			
	ANCHOR BOLTS TOP PLATE	46			
P2	* ELASTOMERIC PAD AND SOLE PLATE	8			
	ANCHOR BOLTS TOP PLATE	16			
P3	*ELASTOMERIC PAD AND SOLE PLATE	27			
	54				
P4	* ELASTOMERIC PAD AND SOLE PLATE	9			
	ANCHOR BOLTS	18			

ELASTOMERIC BEARING BRIDGE #72					
		NO.			
P5	* ELASTOMERIC PAD AND SOLE PLATE	2			
	ANCHOR BOLTS TOP PLATE	4			
P6	1				
	ANCHOR BOLTS TOP PLATE	2			
P7	*ELASTOMERIC PAD AND SOLE PLATE	1			
	ANCHOR BOLTS	2			
P8	*ELASTOMERIC PAD AND SOLE PLATE	1			
	ANCHOR BOLTS	2			

* STEEL SOLE PLATE VULCANIZE BONDED TO ELASTOMER.

	BEWINDIA	SHEET NO
	31, 11,322	
-	BRIDGE OVER DEEP ON NC22	RIVER
	FOR	`
	FRAMING PLAN	J
	RALEIGH	

PROJECT NO. ___17BP.8.P.1

COUNTY: ______ STATION: _____ BRIDGE NO.

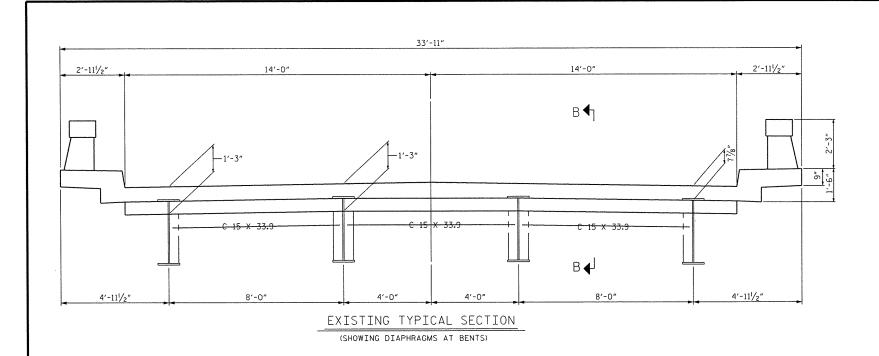
REVISIONS

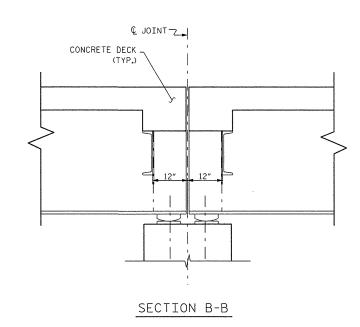
MO. BY DATE NO. BY DATE

1 3 5 TOTAL SHEETS

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

DRAWN BY: MW DATE: 1/11 CHECKED BY: AGA DATE: 7/11





GENERAL NOTES:

EXISTING BRIDGE AND REPAIR DETAILS INDICATED ON THE PLANS ARE FROM THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE AND REPAIR DETAILS SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO VERIFY INFORMATION SHOWN ON THESE PLANS AND SHALL OBTAIN ALL OTHER EXISTING BRIDGE DATA NECESSARY FOR THE EXECUTION OF THE WORK.

THE CONTRACTOR TO PROVIDE BLOCKING FOR ALL JACKS AS NECESSARY. A BLOCKING PLAN SHALL BE SUBMITTED FOR ALL SPANS LIFTED FOR APPROVAL BY THE ENGINEER.

THE CONTRACTOR SHALL MONITOR THE PLAN LOCATION OF THE GIRDERS FROM INITIAL JACKING UNTIL GIRDERS ARE SECURED ON THEIR PERMANENT BEARINGS. IF THE PLAN LOCATION OF THESE GIRDERS SHIFT FROM ITS ORIGINAL POSITION. ALL WORK SHALL CEASE AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

PRIOR TO JACKING THE CONTRACTOR SHALL ENSURE THERE ARE NO OBSTACLES PREVENTING THE SPAN FROM BEING LIFTED.

