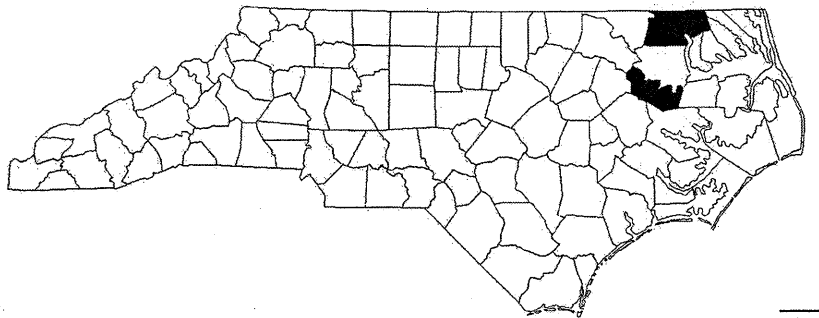


CONTRACT #: C203219 TIP PROJECT: 17BP.1.P.5



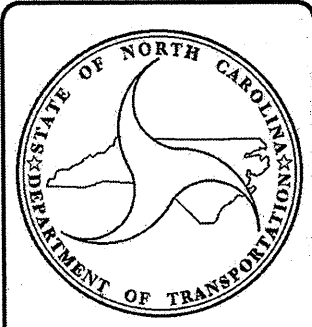
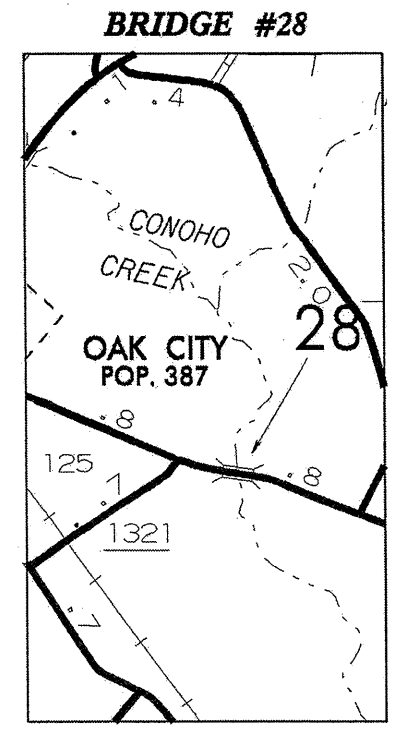
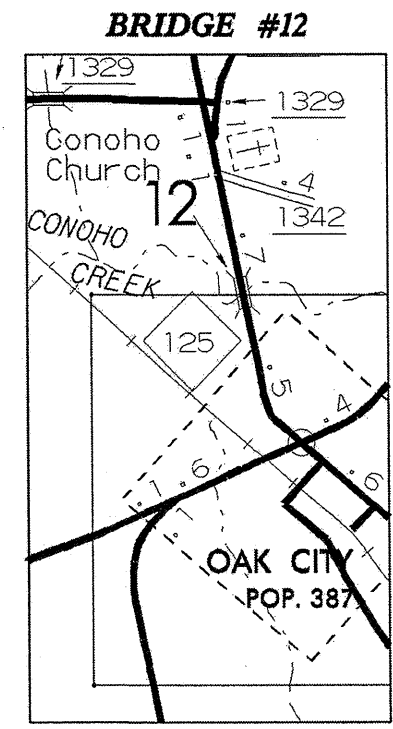
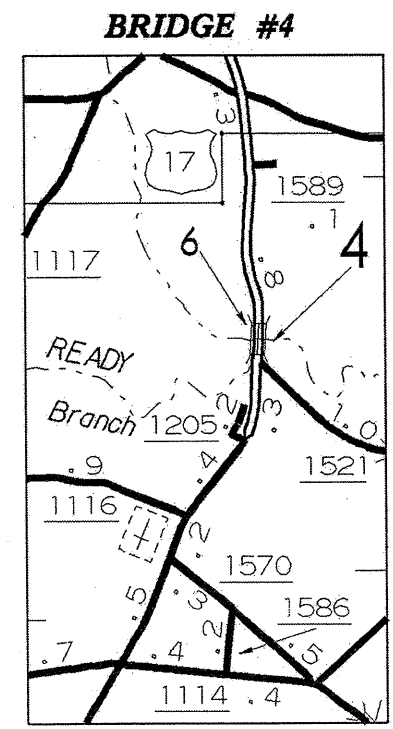
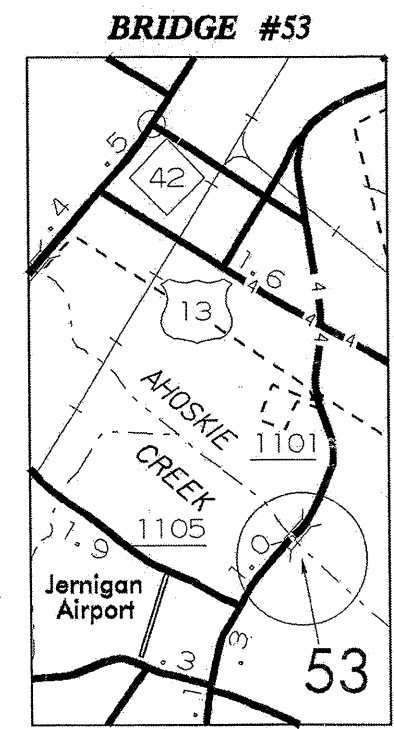
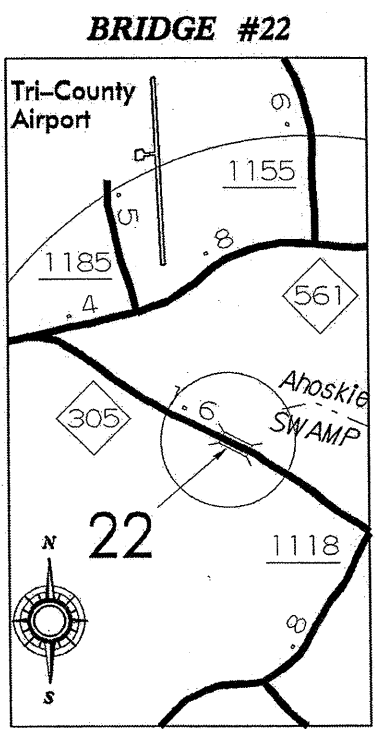
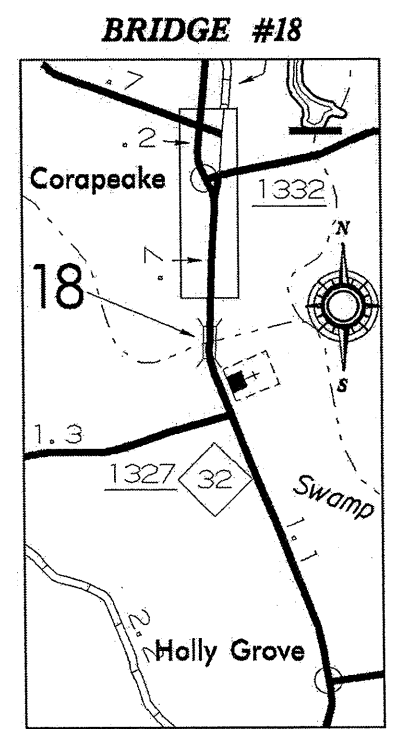
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

