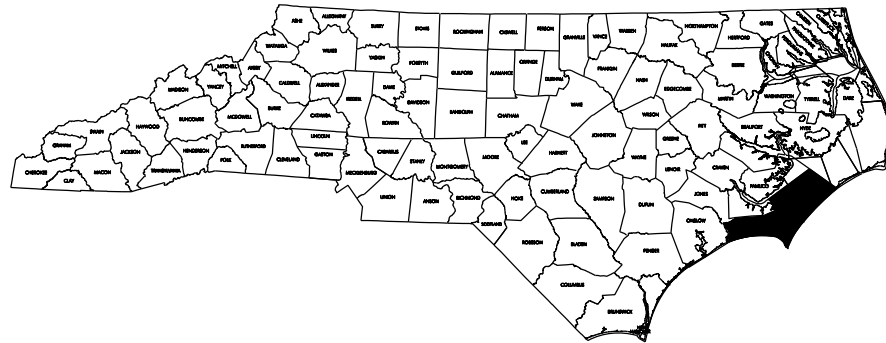
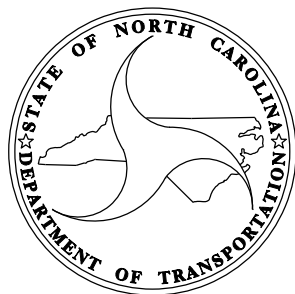


\$DATE\$
\$FILE\$

CONTRACT NO. D000080

PROJECT: BK-5102H

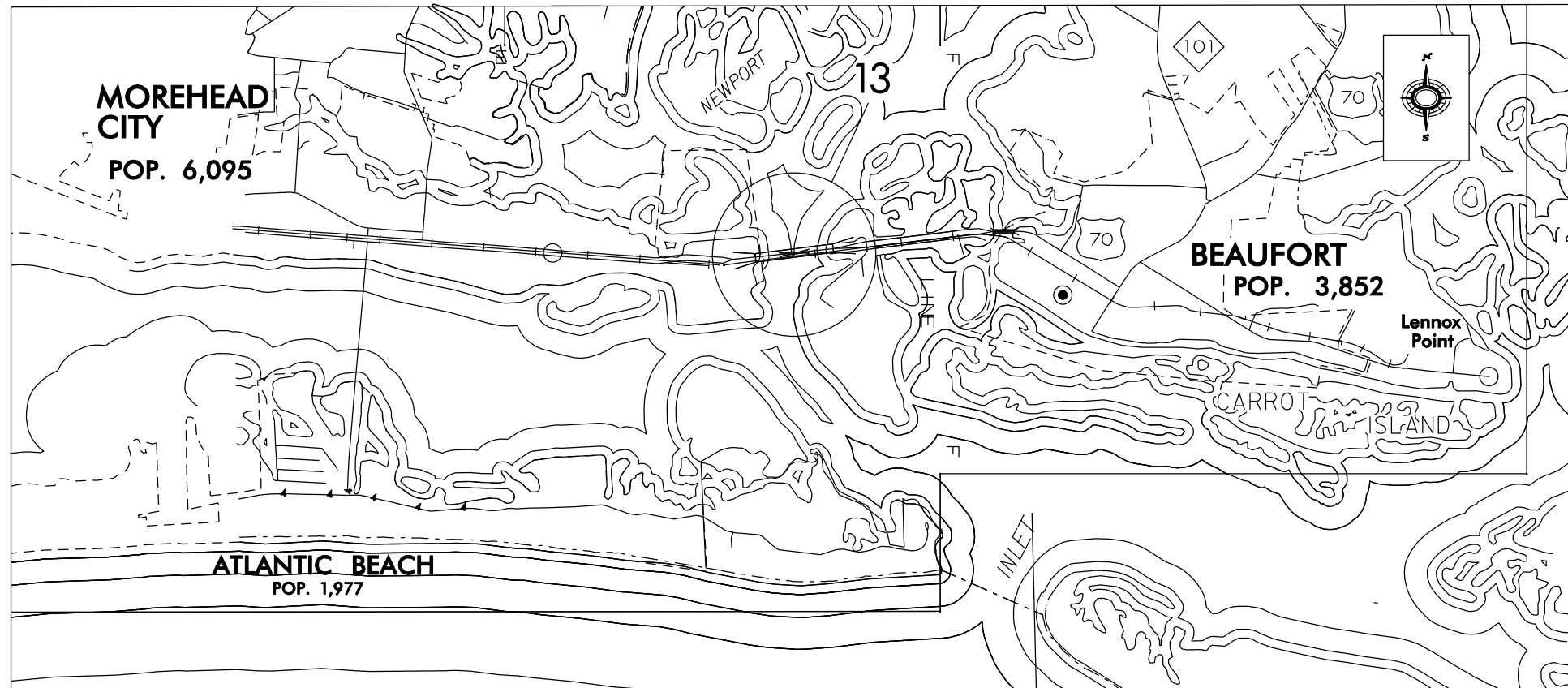


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CARTERET COUNTY

LOCATION: US 70 OVER NEWPORT RIVER
TYPE OF WORK: BRIDGE PRESERVATION – STRUCTURAL STEEL
REPAIRS & PAINTING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BK-5102H	1	
STATE PROJECT NO.	F.A. PROJ. NO.	DESCRIPTION	
42580.1.1	BRNHS-0070(141)	PE	
42580.3.8	BRNHS-0070(141)	CONSTR	



PROJECT LENGTH

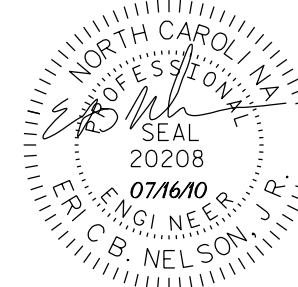
Prepared in the Office of:
BRIDGE MANAGEMENT UNIT
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