PRIOR TO JACKING THE SPANS, LOCATE THE APPROXIMATE POSITION OF THE ANCHOR BOLT HOLES ON EACH CAP USING A PACHOMETER, CHECK THE CAP FOR MAIN REINFORCING STEEL INTERFERENCE WITH THE HOLES. IF NECESSARY, ADJUST THE HOLE LOCATIONS SLIGHTLY TO AVOID REINFORCING STEEL AND MARK THE LOCATIONS, DRILL THE HOLES AND CLEAN IN ACCORDANCE WITH THE SPECIAL PROVISION "ADHESIVELY ANCHORED ANCHOR BOLTS". CLEAN THE CAP OF DEBRIS.

SEE SPECIAL PROVISIONS FOR "SPAN JACKING".

REPLACE BEARINGS AS INDICATED ON THE FRAMING PLAN.

WELDING SOLE PLATES AND ANCHOR BOLT INSTALLATION SHALL BE PERFORMED WITHIN 24 HOURS OF SPAN JACKING.

UPON REMOVAL OF EXISTING BEARINGS, CLEAN THE CAP AND REMOVE ANY EPOXY COATING FROM THE AREA WHERE THE NEW BEARING WILL REST.

GRIND SURFACES OF THE SOLE PLATES THAT HAVE BEEN GALVANIZED IN AND AROUND THE AREA OF THE PLATE THAT IS TO BE WELDED.

SOLE PLATE WELDS SHALL BE MADE IN ONE PASS USING A MAXIMUM 1/8" ELECTRODE, AND THEN ALLOWED TO COOL BEFORE MAKING ANOTHER PASS. APPLY TWO COATS OF ZINC-RICH PAINT TO THE WELDED AREAS AND ANY DAMAGED AREAS IN ACCORDANCE WITH THE SPECIFICATION.

INSTALL BOLTS USING APPROVED ADHESIVE BONDING AGENT.

SEE SPECIAL PROVISIONS "FOR ADHESIVELY ANCHORED ANCHOR.

REAPPLY EPOXY COATING TO CAP IF, AFTER THE BEARING IS INSTALLED, UNCOATED PORTIONS OF THE CAP AREA AROUND THE BEARING ARE EXPOSED OR PORTIONS OF THE EXISTING FPOXY ARE DAMAGED

ALL WORK SHALL BE PERFORMED SO AS NOT TO ALLOW DEBRIS TO FALL INTO THE WATER. THE CONTRACTOR SHALL SUBMIT PLANS FOR REMOVAL AND REPAIR IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

ALL WELDING TO BE DONE IN ACCORDANCE WITH THE AWSD1.5, BRIDGE WELDING CODE".

INSPECTION OF WELDS WILL BE PERFORMED BY NCDOT.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISION.

CLEAN AND PAINT STRUCTURAL STEEL. FOR PAINTING EXISTING STRUCTURAL STEEL SEE "PAINTING EXISTING STRUCTURES" SPECIAL PROVISIONS. PROJECT NO. 17BP.8.P.1

COUNTY: MOORE

STATION:

