TIP PROJECT: B-4700AT

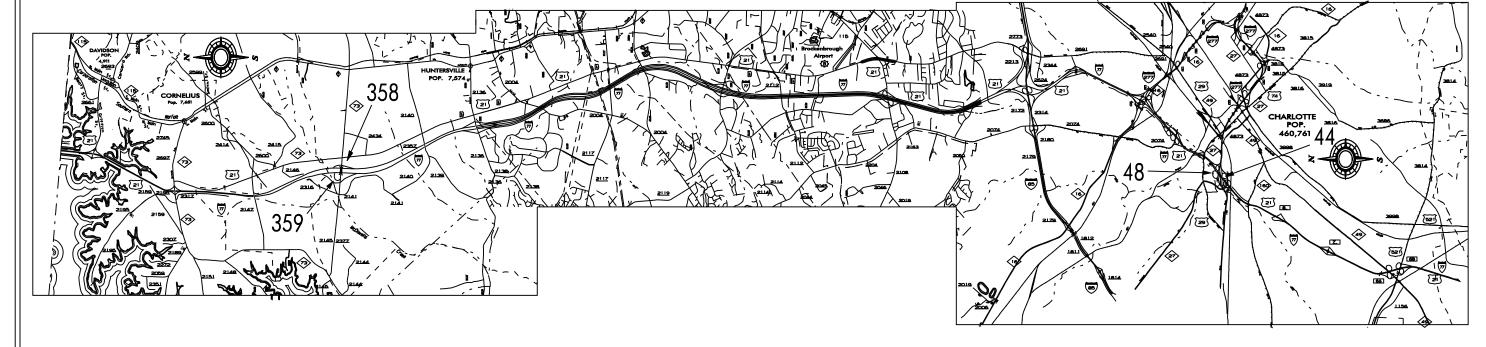
CONTRACT NO. DO00035

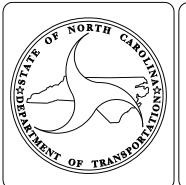
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

MECKLENBURG COUNTY

| STATE | STATE | PROJECT REPERENCE NO. | SHEET NO. | TOTAL SHEETS |
|-------|-------------|-----------------------|--------------|-----------------|
| N.C. | C. B-4700AT | | 1 | 1 |
| STATE | PROJ. NO. | F. A. PROJ. NO. | DESCRIP | TION |
| 367 | 727.1.1 | BRNHS-000S(504) | P.E. | |
| | | | | |
| 367 | 27.3.44 | BRNHS-000S(370) | CON: | ST T |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

LOCATION: US 74, I 77, ACROSS US 21, NC 73
TYPE OF WORK: BRIDGE PRESERVATION:CLEANING AND PAINTING OF
BRIDGES #44, #48, #358 AND #359 IN MECKLENBURG COUNTY.





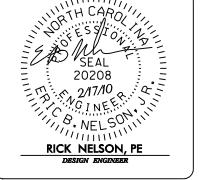
DESIGN DATA

PROJECT LENGTH

Prepared in the Office of: BRIDGE MANAGEMENT UNIT NORTH CAROLINA DEPARTMENT OF TRANSPORTATION 2006 STANDARD SPECIFICATIONS LETTING DATE: MARCH 18, 2010 DAN HOLDERMAN, PE STATE BRIDGE MANAGEMENT REGISTER

MIKE SUMMERS

BRIDGE MANAGEMENT
PROJECT MANAGER



STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PLAN FOR PROPOSED TRAFFIC CONTROL

MECKLENBURG COUNTY

LOCATION: BRIDGE NO.S 44, 48, 358, AND 359.

TYPE OF WORK: TRAFFIC CONTROL FOR BRIDGE PAINTING

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 |
| 1110.02 | PORTABLE WORK ZONE SIGNS |
| 1115.01 | FLASHING ARROW PANELS |
| 1130.01 | Drums |
| 1145.01 | BARRICADES |
| 1165.01 | TRUCK MOUNTED IMPACT ATTENUATOR |
| 1180.01 | SKINNY DRUMS |

INDEX OF SHEETS

| | _ | |
|---|--------------|---------------------------------------------------------------------------|
| S | SHEET NO. | TITLE |
| | TCP-1 | LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND INDEX OF SHEETS |
| | TCP-2 | GENERAL NOTES |
| | TCP-3 | VICINITY MAP |
| | TCP-4 | TRAFFIC CONTROL PHASING |
| | BRIDGES #44 | / #48 |
| | TCP 5-5A | I-77 SBL LEFT LANE CLOSURE |
| | TCP 6-6A | I-77 SBL RIGHT LANE CLOSURE AND I-77 SBL EXIT 9 LEFT LANE CLOSURE |
| | TCP 7-7A | I-77 SBL EXIT 9 RIGHT LANE CLOSURE |
| | TCP 8-8B | I-77 NBL THRU LANE CLOSURE (OPTION 1) |
| | TCP 9-9A | I-77 NBL LEFT LANE CLOSURE (OPTION 2) |
| | TCP 10-10A | I-77 NBL RIGHT LANE CLOSURE (OPTION 2) |
| | TCP 11-11A | I-77 NBL EXIT 9 LEFT LANE CLOSURE |
| | TCP 12-12A | I-77 NBL EXIT 9 RIGHT LANE CLOSURE |
| | BRIDGES #358 | <u>3 / #359</u> |
| | TCP 13 | I-77 SBL ENTRANCE LOOP CLOSURE |
| | TYPICALS | |
| | TCP-14 | TYPICAL SINGLE LANE CLOSURES |
| | TCP-15 | TYPICAL DOUBLE LANE CLOSURES |

LEGEND

STATE PROJECT REFERENCE NO.

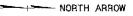
B-4700AT

SHEET NO.

TCP-1

GENERAL

DIRECTION OF TRAFFIC FLOW



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)

*

■ FLAGGER

APPROVED SOLLY STEPARED BY:



27606 Tol. 919.851,6966 Fax, 919.851,7024 www.stantec.com License No. F-0672

BETSY L. WATSON, PE

GEORGE KARAGEORGE

TRAFFIC CONTROL ENGINEER

TRAFFIC CONTROL DESIGNER

GENERAL NOTES

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

SOUTH OF THE I-85 & I-77 INTERCHANGE DAY AND TIME RESTRICTIONS

ONE LANE ON 1-77: MONDAY TO FRIDAY, 6:00AM to 9:00PM SATURDAY & SUNDAY, 10:00AM to 9:00PM

LANE CLOSURE TIME RESTRICTIONS

TWO OR MORE LANES ON 1-77: MONDAY TO FRIDAY, 6:00AM to 11:00PM SATURDAY & SUNDAY, 10:00AM to 11:00PM

NORTH OF THE I-85 & I-77 INTERCHANGE DAY AND TIME RESTRICTIONS

ONE LANE ON I-77: MONDAY TO FRIDAY, 6:00AM to 9:00PM SATURDAY & SUNDAY, 9:00AM to 9:00PM

TWO OR MORE LANES ON I-77: MONDAY TO FRIDAY, 6:00AM to 11:00PM SATURDAY & SUNDAY, 9:00AM to 11:00PM

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

ROAD NAME ALL BOADS

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 6:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2nd. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY. SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A SATURDAY OR SUNDAY: THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. THESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- 9) FOR ANY NASCAR EVENT AT THE LOWES MOTOR SPEEDWAY, BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE THE WEEK OF THE EVENT UNTIL 9:00 P.M. THE FOLLOWING MONDAY AFTER THE RACE.
- 10) FOR ANY CAROLINA PANTHERS FOOTBALL GAME IN CHARLOTTE AND ANY GAMES AT THE BOBCATS ARENA, FOR 3 HOURS BEFORE THE GAME UNTIL 3 HOURS AFTER THE GAME.
- 11) FOR ANY EVENT AT THE BANK OF AMERICA STADIUM, CHARLOTTE CONVENTION CENTER AND/OR ANY OTHER ARENAS. BETWEEN 6:00 A.M. THE FRIDAY BEFORE THE EVENT AND 9:00 P.M. THE MONDAY AFTER THE EVENT.

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.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME

DAY AND TIME RESTRICTIONS

NC 73 TO I-77SB ENTRANCE LOOP

6:00 A.M.-9:00 P.M. EVERYDAY

LANE AND SHOULDER CLOSURE REQUIREMENTS

- 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.
- 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 A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING SHEET TCP-4 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- G) 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 DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- H) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY RAMP OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.
- I) PROVIDE A MINIMUM OF 1 MILE BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.

TRAFFIC CONTROL DEVICES

- J) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET 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 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE
- K) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED. OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- L) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

TRAFFIC PATTERN ALTERATIONS

M) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

N) ENSURE ALL SIGING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC

MISCELLANEOUS

- 0) POLICE MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- P) DO NOT PERFORM WORK FROM THE ROADWAY ON TOP OF A STRUCTURE.
- Q) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 733-4740 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.
- R) ALL DIMENSIONS AND STATIONS IN THE TRAFFIC CONTROL PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR IS TO FURNISH, INSTALL, MAINTAIN, RELOCATE AND REMOVE CHANGEABLE MESSAGE SIGNS DURING VARIOUS STAGES OF CONSTRUCTION AT THE DISCRETION OF THE ENGINEER TO ADEQUATELY INFORM MOTORISTS OF CHANGING WORK ZONE CONDITIONS.
- T) PLACE ALL CHANGEABLE MESSAGE SIGNS AS NEEDED IN THE LOCATIONS AND WITH THE WORD MESSAGES AS SHOWN IN THE TCP OR AS DIRECTED BY THE ENGINEER TO PROVIDE ADVANCE WARNING TO THE PUBLIC DURING CONSTRUCTION.



Raleigh, NC 27808 Tel. (919) 851-6866

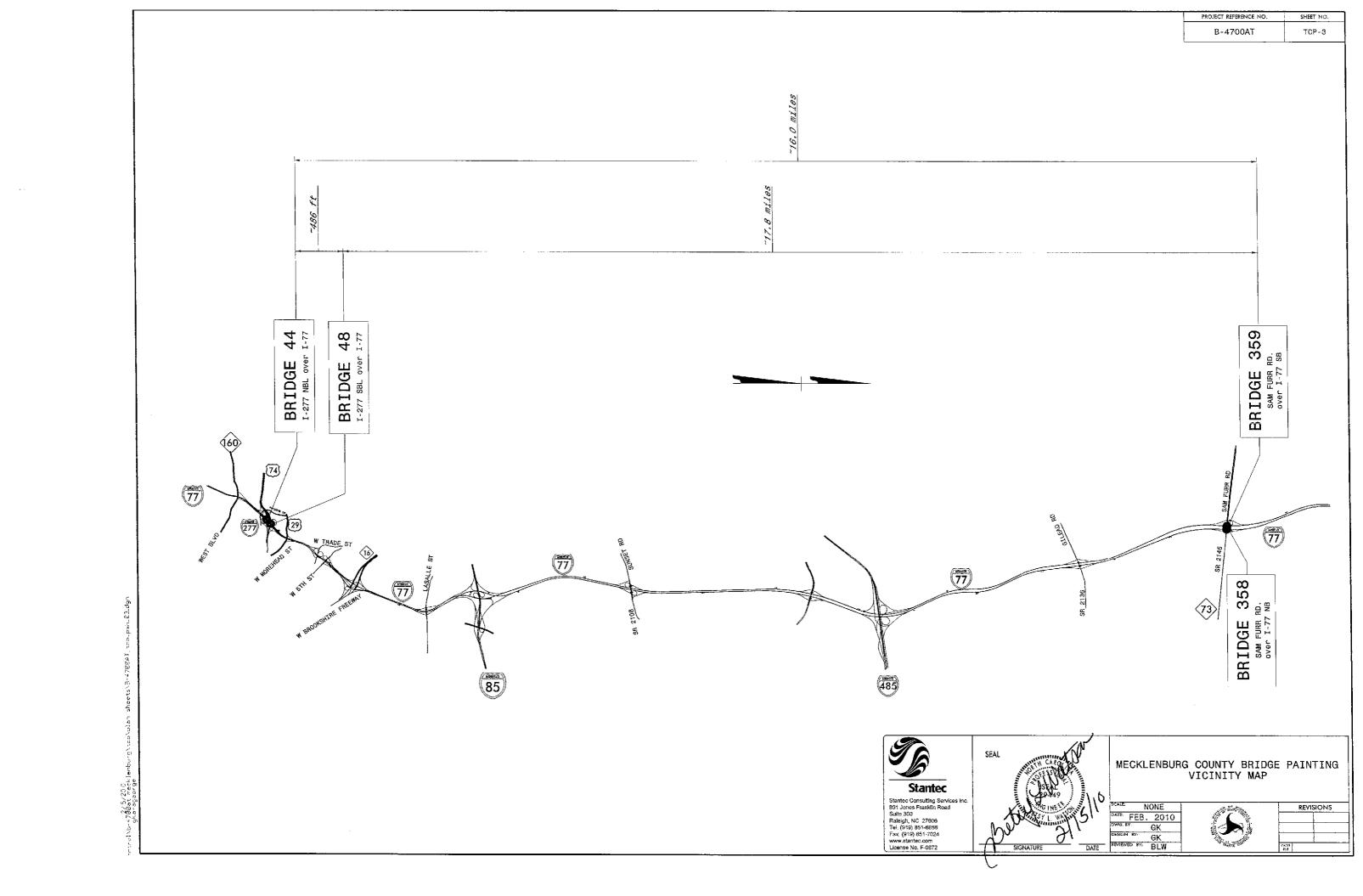
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PROJECT NOTES GENERAL NOTES