2006 STANDARD SPECIFICATIONS

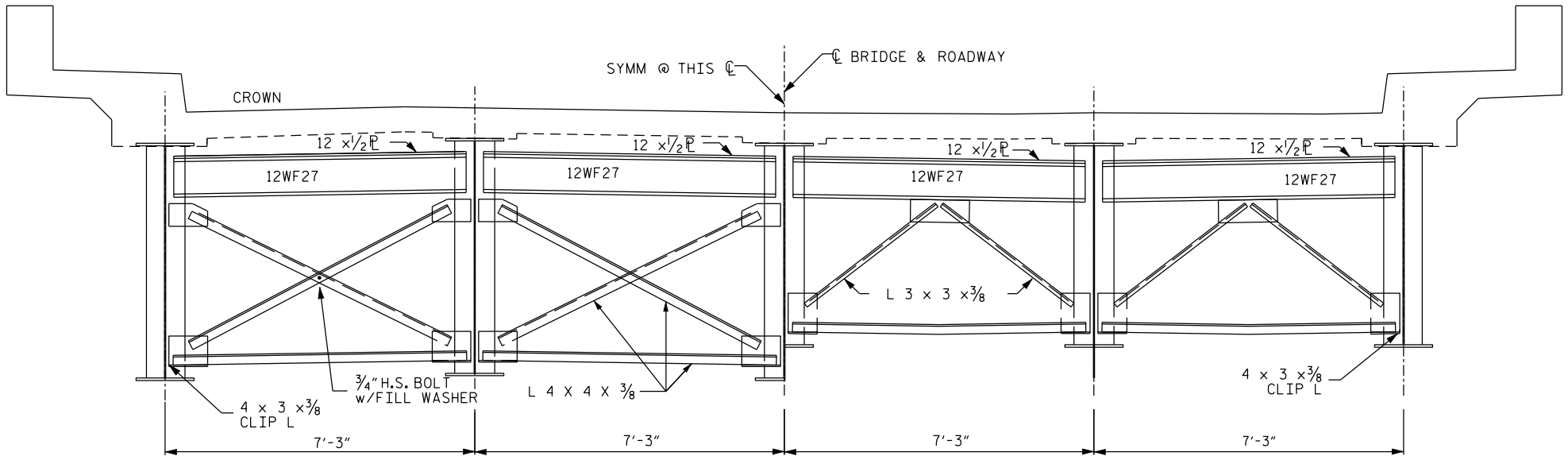
LETTING DATE:
AUGUST 19, 2010

DAN HOLDERMAN, PE
STATE BRIDGE
MANAGEMENT ENGINEER

MIKE SUMMERS
BRIDGE MANAGEMENT
PROJECT MANAGER

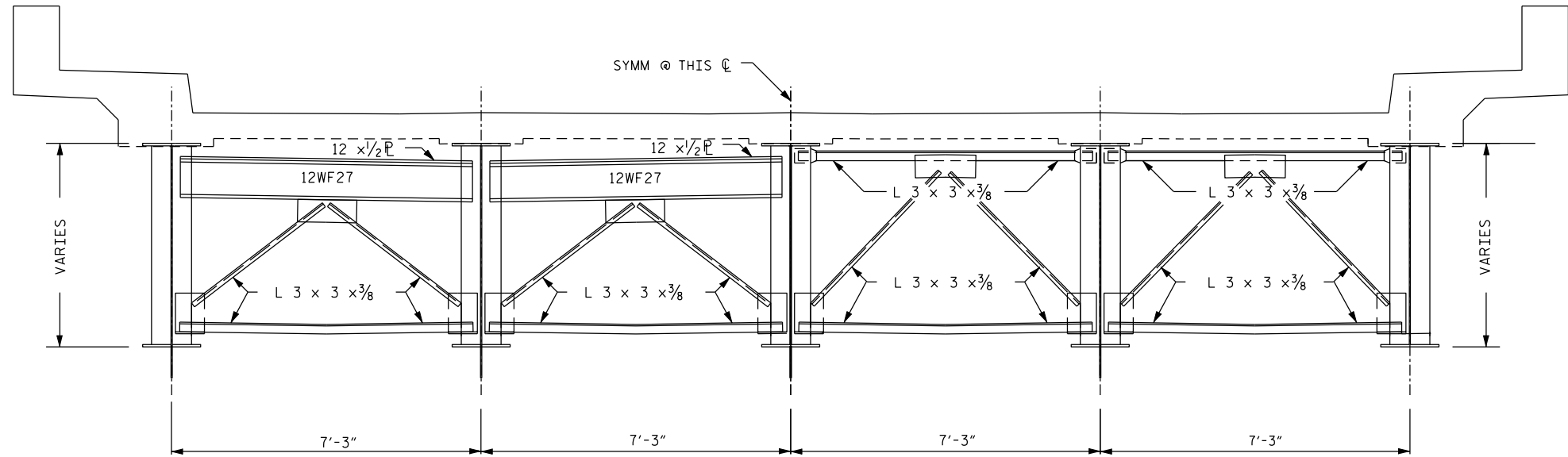


RICK NELSON, PE
DESIGN ENGINEER



HALF SECTION @ PANEL POINT 7

HALF SECTION @ PANEL POINT 1



HALF SECTION @ PANEL POINT 4 & 10

HALF SECTION @ PANEL POINT 2 3 5 6 8 9

NOTES

EXISTING BRIDGE AND REPAIR DETAILS INDICATED ON THE PLANS ARE FROM THE BEST INFORMATION AVAILABLE. SINCE THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR, 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.

REMOVAL AND REPAIR OF THE EXISTING PORTIONS OF THE BRIDGE 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.

INASMUCH AS THE PAINT SYSTEM ON THE EXISTING STRUCTURAL STEEL CONTAINS LEAD, THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLE 107-1 OF THE STANDARD SPECIFICATIONS. ANY COSTS RESULTING FROM COMPLIANCE WITH APPLICABLE STATE OR FEDERAL REGULATIONS PERTAINING TO HANDLING OF MATERIALS CONTAINING LEAD BASED PAINT SHALL BE INCLUDED IN THE BID PRICE FOR "CLEAN AND PAINT EXISTING STRUCTURE".

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

THE COST ASSOCIATED WITH WELDING THE STRUCTURAL STEEL REPAIR PLATES TO THE EXISTING GIRDERS SHALL BE INCLUDED IN THE BID PRICE FOR "STRUCTURAL STEEL REPAIR". SEE SPECIAL PROVISIONS.

ALL VISUAL AND NON DESTRUCTIVE WELD TESTING SHALL BE PERFORMED BY NCDOT.

STRUCTURAL STEEL REPAIR MATERIAL SHALL BE AASHTO M270 GRADE 50 AND PAINTED IN ACCORDANCE WITH SYSTEM 1 OF ARTICLE 442-7 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

EXISTING STRUCTURAL STEEL SHALL BE PAINTED IN ACCORDANCE WITH SYSTEM 1 OF ARTICLE 442-7 OF THE STANDARD SPECIFICATIONS. SEE SPECIAL PROVISIONS.

ALL DIMENSIONS SHOWN ARE HORIZONTAL OR VERTICAL, UNLESS OTHERWISE NOTED.

ALL FIELD CONNECTIONS TO BE 3/4" Ø HIGH STRENGTH BOLTS UNLESS OTHERWISE NOTED.

WHEN REPLACING CONNECTOR PLATES FOR DIAPHRAGM CONNECTIONS, THE REPLACEMENT CONNECTOR PLATES ARE TO BE PLACED NORMAL TO THE WEB OF THE GIRDER AND SHALL BE PLUMB.

TENSION ON THE AASHTO M164 BOLTS SHALL BE CALIBRATED USING DIRECT TENSION INDICATOR WASHERS IN ACCORDANCE WITH ARTICLE 440-8 OF THE STANDARD SPECIFICATIONS.

REPLACEMENT CONNECTOR PLATES REQUIRE COPING WHEN ANGLE SECTIONS ARE ADDED TO THE BOTTOM FLANGE. SEE DETAIL ON "REPAIR DETAILS" SHEET.

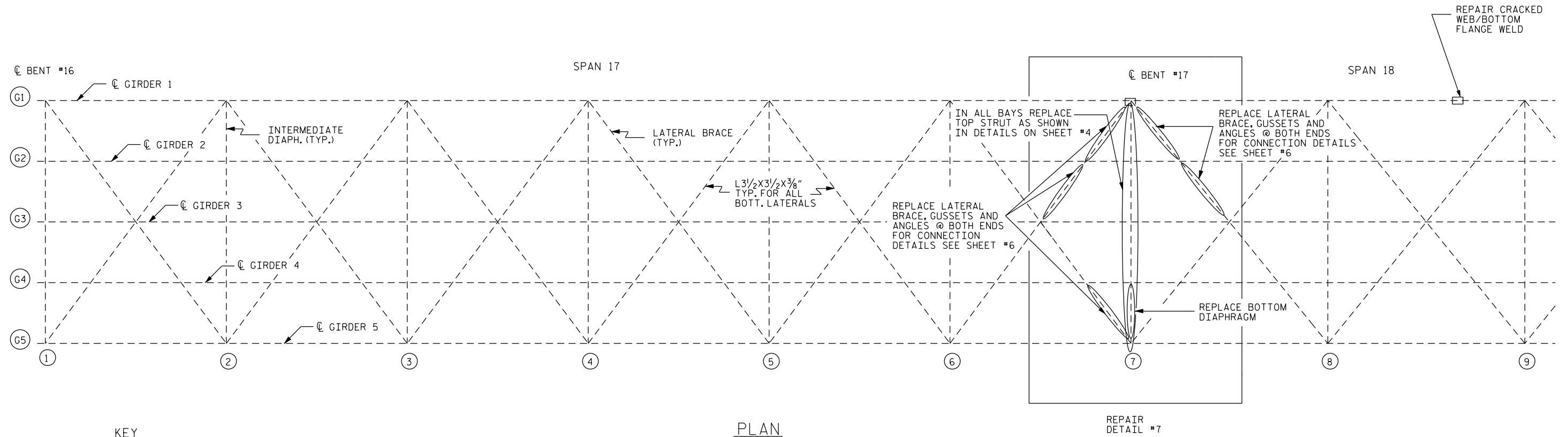
FOR HIGH STRENGTH BOLTS, SEE SPECIAL PROVISIONS.

THE COST OF LABOR, MATERIALS, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO REMOVE THE EXISTING DIAPHRAGMS, CONNECTOR PLATES, GUSSET PLATES, PORTIONS OF CONNECTOR PLATES AND ANY MISCELLANEOUS STEEL SHALL BE INCLUDED IN THE BID PRICE FOR "STRUCTURAL STEEL REPAIR".