**GATES, HERTFORD AND
 MARTIN COUNTIES**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	WBS.17BP.1.P.5	1	X
STATE PROJ. NO.		DESCRIPTION	
WBS. 17BP.1.P.5		P.E.	
WBS. 17BP.1.P.5		CONST.	

LOCATION: BRIDGE #18, GATES CO., ON NC 32 CORAPEAKE SWAMP
 BRIDGE #22, HERTFORD CO., ON NC 305 ACROSS AHOSKIE SWAMP
 BRIDGE #53, HERTFORD CO., ON SR 1101 ACROSS AHOSKIE CREEK
 BRIDGE #4, MARTIN CO., ON US 17 NBL READY BRANCH
 BRIDGE #12, MARTIN CO., ON NC 125 ACROSS CONOHO CREEK
 BRIDGE #28, MARTIN CO., ON NC 125 ACROSS CONOHO CREEK

TYPE OF WORK: BRIDGE PRESERVATION-CLEANING & PAINTING OF EXISTING STRUCTURE



DESIGN DATA

GATES	
#18 ADT 2010 =	3800
HERTFORD	
#22 ADT 2008 =	660
#53 ADT 2009 =	1200
MARTIN	
#4 ADT 2008 =	4400
#12 ADT 2008 =	1600
#28 ADT 2008 =	840

PROJECT LENGTH

BRIDGE GATES #18	=	.020 MILE
BRIDGE HERTFORD #22	=	.020 MILE
BRIDGE HERTFORD #53	=	.028 MILE
BRIDGE MARTIN #4	=	.023 MILE
BRIDGE MARTIN #12	=	.021 MILE
BRIDGE MARTIN #28	=	.028 MILE

Prepared in the Office of:
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
 STRUCTURES MANAGEMENT UNIT - PRESERVATION & REPAIR GROUP
 1000 BIRCH RIDGE DR. RALEIGH, N.C. 27610

RICK NELSON, P.E.