NONE FEB. 2010 GK DESIGN BY

REVISIONS



COORDINATE ALL OPERATIONS WITH OTHER CONTRACTORS WORKING IN THIS AREA, (SEE PROJECT SPECIAL PROVISIONS)

BRIDGES #44 AND #48

PERFORM BRIDGE PAINTING OPERATIONS OVER I-77 AND EXIT 9 AS FOLLOWS:

CLOSE LEFT LANE AS SHOWN ON SHEET TCP 5-5A, CLOSE RIGHT LANE AS SHOWN ON SHEET TCP 6-6A.

I-77 SB EXIT 9 CLOSE LEFT LANE AS SHOWN ON SHEET TCP 6-6A. CLOSE RIGHT LANE AS SHOWN ON SHEET TCP 7-7A.

OPTION 1 CLOSE TWO LEFT LANES AS SHOWN ON SHEETS TCP 8-8B. I-77 NB TRAFFIC IS DIVERTED TO EXIT 9 AROUND THE WORK AREA AND BACK ONTO I-77 NB.

OPTION 2 MAY BE USED AS DIRECTED BY THE ENGINEER. OPTION 2 INVOLVES USING DOUBLE LEFT LANE CLOSURES AND SINGLE RIGHT LANE CLOSURES ON I-77 NB AS SHOWN ON SHEETS TCP 9-9A AND TCP 10-10A.

I-77 NB EXIT 9 CLOSE LEFT LANE AS SHOWN ON SHEETS TCP 11-11A. CLOSE RIGHT LANE AS SHOWN ON SHEETS TCP 12-12A.

BRIDGES #358 AND #359

PERFORM ALL BRIDGE PAINTING OPERATIONS OVER I-77 USING RIGHT AND LEFT LANE CLOSURES IN ACCORDANCE WITH SHEET TCP-14.

WHEN WORKING OVER THE I-77 SB RIGHT LANES CLOSE THE ENTRANCE LOOP FROM SAM FURR RD. AS SHOWN ON SHEET TCP-13.



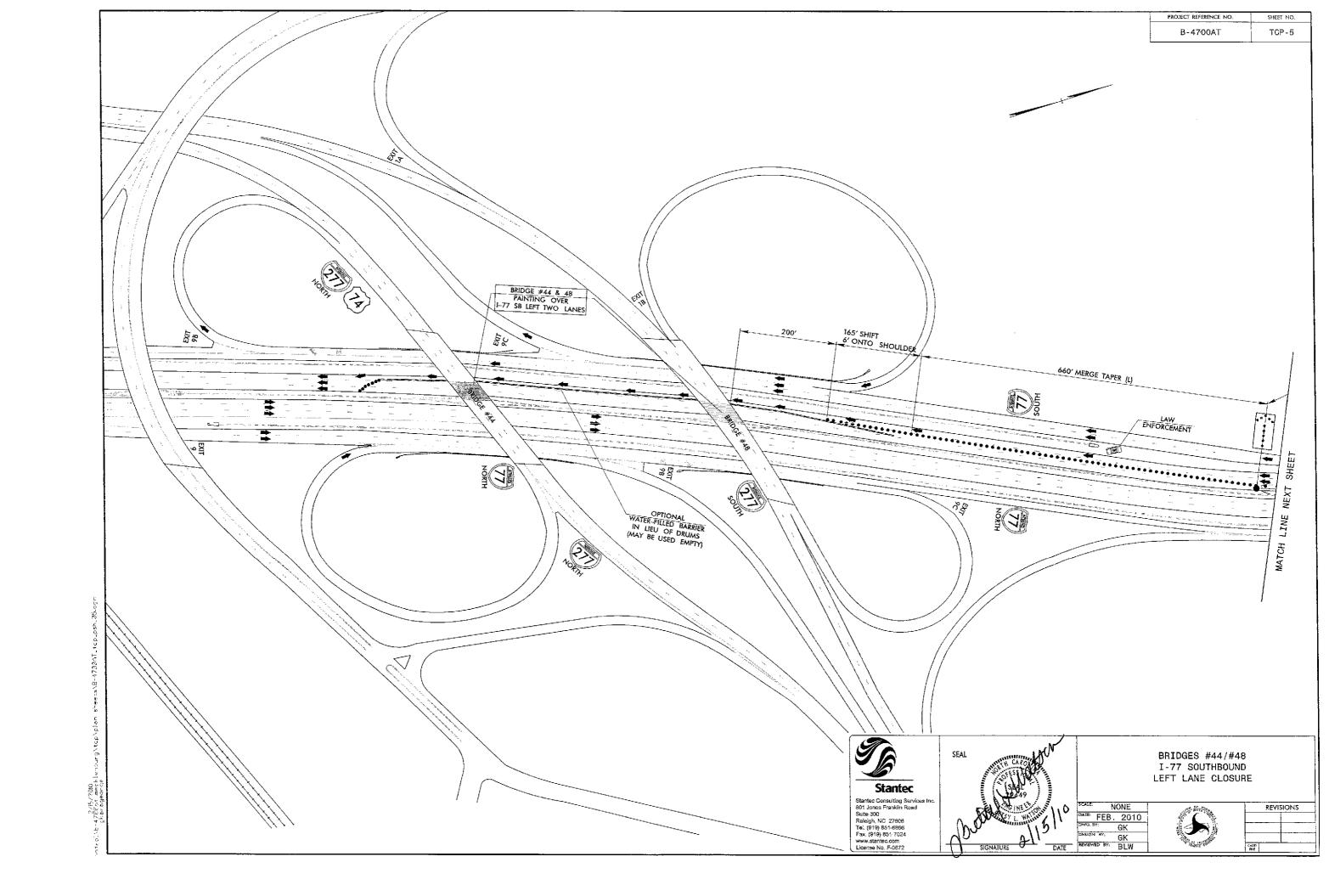
Stantec Consulting Services Inc. 801 Jones Franklin Road Sufte 300 Rateigh, NC 27806 Tel. (919) 851-8866 Fax. (919) 851-7024 www.stantec.com License No. F-0872