TOTAL BILL OF MATERIAL	
PAY ITEM	QUANTITY
CLEAN AND PAINT EXISTING STRUCTURE (LS)	LS
CLEAN AND PAINT EXISTING BEARING (EA.)	20 EA.
STRUCTURAL STEEL REPAIR (APPROX. LBS.)	4,117 LBS.
UNDER STRUCTURE PLATFORM (LS)	LS
POLLUTION CONTROL (LS)	LS

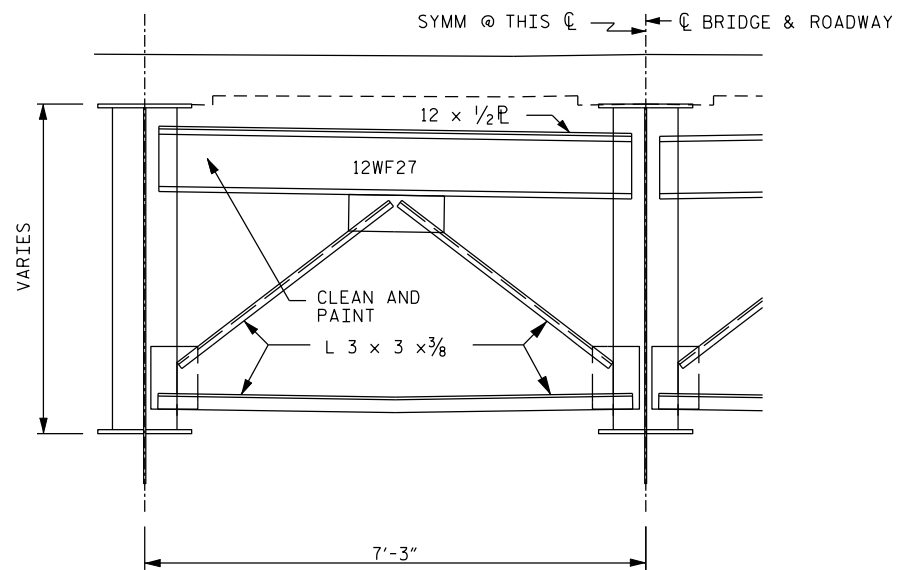
PROJECT NO. BK-5102H
COUNTY: CARTERET
STATION: N/A
BRIDGE NO. 13

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
TYPICAL SECTION					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO. S-2					TOTAL SHEETS

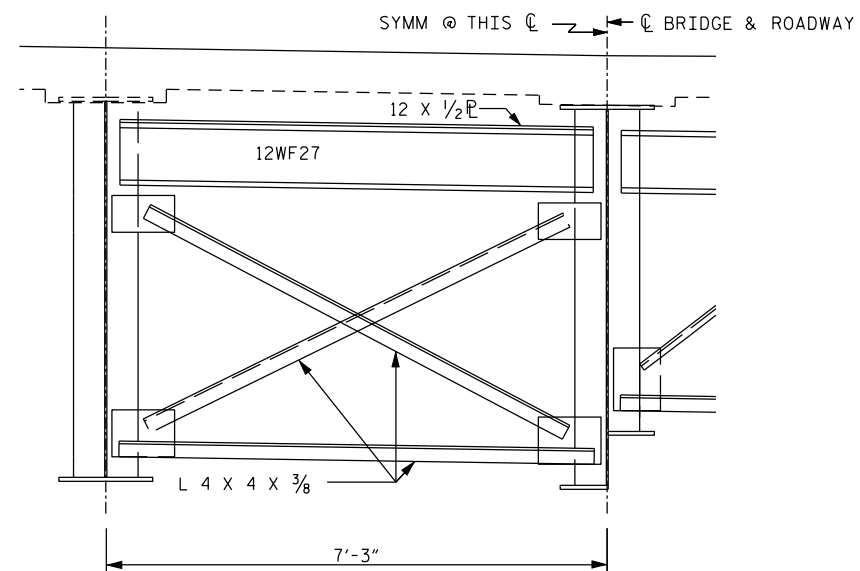


KEY

- G- GIRDER LINE
- # PANEL NUMBER



EXISTING DIAPHRAGM
AT PANEL POINT 4



EXISTING DIAPHRAGM
AT PANEL POINT 7 & 13

PROJECT NO. BK-5102H
COUNTY: CARTERET
STATION: N/A
BRIDGE NO. 13

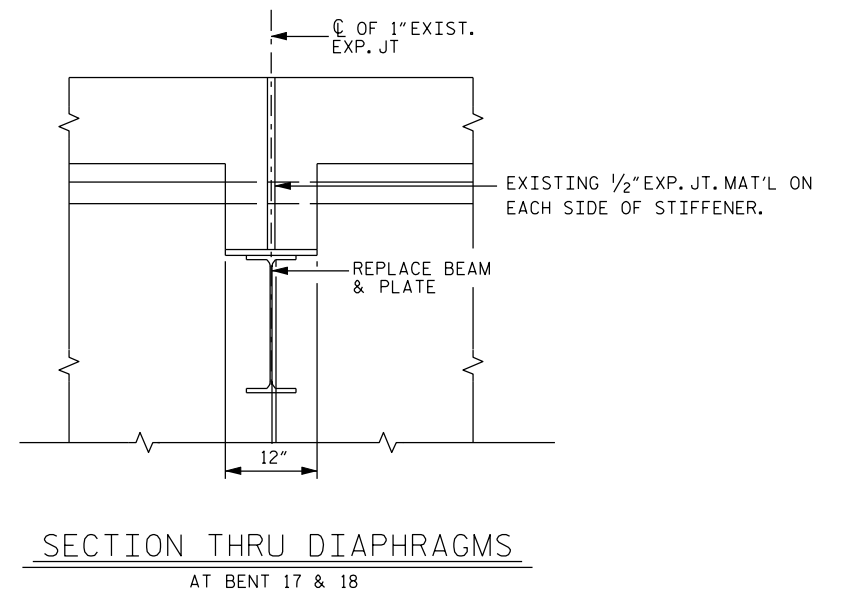
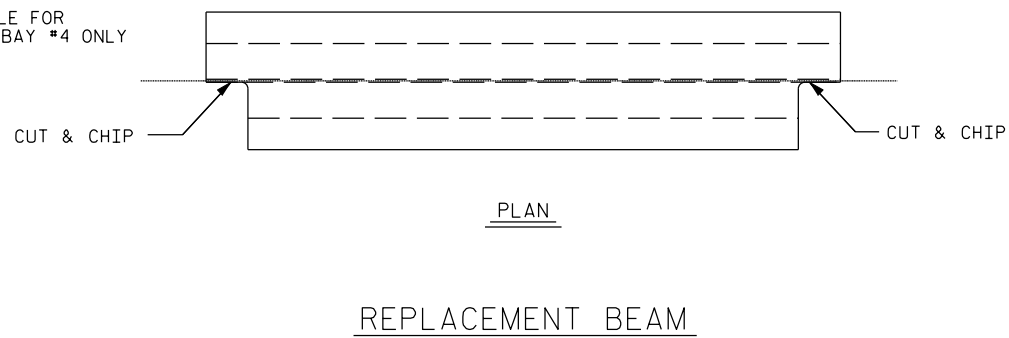
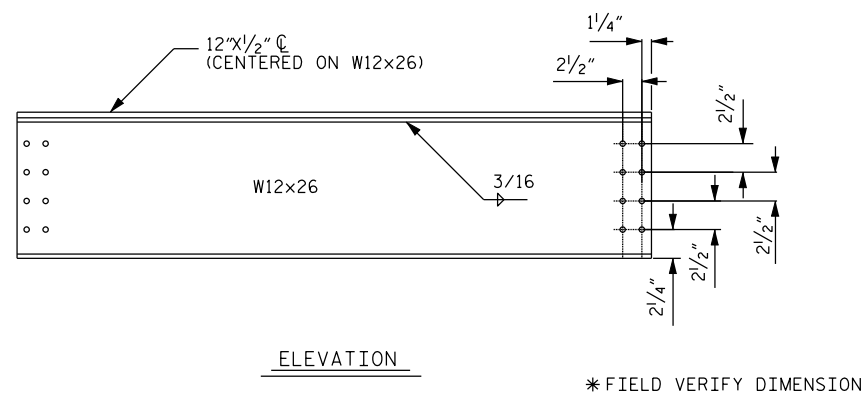
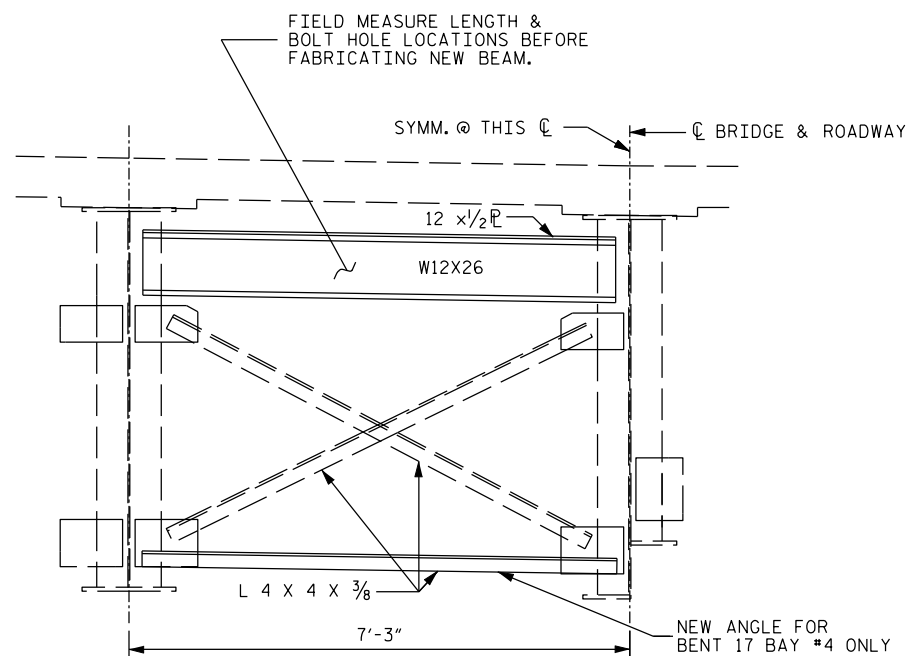
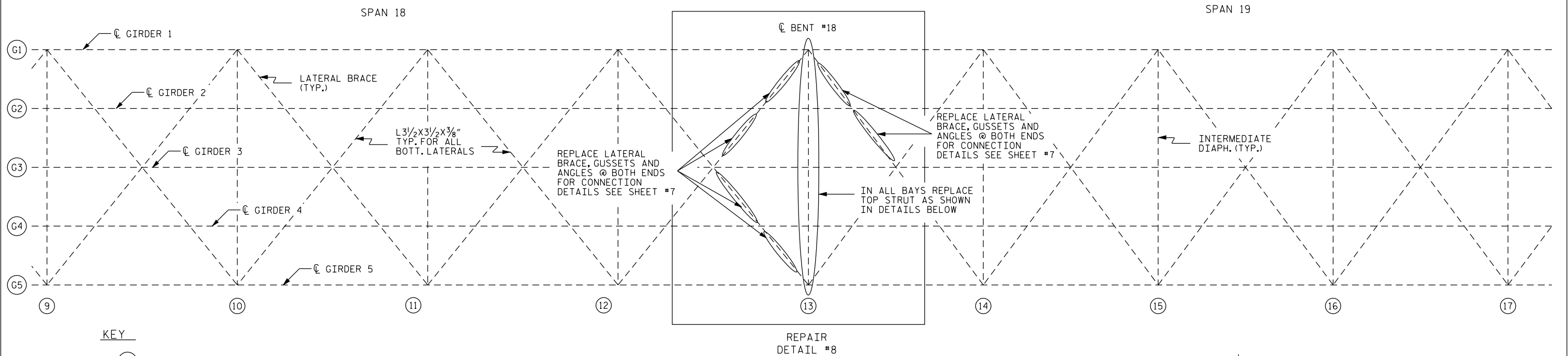
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