2012 STANDARD SPECIFICATIONS

LETTING DATE:
 JANUARY 15, 2013

ENGINEER

DANIEL MULLER, P.E.
 PROJECT DESIGN ENGINEER

11/14/2012

TIP PROJECT: 17BP.1.P.5

CONTRACT:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	17BP.1.P.5	IA	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
17BP.1.P.5		P.E.	

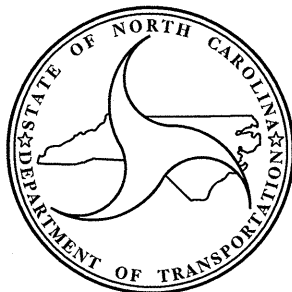
**GATES, HERTFORD AND
MARTIN COUNTIES**

LOCATION: BRIDGE #18, GATES CO., ON NC 32 CORAPEAKE SWAMP
BRIDGE #22, HERTFORD CO., ON NC 305 ACROSS AHOSKIE SWAMP
BRIDGE #53, HERTFORD CO., ON SR 1101 ACROSS AHOSKIE CREEK
BRIDGE #4, MARTIN CO., ON US 17 NBL READY BRANCH
BRIDGE #12, MARTIN CO., ON NC 125 ACROSS CONOHO CREEK
BRIDGE #28, MARTIN CO., ON NC 125 ACROSS CONOHO CREEK

TYPE OF WORK: BRIDGE PRESERVATION-CLEANING & PAINTING OF EXISTING STRUCTURE

INDEX OF SHEETS

1	TITLE SHEET
IA	INDEX OF SHEETS
2	SUMMARY OF QUANTITIES
TMP-1 THRU TMP-5	TRAFFIC MANAGEMENT PLANS



COMPUTED BY: _____ DATE _____
 CHECKED BY: _____ DATE _____

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 SUMMARY OF QUANTITIES

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	17BP.1.P.5	2	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
17BP.1.P.5		P.E.	

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 ROADWAY SUMMARY OF QUANTITIES FOR CONTRACT - C203219

ItemNumber	Sec #	Quantity	Unit	Description
0000100000-N	800	Lump Sum		MOBILIZATION
4405000000-E	1110	260	SF	WORK ZONE SIGNS (PORTABLE)
4430000000-N	1130	150	EA	DRUMS
4435000000-N	1135	120	EA	CONES
4450000000-N	1150	1,120	HR	FLAGGER
8296000000-N	442	Lump Sum		POLLUTION CONTROL
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRG # 12
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRG # 18
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRG # 22
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRG # 28
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRG # 4
8860000000-N	SP	Lump Sum		GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRG # 53

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
GATES, HERTFORD AND MARTIN COUNTIES
DIVISION 1



BRIDGE PAINTING

GATES BRIDGE #18 – NC 32 OVER CORAPEAKE SWAMP

HERTFORD BRIDGE #22 – NC 305 OVER AHOSKIE SWAMP
HERTFORD BRIDGE #53 – SR 1101 OVER AHOSKIE CREEK

MARTIN BRIDGE #4 – US 17 NBL OVER READY BRANCH
MARTIN BRIDGE #12 – NC 125 OVER CONOHO CREEK
MARTIN BRIDGE #28 – NC 125 OVER CONOHO CREEK

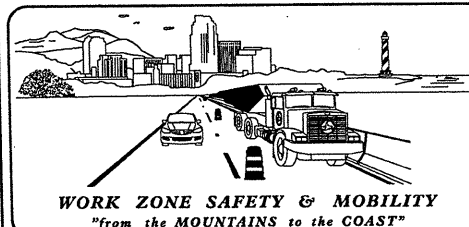
INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-2	GENERAL NOTES
TMP-3	VICINITY MAPS AND PHASING
TMP-4	MARTIN CO. BRIDGE #4 US 17 NORTH RIGHT LANE WORK AREA
TMP-5	MARTIN CO. BRIDGE #4 US 17 NORTH LEFT LANE WORK AREA

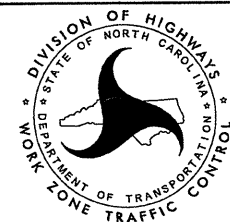
TRAFFIC MANAGEMENT STRATEGY

PROPOSED PAINTING OPERATIONS WILL BE PERFORMED USING HOLIDAY RESTRICTED LANE CLOSURES. REFER TO SHEET TMP-3 FOR PHASING.

