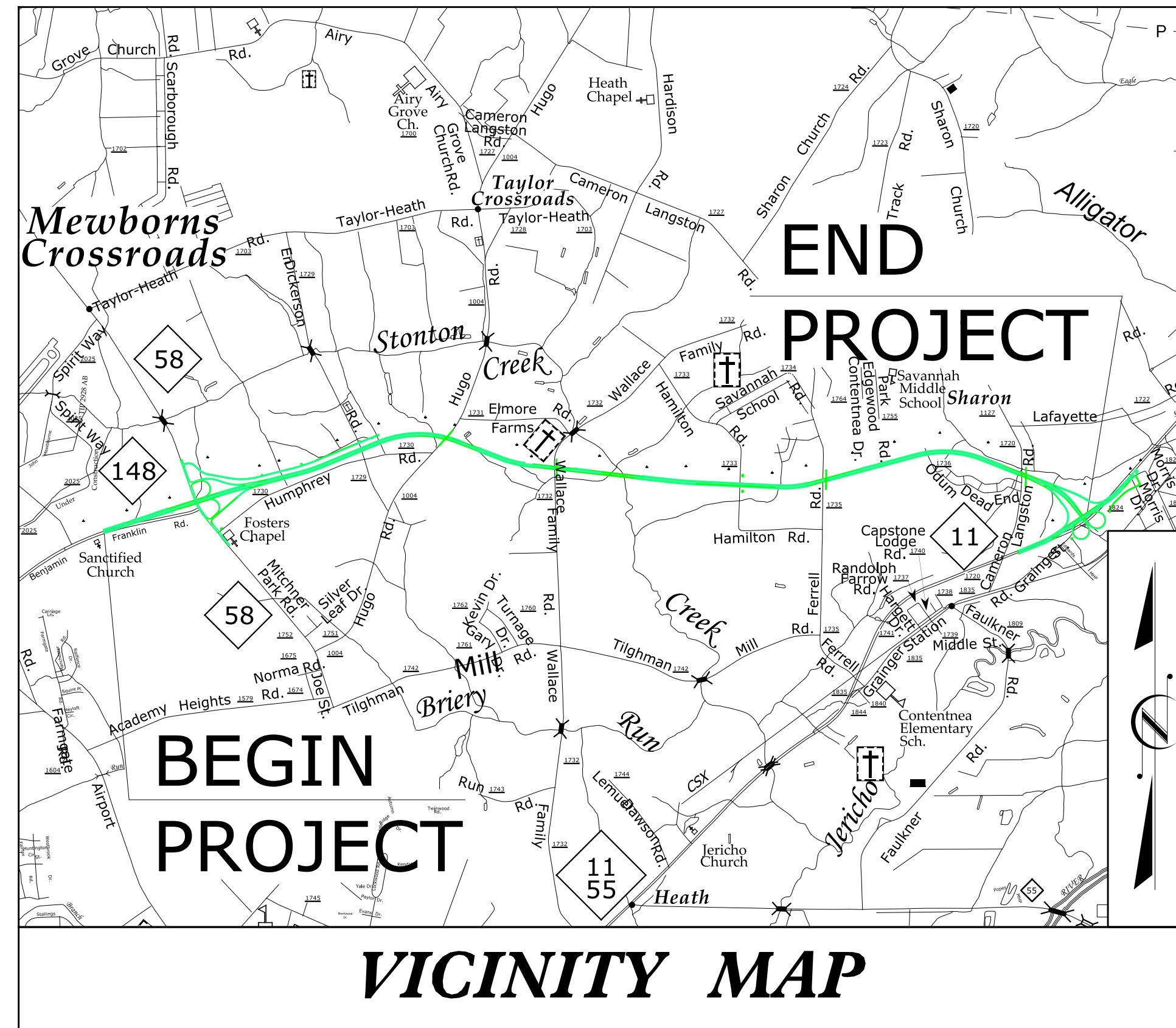
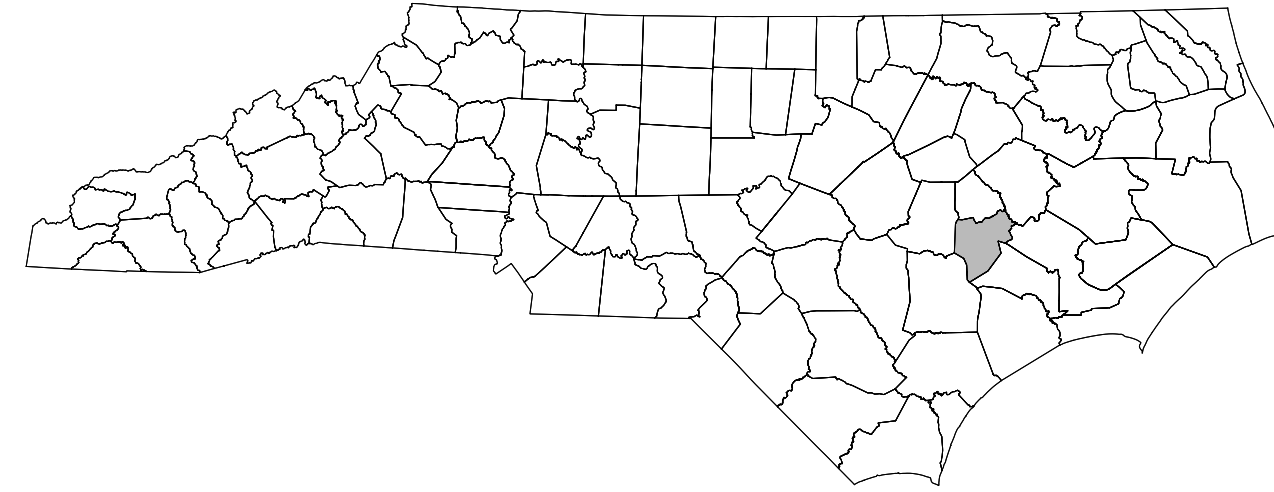


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

LENOIR COUNTY
DIVISION 2

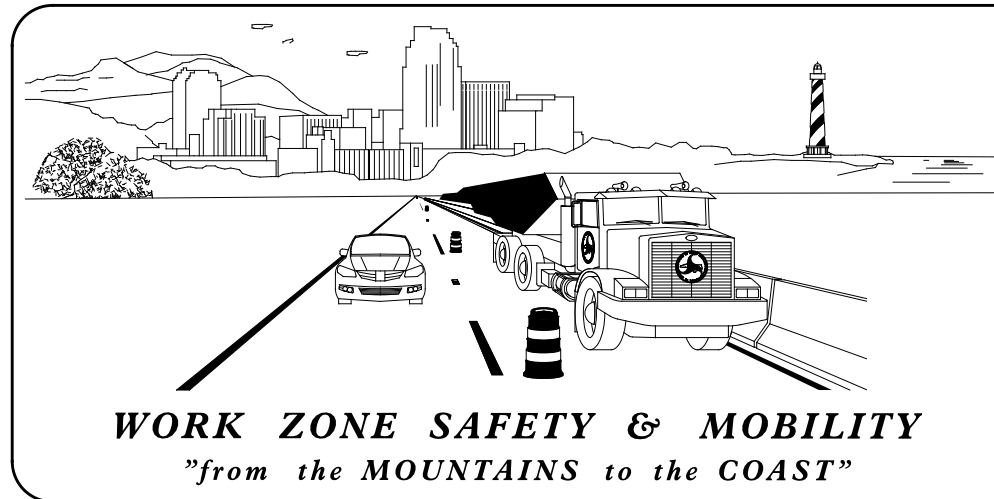


VICINITY MAP

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP AND INDEX
TMP-1A	APPLICABLE ROADWAY STANDARD DRAWINGS LEGEND TEMPORARY PAVEMENT MARKING LEGEND
TMP-1B, TMP-1C	GENERAL NOTES
TMP-1D	WORK ZONE IMPACTS MANAGEMENT STRATEGIES
TMP-2 TMP-2A TO TMP-2D	TEMPORARY BARRIER APPROACH END TREATMENT TEMPORARY DETOUR SIGN DESIGNS
TMP-3	PHASING NARRATIVE
TMP-4	PHASE I OVERVIEW
TMP 4A-4N	PHASE I
TMP-4CDET, 4CDET1 TMP-4EDET TMP-4FDET TMP-4HDET TMP-4IDET	DETOUR NC 58 DETOUR HUGO RD. DETOUR WALLACE FAMILY FARM RD. DETOUR FERRELL RD. DETOUR SHARON CHURCH RD.
TMP-5 TMP-5A TO TMP-5F TMP-5EDET	PHASE II OVERVIEW PHASE II DETOUR NC 11
TMP-6 TMP-6A TO TMP-6H	PHASE III STEPS 1 & 2 OVERVIEW/NC148/NC58 DETOUR PHASE III STEPS 1 & 2
TMP-7 TMP-7A TO TMP-7C2	PHASE III STEP 3 OVERVIEW PHASE III STEP 3

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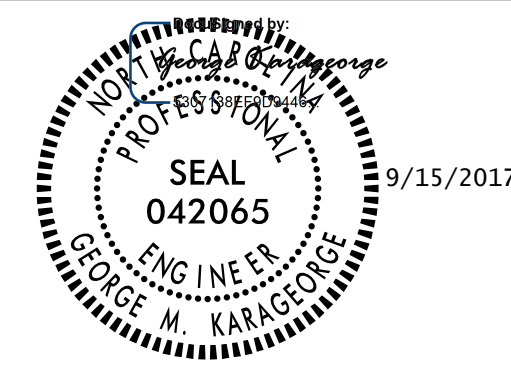


N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 773-2800 FAX: (919) 771-2745

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PROJ. REFERENCE NO.	SHEET NO.
R-5703	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
1101.03	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 BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING

LEGEND

GENERAL

- EXIST. PVMT.
- PROPOSED PVMT.
- ← DIRECTION OF TRAFFIC FLOW

WORK AREAS

- PROPOSED ROADWAY
- PROPOSED ROADWAY PREVIOUSLY STARTED (ONGOING CONSTRUCTION)
- TEMPORARY PAVEMENT
- PAVEMENT REMOVAL

TEMPORARY TRAFFIC CONTROL DEVICES

- TYPE III BARRICADE
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- CHANGEABLE MESSAGE SIGN (CMS)
- FLAGGER
- AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD)
- FLASHING ARROW BOARD (TYPE C)
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- WORK ZONE SIGN-PORTABLE
- WORK ZONE SIGN-STATIONARY
- WORK ZONE SIGN-STATIONARY OR PORTABLE
- TEMPORARY SHORING
- TEMPORARY CRASH CUSHION
- PORTABLE CONCRETE BARRIER (PCB)

SIGNALS

- EXISTING SIGNAL
- PROPOSED SIGNAL
- TEMPORARY SIGNAL

TEMPORARY PAVEMENT MARKING LEGEND

PAINT PAVEMENT MARKING LINES			
CODE	COLOR	LINE WIDTH	DESCRIPTION
P2	WHITE	24"	STOPBAR
P8	WHITE	4"	MINISKIP 2FT-6FT
PA	WHITE	4"	EDGE LINE
PB	YELLOW	4"	EDGE LINE
PC	WHITE	4"	SKIP
PD	WHITE	4"	MINISKIP 3FT-9FT
PE	WHITE	4"	LANE LINE
PF	YELLOW	4"	SKIP
PI	YELLOW	4"	DOUBLE CENTER SOLID/SOLID
PN	WHITE	8"	GORE LINE
PP	YELLOW	8"	DIAGONAL

PAINT PAVEMENT MARKING SYMBOLS & CHARACTERS		
CODE	COLOR	DESCRIPTION
QA	WHITE	LEFT TURN ARROW
QB	WHITE	RIGHT TURN ARROW
QC	WHITE	STRAIGHT ARROW
QD	WHITE	LEFT/STRAIGHT ARROW
QE	WHITE	RIGHT/STRAIGHT ARROW

PAVEMENT MARKING LINES

- DOUBLE YELLOW CENTER LINE
- SKIP LINES
- MINI-SKIP LINES
- SOLID LINES
- EXISTING LINES (GRAY)

PAVEMENT MARKING SYMBOLS & CHARACTERS

- PROPOSED SYMBOLS
- EXISTING SYMBOLS (HOLLOW)
- ALPHANUMERIC CHARACTERS

TEMPORARY RAISED PAVEMENT MARKERS

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

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GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 1B

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
NC 58, NC 11	6:00 A.M.- 8:30 A.M. MONDAY THRU FRIDAY

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

ROAD NAME
NC 58, NC 11

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 8:30 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:30 A.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:30 A.M. MONDAY.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:30 A.M. TUESDAY.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:30 A.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 8:30 A.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:30 A.M. TUESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:30 A.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:30 A.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) TEMPORARY ROAD CLOSURES ARE NOT ALLOWED EXCEPT AT THE SPECIFIC TIMES STATED IN THE PLANS OR DIRECTED BY THE ENGINEER.