FRAMING PLAN

REVISIONS						SHEET NO. S-3
NO.	BY	DATE	NO.	BY	DATE	
1			3			TOTAL SHEETS
2			4			

DRAWN BY: MJW DATE: 06/10
CHECKED BY: AGA DATE: 06/10

*****SYSTIME***** *****USERNAME***** *****DGN*****

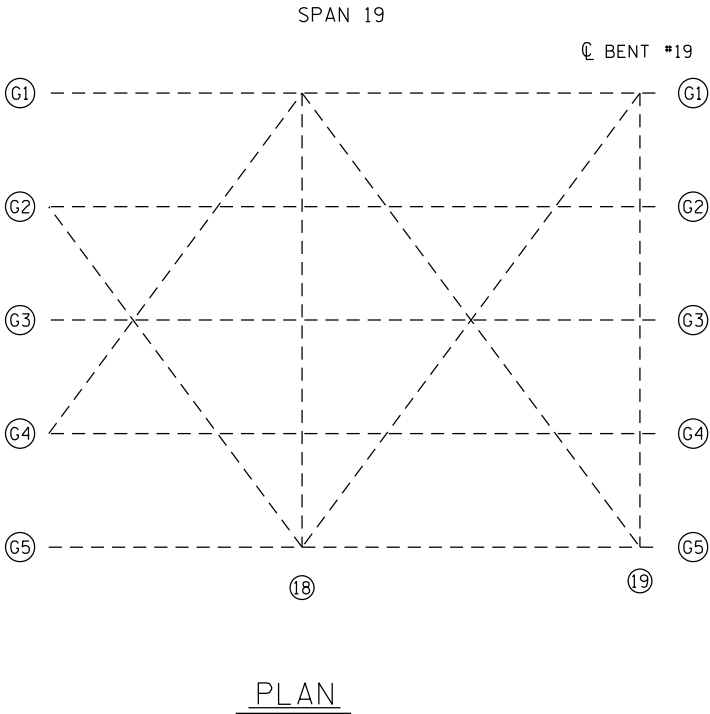


PROJECT NO. BK-5102H
COUNTY: CARTERET
STATION: N/A
BRIDGE NO. 13

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
FRAMING PLAN AND DIAPHRAGM DETAILS					
REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		
					SHEET NO. S-4
					TOTAL SHEETS

DRAWN BY: MJW DATE: 06/10
CHECKED BY: AGA DATE: 06/10

*****SYSTIME***** \$\$\$\$USERNAME\$\$\$ *****



PROJECT NO. BK-5102H

COUNTY: CARTERET

STATION: N/A

BRIDGE NO. 13

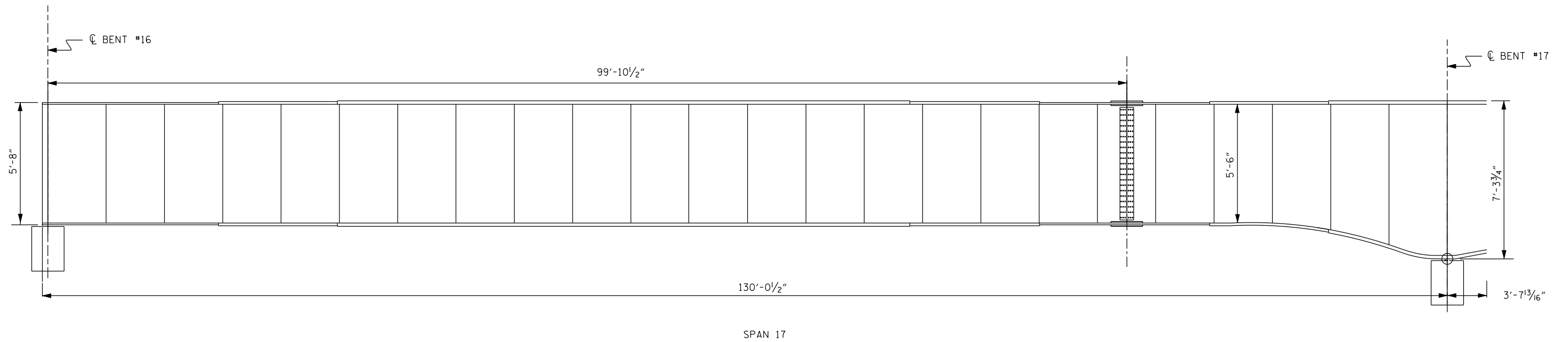
STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