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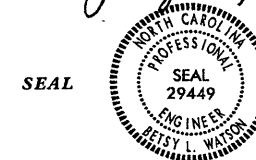
PLAN PREPARED FOR NCDOT STRUCTURES MANAGEMENT UNIT
RALEIGH, NC



PLAN PREPARED BY:
Stantec Consulting Services Inc.
801 Jones Franklin Road-Suite 300
Raleigh, NC 27606
Tel. 919.851.8866
Fax. 919.851.7024
www.stantec.com

BETSY L. WATSON, P.E. TRAFFIC ENGINEER
GEORGE KARAGEORGE SR. TRANSPORTATION DESIGNER

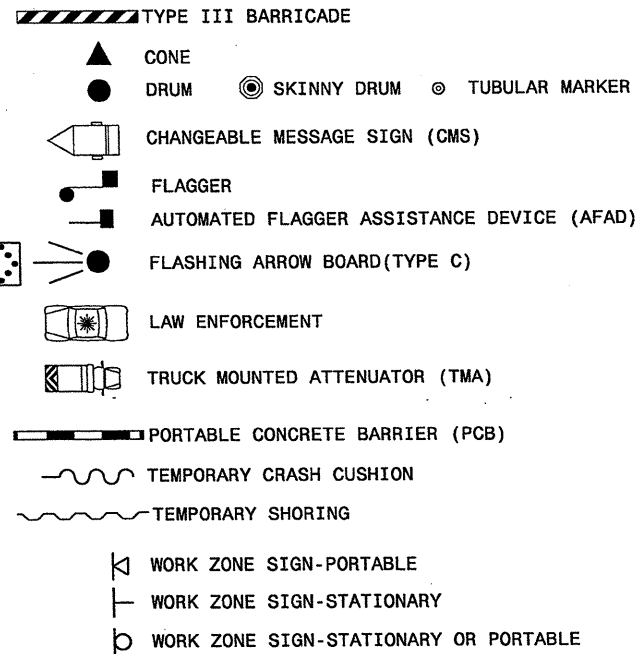
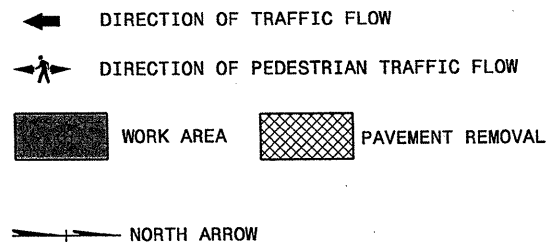
APPROVED *Betsy L. Watson*
DATE *July 20, 2012*



WBS 17BP.I.P.5

SHEET NO.
TMP-1

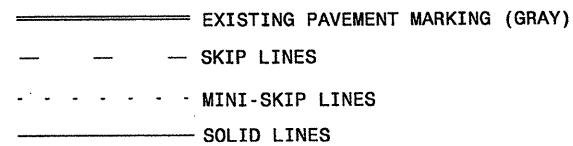
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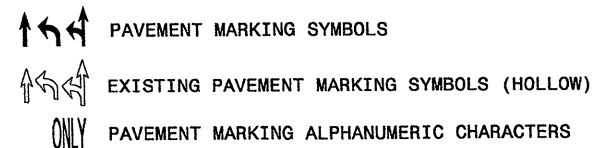
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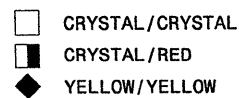
PAVEMENT MARKINGS



PAVEMENT MARKING SYMBOLS



PAVEMENT MARKERS

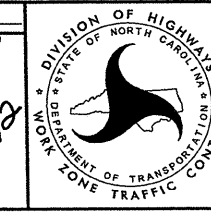
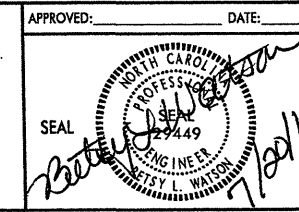


ROADWAY STANDARD DRAWINGS

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:

<u>STD. NO.</u>	<u>TITLE</u>
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
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1180.01	SKINNY - DRUM

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LEGEND
&
ROADWAY STANDARD DRAWINGS