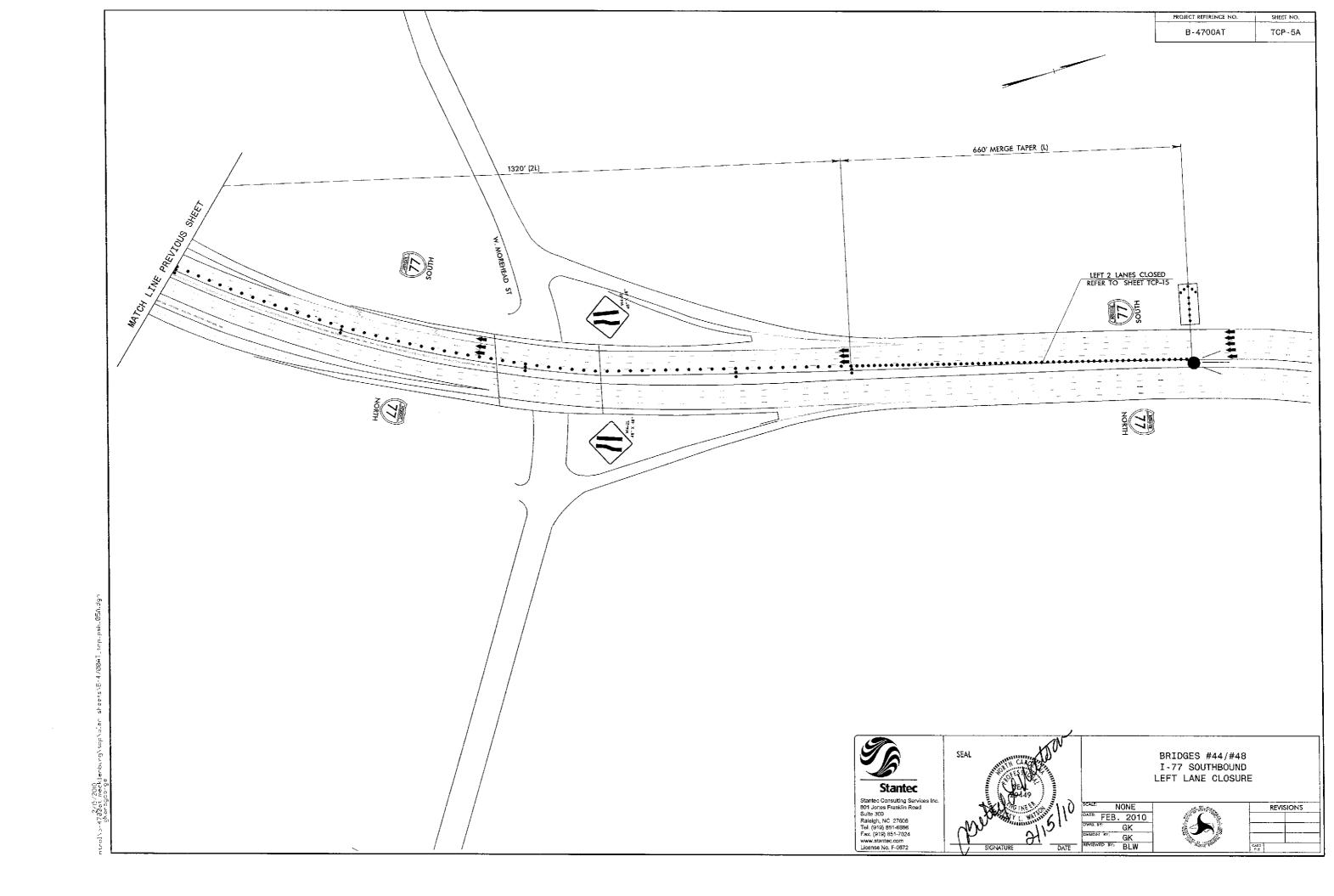


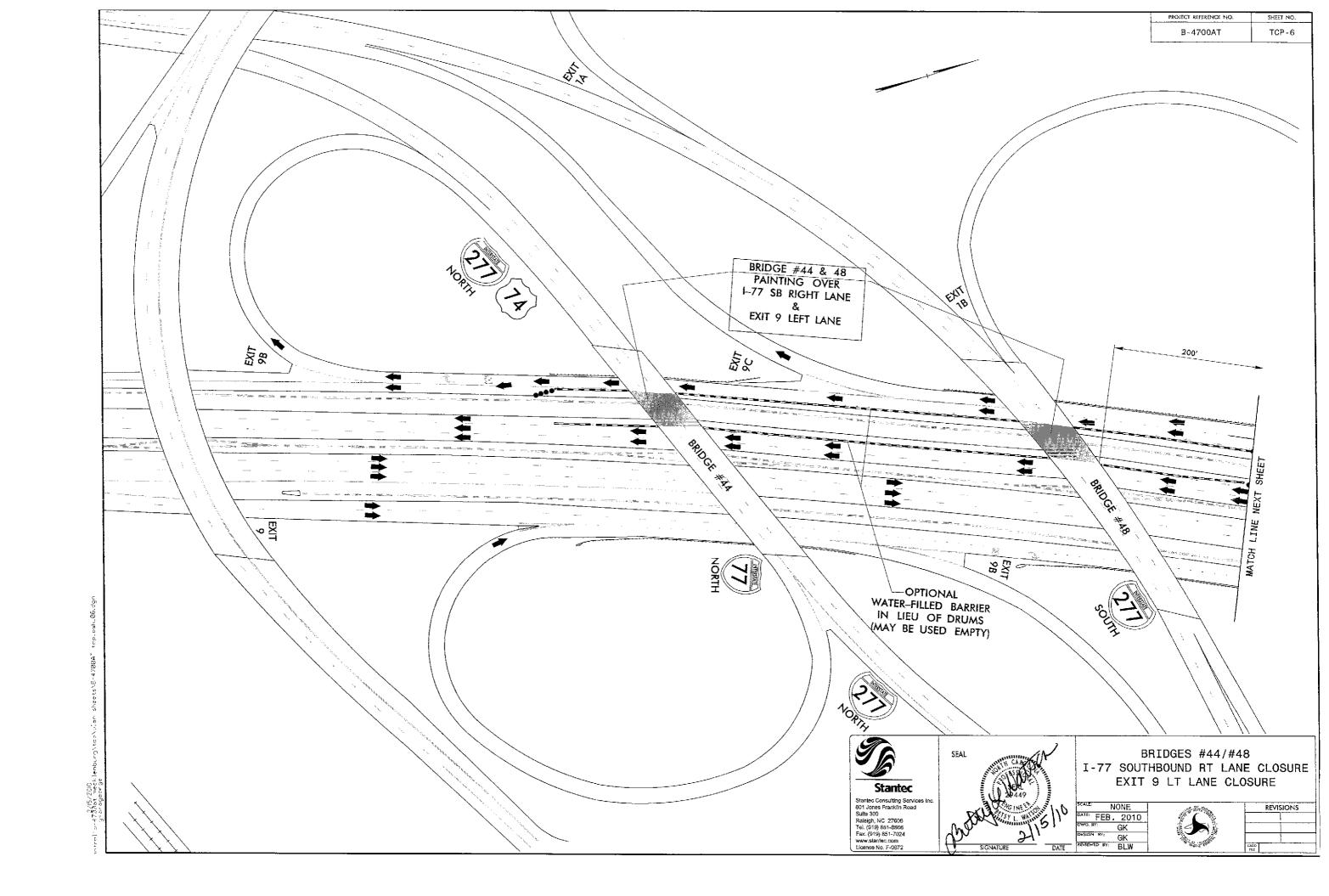
TRAFFIC CONTROL PHASING

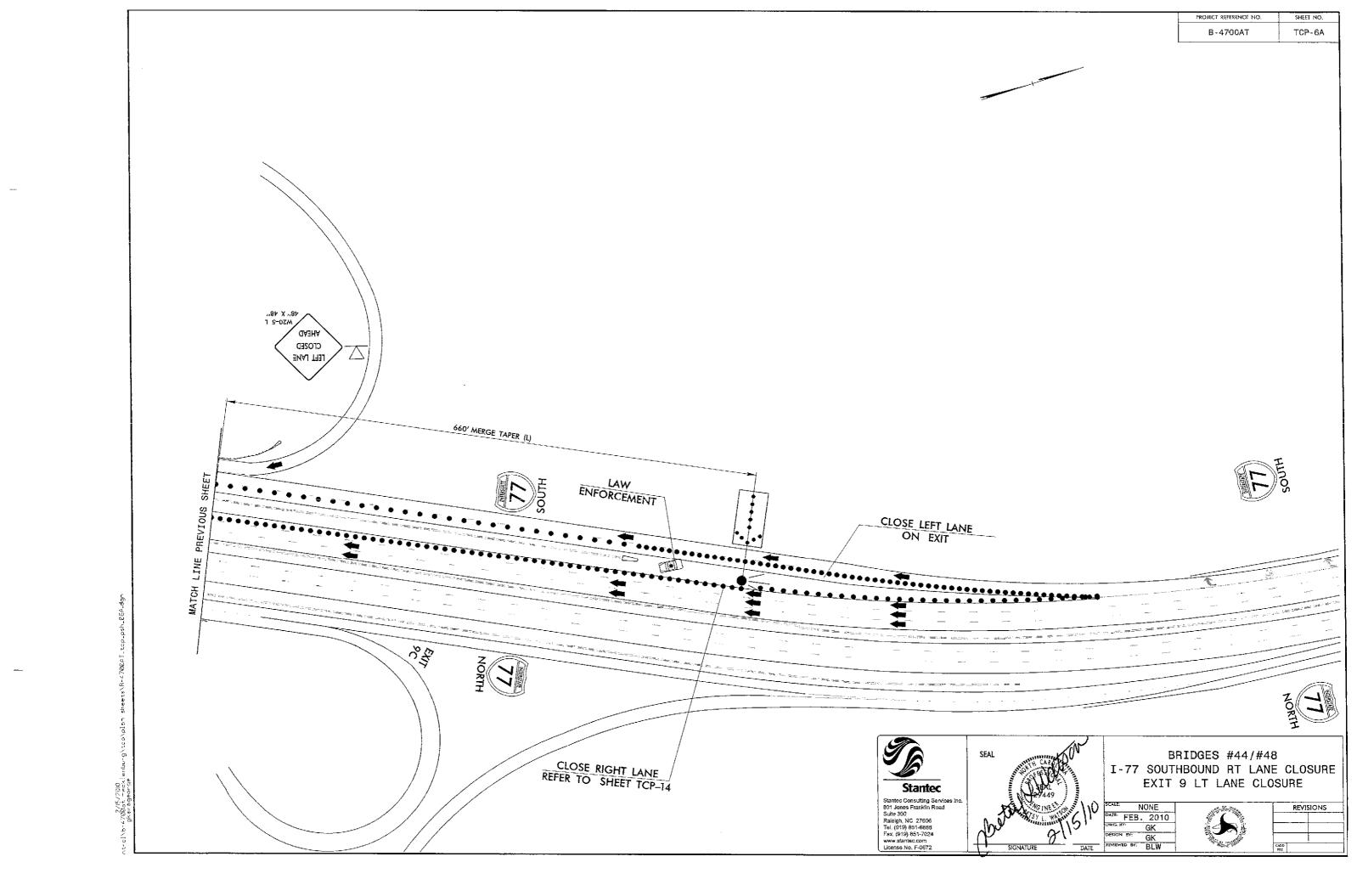
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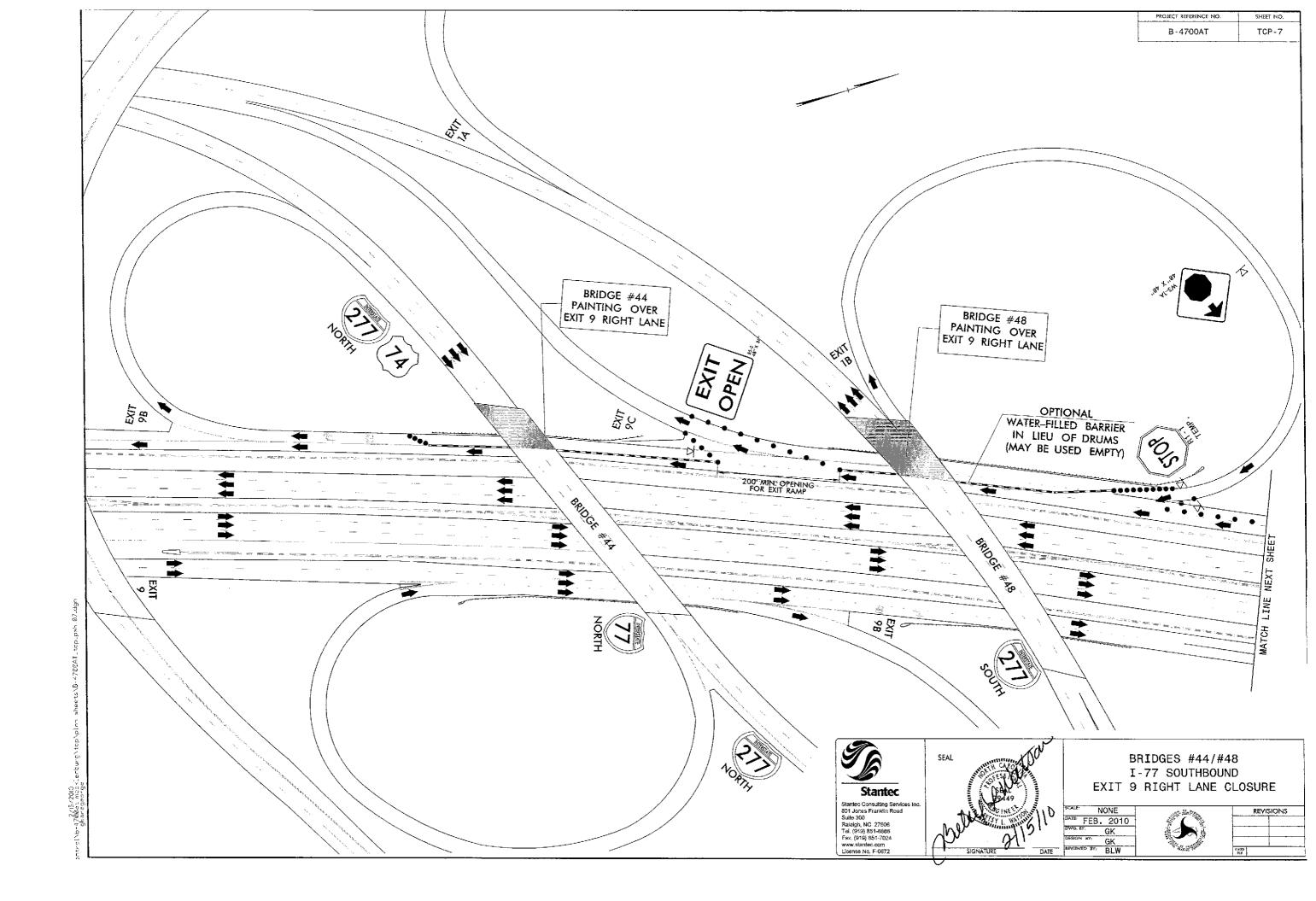
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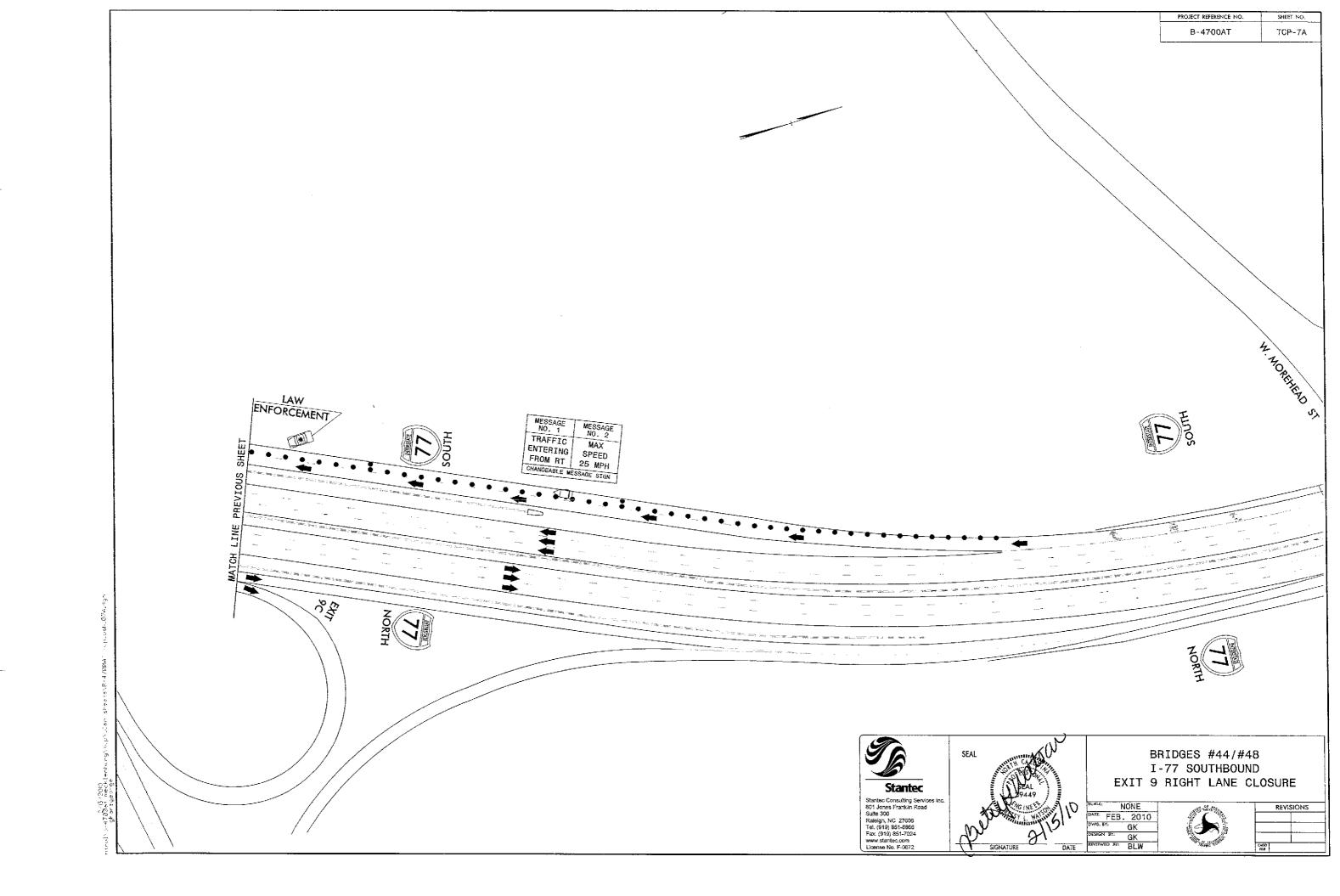