D) NOTE NOT USED. HAULING NOTE REMOVED.

E) 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.


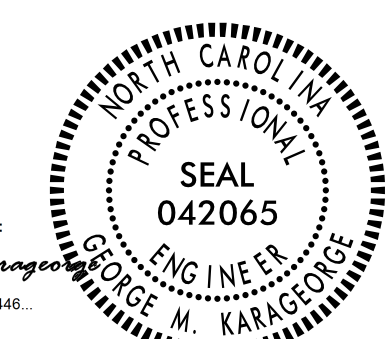
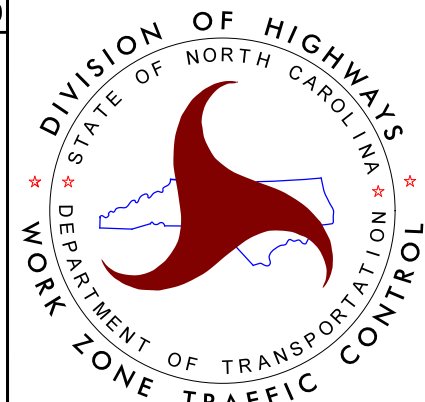
LANE AND SHOULDER CLOSURE REQUIREMENTS

- F) 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.
 - G) 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.
 - H) 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.
- I) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRANSPORTATION MANAGEMENT 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.
 - J) 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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- K) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN TRAVEL LANE THAT HAS A 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.
- L) 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.

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 8000 Regency Parkway, Suite 600, Cary, NC 27518 Phone: (919) 463-5488 MBAKERINTL.COM	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL DocuSigned by: George Karageorgos 5307138E9D9446 11/20/2017			GENERAL NOTES
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GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 1B

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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.

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

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 58, NC 11	6:00 A.M.- 8:30 A.M. MONDAY THRU FRIDAY

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

ROAD NAME
NC 58, NC 11

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 8:30 A.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:30 A.M. THE FOLLOWING TUESDAY.
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- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:30 A.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) TEMPORARY ROAD CLOSURES ARE NOT ALLOWED EXCEPT AT THE SPECIFIC TIMES STATED IN THE PLANS OR DIRECTED BY THE ENGINEER.

D) DO NOT CONDUCT SINGLE OR MULTI-VEHICLE HAULING AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 58/NC11/NC148	6:00-8:30 A.M. MONDAY THRU FRIDAY

E) 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.

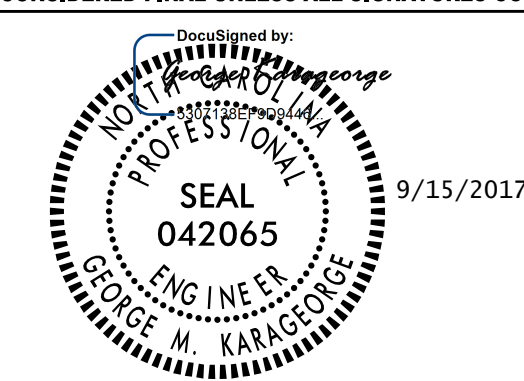
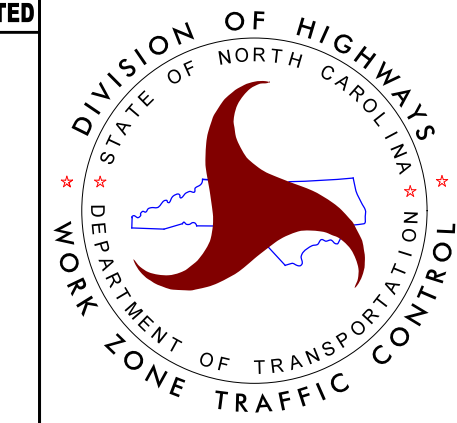
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- F) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
 - G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN 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.
 - H) 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.
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- I) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRANSPORTATION MANAGEMENT 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.
 - J) 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.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- K) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN TRAVEL LANE THAT HAS A DROP-OFF AS FOLLOWS:
 - BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
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 - BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- L) 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.

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GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-1C

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

N) 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.

O) PROVIDE SIGNING AND DEVICES REQUIRED FOR ALL ROAD CLOSURES ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRANSPORTATION MANAGEMENT PLANS.

AND

PROVIDE SIGNING REQUIRED FOR ALL OFF-SITE DETOUR ROUTES AS SHOWN IN THE TRANSPORTATION MANAGEMENT PLANS.

P) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED FOR ROAD CLOSURES WHEN ROAD CLOSURES ARE NOT IN EFFECT.

AND

COVER OR REMOVE ALL SIGNS REQUIRED FOR OFF-SITE DETOURS WHEN DETOURS ARE NOT IN EFFECT.

Q) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

R) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

S) WHEN LANE CLOSURES ARE NOT IN EFFECT 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. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

T) PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

U) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
NC 11, NC 58, NC 148	PAINT	TEMPORARY RAISED
ALL OTHER ROADS	PAINT	NONE

V) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

W) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

X) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

Y) TRACE THE (EXISTING AND/OR PROPOSED) MONOLITHIC ISLAND LOCATIONS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO (REMOVAL AND/OR INSTALLATION). PLACE (DRUMS, CONES, OR TUBULAR MARKERS) TO DELINEATE ANY (EXISTING AND/OR PROPOSED) MONOLITHIC ISLANDS (AFTER REMOVAL AND/OR BEFORE INSTALLATION).

TRAFFIC BARRIER

Z) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE/RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

PROTECT THE APPROACH END OF PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS:

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45-50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

MISCELLANEOUS

AA) USE LAW ENFORCEMENT TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND OR INTERSECTIONS AS SHOWN IN PLANS OR DIRECTED BY THE ENGINEER.

BB) ALL DIMENSIONING AND STATIONING IN THE TRANSPORTATION MANAGEMENT PLAN IS APPROXIMATE (±). REFER TO ROADWAY AND STRUCTURE DESIGN PLANS FOR EXACT DIMENSIONS AND STATIONING.

CC) MAINTAIN ACCESS TO ALL DRIVEWAYS.

TEMPORARY CLEAR ZONES

DD) AS A GENERAL GUIDELINE MAINTAIN A 30' TEMPORARY WORK AREA CLEAR ZONE FOR THE DURATION OF THIS PROJECT ON ALL ROADWAYS. DUE TO VARYING FIELD CONDITIONS THIS GUIDELINE MAY BE MODIFIED AS FOLLOWS AND/OR AS DIRECTED BY THE ENGINEER:


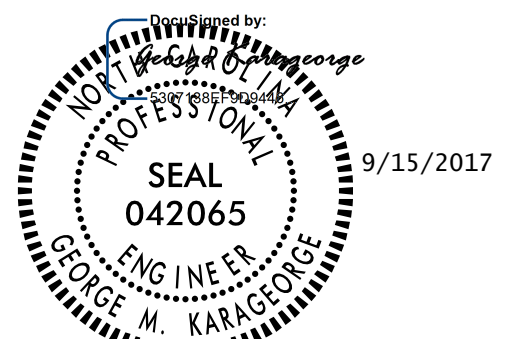
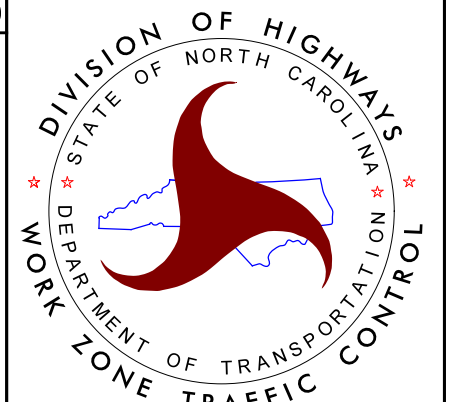
WHEN LANE CLOSURES ARE NOT IN EFFECT AND WORK IS NOT BEHIND TEMPORARY CONCRETE BARRIER OR GUARDRAIL THE FOLLOWING CLEAR ZONE REQUIREMENTS SHOULD BE MET:

-MOVE EQUIPMENT, MATERIALS, STOCKPILES AND OBSTACLES CREATED BY WORK OPERATIONS THAT WERE NOT EXISTING PRIOR TO WORK BEGINNING, TO A MINIMUM OF 30' FROM A TRAVELWAY.

-MOVE OBSTACLES SUCH AS STOCKPILES AND NON-ACTIVE EQUIPMENT AT LEAST 5' AWAY FROM THE BACK OF TEMPORARY CONCRETE BARRIER. IN GENERAL, IF STORING MATERIALS OR EQUIPMENT BEHIND ANY TYPE OF BARRIER THE DEFLECTION OF THE BARRIER SHOULD BE ACCOUNTED FOR AND ITEMS SHOULD NOT BE STORED IN THAT AREA.

-EXCAVATIONS OR OTHER IMMOVABLE OBSTRUCTIONS SHALL BE SAFED UP USING METHODS SUCH AS BACK-FILLING, COVERS, DELINEATION, ETC. METHODS USED MUST BE ACCEPTABLE TO THE ENGINEER.

9/14/2017 R:\Traffic\TrafficControl\TCP\TMP\PLAN SHEETS\NR-5703 TMP 01C GENERAL NOTES.dgn birgit.mackenzie

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WORK ZONE IMPACTS MANAGEMENT STRATEGIES

PROJ. REFERENCE NO. SHEET NO.

R - 5703 TMP - 1D

TEMPORARY TRAFFIC CONTROL (TTC)			TRANSPORTATION OPERATIONS (TO)			PUBLIC INFORMATION (PI)		
CONTROL STRATEGIES	TRAFFIC CONTROL DEVICES	PROJECT COORDINATION, CONTRACTING AND INNOVATIVE CONSTRUCTION STRATEGIES	DEMAND MANAGEMENT STRATEGIES	CORRIDOR/ NETWORK MANAGEMENT STRATEGIES	WORK ZONE SAFETY MANAGEMENT STRATEGIES	INCIDENT MANAGEMENT AND ENFORCEMENT STRATEGIES	PUBLIC AWARENESS STRATEGIES	MOTORIST INFORMATION STRATEGIES
CONSTRUCTION PHASING FULL ROADWAY CLOSURES LANE SHIFTS REDUCED LANE WIDTHS TO MAINTAIN NUMBER OF LANES (CONSTRUCTION) LANE CLOSURES TO PROVIDE WORKER SAFETY SHOULDER CLOSURES TO PROVIDE WORKER SAFETY ONE-LANE, TWO WAY OPERATION NIGHT WORK WEEKEND WORK LANE CLOSURE TIME RESTRICTIONS HAULING RESTRICTIONS OFF-SITE DETOURS WITH TIME RESTRICTIONS	TEMPORARY SIGNS o WARNING o REGULATORY o GUIDE/ INFORMATION CHANGEABLE MESSAGE SIGNS (CMS) ARROW BOARDS CHANNELIZING DEVICES TEMPORARY PAVEMENT MARKINGS FLAGGERS UNIFORMED LAW ENFORCEMENT OFFICERS LIGHTING DEVICES	PROJECT COORDINATION o UTILITIES COORDINATION o RIGHT-OF-WAY COORDINATION	NONE	NONE	TEMPORARY TRAFFIC BARRIER CRASH-CUSHIONS DELINEATION WARNING LIGHTS CONSTRUCTION SAFETY SUPERVISORS/ INSPECTORS ROAD SAFETY AUDITS TEAM MEETINGS PROJECT ON-SITE SAFETY TRAINING	COORDINATION WITH MEDIA LOCAL DETOUR ROUTES INCIDENT/EMERGENCY RESPONSE PLAN DEDICATED (PAID) POLICE ENFORCEMENT COOPERATIVE POLICE ENFORCEMENT	BROCHURES AND MAILERS PRESS RELEASES/MEDIA ALERTS PAID ADVERTISEMENTS PLANNED LANE CLOSURES PLANNED ROAD CLOSURES PUBLIC MEETINGS/HEARINGS COORDINATION WITH MEDIA/SCHOOLS/ BUSINESSES/EMERGENCY SERVICES WORK ZONE SAFETY HIGHWAY SIGNS VISUAL INFORMATION (VIDEOS, SLIDES, PRESENTATIONS) FOR MEETINGS AND WEB	CHANGEABLE MESSAGE SIGNS (CMS)

TRAFFIC MANAGEMENT STRATEGIES GENERAL SYNOPSIS

WORK ZONE IMPACTS - MANAGEMENT STRATEGIES ARE IN ACCORDANCE WITH THE FEDERAL PUBLICATION "DEVELOPING AND IMPLEMENTING TRANSPORTATION MANAGEMENT PLANS FOR WORK ZONES" IN THE RULE ON WORK ZONE SAFETY AND MOBILITY 23 CFR 630 SUBPART J.