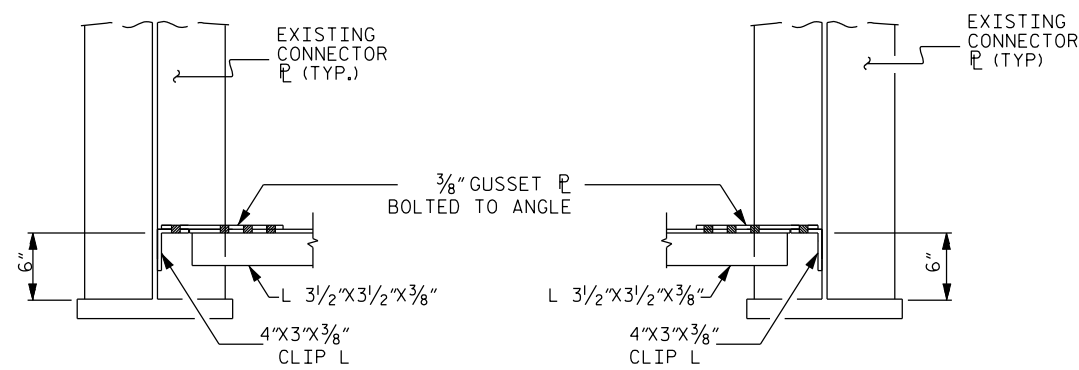
RALEIGH

FRAMING PLAN

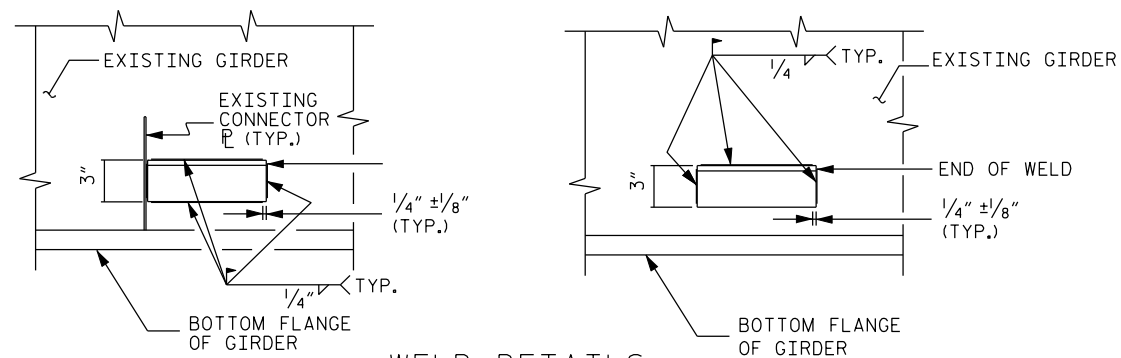
REVISIONS						SHEET NO.
NO.	BY	DATE	NO.	BY	DATE	S-5
1			3			TOTAL SHEETS
2			4			



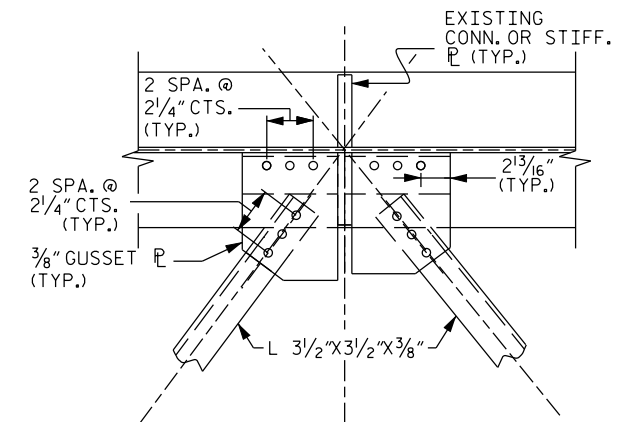
ELEVATION



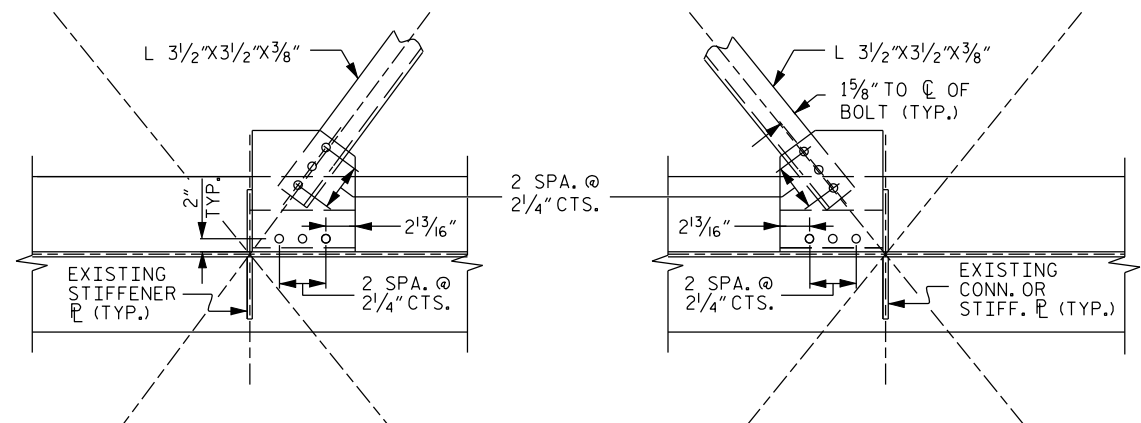
SECTION THRU CONNECTION (TYP.)



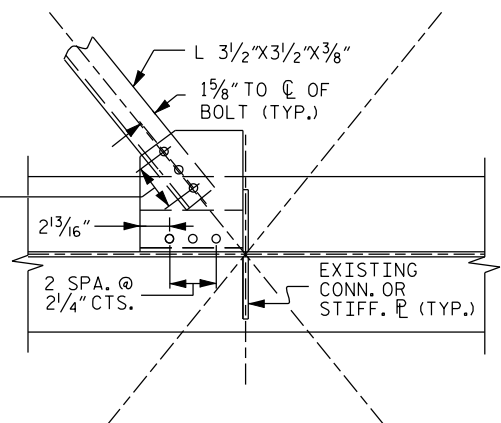
WELD DETAILS



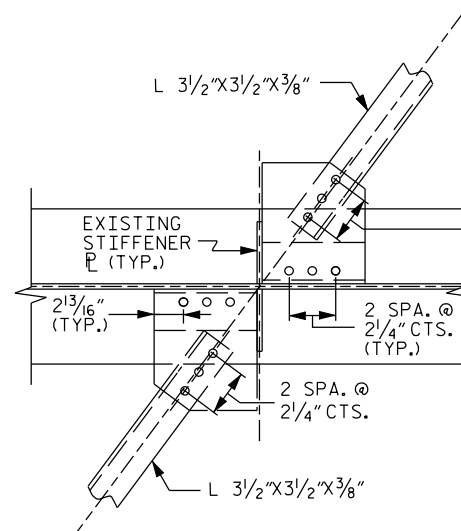
GIRDER G-1
AT BENT 17



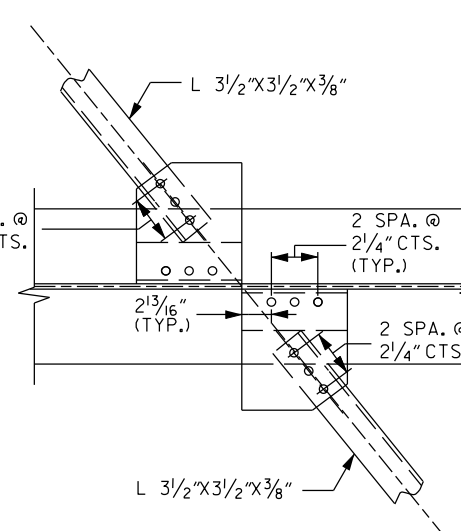
GIRDER G-3
LEFT OF BENT 17



GIRDER G-3
RIGHT OF BENT 17
GIRDER 5 AT BENT 17 SIMILAR



GIRDER G-2
LEFT OF BENT 17



GIRDER G-2
RIGHT OF BENT 17

DETAIL OF BOTTOM LATERAL CONNECTIONS

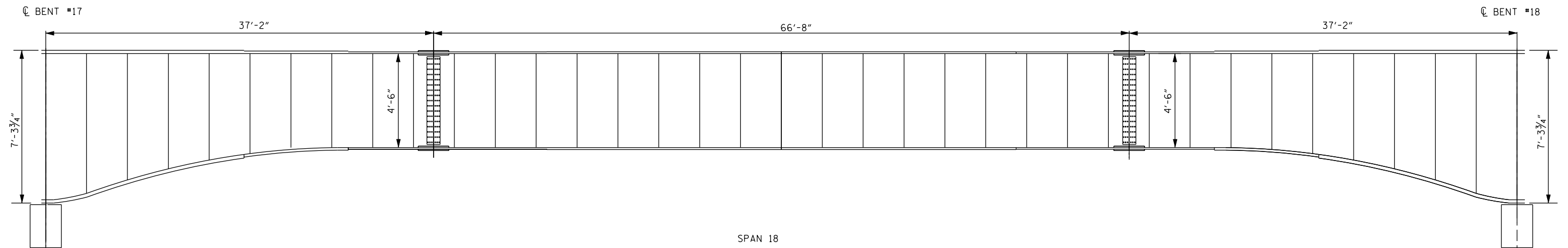
PROJECT NO. BK-5102H
COUNTY: CARTERET
STATION: N/A
BRIDGE NO. 13

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
LATERAL CONNECTION
DETAILS SPAN
NO. #16 & #17

REVISIONS						SHEET NO. S-6 TOTAL SHEETS
NO.	BY	DATE	NO.	BY	DATE	
1			3			
2			4			

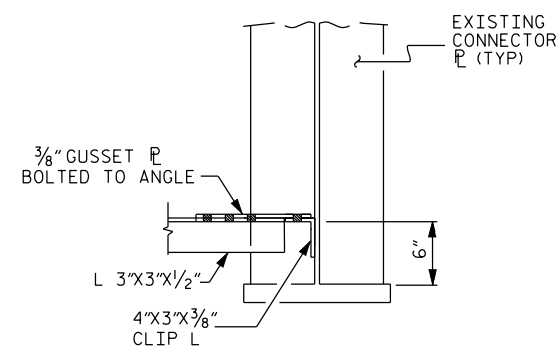
DRAWN BY: MJW/RW DATE: 06/10
CHECKED BY: AGA DATE: 06/10