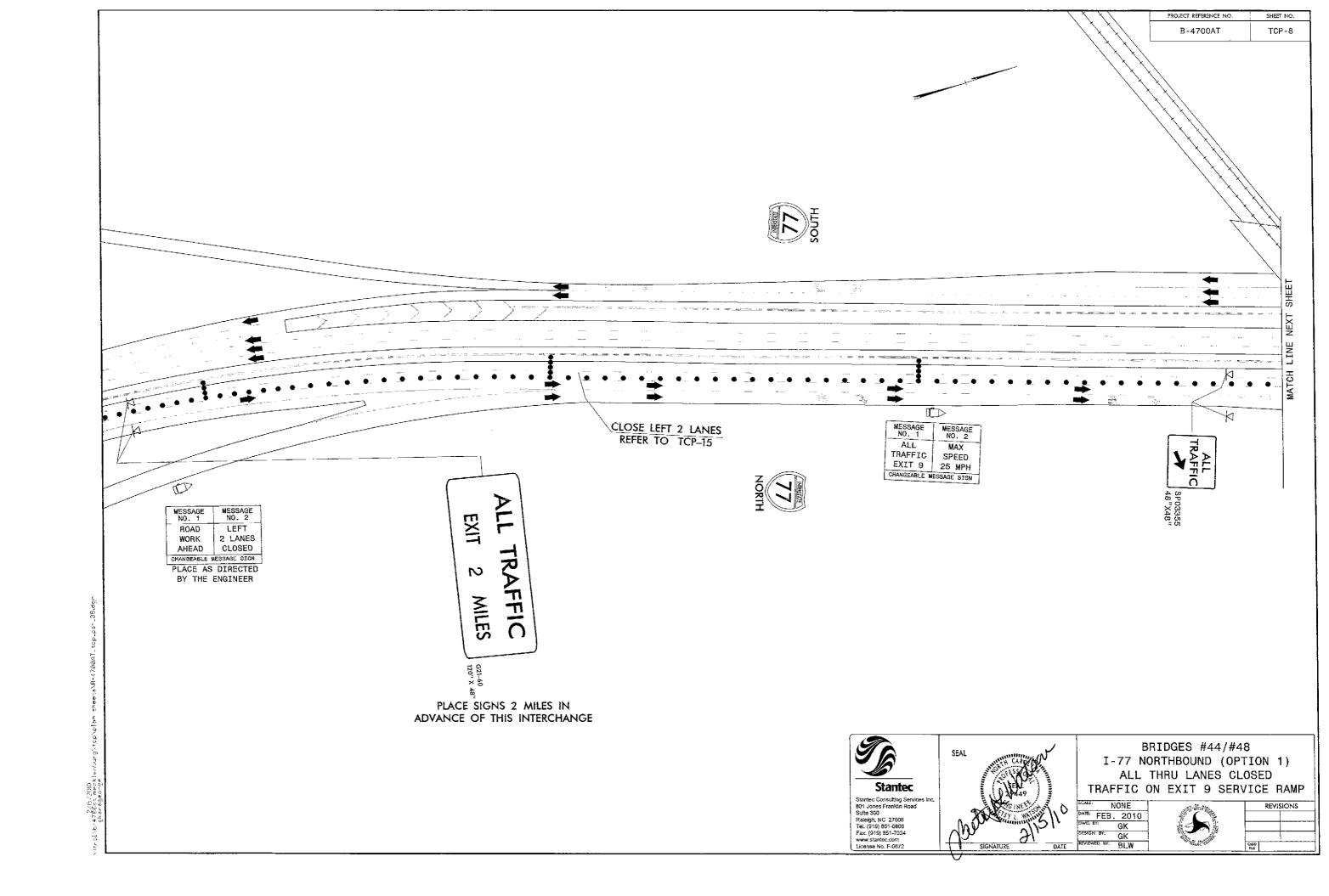


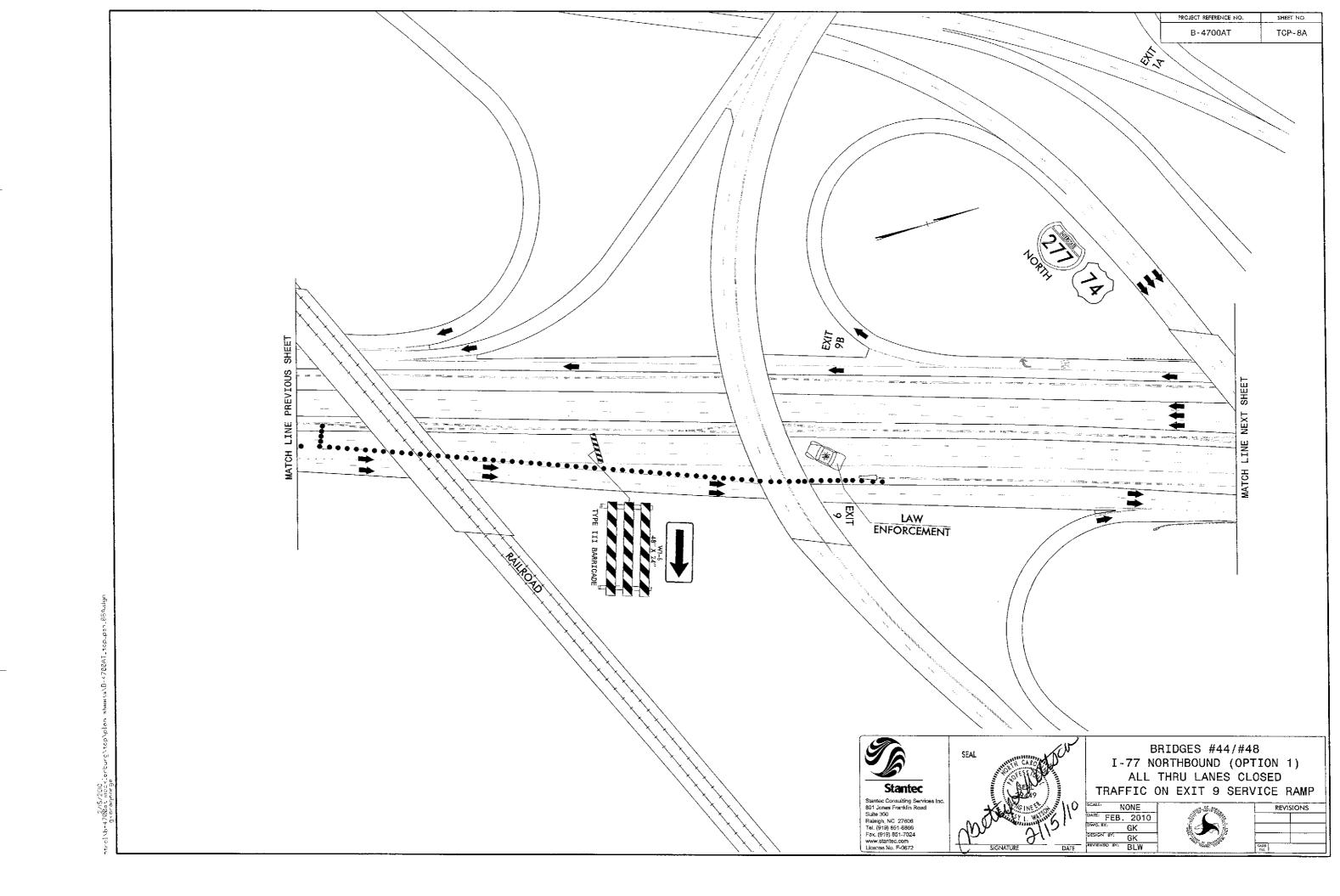


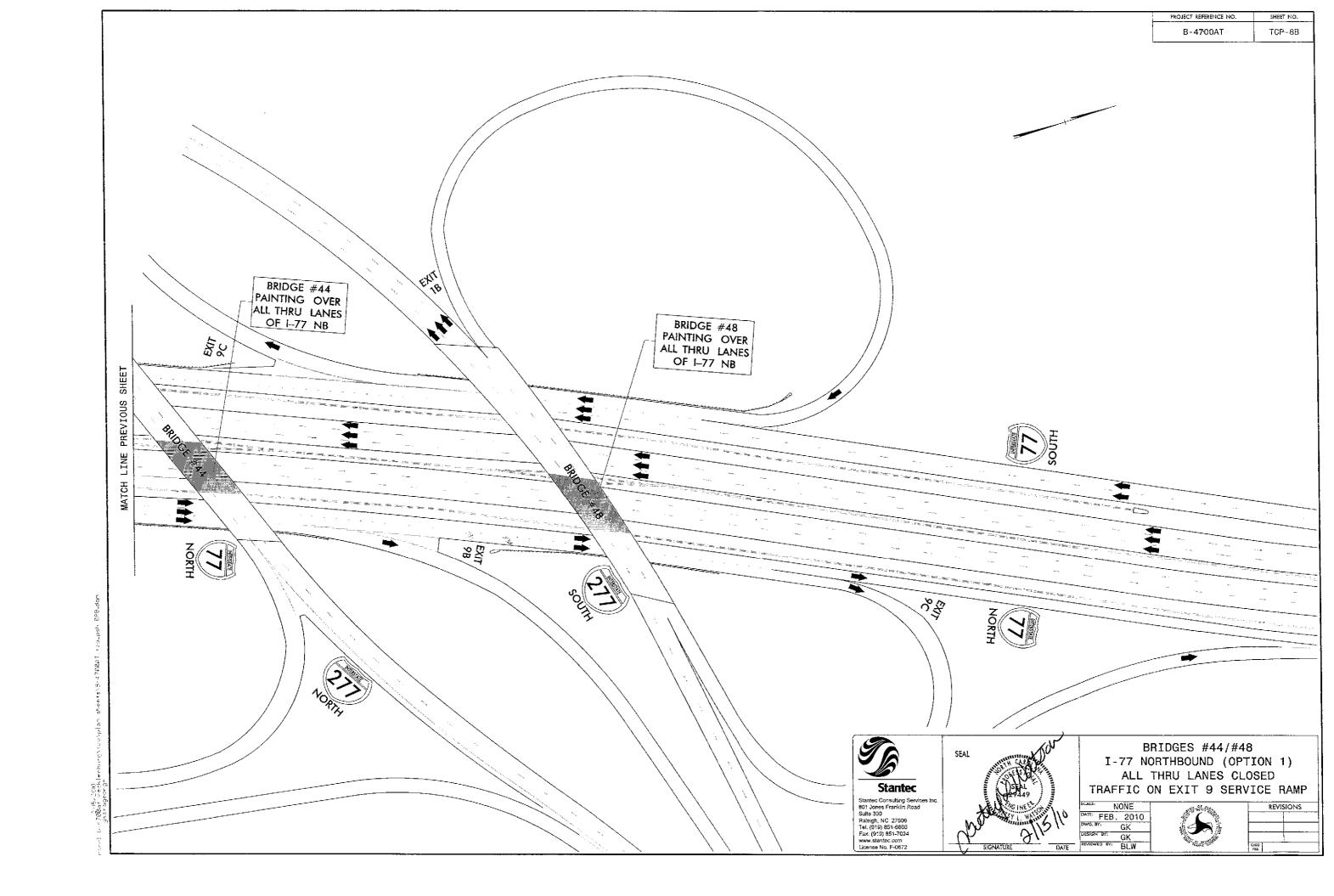


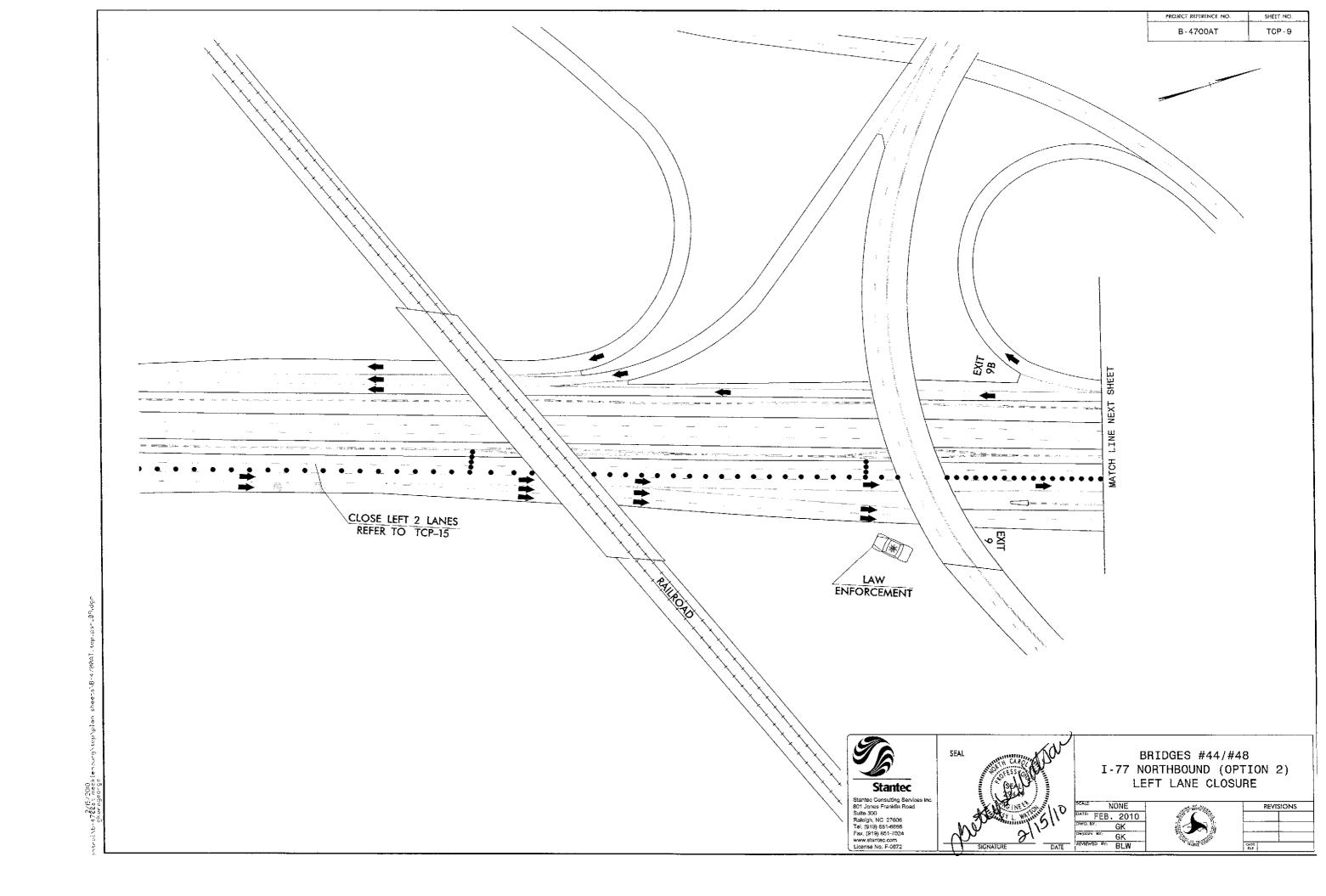


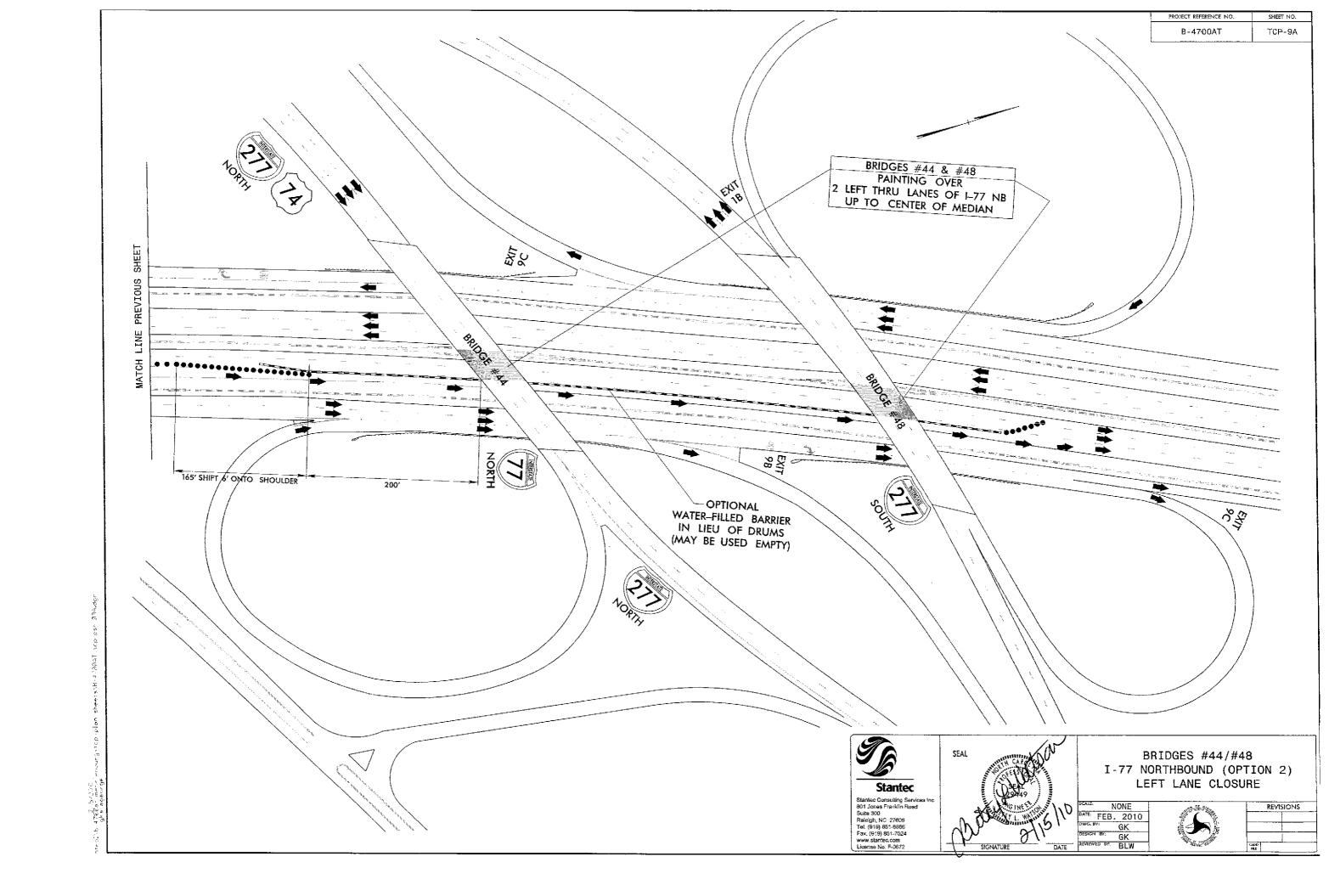


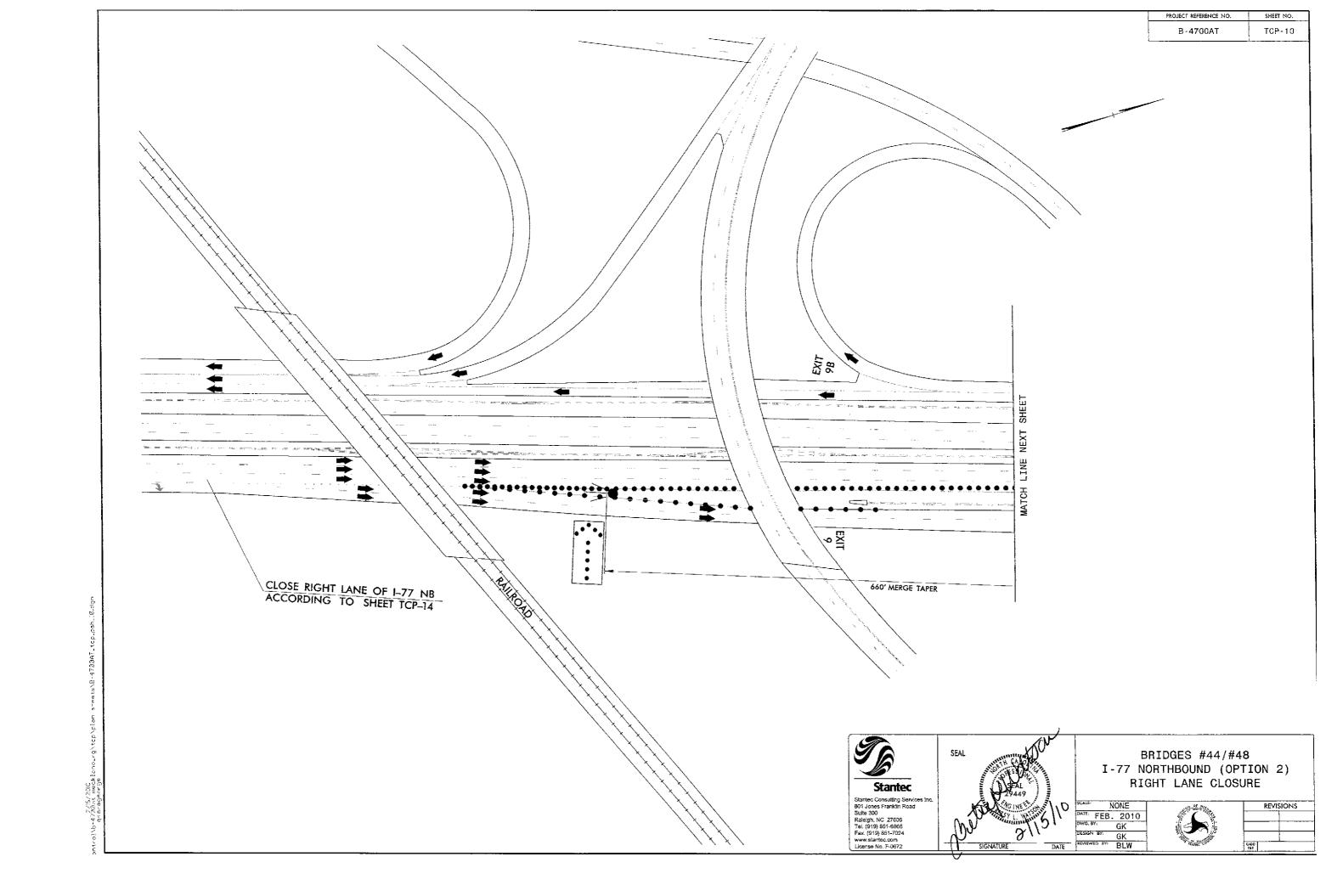


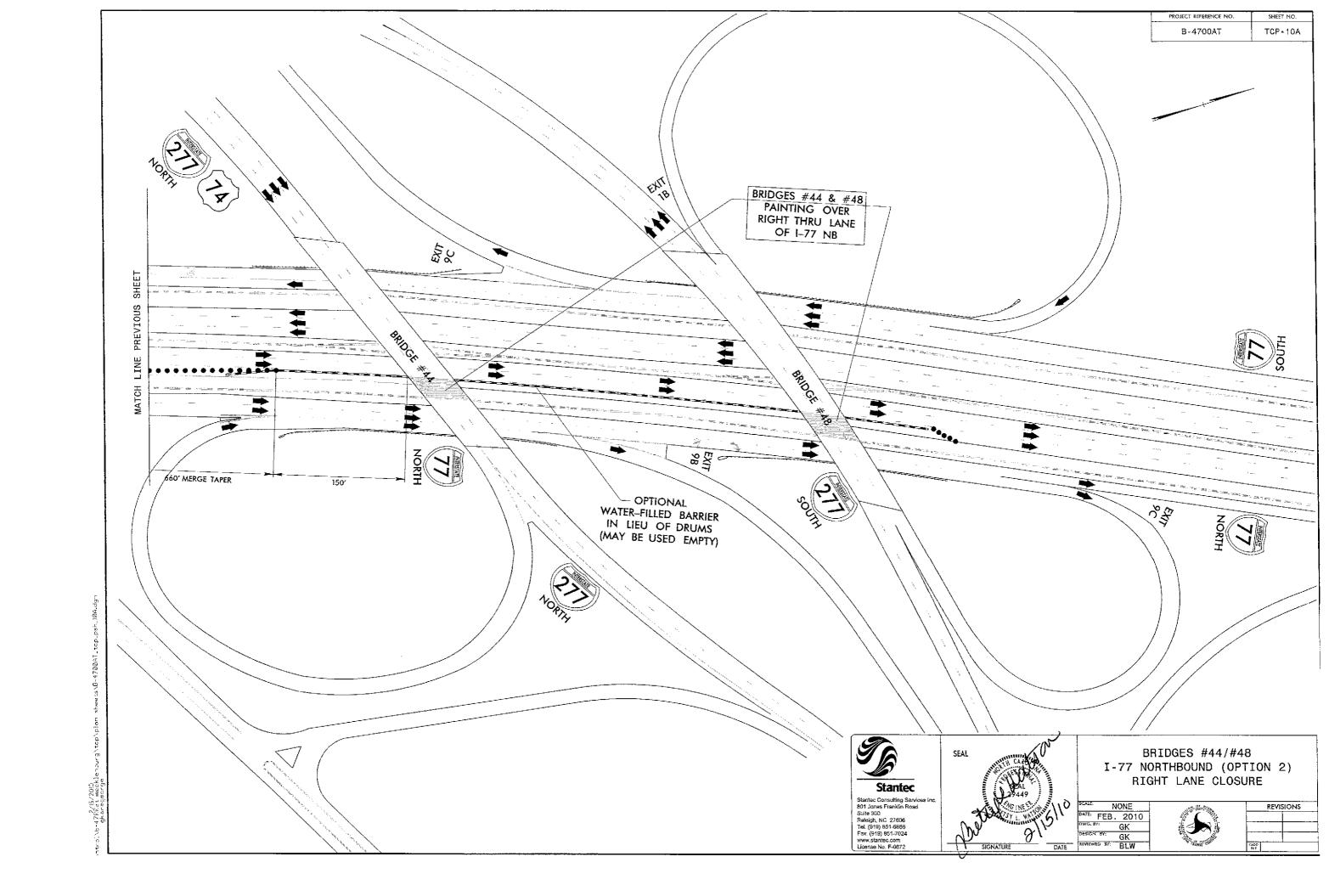


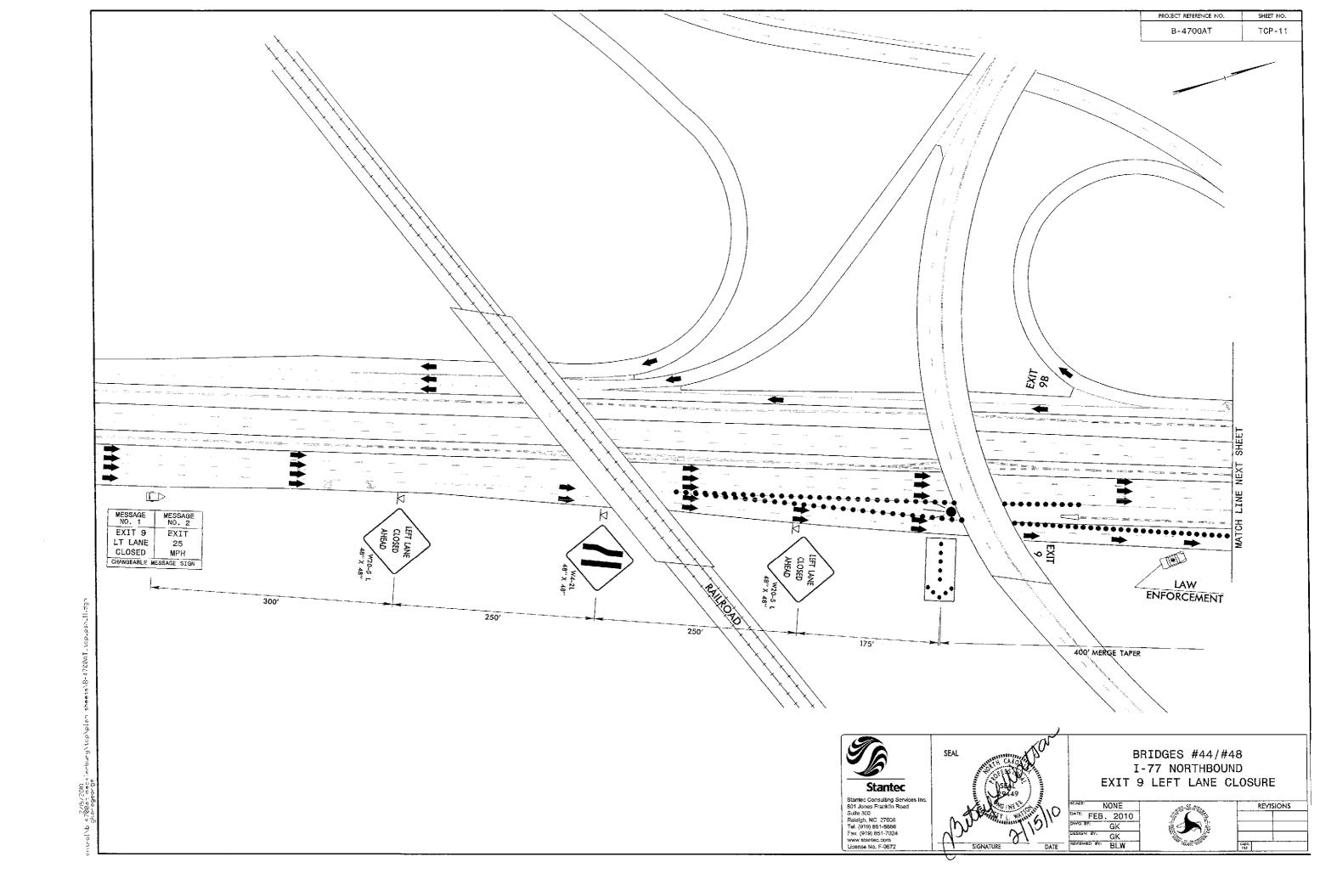


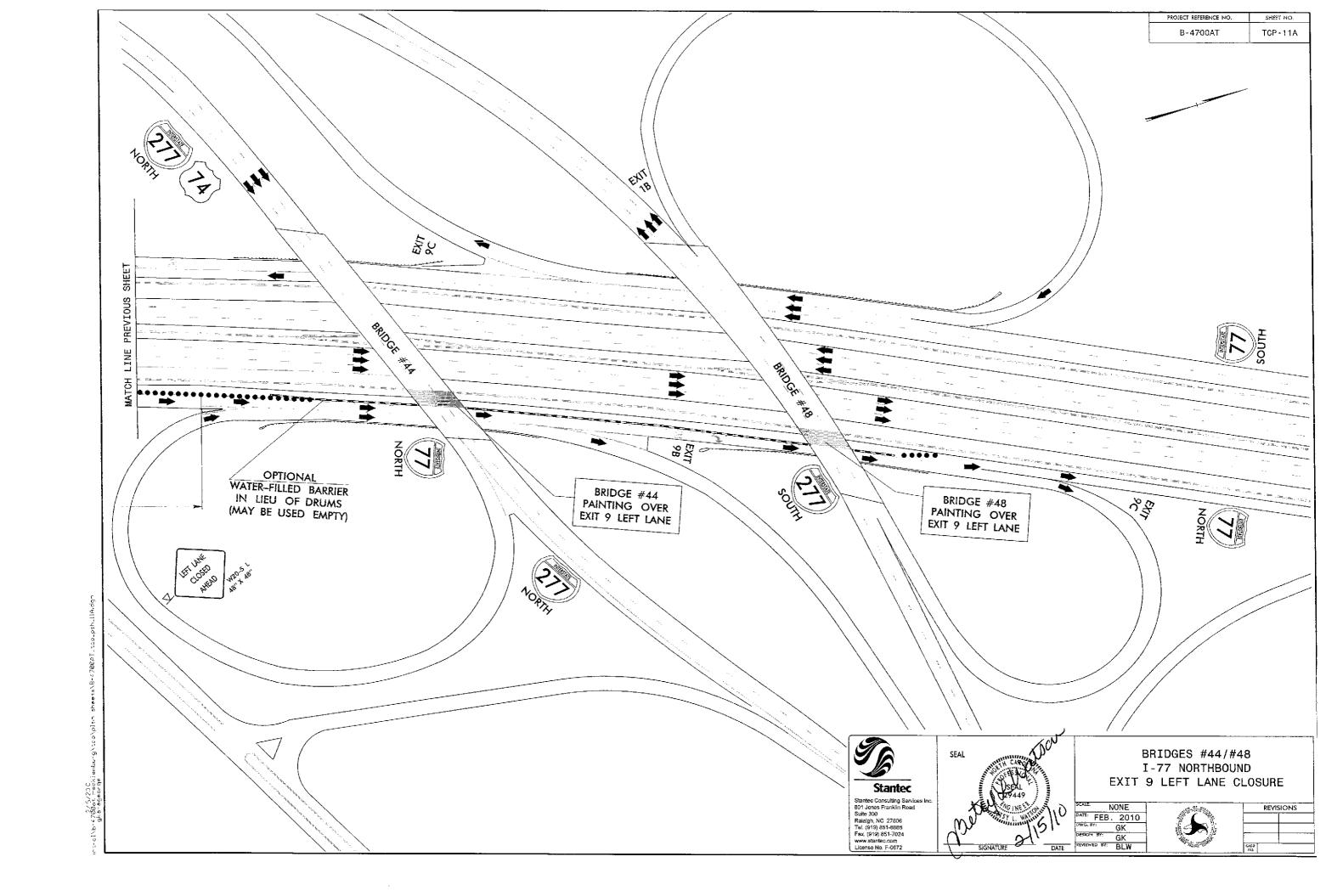


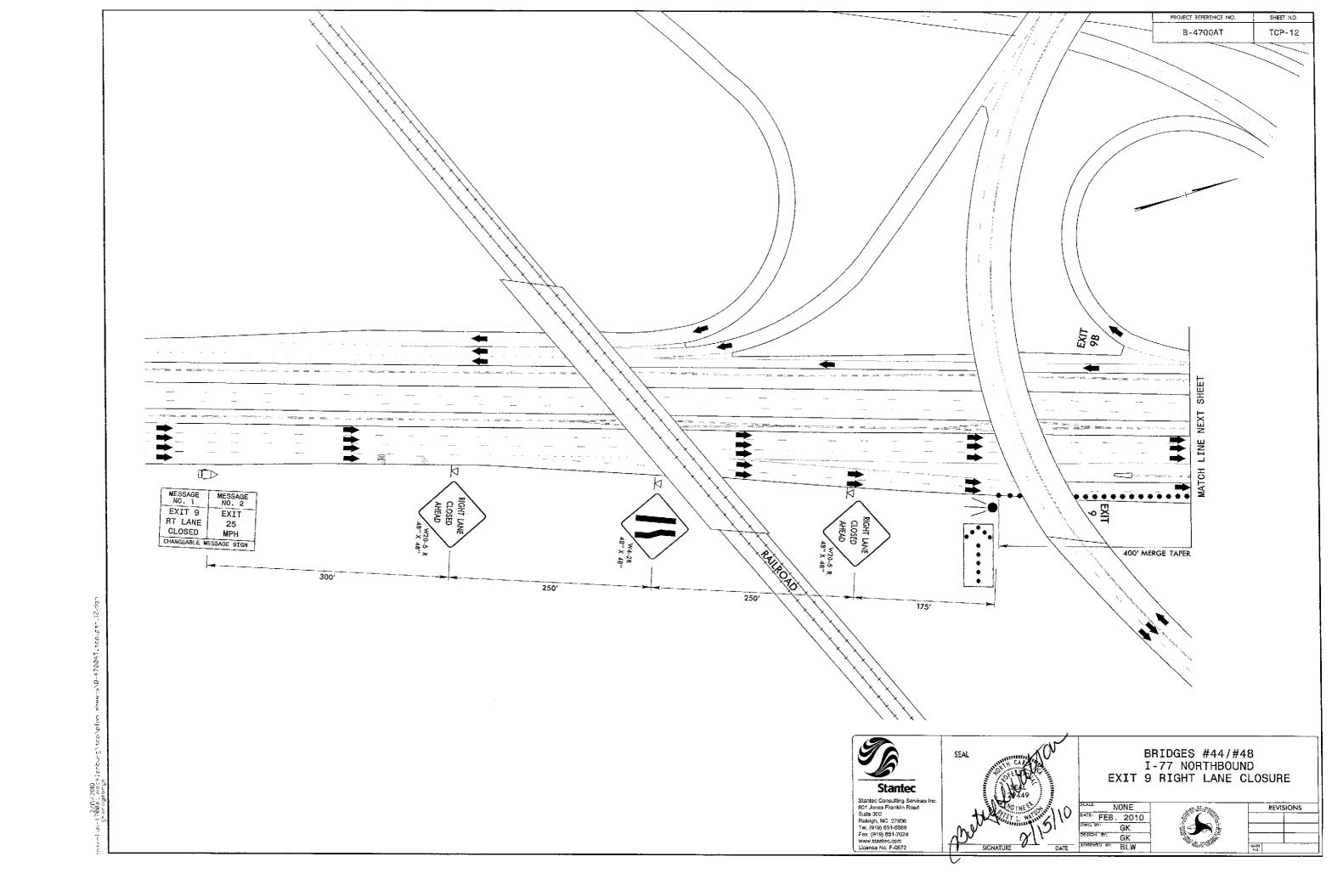


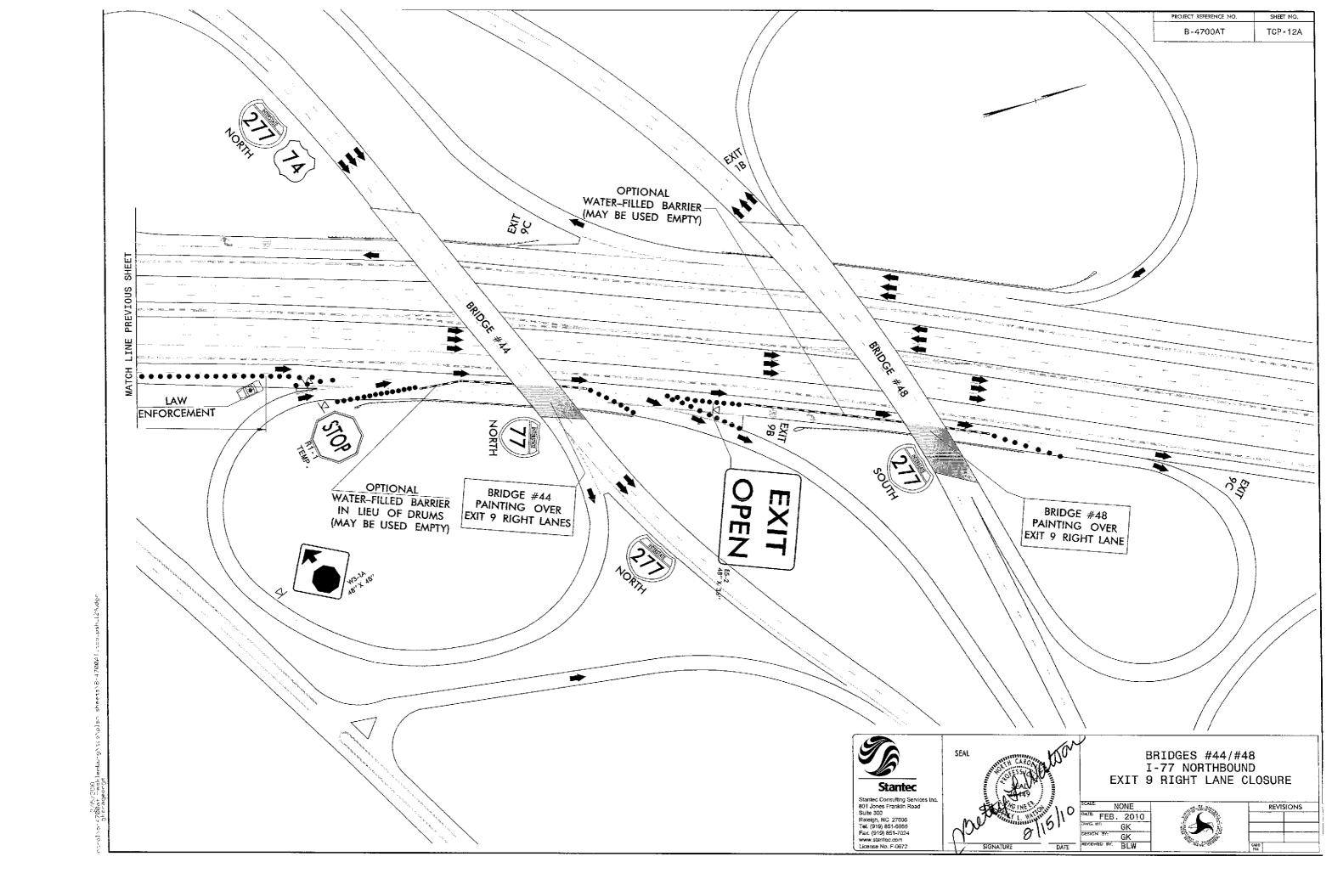


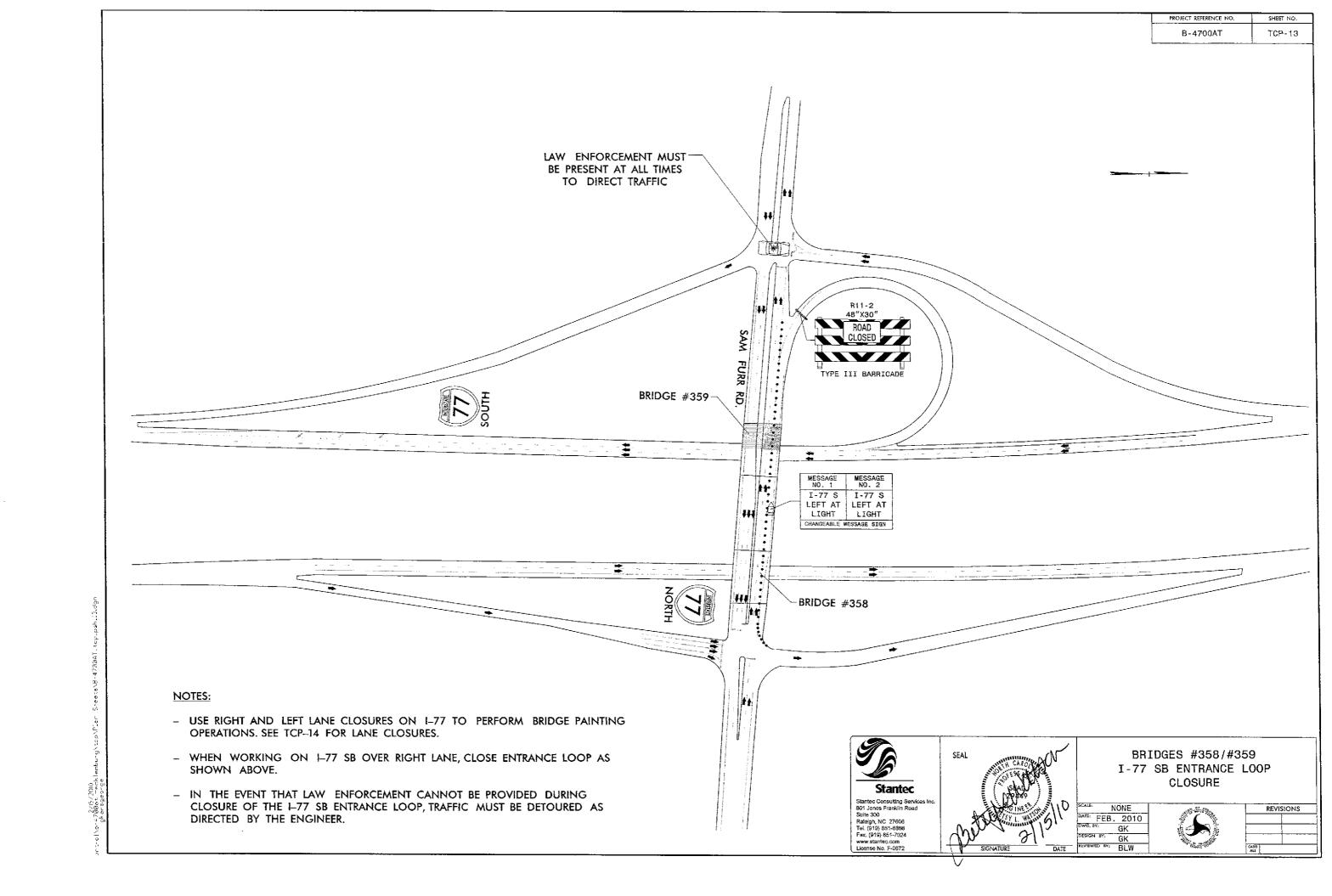


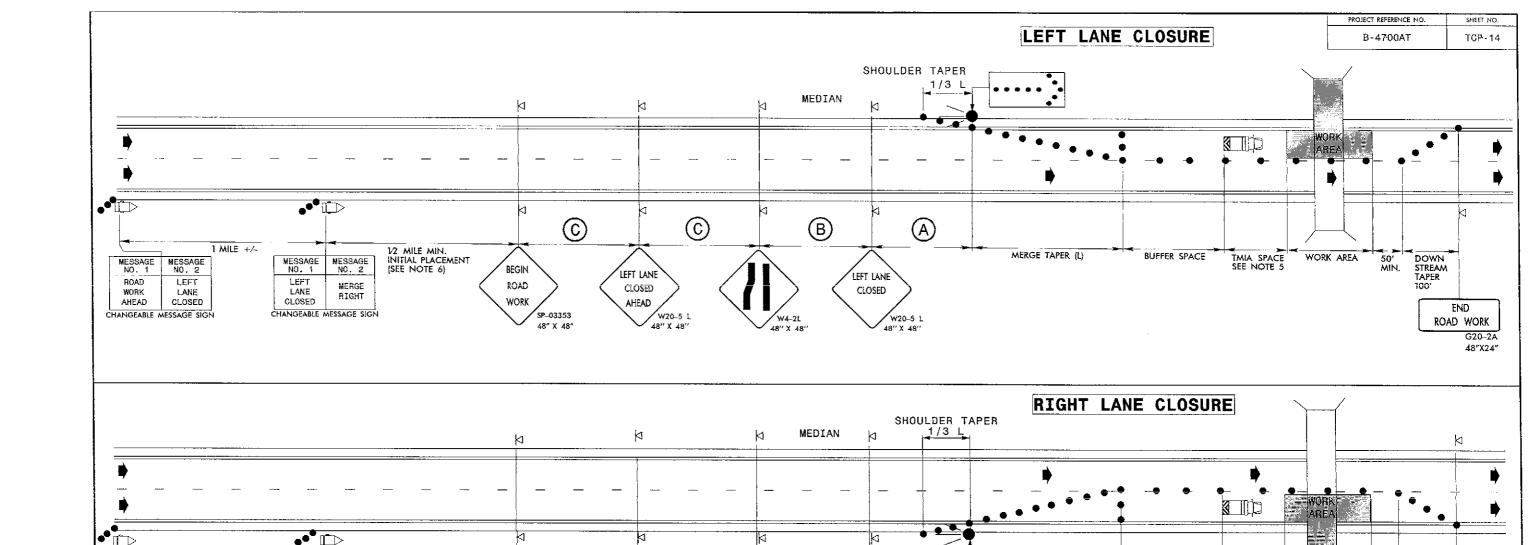












 \bigcirc

W4-2R

(A)

W20-5 R

RIGHT LANE

CLOSED

MERGE TAPER (L)

BUFFER SPACE

(C)

RIGHT LAN

CLOSED

AHEAD

W20-5 R 48" X 48"

NOTES

CHANGEABLE MESSAGE SIGN

MESSAGE NO. 1

ROAD

WORK

AHEAD

MESSAGE NO. 2

RIGHT

IANE

CLOSED

1 MILE +/-

MESSAGE

NO. 1

RIGHT

LANE

CLOSED