THE STRATEGIES LISTED ABOVE ARE POTENTIAL ANTICIPATED FOR THIS PROJECT. HOWEVER, SOME MAY BE ADDED AND OTHERS MAY BE OMITTED AS THE PROJECT PROGRESSES DURING CONSTRUCTION.

NC DOT WILL TAKE THE LEAD ROLE ON THE PUBLIC INFORMATION EFFORTS. THE CONTRACTOR SHALL COORDINATE WITH THE DEPARTMENT TO PROMOTE PUBLIC AWARENESS FOR THIS PROJECT. (SEE PROJECT SPECIAL PROVISIONS - PUBLIC INFORMATION SCOPE OF WORK)

THE MAJOR WORK ON THIS PROJECT INCLUDES CONSTRUCTION OF NC 148 ON NEW LOCATION WITH OVERPASSES AT EXISTING ROADWAYS, AND CONSTRUCTION OF NEW INTERCHANGES AT NC 58 AND NC 11.


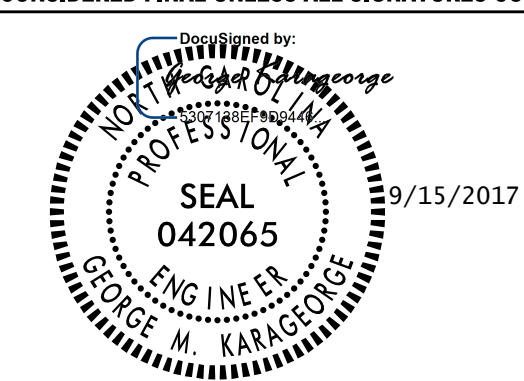
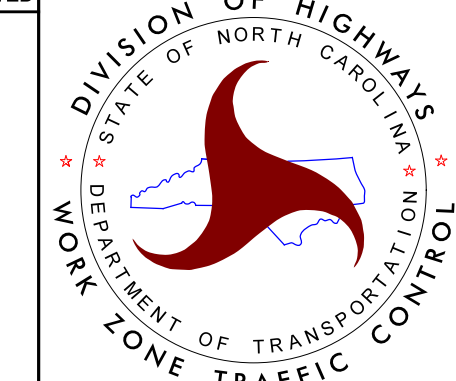
TEMPORARY LANE CLOSURES WILL BE USED FOR DAILY OPERATIONS.

TEMPORARY ROAD CLOSURES WITH OFFSITE DETOURS WILL BE USED DURING ERECTION OF BRIDGE GIRDERS. SPECIAL PROVISIONS FOR INTERMEDIATE CONTRACT TIMES WITH LIQUIDATED DAMAGES WILL BE APPLIED TO THESE CLOSURES.

A TEMPORARY ROAD CLOSURE UNDER TIME RESTRICTION WILL ALSO BE USED TO TIE PROPOSED NC 148 TO THE EXISTING ROADWAY AND OPEN THE NEW FACILITY TO TRAFFIC.

REFER TO PHASING NARRATIVE FOR A DETAILED DESCRIPTION.

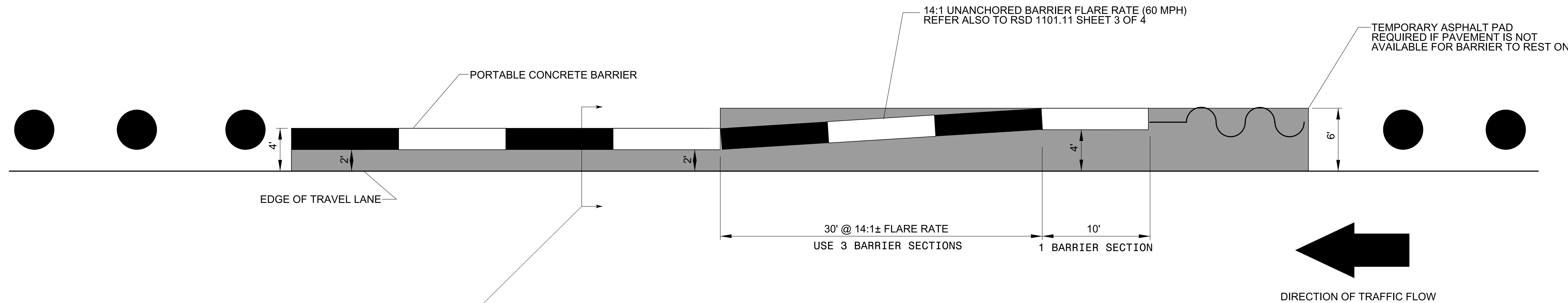
9/14/2017 R:\Traffic\TrafficControl\TCP\TMP\PLAN SHEETS\NR-5703 TMP 01D WORK ZONE IMPACT STRATEGIES.dgn bit-git.mackenzie

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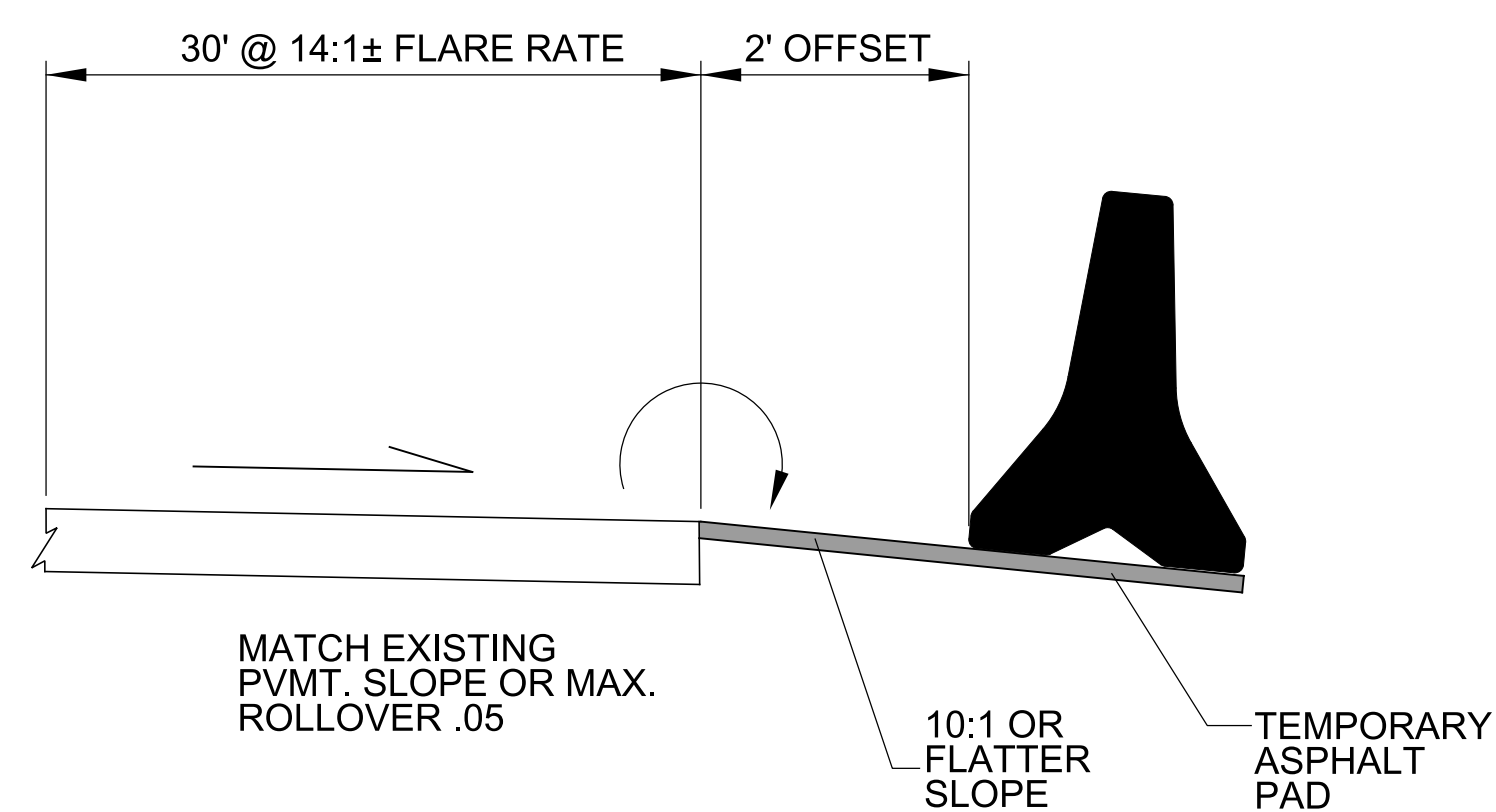
PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 2

TEMPORARY BARRIER APPROACH END TREATMENT

PLAN VIEW



SECTION VIEW



NOTES:

1. INSTALL TEMPORARY BARRIER AT AN OFFSET OF 2' FROM THE ADJACENT EDGELINE OF A TRAVEL LANE. OFFSET THE APPROACH END AND CRASH CUSHION 4' (PREFERRED) FROM THE EDGE OF A TRAVEL LANE. IN THE EVENT A 4' OFFSET CANNOT BE ACHIEVED A LESSER OFFSET MAY BE USED BUT NOT LESS THAN 2'.
2. TEMPORARY BARRIER MUST REST ON AN ASPHALT OR CONCRETE SURFACE.
3. FURNISH MATERIAL AND INSTALL TEMPORARY ASPHALT PAD FOR BARRIER TO REST ON. ASPHALT PAD SHALL BE PAVED AT A MINIMUM OF A 1" LAYER OF SURFACE COURSE OR AS APPROVED BY THE ENGINEER.
4. CONSTRUCT TEMPORARY ASPHALT PAD AS TO MATCH THE CROSS-SLOPE OF THE PAVEMENT THE PAD IS BEING PAVED UP TO, OR PROVIDE FOR A MAXIMUM ROLL-OVER OF .05. PAVE SUFFICIENT ASPHALT SUCH THAT THE ENTIRE BASE OF THE TEMPORARY BARRIER RESTS ON ASPHALT.
5. DO NOT PLACE TEMPORARY BARRIER ON A SURFACE WITH A SLOPE STEEPER THAN 10:1.
6. THE COST OF THE TEMPORARY ASPHALT PAD WILL BE CONSIDERED INCIDENTAL TO THE COST OF BARRIER. NO SEPARATE PAYMENT WILL BE MADE FOR THE TEMPORARY ASPHALT PAD.

9/14/2017 R:\Traffic\TrafficControl\TMP PLAN SHEETS\NR-5703 TMP 02 TEMPORARY BARRIER END TREATMENT.dgn bir-git.mackenzie

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PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-2A

<p>SIGN NUMBER:</p> <p>TYPE: STATIONARY</p> <p>QUANTITY: SEE PLANS</p> <p>SIGN WIDTH: 4'-0" HEIGHT: 1'-6" TOTAL AREA: 6.0 Sq.Ft.</p> <p>BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5"</p> <p>NO. Z BARS: LENGTH:</p>	<p>BACKG COLOR: Fluorescent Orange COPY COLOR: Black</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>MAT'L: 0.080" (2.0 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																																									<p>DESIGN BY: BCM PROJECT ID: R-5703</p> <p>CHECKED BY: GMK LOCATION:</p> <p style="text-align: right;">Mar 16, 2017 DIV: 2</p>
SYMBOL	X	Y	WID	HT																																											

BORDER R=1.5"
TH=0.63"
IN=0.47"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size Text Length	
H	U	G	O	R	D					C 2000	
8.5	4.7	4.6	4.4	3.5	6	4.4	3.4	8.5			31

FILENAME: TEMPORARY DETOUR SIGNS **NORTH CAROLINA D.O.T. SIGN DETAIL**

9/14/2017
 R:\Traffic\TrafficControl\TMP PLAN SHEETS\NR-5703 TMP 02A TEMPORARY GUIDE SIGN HUGO.DGN
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<p>SIGN NUMBER: TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 4'-0" HEIGHT: 2'-6" TOTAL AREA: 10.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:</p>	<p>BACKG COLOR: Fluorescent Orange COPY COLOR: Black <table border="1"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> MAT'L: 0.080" (2.0 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																																																			<p>DESIGN BY: BCM PROJECT ID: R-5703 CHECKED BY: GMK LOCATION: Mar 16, 2017 DIV: 2</p>
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Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size Text Length	
	W	A	L	L	A	C	E								C 2000 29.1	
9.4	4.9	4.7	3.9	3.4	4.6	4.6	3.1	9.5								
	F	A	M	I	L	Y		R	D							C 2000 36.5
5.7	3.4	4.7	5.3	2.2	3.4	3.8	6	4.4	3.4	5.7						

FILENAME: TEMPORARY DETOUR SIGNS
NORTH CAROLINA D.O.T. SIGN DETAIL

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SEAL

TEMPORARY DETOUR SIGN DESIGN
 WALLACE FAMILY RD.