*****SYTIME***** *****USERNAME***** *****DGN*****

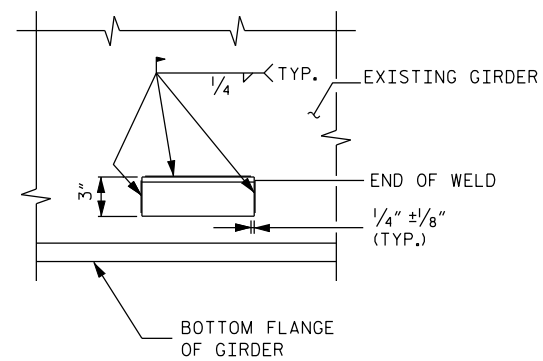


SPAN 18

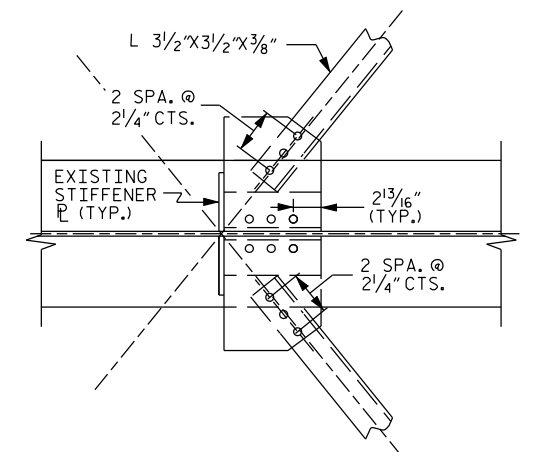
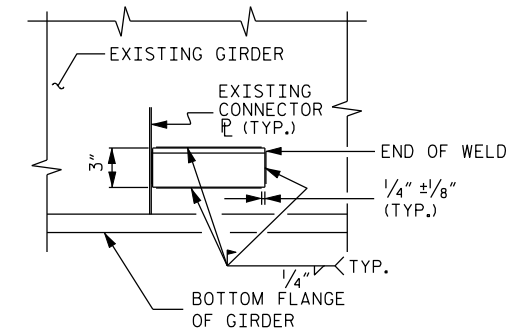
ELEVATION



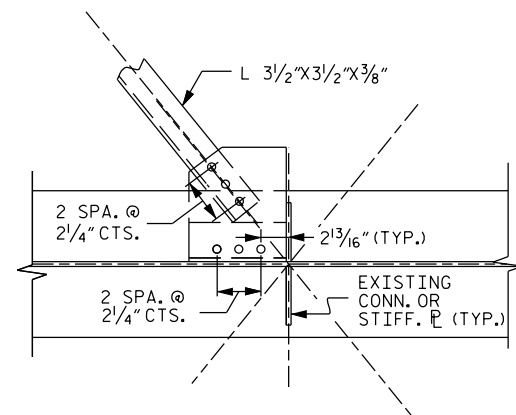
SECTION THRU CONNECTION (TYP.)



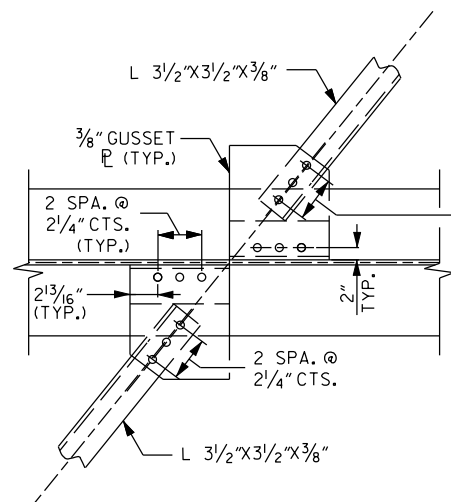
TYPICAL WELD DETAILS



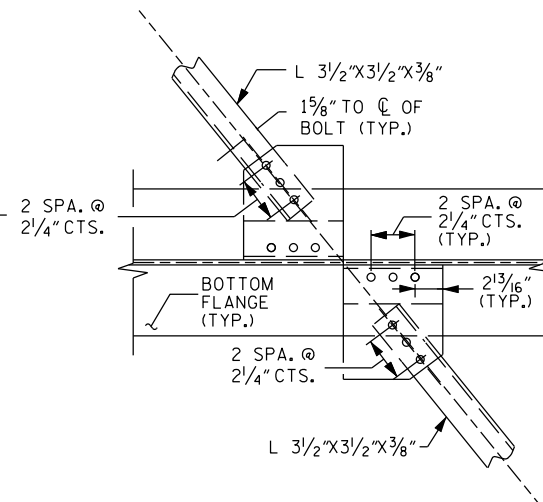
GIRDER G-3
LEFT OF BENT 18



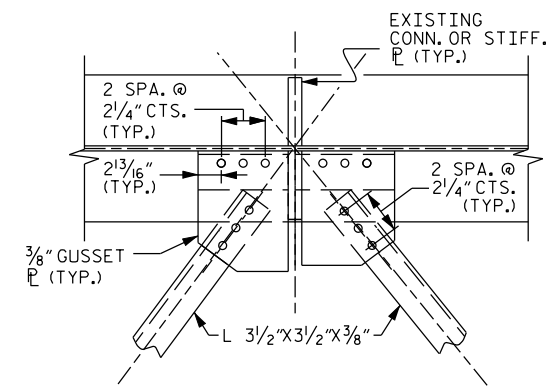
GIRDER G-3
RIGHT OF BENT 18
GIRDER 5 AT BENT 18 SIMILAR



GIRDER G-2
LEFT OF BENT 18



GIRDER G-4
LEFT OF BENT 18
GIRDER 2 RT. OF BENT 18 SIMILAR



GIRDER 1
AT BENT 18

PROJECT NO. BK-5102H
COUNTY: CARTERET
STATION: N/A
BRIDGE NO. 13

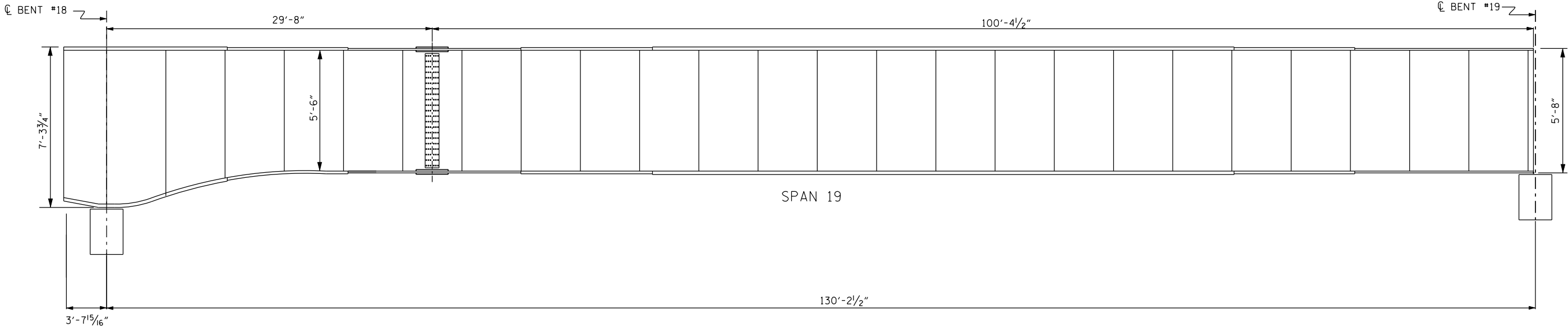
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
LATERAL CONNECTION
DETAILS SPAN
NO. #17 & #18

REVISIONS						SHEET NO. S-7 TOTAL SHEETS
NO.	BY	DATE	NO.	BY	DATE	
1			3			
2			4			

DRAWN BY: MJW/RW DATE: 06/10
CHECKED BY: AGA DATE: 06/10

*****SYTIME***** *****USER***** *****DGN*****

DETAIL OF BOTTOM LATERAL CONNECTIONS



ELEVATION

REPAIR 7		
REMOVAL	REMOVE BOTTOM LATERAL BRACES REMOVE TOP DIAPHRAGM REMOVE BOTTOM STRUT (BAY 4 ONLY)	INCIDENTAL
REPLACE BOTTOM LATERIAL BRACES (PLUS GUSSET PLATES & ANGLE CLIPS & BOLTS w/NUTS.)	10- L4X3X3/8" ANGLE CLIP 5 - L3 1/2X3 1/2X3/8" LATERAL BRACE 60 - 3/4" H.S. BOLT w/NUT 10- 3/8" GUSSET PL (8)	117 LBS 342 LBS 35 LBS 122 LBS
REPLACE TOP STRUT & BOLTS, BAYS 1-4 REPLACE BOTTOM STRUT (BAY #4 ONLY)	4 - W12X26 w/CHIPPED & CLIPPED ENDS 4 - 1/2" PL X12"X7 FT 64 - 3/4"X2" H.S. BOLT w/NUT 1 - L4X3X3/8" ANGLE CLIP	728 LBS 571 LBS 44 LBS 69 LBS
TOTAL		2028 LBS

REPAIR 13		
REMOVAL	REMOVE BOTTOM LATERAL PLATES REMOVE TOP DIAPHRAGM	INCIDENTAL
REPLACE BOTTOM LATERIAL BRACES (PLUS GUSSET PLATES & ANGLE CLIPS & BOLTS w/NUTS.)	12 - L4X3X3/8" ANGLE CLIP 6 - L3 1/2X3 1/2X3/8" LATERAL BRACE 72 - 3/4" H.S. BOLT w/NUT 12 - 3/8" GUSSET PL	143 LBS 411 LBS 42 LBS 150 LBS
REPLACE TOP STRUT & BOLTS, BAYS 1-4	4 - W12X26 w/CHIPPED & CLIPPED ENDS 4 - 1/2" PL X12"X7 FT 64 - 3/4" H.S. BOLT w/NUT	728 LBS 571 LBS 44 LBS
TOTAL		2089 LBS