CHANGEABLE MESSAGE SIGN

MESSAGE

NO. 2

MERGE

LEFT

1. PLACE ARROW PANELS ON THE SHOULDER (PAVED OR UNPAVED), PLACE ARROW PANELS WITHIN THE TAPER IF SHOULDERS DO NOT EXIST.

MEET THE REQUIREMENTS FOR STOPPING SIGHT DISTANCE AT THE ARROW PANEL LOCATION. IF NEEDED, EXTEND LANE CLOSURES

AT THE BUFFER SPACE, SUCH THAT STOPPING SIGHT DISTANCE TO THE ARROW PANEL IS MET. (SEE STD. 1101.11 SHEET 2).

BEĢIN

ROAD

WORK

- 2. PLACE DRUMS IN TAPERS AT THE MAXIMUM SPACING EQUAL IN FEET TO THE POSTED SPEED LIMIT. PLACE DRUMS ALONG THE BUFFER SPACE AND WORK AREA AT THE MAXIMUM SPACING EQUAL IN FEET TO 2 TIMES THE POSTED SPEED LIMIT.
- 3. REFER TO STD. 1101.11 SHEETS 1 & 4, FOR "L" DISTANCE AND SIGN SPACING.

1/2 MILE MIN.

INITIAL PLACEMENT (SEE NOTE 6)

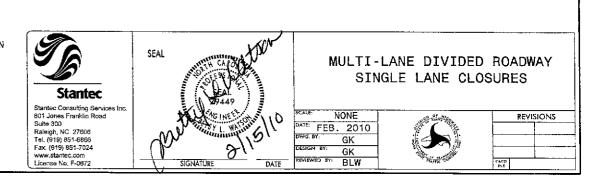