GENERAL NOTES

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

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

- A) DO NOT CLOSE OR NARROW A LANE OF TRAFFIC, DETAIN AND/OR ALTER THE TRAFFIC FLOW ON OR DURING HOLIDAYS, HOLIDAY WEEKENDS, OR ANY OTHER TIME WHEN TRAFFIC IS UNUSUALLY HEAVY, INCLUDING THE FOLLOWING SCHEDULES:

ROAD NAME
ALL ROADS

HOLIDAY & HOLIDAY WEEKEND LANE CLOSURE TIME RESTRICTIONS

- 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

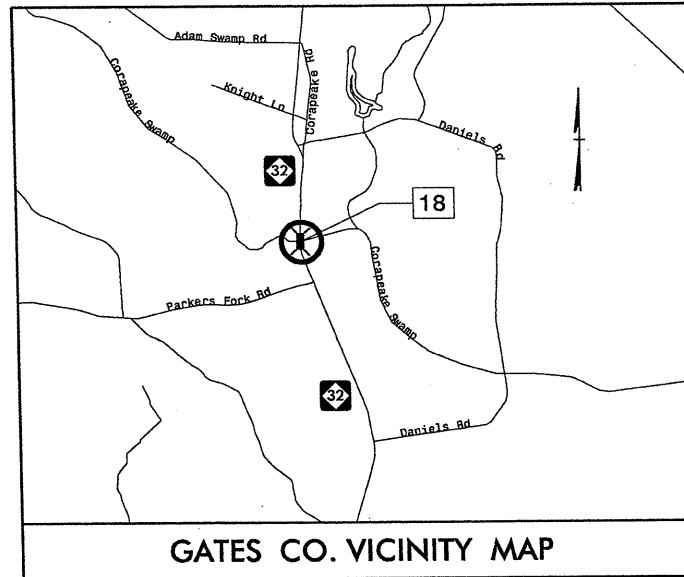
- B) LANE CLOSURES ARE REQUIRED WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN ANY PORTION OF A TRAVEL LANE. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- C) INSTALL ALL LANE CLOSURES ACCORDING TO THE PLANS, ROADWAY STANDARD DRAWINGS (1101.02), OR AS DIRECTED BY THE ENGINEER.
- D) 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.
- E) 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.
- F) 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.
- G) 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

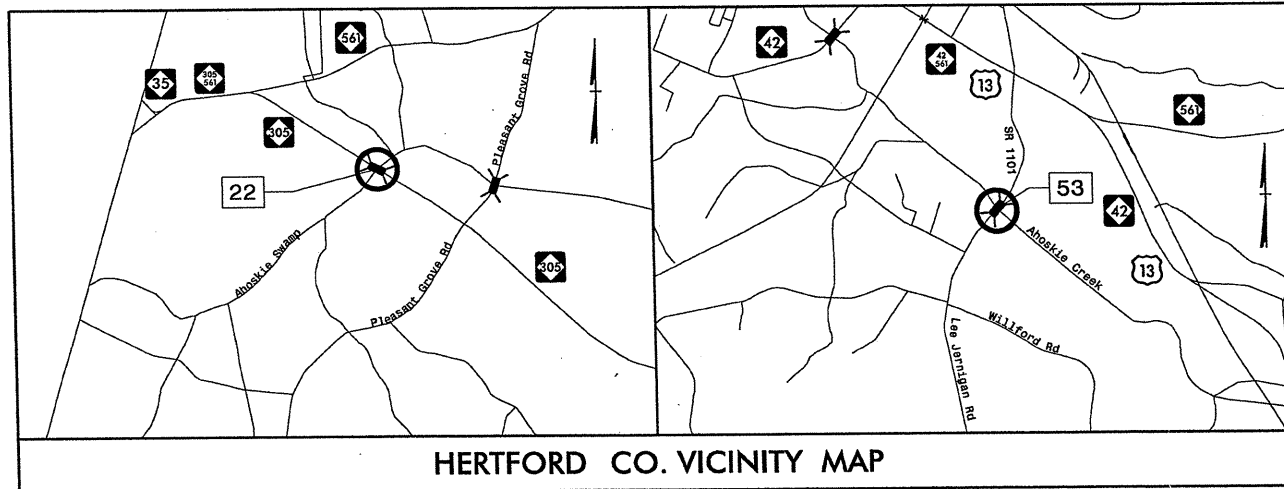
- H) ALL DIMENSIONS AND STATIONS IN THE TRAFFIC MANAGEMENT PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- I) PLACE ALL CHANGEABLE MESSAGE SIGNS AS NEEDED IN THE LOCATIONS AND WITH THE WORD MESSAGES AS SHOWN IN THE PLAN OR AS DIRECTED BY THE ENGINEER TO PROVIDE ADVANCE WARNING TO THE PUBLIC DURING CONSTRUCTION.
- J) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 733-4740 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.