<p>SIGN NUMBER: TYPE: STATIONARY QUANTITY: SEE PLANS</p> <p>SIGN WIDTH: 4'-6" HEIGHT: 1'-6" TOTAL AREA: 6.8 Sq.Ft.</p> <p>BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5"</p> <p>NO. Z BARS: LENGTH:</p>	<p>BACKG COLOR: Fluorescent Orange COPY COLOR: Black</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>MAT'L: 0.080" (2.0 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																																														<p>DESIGN BY: BCM PROJECT ID: R-5703</p> <p>CHECKED BY: GMK LOCATION: DATE: Mar 16, 2017 DIV: 2</p> <div style="text-align: center;"> </div> <p>BORDER R=1.5" TH=0.63" IN=0.47"</p> <p style="text-align: right;">Spacing Factor is 1 unless specified otherwise</p>
SYMBOL	X	Y	WID	HT																																																

LETTER POSITIONS

Letter spacings are to start of next letter												Series/Size Text Length
F	E	R	R	E	L	L	R	D				C 2000
6.2	3.9	4.1	4.4	4.4	4.1	3.9	3.1	6	4.4	3.4	6.2	41.5

FILENAME: TEMPORARY DETOUR SIGNS NORTH CAROLINA D.O.T. SIGN DETAIL

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SIGN NUMBER: TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 4'-6" HEIGHT: 2'-6" TOTAL AREA: 11.3 Sq.Ft. BORDER TYPE: INSET RECESS: 0.47" WIDTH: 0.63" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> MAT'L: 0.080" (2.0 mm) ALUMINUM	SYMBOL	X	Y	WID	HT																																				DESIGN BY: BCM PROJECT ID: R-5703 CHECKED BY: GMK LOCATION: Mar 16, 2017 DIV: 2
SYMBOL	X	Y	WID	HT																																						

BORDER
R=1.5"
TH=0.63"
IN=0.47"

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

											Series/Size Text Length		
S	H	A	R	O	N						C 2000		
14.2	4.4	4.2	4.7	4.3	4.7	3.4	14.2						25.6
C	H	U	R	C	H	R	D				C 2000		
7.1	4.6	4.7	4.7	4.3	4.6	3.4	6	4.4	3.4	7.1	39.8		

FILENAME: TEMPORARY DETOUR SIGNS
NORTH CAROLINA D.O.T. SIGN DETAIL

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PHASE I

STEP 1:

PRIOR TO ANY CONSTRUCTION OPERATIONS INSTALL WORK ZONE ADVANCE WARNING SIGNS PER ROADWAY STANDARD DRAWING 1101.01 SHEETS 1, 2 AND 3 OF 3.

IMPLEMENT PERMANENT ROAD CLOSURES AND CONSTRUCT TURN-AROUNDS/CUL-DE-SAC FOR THE FOLLOWING LOCATIONS:

- HAMILTON RD -Y5- (TMP-4G)
- GRAINGER STATION RD. (TMP-4K)

WHEN CLOSING THE ROADWAYS LISTED ABOVE, INITIALLY INSTALL TEMPORARY ROAD CLOSURE DEVICES PER RSD 1101.03 SHEET 1/9, LESS ANY SIGNS INDICATING A DETOUR, AND CONSTRUCT CUL-DE-SACS & TURNAROUNDS. INSTALL PERMANENT SIGNS ONCE THEY ARE REQUIRED, AS DIRECTED BY THE ENGINEER.

BEGIN CONSTRUCTION OF THE FOLLOWING:

(TMP 4-4M)

- -L- 60+56.32 - 364+30
- -L- BRIDGES OVER NC 11 SPANS A (END BENTS #1 & MEDIAN BENTS #1) (TMP-4L)
- CULVERT EXTENSION -L- 67+50 (TMP-4A)
- NC 11 -Y8- 19+76.61 - 63+00 (TMP 4J-4M)
- NC 58 (-Y1-) WIDENING/WEDGING (TMP-4C,4C1,4C2)
- -Y1LPA-
- -Y1LPD-
- -Y1RPA-
- -Y1RPD-
- -Y8LPC-
- -Y8LPD-
- -Y8RPA-
- -Y8RPB-
- -DR4-
- -Y9- LEFT SIDE UP TO EOP
- PAVE SHOULDERS UNDER BRIDGES ALONG Y3, Y4, Y6, AND Y7 (RSD 1101.02, SH 1 OF 15). REFER TO ROADWAY PLAN TYPICAL SECTIONS.

CONSTRUCT THE FOLLOWING:

- -SERV1- (TMP - 4C1, 4D, 4D.1)

DURING -L- BRIDGE GIRDER ERECTION OPERATIONS OVER EXISTING ROADWAYS, IMPLEMENT TEMPORARY ROAD CLOSURES AS FOLLOWS:

INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES

FOR EACH OF HUGO RD.(Y3), WALLACE FAMILY RD (Y4), FERRELL RD. (Y6), AND SHARON CHURCH RD (Y7) ONE TEMPORARY ROAD CLOSURE WILL BE ALLOWED, FOR A TIME PERIOD OF 168 CONSECUTIVE HOURS FOR THE ERECTION OF THE -L- LINE OVERHEAD BRIDGE GIRDERS. (TMP-4EDET, 4FDET, 4HDET, 4IDET)

FOR NC 58 (Y1) ONE TEMPORARY ROAD CLOSURE WILL BE ALLOWED, FOR A TIME PERIOD OF 59 CONSECUTIVE HOURS BETWEEN THE HOURS OF 7:00 PM FRIDAY TO 6:00 A.M. MONDAY FOR THE ERECTION OF THE -L- LINE OVERHEAD BRIDGE GIRDERS. (TMP- 4CDET, 4CDET1)

DO NOT CLOSE ANY OF THE ABOVE LOCATIONS SIMULTANEOUSLY.

STEP 2: OPENING OF -SERV1- (TMP-4N)

2A: OPEN SERV1 TO TRAFFIC AND SIMULTANEOUSLY CLOSE EN DICKERSON RD. ONCE EN DICKERSON RD. IS CLOSED CONTINUE CONSTRUCTION OF -L- THROUGH THAT AREA.

2B: CLOSE HUMPHREY RD AT NC 58

2C: CONSTRUCT CUL-DE-SAC AT HUMPHREY RD.(RSD 1101.02, SH 1 OF 15)

STEP 3:

COMPLETE THE FOLLOWING BEGUN IN STEP 1:

- -L- BRIDGES OVER NC 11 SPANS A (END BENTS #1 AND MEDIAN BENTS #1)
- NC 11 -Y8- 19+76.61 - 63+00 (TMP 4J-4M)
- INSTALL TEMPORARY BARRIER ON NC 11 PRIOR TO SHIFTING TRAFFIC TO THE NEW Y8 ALIGNMENT IN PHASE II (TMP-5E)

PHASE II OPENING OF -Y8- NC11

STEP 1:

IN A CONTINUOUS OPERATION, COMPLETE -Y8- TIE-INS TO EXISTING NC 11 SWITCH NC 11 TRAFFIC ONTO THE NEW -Y8- ALIGNMENT AND CLOSE THE EXISTING SECTION OF NC 11 AS FOLLOWS:

USE TEMPORARY LANE CLOSURES PER STD. 1101.02 SHEET 3 OR 6 OF 15 DURING THE TRAFFIC SWITCH AS FOLLOWS:

1A: CLOSE THE EXISTING RIGHT LANE OF NC 11 SB AND PAVE THE RIGHT LANE TIE-INS TYING IN THE PROPOSED NC 11 SB TO THE EXISTING.

1B: SWITCH THE SB LANE CLOSURE AND DIRECT NC 11 SB TRAFFIC IN ONE LANE ONTO THE PROPOSED NC 11 SB RIGHT LANE, CLOSE THE EXISTING SB ROADWAY AND PAVE THE SB LEFT LANE TIE-INS.

1C: WITH NC 11 SB ON THE PROPOSED ROADWAY AND NC 11 NB ON THE EXISTING NB ROADWAY, CLOSE THE LEFT LANE OF NC 11 NB AND PAVE THE LEFT LANE TIE-INS OF THE PROPOSED NB LEFT LANE.

1D: SWITCH THE NB LANE CLOSURE AND DIRECT NC 11 NB TRAFFIC IN ONE LANE INTO THE PROPOSED NC 11 NB LEFT LANE. CLOSE THE EXISTING NB ROADWAY AND PAVE THE NB RIGHT LANE TIE-INS.

1E: REMOVE LANE CLOSURES AND OPEN PROPOSED NC 11 TO A FOUR LANE PATTERN (TMP-5C-5F)

STEP 2:

WITH NC 11 TRAFFIC ON THE NEW -Y8- ALIGNMENT CONSTRUCT THE FOLLOWING:

- -Y1- (NC 58) PAVING 34+00 - 44+92 (TMP-5B)
- REMOVE EXISTING NC 11 PAVEMENT, COMPLETE EMBANKMENTS(TMP-5D - 5F)
- CONSTRUCT -L- 60+56 - 73+00 (IN EXISTING NC 148 MEDIAN) AS MUCH AS POSSIBLE, UP TO SUBGRADE (TMP-5A)
- -L- 364+30 - 367+59 (TMP-5E)
- -L- BRIDGES OVER NC 11 CONSTRUCT END BENTS #2 AND COMPLETE BRIDGES (TMP-5E). UTILIZE ROAD CLOSURES WITH OFF SITE DETOUR DURING ERECTION OF GIRDERS (TMP-5F)

INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES

FOR NC 11 (Y8), THREE (3) TEMPORARY ROAD CLOSURE PERIODS WILL BE ALLOWED, BETWEEN THE HOURS OF 11:00 PM TO 5:00 AM , FOR THE ERECTION OF THE -L- LINE BRIDGE GIRDERS OVER NC 11. (TMP-5EDET)

COMPLETE CONSTRUCTION OF ITEMS BEGUN IN PHASE I AND PAVE THRU THE FINAL SURFACE COURSE:

- -L- 78+50 - 367+59
- -Y1LPA-, -Y1LPD-, -Y1RPA-, -Y1RPD-
- -Y8RPA-, -Y8RPB-, -Y8LPC-, -Y8LPD- (TMP-5D, 5E)

PHASE III OPENING OF -L- NC 148

PROCEED TO OPEN -L- PROPOSED NC 148 AND INTERCHANGES AT NC 58 AND NC 11 AS FOLLOWS:

INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES

COMPLETE PHASE III-STEP 1, 2 AND 3 WITHIN A TIME PERIOD OF 59 CONSECUTIVE HOURS STARTING ON FRIDAY AT 7:00 P.M. AND ENDING THE FOLLOWING MONDAY AT 6:00 A.M.

STEP 1:

IMPLEMENT DETOUR AND CLOSE EXISTING NC 148 (TMP-6, 6A-6H).

DEACTIVATE AND BEGIN REMOVAL OF THE SIGNAL AT THE INTERSECTION OF EXISTING NC 148 AND NC58.

STEP 2:

WITH THE EXISTING NC 148- CLOSED AND TRAFFIC OPERATING ON THE DETOUR, COMPLETE THE FOLLOWING ALONG NC 148 -L-:

- CONSTRUCT TIE-IN OF -L- 60+56.32 - 78+50 THRU THE FINAL SURFACE LAYER (TMP-6F, 6G). MAY BEGIN OBLITERATION OF EXISTING NC 148.
- APPLY PAINT MARKINGS ALONG -L-/RAMPS/LOOPS ON FINAL SURFACE IN THE SAME PATTERN AS THE FINAL MARKINGS SHOWN IN THE PAVEMENT MARKING PLAN.
- COMPLETE PROPOSED SIGNING

HAVE PROPOSED NC 148 -L- AND ALL RAMPS AND LOOPS READY TO BE OPENED IN THE NEXT STEP, INCLUDING PROPOSED SIGNING AND PAINT PAVEMENT MARKINGS. PAVEMENT MARKER INSTALLATION IS NOT REQUIRED AT THIS TIME.

PAINT MAY BE USED AT INITIAL OPENING OF NC 148. FINAL PAVEMENT MARKING AND MARKERS MAY BE PLACED AFTER NC 148 IS OPEN AND ONCE ALL OTHER CONSTRUCTION OPERATIONS ARE COMPLETE AS DIRECTED BY THE ENGINEER.