- 4. INSTALL LANE CLOSURES WITH THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE UPSTREAM SIDE OF TRAFFIC. REMOVE LANE CLOSURES AGAINST THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE DOWNSTREAM SIDE OF TRAFFIC.
- 5. TMIA'S ARE REQUIRED ONLY WHEN A BUFFER SPACE CANNOT BE ATTAINED, OR WHEN DIRECTED BY THE ENGINEER OR THE PLANS. WHEN USED, POSITION THE TMIA TO MAINTAIN A ROLL-AHEAD DISTANCE AS RECOMMENDED BY THE MANUFACTURER.

(C)

SP_03353

48" X 48"

6. PLACE CHANGEABLE MESSAGE SIGN (CMS) ON THE OUTSIDE OF THE TRAVELWAY AS DIRECTED BY THE ENGINEER. PLACE CMS APPROXIMATELY ½ MILE IN ADVANCE OF THE W20-5 SIGNS. IF TRAFFIC BACKS UP TO WHERE THE CMS IS INITIALLY PLACED, RELOCATE CMS ½ MILE FROM ANTICIPATED BACKUP. CONTINUE TO MONITOR TRAFFIC AND MOVE CMS APPROXIMATELY ½ MILE IN CONJUCTION WITH ANTICIPATED BACKUP.



TMIA SPACE SEE NOTE 5 WORK AREA

50'

DOWN

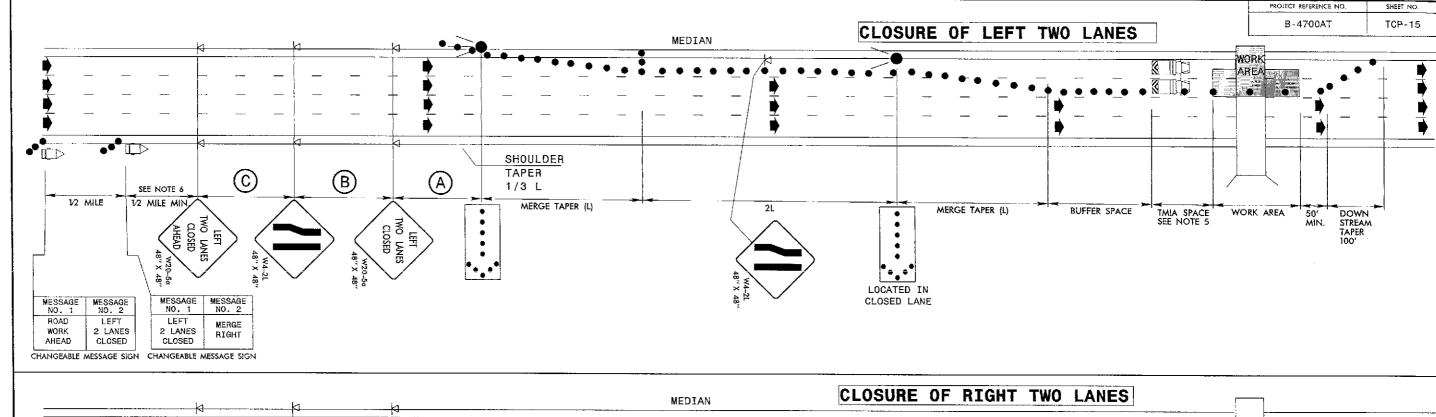