BRIDGE NO. 72

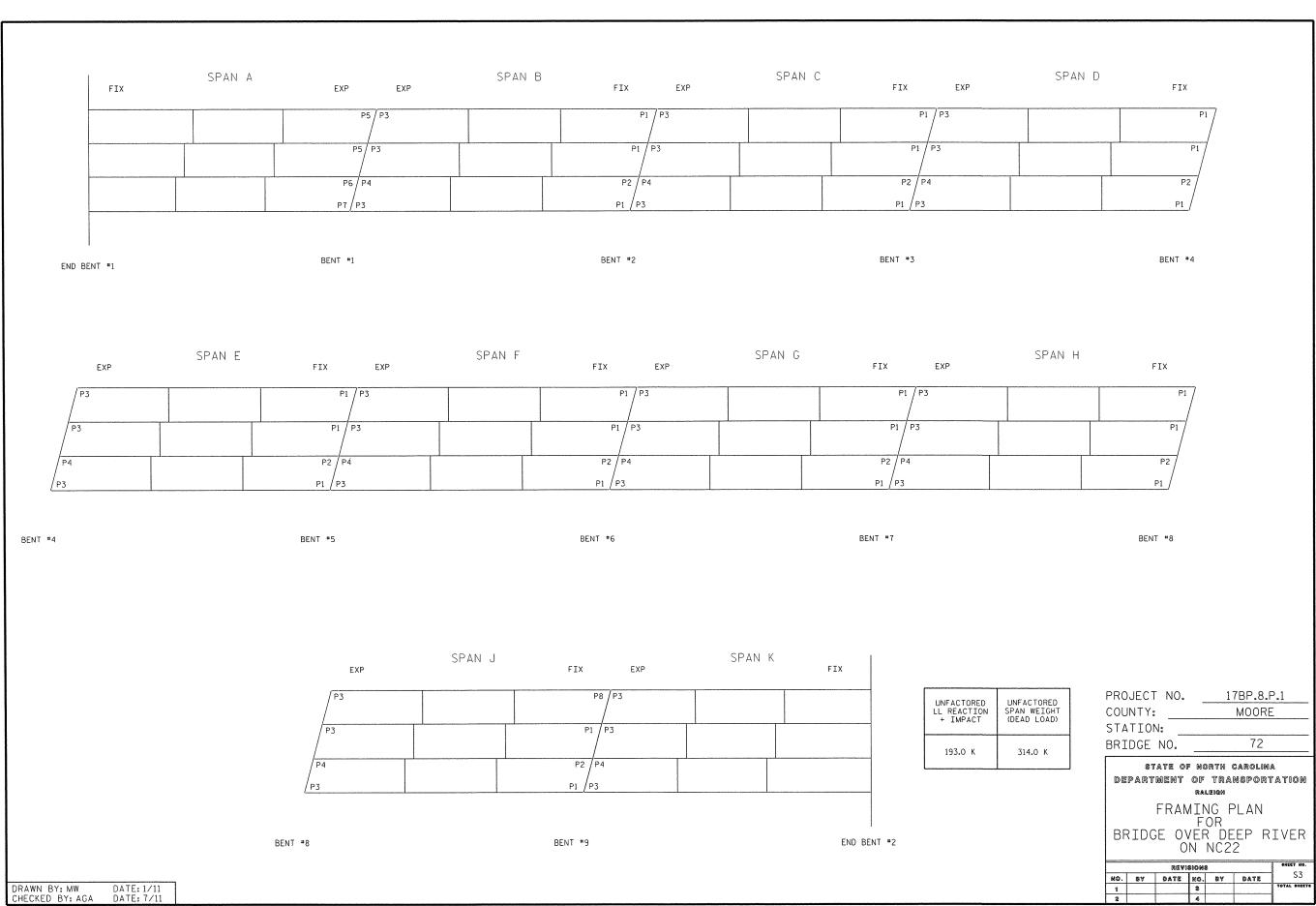
STATE OF MORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGN

TYPICAL SECTION

BRIDGE OVER DEEP RIVER ON NC22

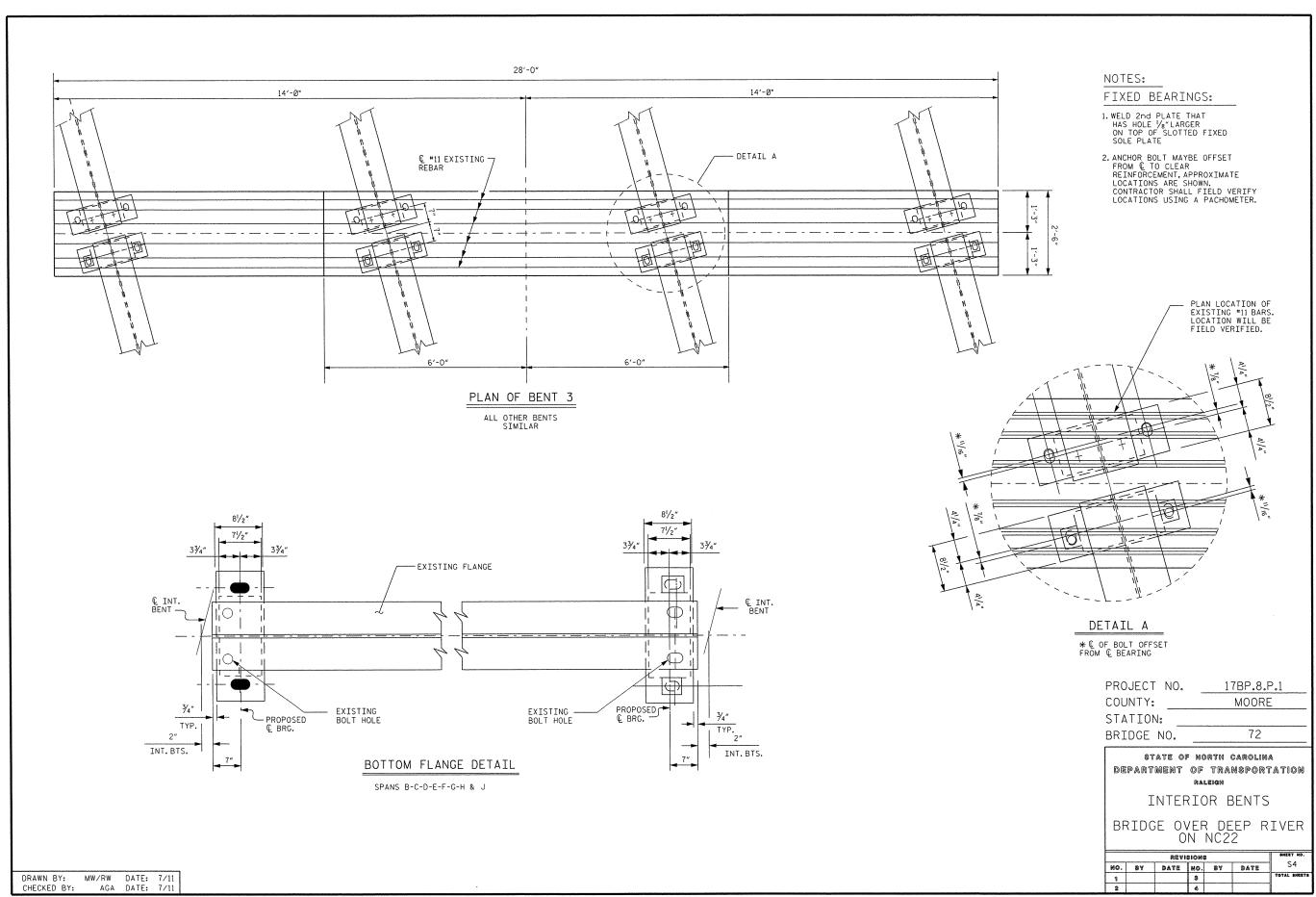
SHEET NO.	revisions									
52	DATE	87	NO.	DATE	84	NO.				
TOTAL SKEETS			3			3				
			43			2				