STEP 3:

-Y1- (NC 58) PAVING 15+50 TO 34+00 (TMP-7C, 7C1, 7C2)

OPEN PROPOSED NC 148 (-L-), AND INTERCHANGES AT NC 58 AND NC 11, INCLUDING ALL RAMPS AND LOOPS. (TMP-7, 7A-7C2)

STEP 4:


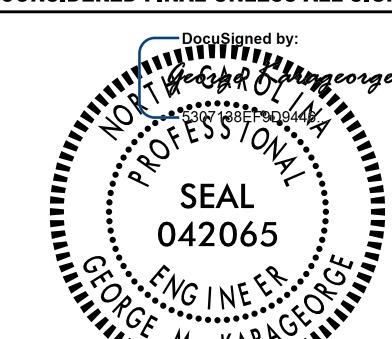

WITH TRAFFIC ON PROPOSED NC 148 CONSTRUCT THE FOLLOWING:

- COMPLETE REMOVAL OF THE EXISTING NC 148 PAVEMENT
- COMPLETE REMOVAL OF THE EXISTING TRAFFIC SIGNAL AT NC 148/NC 58 (USE RSD 1101.02 SH 1 OF15)
- APPLY FINAL MARKINGS/MARKERS ON ALL ROADWAYS ON PROJECT. (USE RSD 1101.02 SHEETS 1 AND 3 OF 15) SLOW MOVING OPERATION CARAVANS MAY BE USED AS APPROVED BY THE ENGINEER PER RSD 1101.02 SHEETS 11, 12, 13 OF 15)

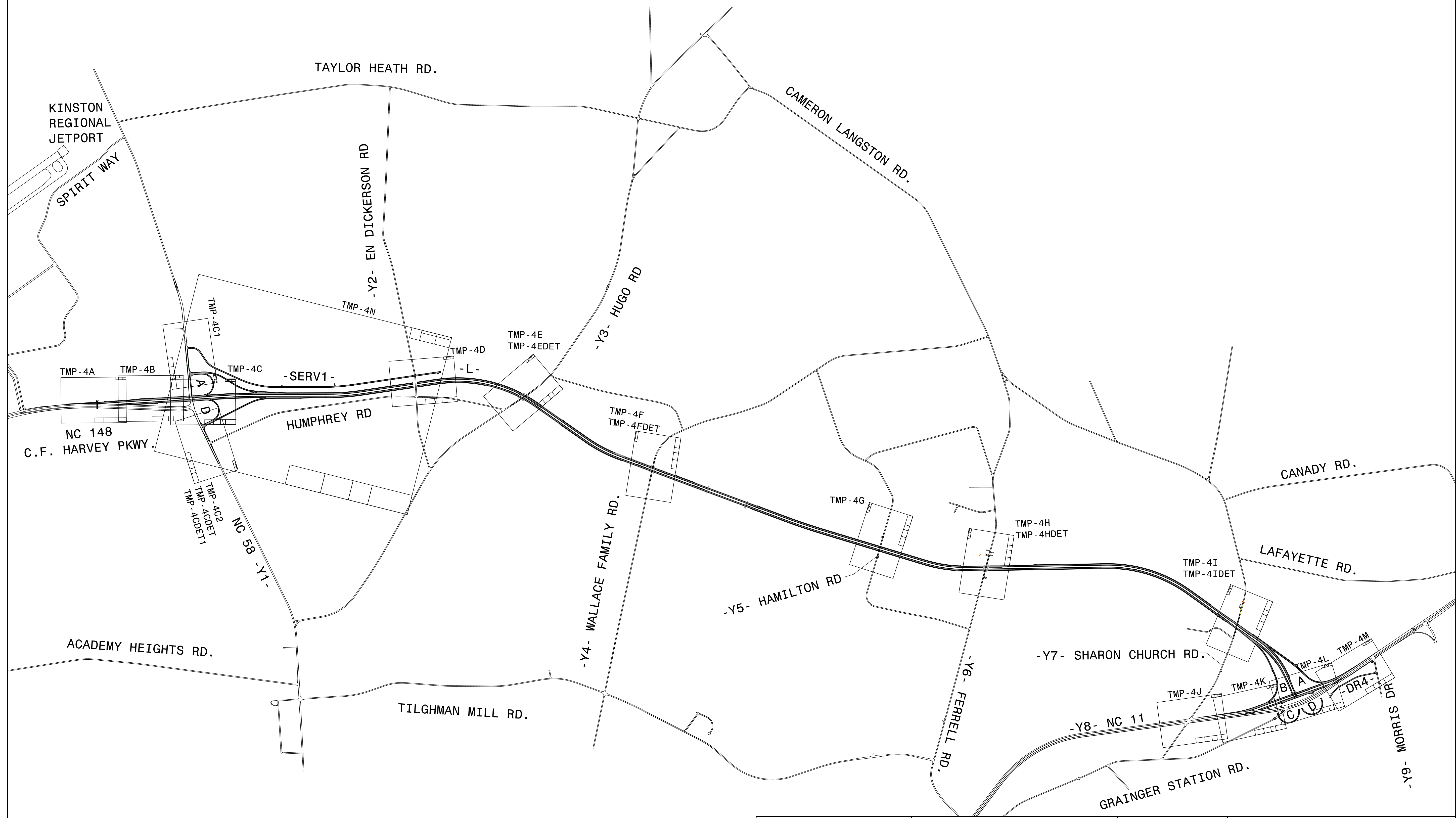
UPON COMPLETION OF ALL OPERATIONS REMOVE ALL TRAFFIC CONTROL DEVICES FROM THE PROJECT.

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 3

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PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4



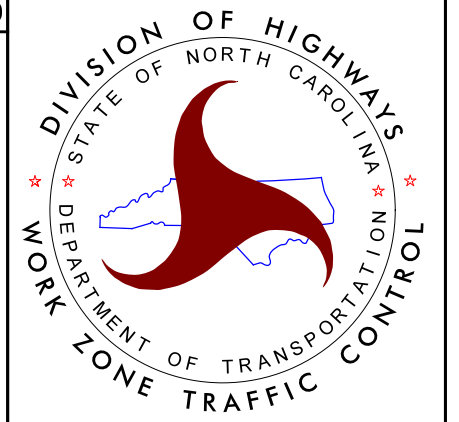
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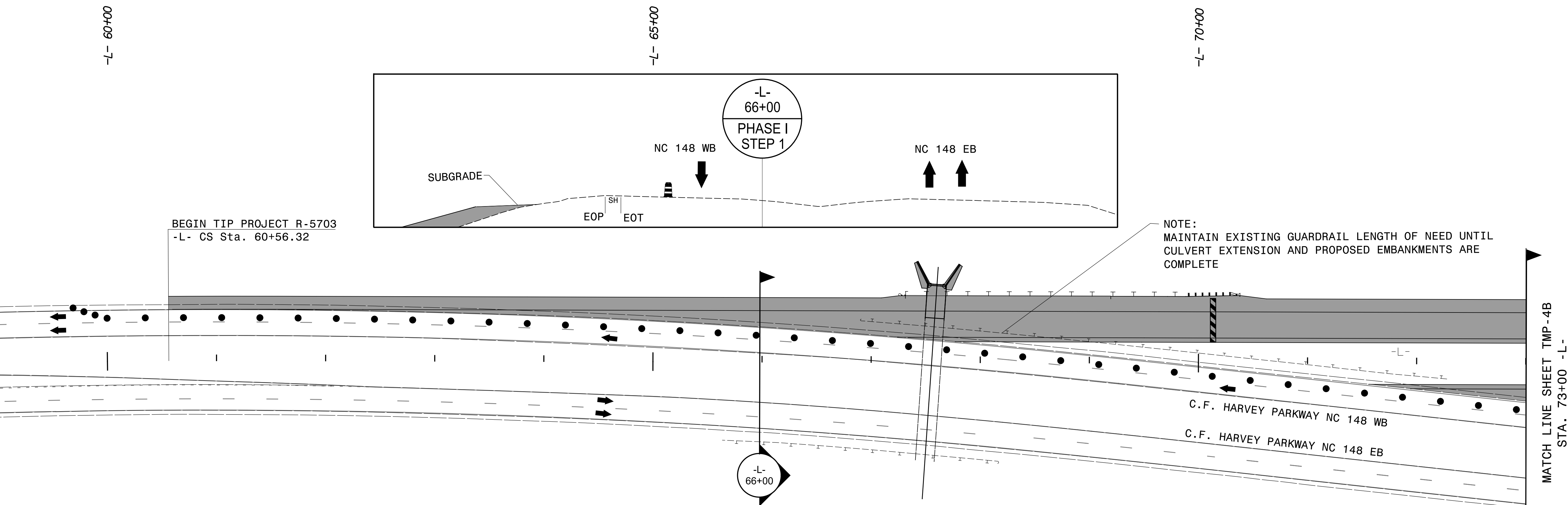
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**PHASE I
 OVERVIEW**

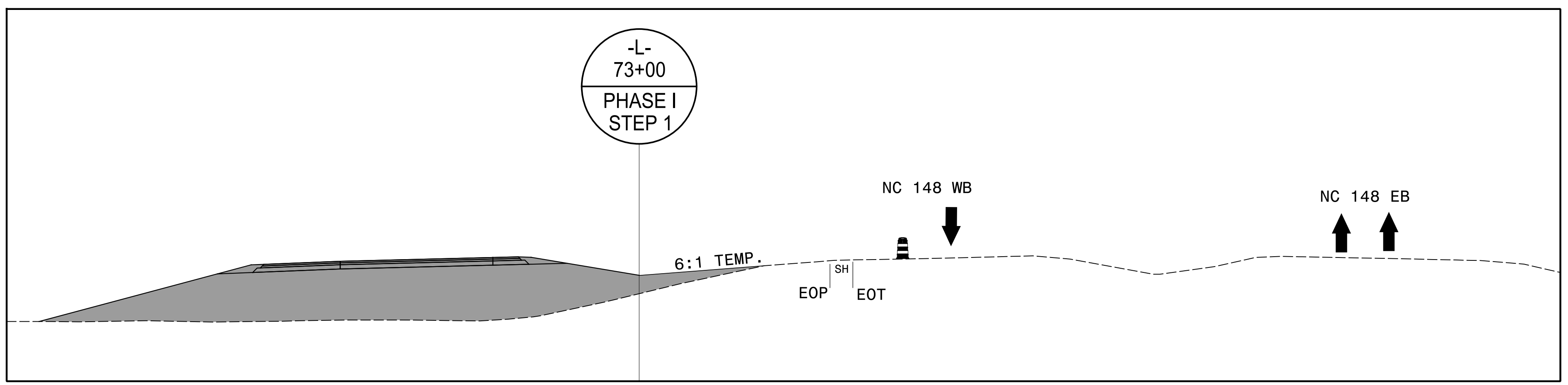
PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4A