STREAM TAPER

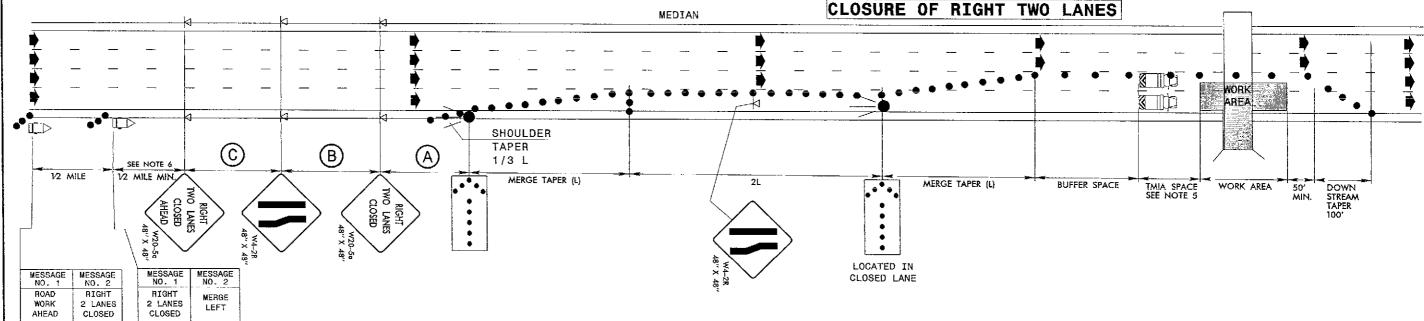
> G20-2A 48"X24"

END

ROAD WORK

jourping 4786al merkippourgnteprojan steedarff-4730al, tep p. 37 mageoras

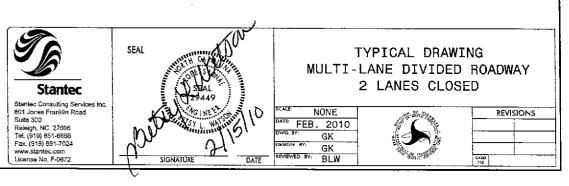




MOTE

CHANGEABLE MESSAGE SIGN CHANGEABLE MESSAGE SIGN

- 1. PLACE ARROW PANELS ON THE SHOULDER (PAVED OR UNPAVED). MEET THE REQUIREMENTS FOR STOPPING SIGHT DISTANCE AT THE ARROW PANEL LOCATION. IF NEEDED, EXTEND LANE CLOSURES AT THE BUFFER SPACE, SUCH THAT STOPPING SIGHT DISTANCE TO THE ARROW PANEL IS MET. (SEE STD. 1101.11 SHEET 2).
- 2. PLACE DRUMS IN TAPERS AT THE MAXIMUM SPACING EQUAL IN FEET TO THE POSTED SPEED LIMIT. PLACE DRUMS ALONG THE BUFFER SPACE AND WORK AREA AT THE MAXIMUM SPACING EQUAL IN FEET TO 2 TIMES THE POSTED SPEED LIMIT.
- 3. REFER TO STD. 1101.11 SHEETS 1 & 4, FOR "L" DISTANCE AND SIGN SPACING.