PROJECT NO. BK-5102H
COUNTY: CARTERET
STATION: N/A
BRIDGE NO. 13

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SPAN 19
BENTS
NO. #18 & #19

REVISIONS						SHEET NO. S-8 TOTAL SHEETS
NO.	BY	DATE	NO.	BY	DATE	
1			3			
2			4			

DRAWN BY: MJW/RW DATE: 06/10
CHECKED BY: AGA DATE: 06/10

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
TRAFFIC CONTROL

CARTERET COUNTY

LOCATION: BRIDGE NO.13 US HIGHWAY 70 OVER NEWPORT RIVER
TYPE OF WORK: TRAFFIC CONTROL FOR BRIDGE PAINTING AND REPAIRS

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 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
1101.04	TEMPORARY SHOULDER CLOSURES
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
1150.01	FLAGGING DEVICES
1180.01	SKINNY DRUMS

INDEX OF SHEETS

SHEET NO.	TITLE
TCP-1	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND INDEX OF SHEETS
TCP-2	GENERAL NOTES & TRAFFIC CONTROL PHASING
TCP-3, 3A, 3B	TEMPORARY LANE CLOSURE FLAGGER OPERATION

LEGEND

GENERAL
← DIRECTION OF TRAFFIC FLOW
→ NORTH ARROW
■ WORK AREA

TRAFFIC CONTROL DEVICES

▬ TYPE III BARRICADE
▲ CONE
● DRUM ◎ SKINNY DRUM
⦿ FLASHING ARROW PANEL (TYPE C)
├ STATIONARY SIGN
└ PORTABLE SIGN
└ STATIONARY OR PORTABLE SIGN
~ TEMPORARY CRASH CUSHION
◀ CHANGEABLE MESSAGE SIGN
▬ TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
⊠ POLICE
■ FLAGGER

APPROVED: *Betsy L. Watson*
DATE: 7/28/10



PLAN PREPARED BY:



Stantec Consulting Services Inc.
Suite 300, 801 Jones Franklin Road
Raleigh, NC
27605
Tel. 919.851.8888
Fax. 919.851.7024
www.stantec.com
License No. F-0672

BETSY L. WATSON, PE

TRAFFIC CONTROL ENGINEER

GEORGE KARAGEORGE

TRAFFIC CONTROL DESIGNER

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 OF 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.

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
US 70	5:00 A.M.-11:00 P.M. MONDAY THRU SUNDAY

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

ROAD NAME
US 70

HOLIDAYS AND SPECIAL EVENTS

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 5:00 A.M. DECEMBER 31st TO 11:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 11:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 5:00 A.M. THURSDAY AND 11:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY AND 11:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 5:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 11:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 5:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 11:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 5:00 A.M. FRIDAY AND 11:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 5:00 A.M. TUESDAY TO 11:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 5:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 11:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- 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.
- INSTALL ALL LANE CLOSURES ACCORDING TO THE TRAFFIC CONTROL PLAN, ROADWAY STANDARD DRAWINGS (1101.02), OR AS DIRECTED BY THE ENGINEER.
- 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.
- 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.
- 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.

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.

- DURING FLAGGER OPERATIONS DO NOT STOP TRAFFIC FOR MORE THAN 5 MINUTES AT A TIME.
- FLAGGERS SHALL NOT STAND IN THE ROADWAY.
- USE FLAGGERS TO CONTROL VEHICLES AT INTERSECTIONS OR RAILROAD GRADE CROSSINGS AFFECTED BY THE LANE CLOSURE. USE FLAGGER SIGN W20-7a IN ADVANCE OF ALL FLAGGER STATIONS. WHEN AN INTERSECTION IS SIGNALIZED HAVE AUTHORIZED PERSONNEL PLACE THE SIGNAL IN FLASH MODE WHEN DIRECTED BY THE ENGINEER.
- FLAGGER STATIONS SHALL BE ILLUMINATED AT NIGHT.
- USE PILOT VEHICLES IN CONJUNCTION WITH FLAGGERS WHEN SHOWN IN THE PLAN OR WHEN DIRECTED BY THE ENGINEER. MOUNT SIGN G20-4 "PILOT CAR FOLLOW ME" AT A VISIBLE LOCATION ON THE REAR OF PILOT VEHICLES.
- ADVISE RESIDENTS AND BUSINESSES AFFECTED BY THE LANE CLOSURE ABOUT METHODS OF SAFE INGRESS AND EGRESS FROM DRIVEWAYS DURING FLAGGING AND PILOT CAR OPERATIONS.

MISCELLANEOUS

- LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES.
- ALL DIMENSIONS AND STATIONS IN THE TRAFFIC CONTROL PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 733-4740 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.

TRAFFIC CONTROL PHASING

PRIOR TO BEGINNING ANY BRIDGE WORK, INSTALL CHANGEABLE MESSAGE SIGNS AND PROGRAM MESSAGES TO INFORM PUBLIC OF UPCOMING LANE CLOSURES OR WORK ZONE INFORMATION AS DIRECTED BY THE ENGINEER.

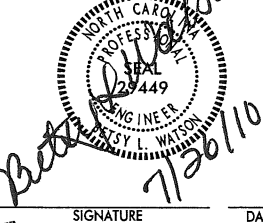
INSTALL AND REMOVE ALL PLATFORMS AND CONTAINMENT SYSTEMS FROM BELOW. ALL STAGING AREAS TO BE CONTAINED ON BARGES OR AS OTHERWISE ALLOWED BY THE ENGINEER. PERFORM BRIDGE WORK FROM UNDER BRIDGE.

IF LANE CLOSURES ARE NEEDED, USE FLAGGERS WITH PILOT CAR GUIDANCE AS SHOWN ON TCP-3, 3A, AND 3B UNLESS OTHERWISE DIRECTED BY THE ENGINEER. FLAGGER MAY BE LOCATED CLOSER TO THE WORK AREA IF APPROVED BY THE ENGINEER.

C:\Control\BK-5102H\Porter\13\TCP\Plan Sheets\BK-5102H.tcp.psh_02.dgn
7/23/2010 10:02:49 AM
rcullen



SEAL



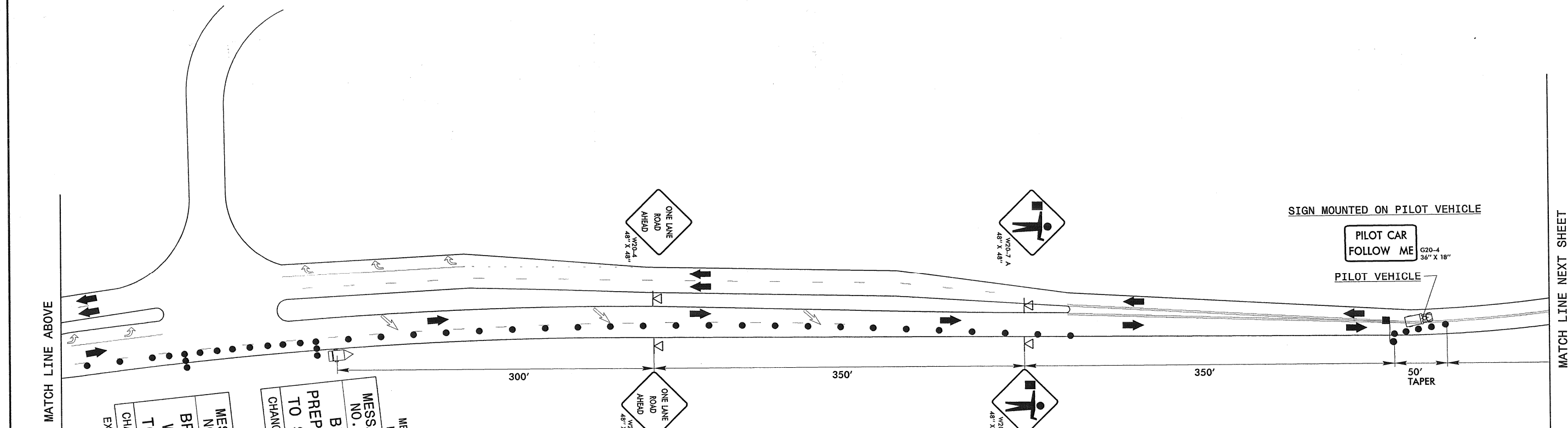
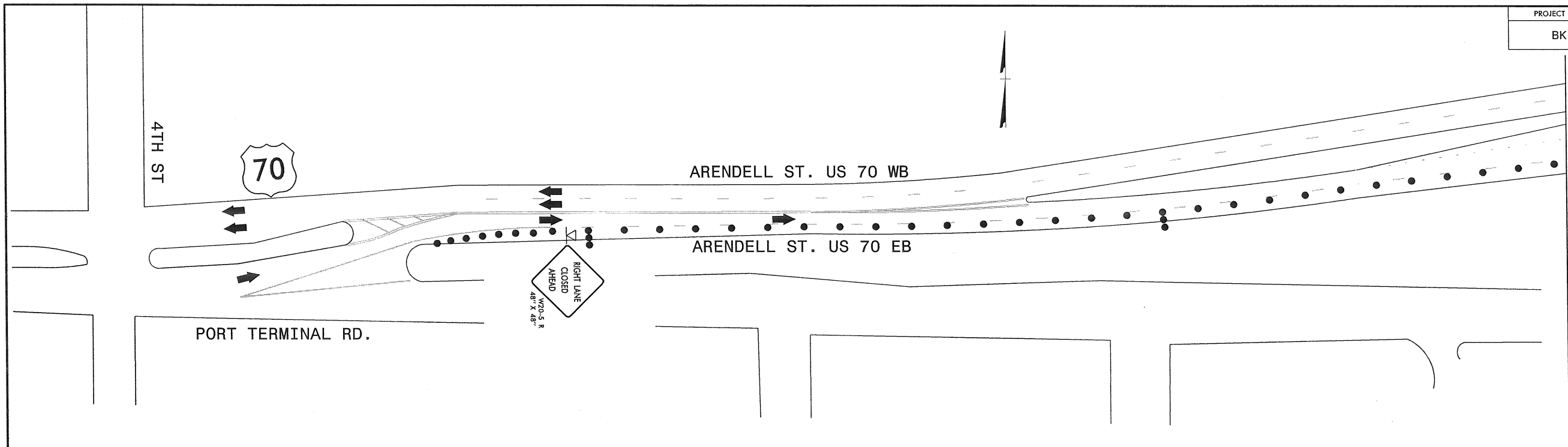
GENERAL NOTES
TRAFFIC CONTROL PHASING