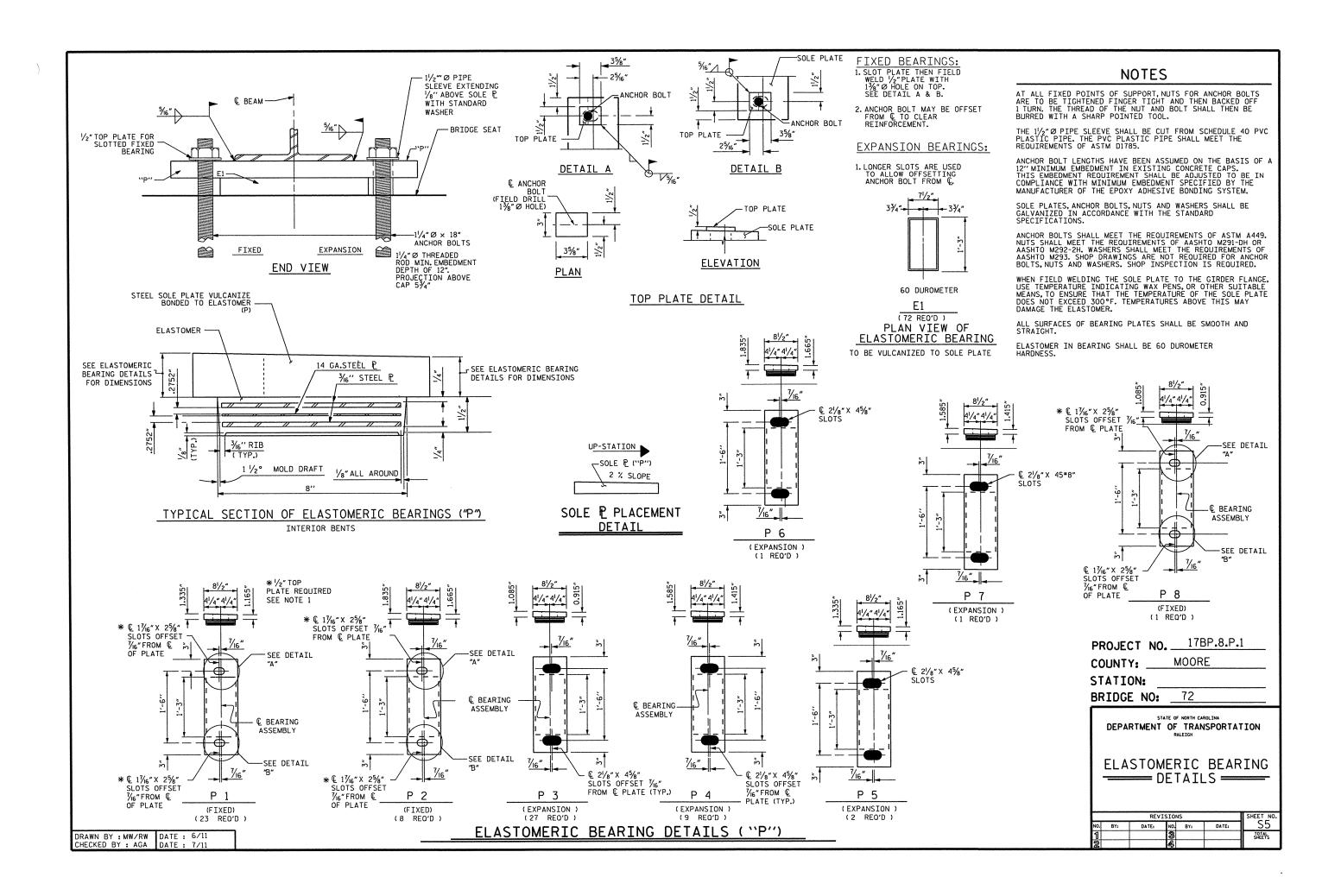
DRAWN BY: MW DATE: 7/11 CHECKED BY: AGA DATE: 7/11