BEGIN TIP PROJECT R-5703
-L- CS Sta. 60+56.32

NOTE:
MAINTAIN EXISTING GUARDRAIL LENGTH OF NEED UNTIL
CULVERT EXTENSION AND PROPOSED EMBANKMENTS ARE
COMPLETE

MATCH LINE SHEET TMP-4B
STA. 73+00 -L-



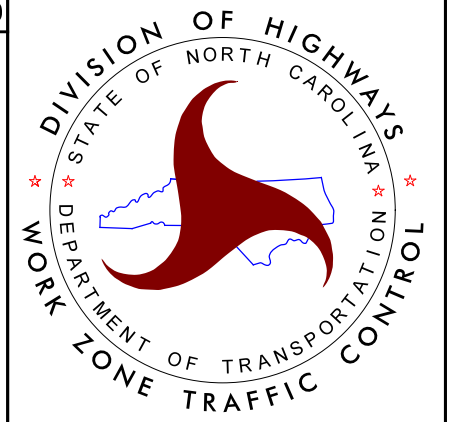
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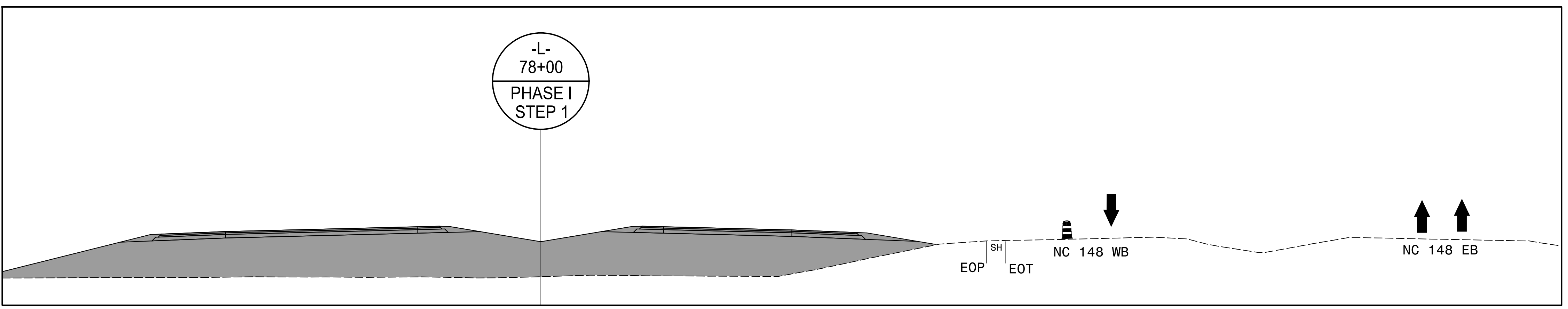
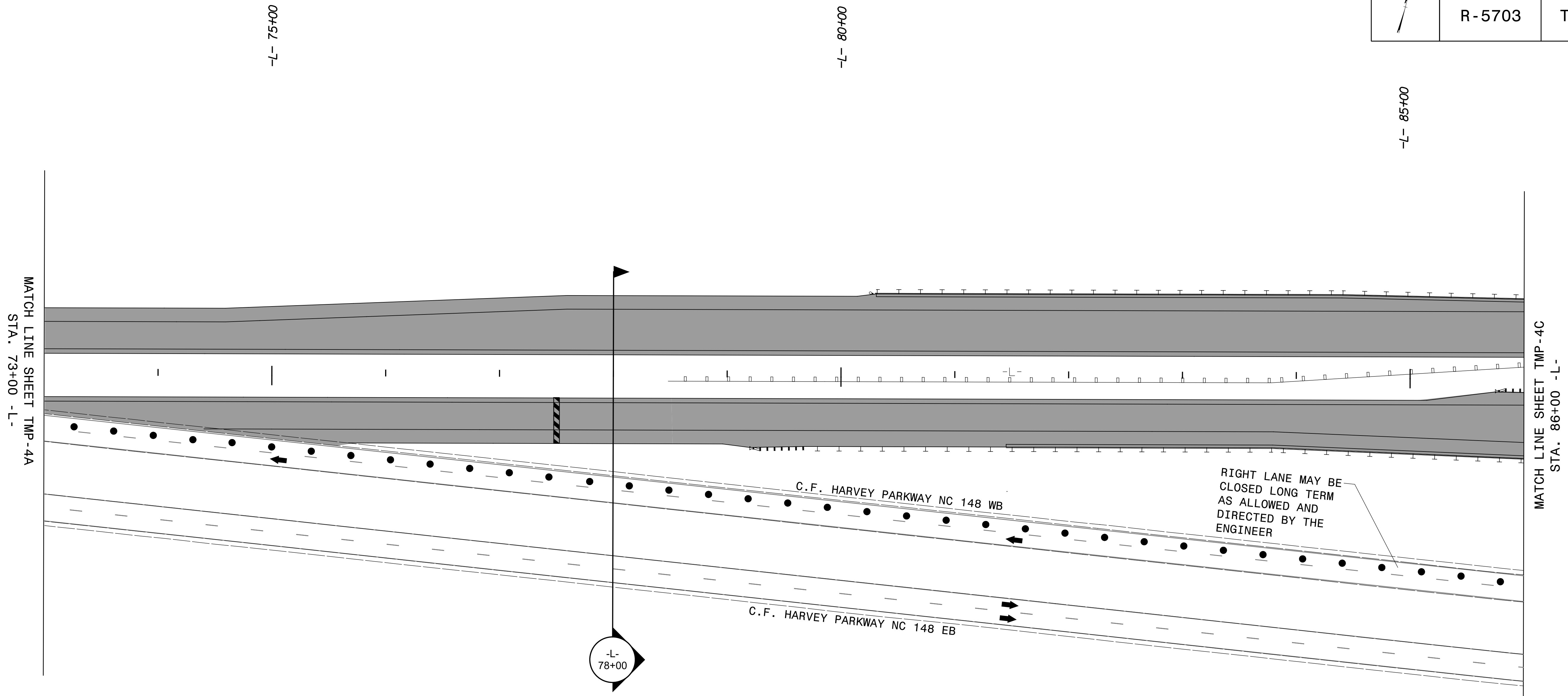
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PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4B



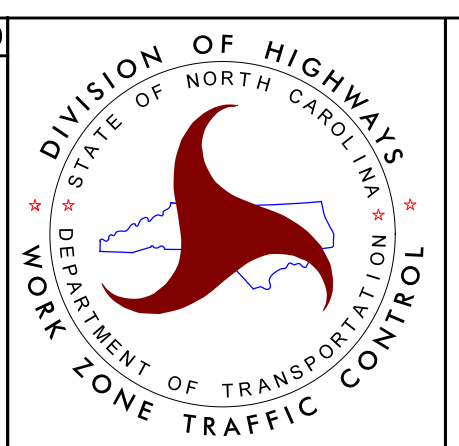
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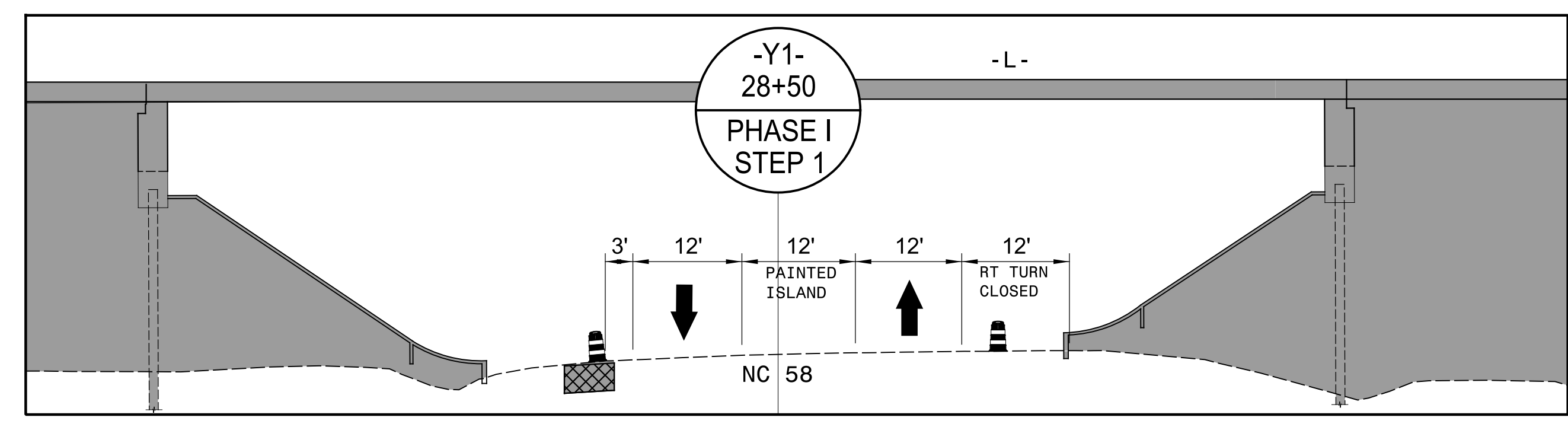
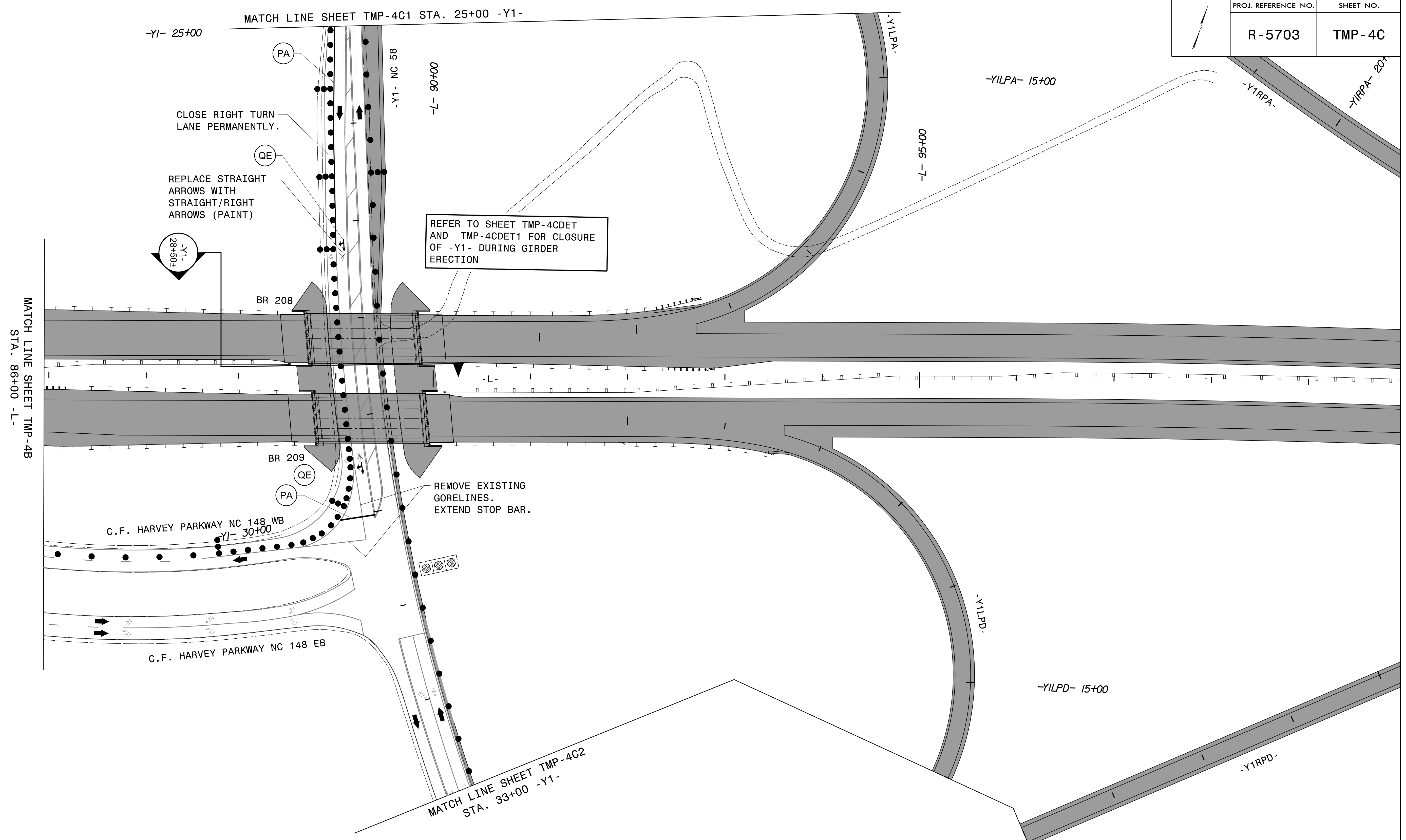
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PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4C



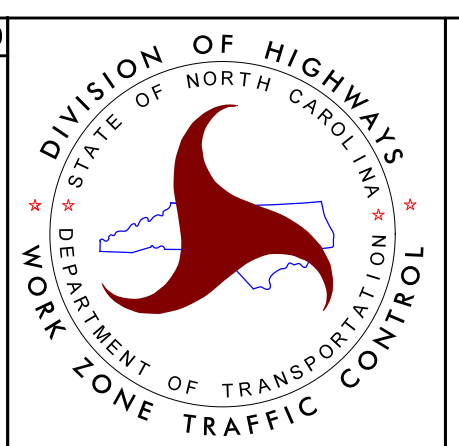
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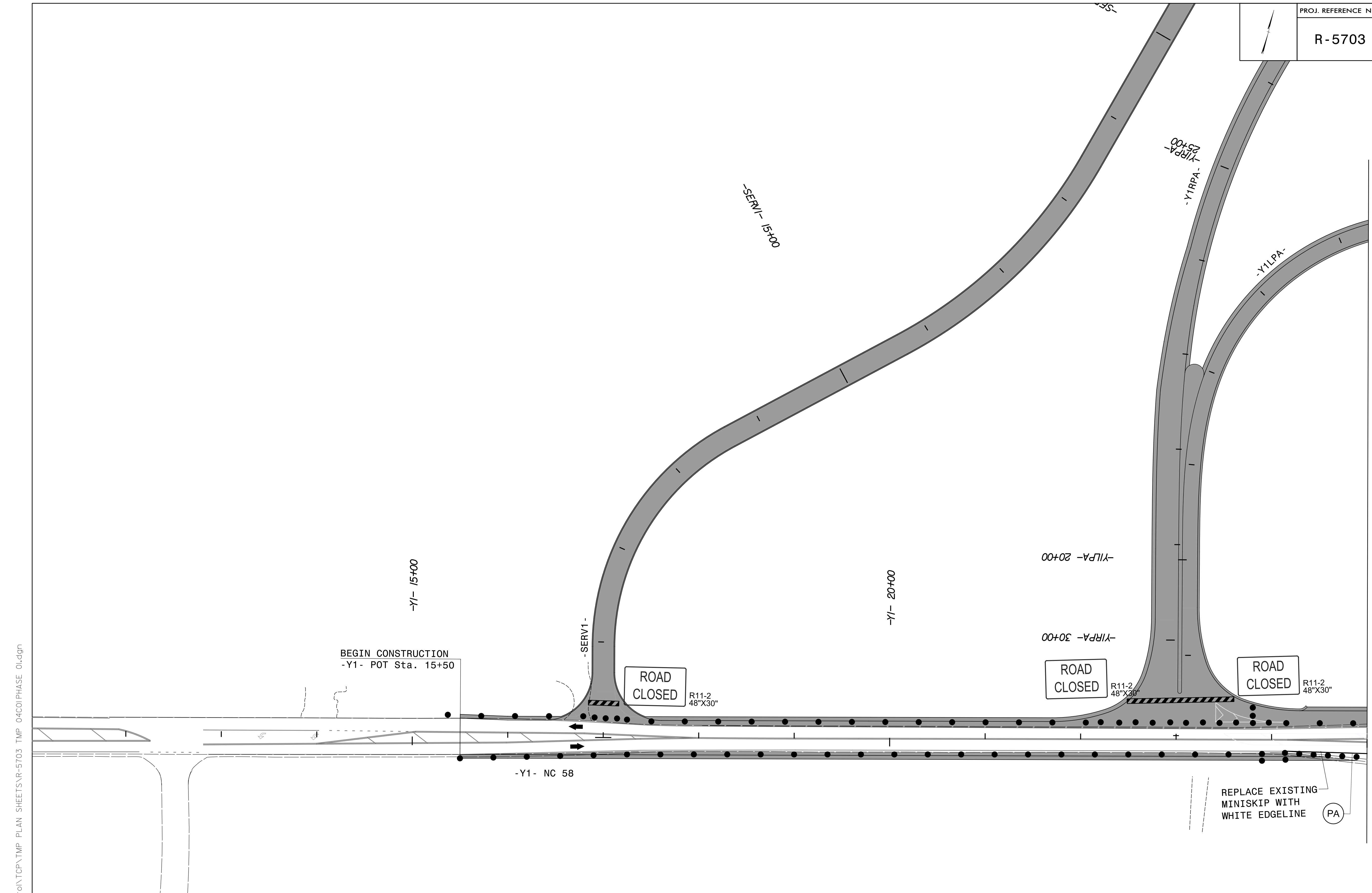
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 SEAL 042065
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PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4C1