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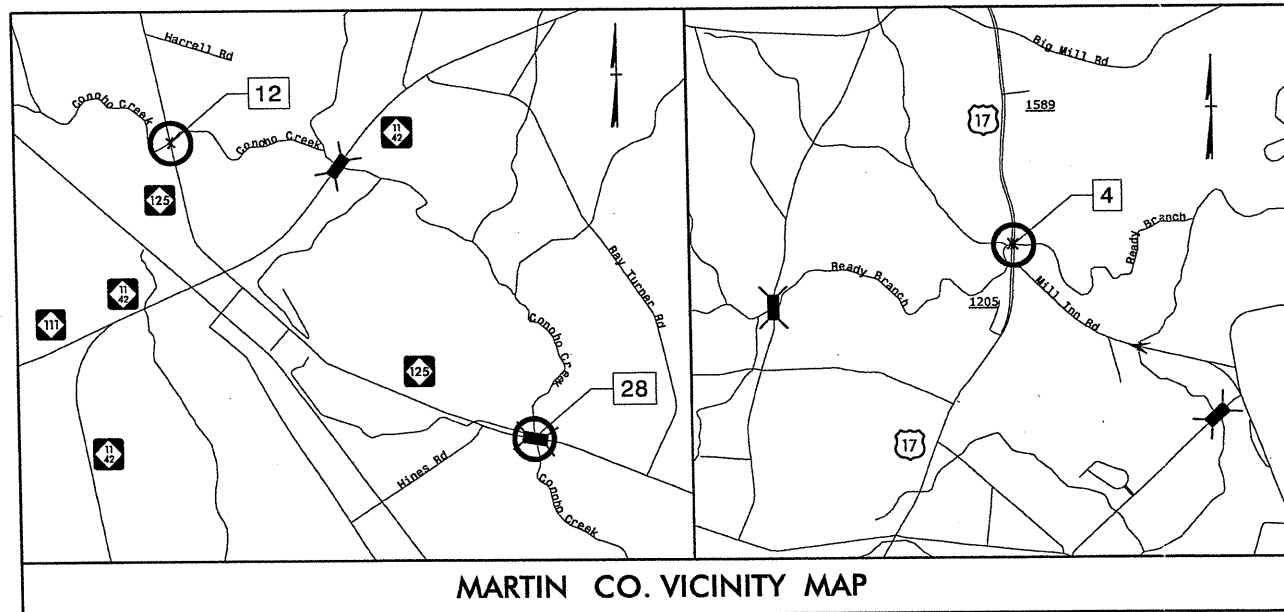
 Stantec	Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6886 Fax. (919) 851-7024 www.stantec.com License No. F-0672	APPROVED: _____ DATE: _____ 		GENERAL NOTES
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GATES CO. VICINITY MAP



HERTFORD CO. VICINITY MAP



MARTIN CO. VICINITY MAP

PHASING

USE THE FOLLOWING TRAFFIC CONTROL METHODS DURING BRIDGE PAINTING AS NEEDED:

GATES COUNTY

BRIDGE #18 - NC 32 OVER CORAPEAKE SWAMP

FOR FLAGGING OPERATIONS ON NC 32, SEE ROADWAY STANDARD DRAWING 1101.02 SHEET 1.

HERTFORD COUNTY

BRIDGE #22 - NC 305 OVER AHO SKIE SWAMP

FOR FLAGGING OPERATIONS ON NC 305, SEE ROADWAY STANDARD DRAWING 1101.02 SHEET 1.

BRIDGE #53 - SR 1101 OVER AHO SKIE CREEK

FOR FLAGGING OPERATIONS ON SR 1101, SEE ROADWAY STANDARD DRAWING 1101.02 SHEET 1.

MARTIN COUNTY

BRIDGE #4 - US 17 NORTH OVER READY BRANCH

FOR RIGHT AND LEFT LANE CLOSURES ON US 17, SEE SHEETS TMP-4 & 5.