eldon

16-DEC-2011 13:57





TRANSPORTATION MANAGEMENT PLAN

HOKE, MONTGOMERY, MOORE, & RICHMOND COUNTIES

DIVISION 8



BRIDGE PAINTING

HOKE BRIDGE #3 - US 401 OVER NC 211/SR 1313/ROCK FISH RD.

MONTGOMERY BRIDGE #237 – SR 1187 OVER CLARKS CREEK MONTGOMERY BRIDGE #6 – NC 731 OVER PEE DEE RIVER

MOORE BRIDGE #5 – NC 705 OVER BEAR CREEK MOORE BRIDGE #72 – NC 22 OVER DEEP RIVER MOORE BRIDGE #76 – SR 1419 OVER BEAR CREEK

RICHMOND BRIDGE #11 – SR 1124 OVER US 220 RICHMOND BRIDGE #25 – US 220 OVER SCL RAILROAD RICHMOND BRIDGE #35 – US 220 NBL OVER HITCHCOCK CREEK RICHMOND BRIDGE #36 – US 220 SBL OVER HITCHCOCK CREEK

INDEX OF SHEETS

TMP-1

SHEET NO.

TITLE

TMP-1 TITLE SHEET AND INDEX OF SHEETS

TMP-1A LEGEND AND LIST OF ROADWAY STANDARD DRAWINGS

TMP-2 GENERAL NOTES & PHASING

WBS 17BP.8.P.1

TRAFFIC MANAGEMENT STRATEGY

PROPOSED BRIDGE WORK WILL BE PERFORMED USING TIME RESTRICTED LANE CLOSURES.



PLAN PREPARED FOR NCDOT BRIDGE MANAGEMENT UNIT
RALEIGH, NC





PLAN PREPARED BY: Stantec Consulting Servic 801 Jones Franklin Road-Raleigh, NC 27606

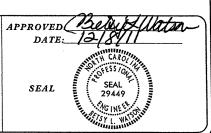
Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com

BETSY L. WATSON, P.E.

TRAFFIC ENGINEER

KELLIE WIESKAMP, E.I.

TRANSPORTATION DESIGNE



LEGEND

DIRECTION OF TRAFFIC FLOW

DIRECTION OF PEDESTRIAN TRAFFIC FLOW



WORK AREA



NORTH ARROW

TYPE III BARRICADE

▲ CONE

SKINNY DRUM
 ○ TUBULAR MARKER

CHANGEABLE MESSAGE SIGN (CMS)

AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)



FLASHING ARROW BOARD (TYPE C)

LAW ENFORCEMENT



TRUCK MOUNTED ATTENUATOR (TMA)



PORTABLE CONCRETE BARRIER (PCB)



── TEMPORARY CRASH CUSHION



TEMPORARY SHORING

WORK ZONE SIGN-PORTABLE

- WORK ZONE SIGN-STATIONARY

WORK ZONE SIGN-STATIONARY OR PORTABLE

SIGNALS







TEMPORARY

PAVEMENT MARKINGS

EXISTING PAVEMENT MARKING (GRAY)