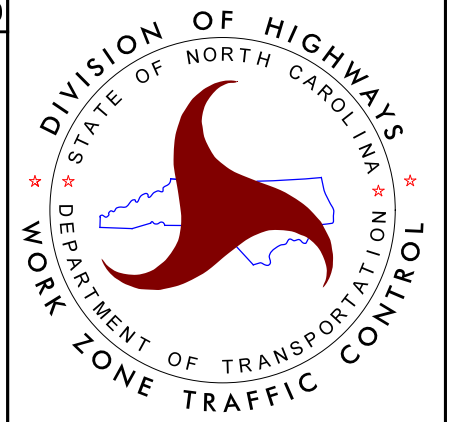
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MATCH LINE SHEET TMP-4C
 STA. 25+00 -Y1-

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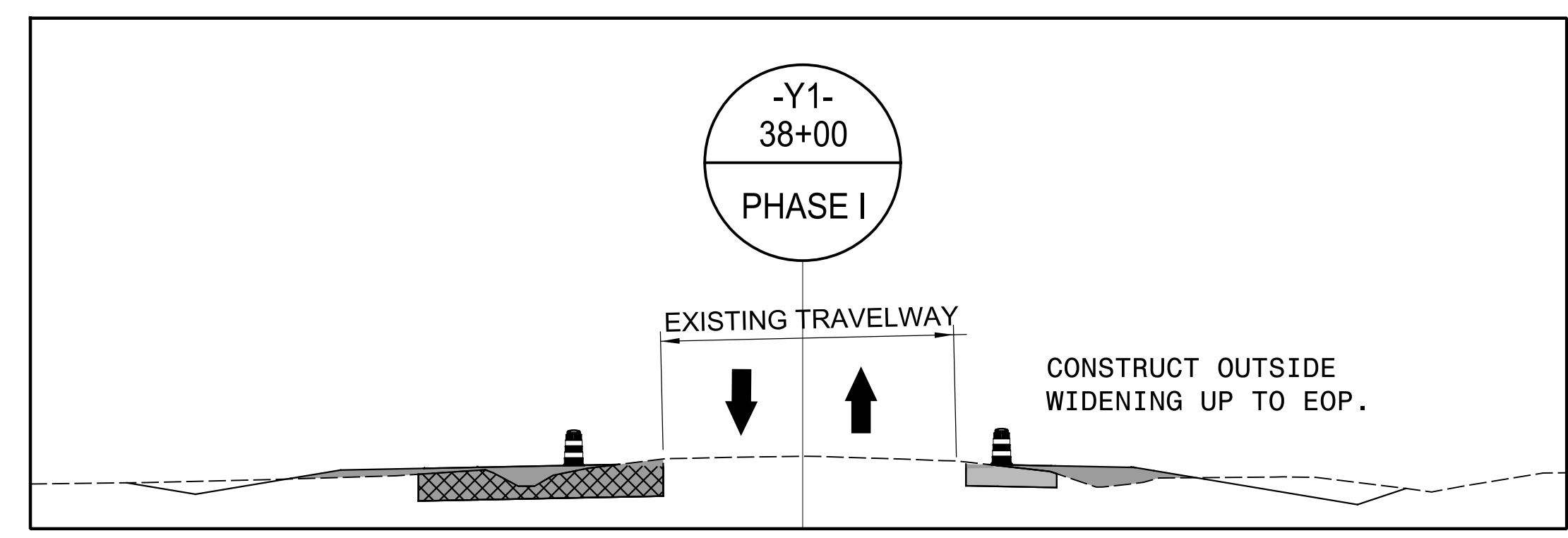
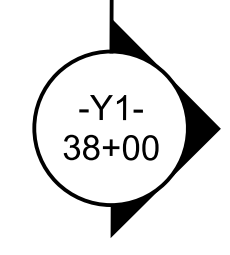
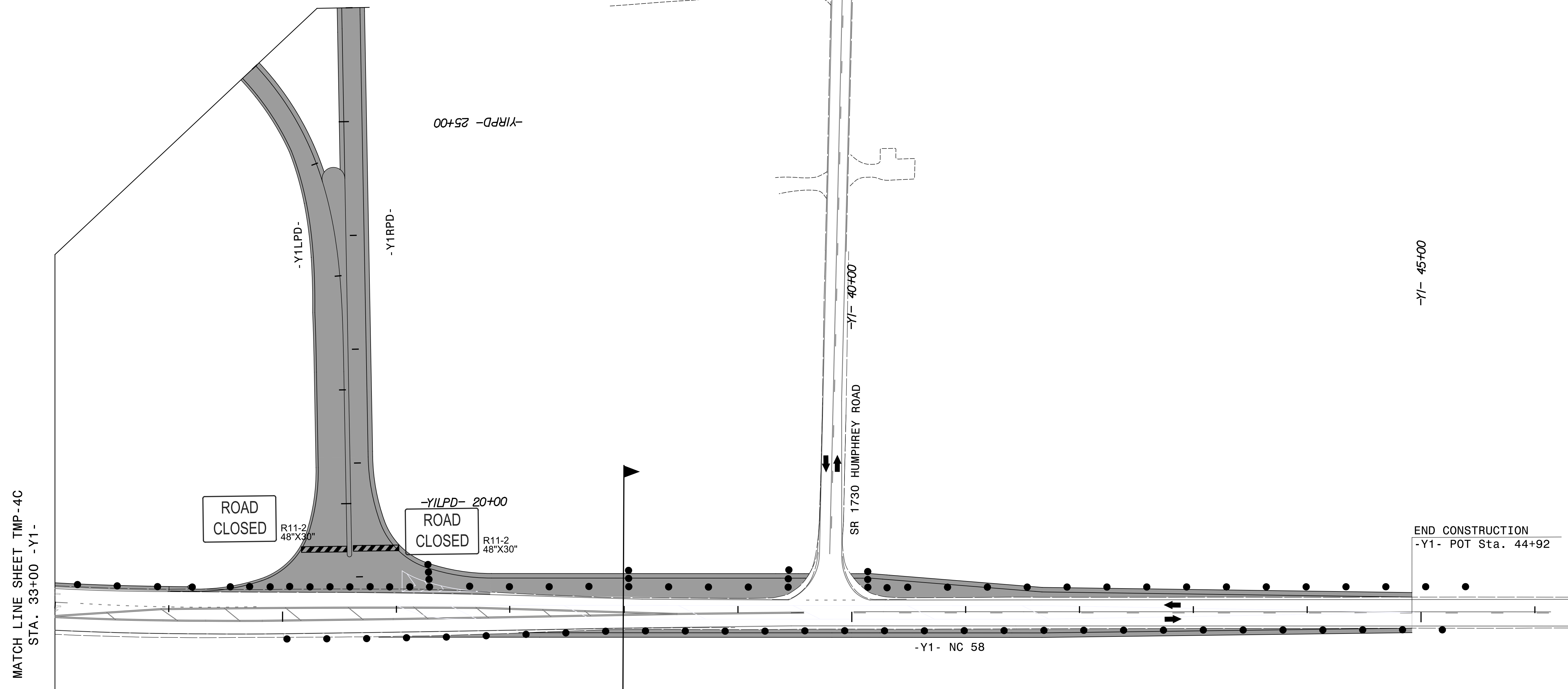
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 ENGINEER
 GEORGE W. KARAGORKE



PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4C2



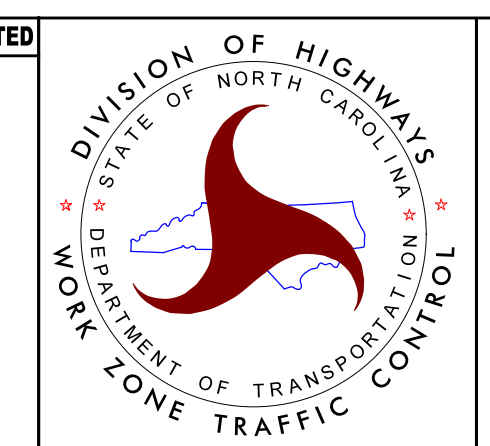
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PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 4CDET

SIGN LEGEND

A ROAD CLOSED AHEAD
W20-3 48" X 48"

B DETOUR AHEAD
W20-2 48" X 48"

C ROAD CLOSED 1000 FT
W20-3 48" X 48"

D ROAD CLOSED 500 FT
W20-3 48" X 48"

E ROAD CLOSED
W20-3 48" X 48"

1 DETOUR NORTH M4-8 24"X12" M3-1 24"X12" M1-5 24"X24" M5-1R 21"X15"	2 DETOUR NORTH M4-8 24"X12" M3-1 24"X12" M1-5 24"X24" M6-1 21"X15"	3 DETOUR NORTH M4-8 24"X12" M3-1 24"X12" M1-5 24"X24" M5-1 21"X15"	4 DETOUR NORTH M4-8 24"X12" M3-1 24"X12" M1-5 24"X24" M6-1L 21"X15"	5 DETOUR NORTH M4-8 24"X12" M3-1 24"X12" M1-5 24"X24" M6-3 21"X15"	6 END DETOUR NORTH M4-8a 24"X18" M3-1 24"X12" M1-5 24"X24"
7 DETOUR SOUTH M4-8 24"X12" M3-3 24"X12" M1-5 24"X24" M6-1 21"X15"	8 DETOUR SOUTH M4-8 24"X12" M3-3 24"X12" M1-5 24"X24" M6-3 21"X15"	9 DETOUR SOUTH M4-8 24"X12" M3-3 24"X12" M1-5 24"X24" M6-1L 21"X15"	10 DETOUR SOUTH M4-8 24"X12" M3-3 24"X12" M1-5 24"X24" M5-1 21"X15"	11 END DETOUR SOUTH M4-8a 24"X18" M3-3 24"X12" M1-5 24"X24"	