BRIDGE #12 - NC 125 OVER CONOHO CREEK

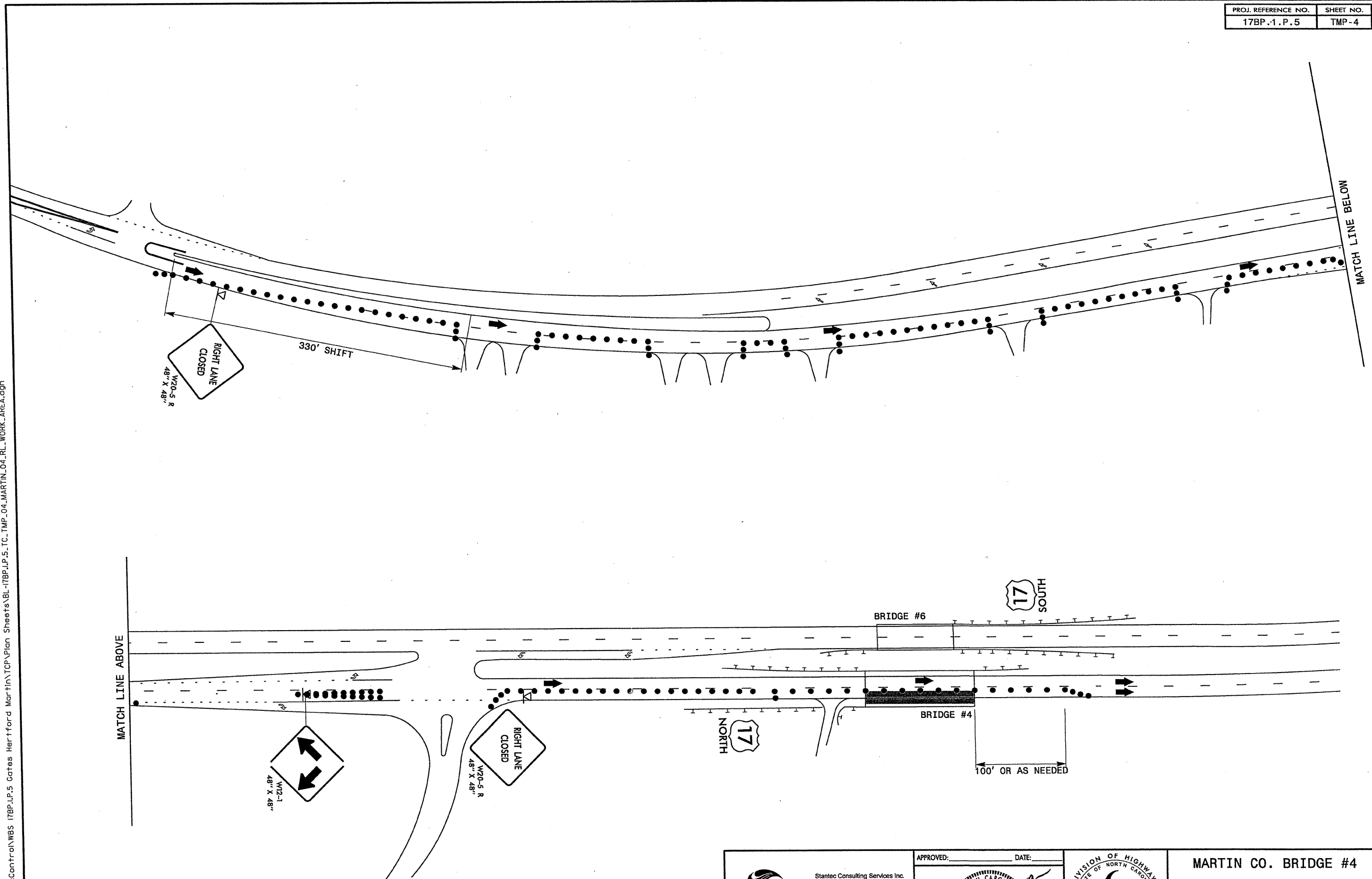
FOR FLAGGING OPERATIONS ON NC 125, SEE ROADWAY STANDARD DRAWING 1101.02 SHEET 1.

BRIDGE #28 - NC 125 OVER CONOHO CREEK


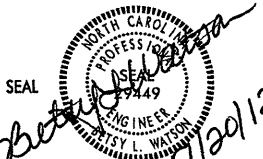

FOR FLAGGING OPERATIONS ON NC 125, SEE ROADWAY STANDARD DRAWING 1101.02 SHEET 1.