- SKIP LINES

- - - - - MINI-SKIP LINES ----- SOLID LINES

PAVEMENT MARKING SYMBOLS



PAVEMENT MARKING SYMBOLS



EXISTING PAVEMENT MARKING SYMBOLS (HOLLOW)



PAVEMENT MARKING ALPHANUMERIC CHARACTERS

PAVEMENT MARKERS

CRYSTAL/CRYSTAL



♦ YELLOW/YELLOW

PROJ. REFERENCE NO.	SHEET NO.
17BP.8.P.1	TMP-1A

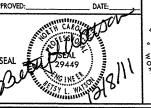
ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" -PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1150.01	FLAGGING DEVICES



Stantec Consulting Services Inc 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6866 Fax. (919) 851-7024





LEGEND

& ROADWAY STANDARD DRAWINGS THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY

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 OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

LANE CLOSURE TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME

DAY AND TIME RESTRICTIONS

ALL ROADS

6:00 A.M.-9:00 A.M. MONDAY THRU FRIDAY 4:00 P.M.-7:00 P.M. MONDAY THRU FRIDAY

HOLIDAY & HOLIDAY WEEKEND LANE CLOSURE TIME RESTRICTIONS

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND HOLIDAY WEEKENDS AS FOLLOWS:

ROAD NAME

ALL ROADS

- 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 6:00 A.M. DECEMBER 31st TO 7:00 P.M. JANUARY 2nd. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 7:00 P.M. MONDAY.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY
 BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE DAY AFTER INDEPENDENCE DAY.
 IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY; THEN
 BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY
 AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 7:00 P.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- C) LANE CLOSURES ARE REQUIRED WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN ANY PORTION OF A TRAVEL LANE. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- D) INSTALL ALL LANE CLOSURES ACCORDING TO THE PLANS, ROADWAY STANDARD DRAWINGS (1101.02), OR AS DIRECTED BY THE ENGINEER.
- E) 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. COVER OR LAY DOWN SIGNS, AND TURN OFF ARROW BOARDS AND MESSAGE BOARDS.
- F) 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.
- G) 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 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- H) 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 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

MISCELLANEOUS

- I) ALL DIMENSIONS AND STATIONS IN THE TRAFFIC MANAGEMENT PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- J) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 733-4740 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.

PROJ. REFERENCE NO.	SHEET NO.
17BP.8.P.1	TMP-2

PHASING

HOKE COUNTY BRIDGE #3

PERFORM WORK FROM BELOW BRIDGE USING FLAGGER CONTROLLED LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15. IN THE EVENT LANE CLOSURES ARE NEEDED FOR SECURITY CONTAINMENT ON TOP OF THE BRIDGE, USE FLAGGER CONTROLLED LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15.

MONTGOMERY COUNTY BRIDGES #6 & 237

PERFORM WORK FROM BELOW BRIDGE. IN THE EVENT LANE CLOSURES ARE NEEDED FOR SECURITY CONTAINMENT ON TOP OF THE BRIDGE, USE FLAGGER CONTROLLED LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15.

MOORE COUNTY BRIDGES #5, 72, & 76

PERFORM WORK FROM BELOW BRIDGE. IN THE EVENT LANE CLOSURES ARE NEEDED FOR SECURITY CONTAINMENT ON TOP OF THE BRIDGE, USE FLAGGER CONTROLLED LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15.

RICHMOND COUNTY BRIDGE #11

PERFORM WORK FROM BELOW BRIDGE USING LEFT AND RIGHT LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 15 OR SHEET 6 OF 15. IN THE EVENT LANE CLOSURES ARE NEEDED FOR SECURITY CONTAINMENT ON TOP OF THE BRIDGE, USE FLAGGER CONTROLLED LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 15. DO NOT INSTALL MORE THAN ONE LANE CLOSURE AT A TIME ON US 220.

RICHMOND COUNTY BRIDGES #25, 35, & 36

PERFORM WORK FROM BELOW BRIDGE. IN THE EVENT LANE CLOSURES ARE NEEDED FOR SECURITY CONTAINMENT ON TOP OF THE BRIDGE, USE LEFT OR RIGHT LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 15. DO NOT INSTALL MORE THAN ONE LANE CLOSURE AT A TIME ON US 220.

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GENERAL NOTES & PHASING