- 4. INSTALL LANE CLOSURES WITH THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE UPSTREAM SIDE OF TRAFFIC. REMOVE LANE CLOSURES AGAINST THE TRAFFIC FLOW, BEGINNING WITH DEVICES ON THE DOWNSTREAM SIDE OF TRAFFIC.
- 5. TMIA'S ARE REQUIRED ONLY WHEN A BUFFER SPACE CANNOT BE ATTAINED, OR WHEN DIRECTED BY THE ENGINEER OR THE PLANS. WHEN USED, POSITION THE TMIA TO MAINTAIN A ROLL-AHEAD DISTANCE AS RECOMMENDED BY THE MANUFACTURER.
- 6. PLACE CHANGEABLE MESSAGE SIGN (CMS) ON THE OUTSIDE OF THE TRAVELWAY AS DIRECTED BY THE ENGINEER. PLACE CMS APPROXIMATELY 1/2 MILE IN ADVANCE OF THE W20-5 SIGNS. IF TRAFFIC BACKS UP TO WHERE THE CMS IS INITIALLY PLACED, RELOCATE CMS 1/2 MILE FROM ANTICIPATED BACKUP. CONTINUE TO MONITOR TRAFFIC AND MOVE CMS APPROXIMATELY 1/2 MILE IN CONJUCTION WITH ANTICIPATED BACKUP.



antrol/b=4700A1-2000 antrol/b=4700A1-top. okarunka-ee