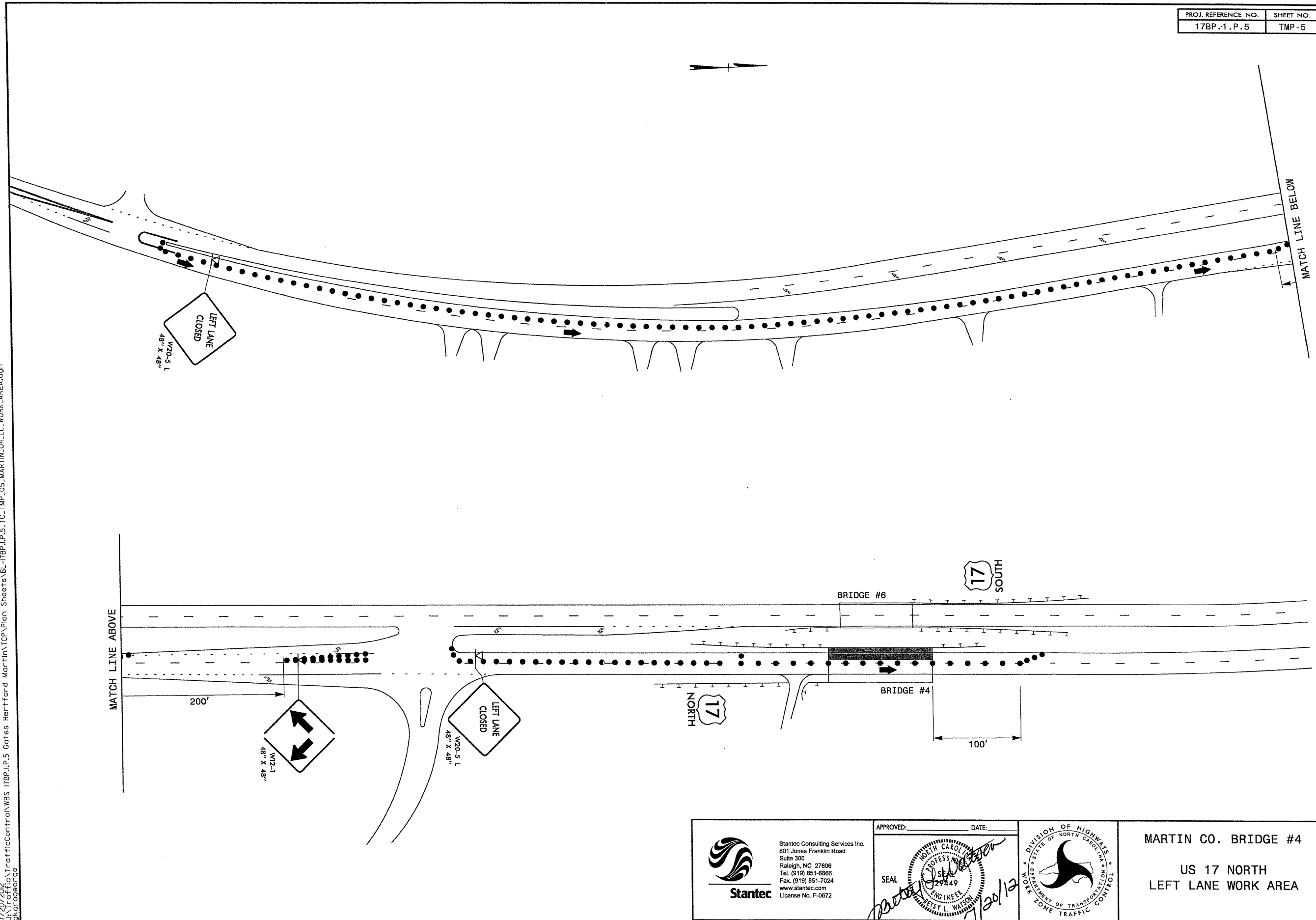
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<p>Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. (919) 851-6886 Fax. (919) 851-7024 www.stantec.com License No. F-0672</p>	APPROVED: _____ DATE: _____ 		VICINITY MAPS & PHASING






7/20/2012
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 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	APPROVED: _____ DATE: _____ 		MARTIN CO. BRIDGE #4 US 17 NORTH RIGHT LANE WORK AREA
	SEAL <i>Patsy L. Watson</i> 7/20/12		



7/20/2012
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 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	APPROVED: _____ DATE: _____ 		MARTIN CO. BRIDGE #4 US 17 NORTH LEFT LANE WORK AREA
	SEAL <i>Sherry L. Watson</i> 7/20/12		