SCALE: NONE
DATE: JULY 2010
DWG. BY: GK
DESIGN BY: GK
REVIEWED BY: BLW



REVISIONS	

CADD
FILE



MESSAGE DURING LANE CLOSURE	
MESSAGE NO. 1	MESSAGE NO. 2
BRIDGE WORK TONITE	EXPECT DELAYS 11PM-5AM
CHANGEABLE MESSAGE SIGN	
EXAMPLE MESSAGE PRIOR TO DAY OF LANE CLOSURE	
CHANGEABLE MESSAGE SIGN	
BE PREPARED TO STOP FOLLOW PILOT VEHICLE	
CHANGEABLE MESSAGE SIGN	

Stantec
Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

SEAL

Butler
7/26/10
DATE

CARTERET CO. BRIDGE #13 TEMPORARY LANE CLOSURE FLAGGER OPERATION

SCALE: NONE
DATE: JULY 2010
DWG. BY: GK
DESIGN BY: GK
REVIEWED BY: BLW



REVISIONS	

MATCH LINE PREVIOUS SHEET



BRIDGE #13

250'

PILOT VEHICLE GUIDANCE THRU WORK AREA

TYPICAL WORK AREA US 70 WB

50'

50'



MATCH LINE BELOW

NAVIGATION CHANNEL

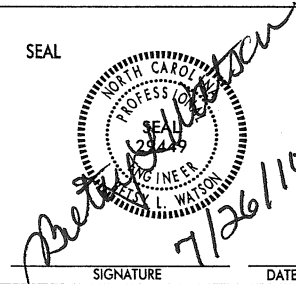
MATCH LINE ABOVE

MATCH LINE NEXT SHEET

Control\BK-5102H\CP\Plan Sheets\BK-5102H.tcp.psh.03A.dgn
7/23/2010 1:00 PM
Carteret Co. Bridge #13
TCP-3A



SEAL

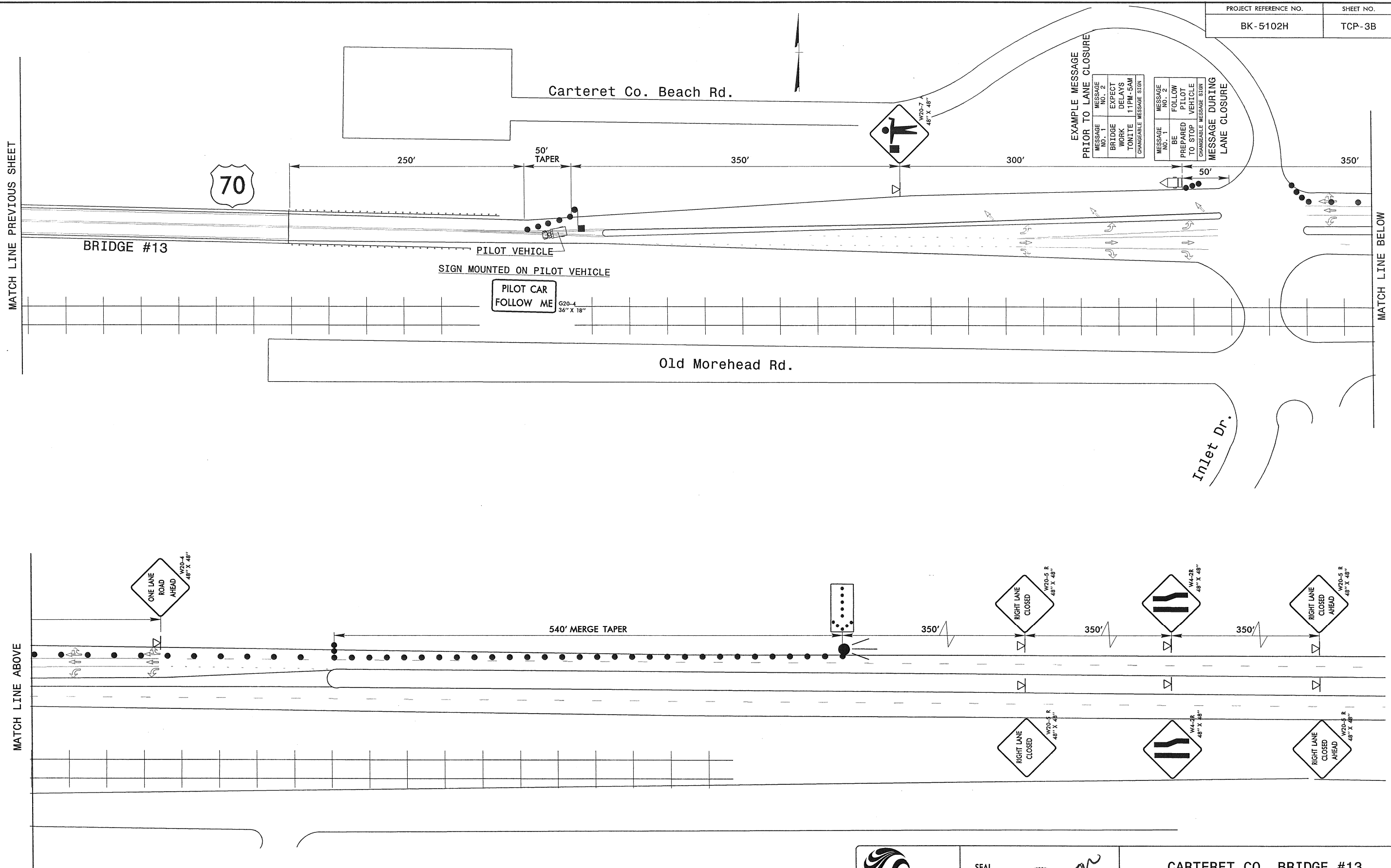


**CARTERET CO. BRIDGE #13
TEMPORARY LANE CLOSURE
FLAGGER OPERATION**

SCALE: NONE
DATE: JULY 2010
DWG. BY: GK
DESIGN BY: GK
REVIEWED BY: BLW



REVISIONS	



EXAMPLE MESSAGE PRIOR TO LANE CLOSURE

MESSAGE NO. 1	MESSAGE NO. 2
BRIDGE WORK	EXPECT DELAYS
TONITE	11PM-5AM
CHANGEABLE MESSAGE SIGN	

MESSAGE DURING LANE CLOSURE

MESSAGE NO. 1	MESSAGE NO. 2
BE PREPARED TO STOP	FOLLOW PILOT VEHICLE
CHANGEABLE MESSAGE SIGN	

7/23/2010
Control\BK-5102H\Carteret 13\TCP\Plan Sheets\BK-5102H_tcp_psh_03B.dgn
rcullen

Stantec
Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-8866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

SEAL

[Signature]
7/26/10
DATE

**CARTERET CO. BRIDGE #13
TEMPORARY LANE CLOSURE
FLAGGER OPERATION**

SCALE: NONE
DATE: JULY 2010
DWG. BY: GK
DESIGN BY: GK
REVIEWED BY: BLW



REVISIONS

CADD FILE