X1 R11-4 (60" x 30") ROAD CLOSED TO THRU TRAFFIC
M4-10R (48" x 18") TYPE III BARRICADE

X2 R11-4 (60" x 30") ROAD CLOSED TO THRU TRAFFIC
M4-10L (48" x 18") TYPE III BARRICADE

X3 R11-4 (60" x 30") ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

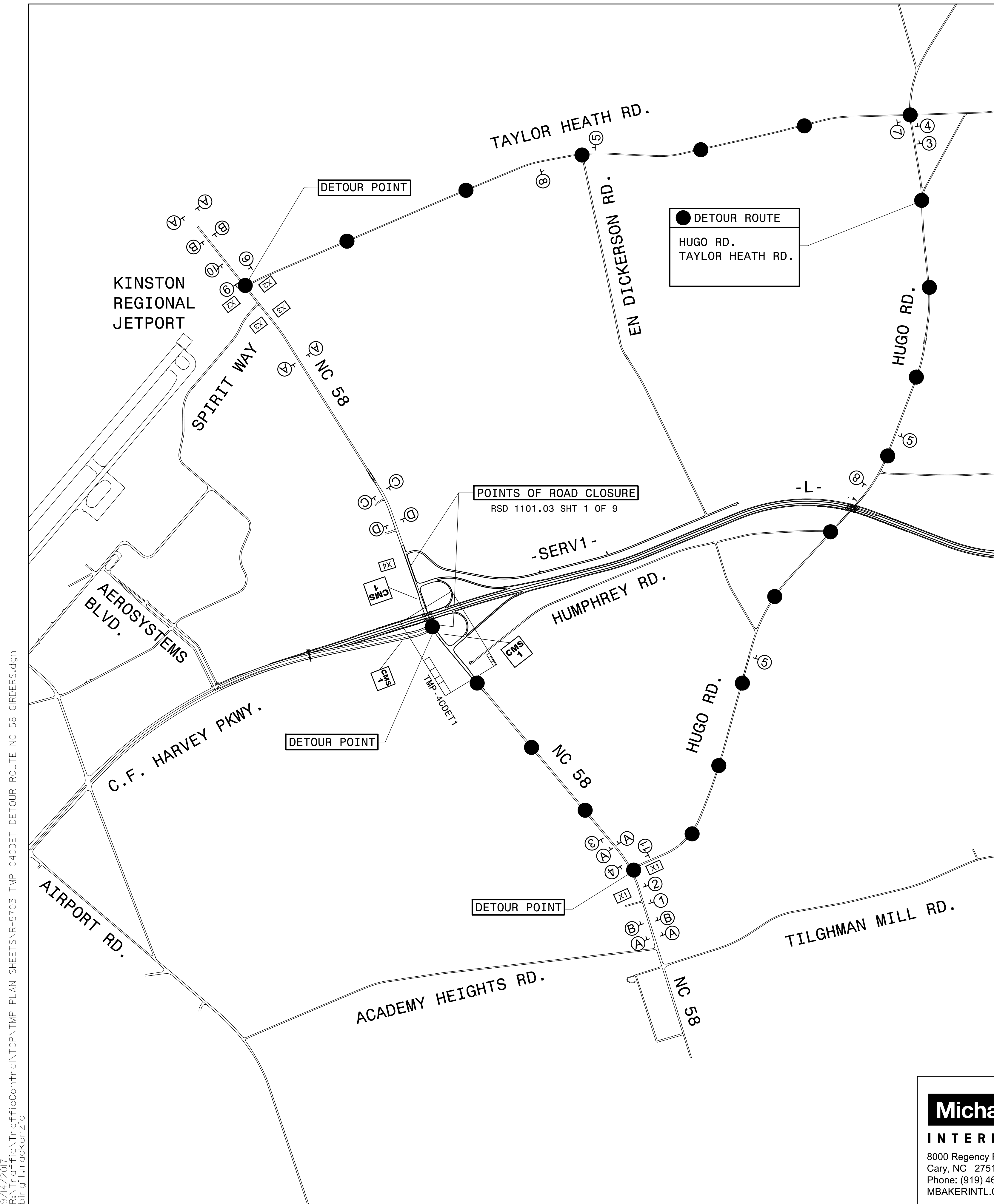
X4 R11-2 (48"X30") ROAD CLOSED
TYPE III BARRICADE SUFFICIENT LENGTH TO CLOSE ENTIRE TRAVELWAY

CMS MESSAGES PRIOR TO ROAD CLOSURE

CMS 1 CHANGEABLE MESSAGE SIGN

NC 58 CLOSING	MM/DD TO MM/DD
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DETOUR ALLOWED ONLY FOR OVERHEAD BRIDGE GIRDER ERECTION. REFER TO PROJECT SPECIAL PROVISIONS - INTERMEDIATE CONTRACT TIMES.



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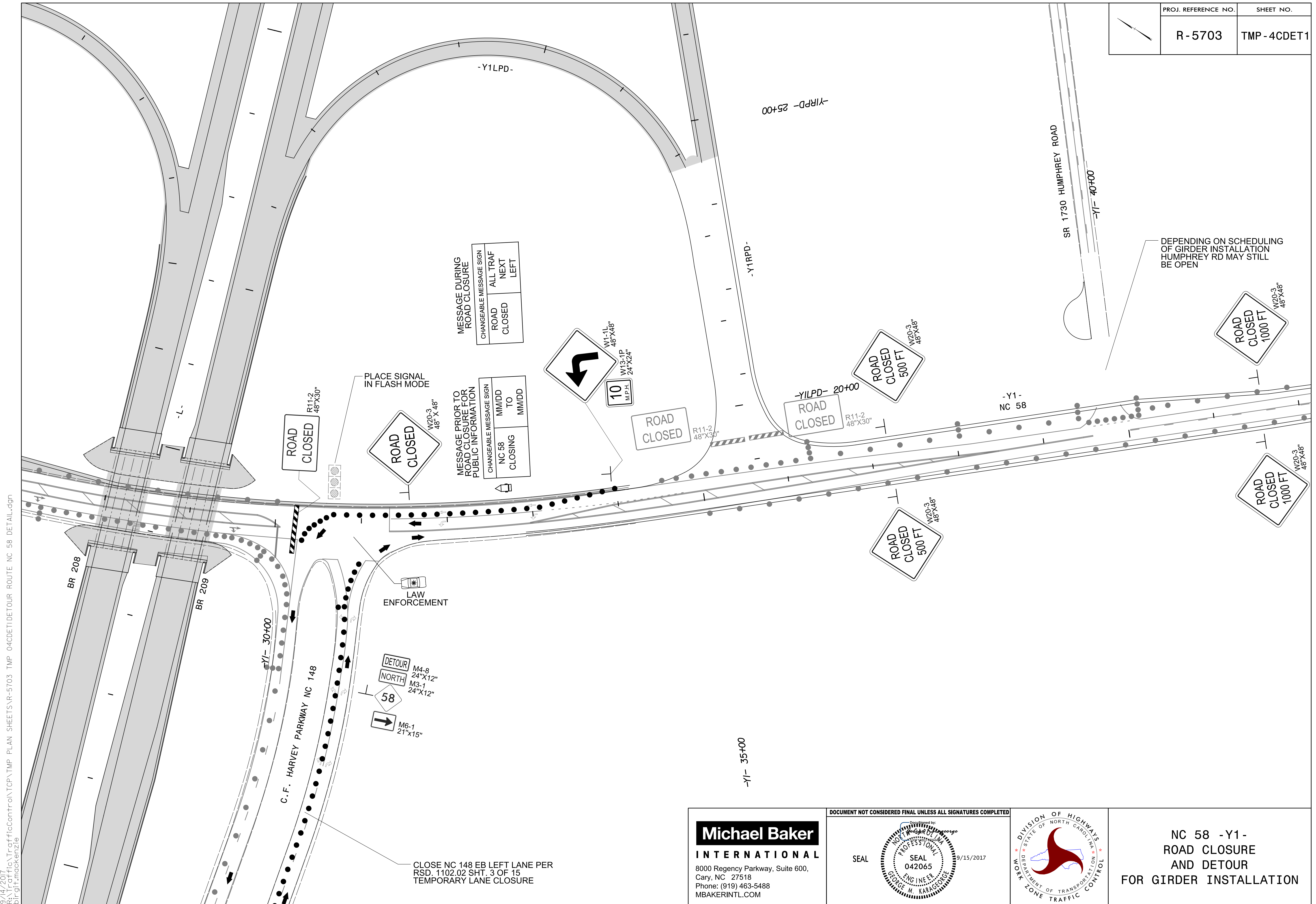
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 ENGINEER

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

NC 58 -Y1- ROAD CLOSURE AND DETOUR FOR GIRDER INSTALLATION

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 4CDET1



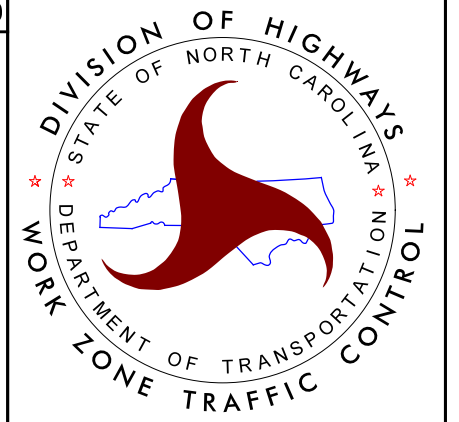
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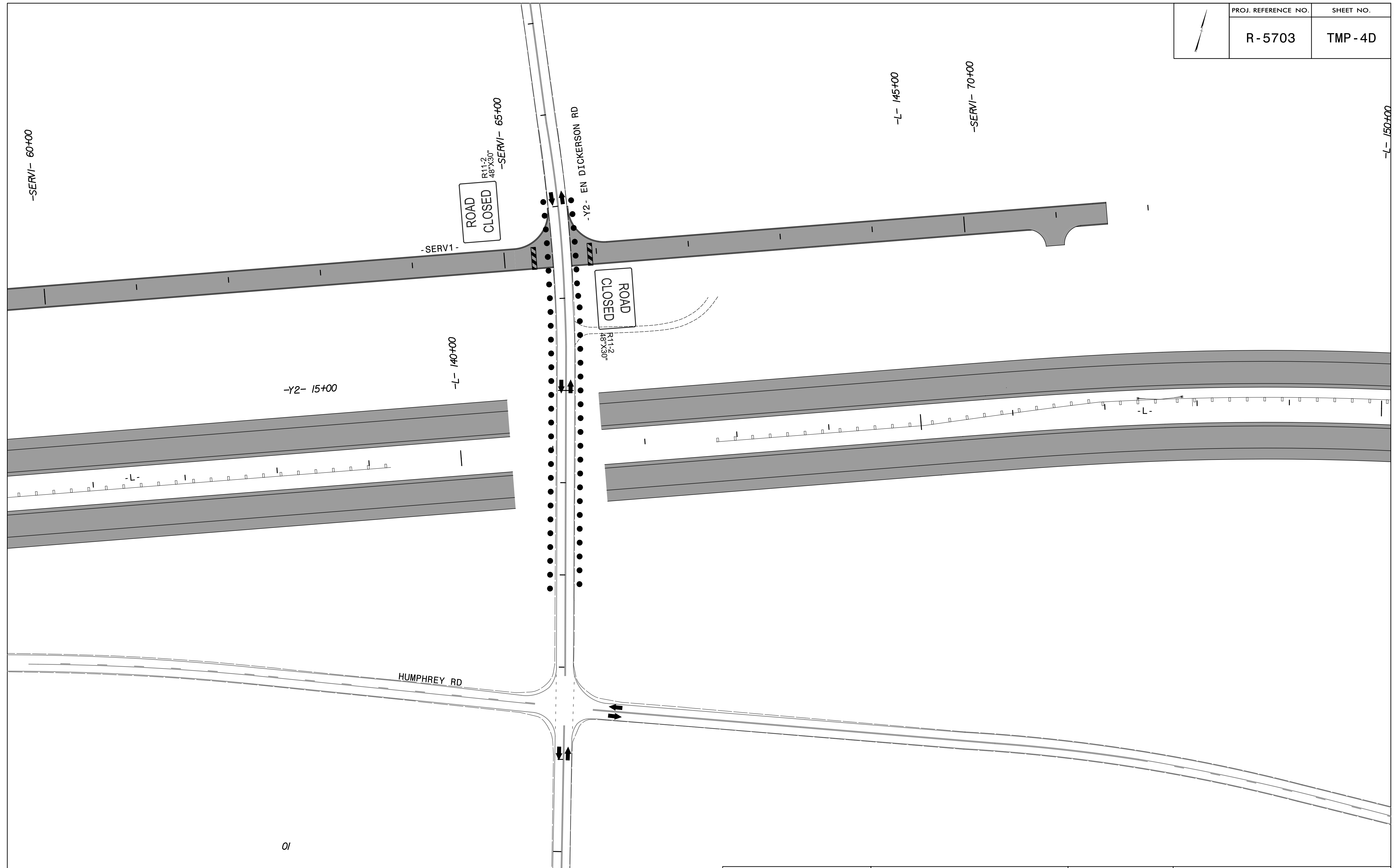
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NC 58 -Y1- ROAD CLOSURE AND DETOUR FOR GIRDER INSTALLATION

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4D



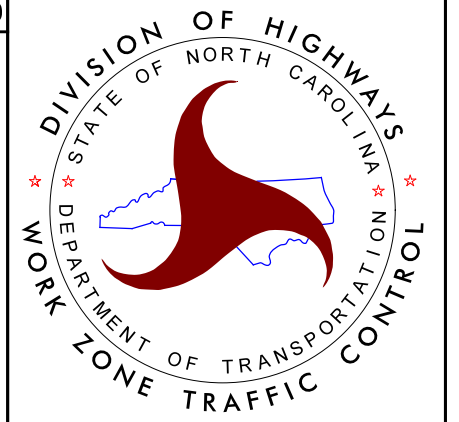
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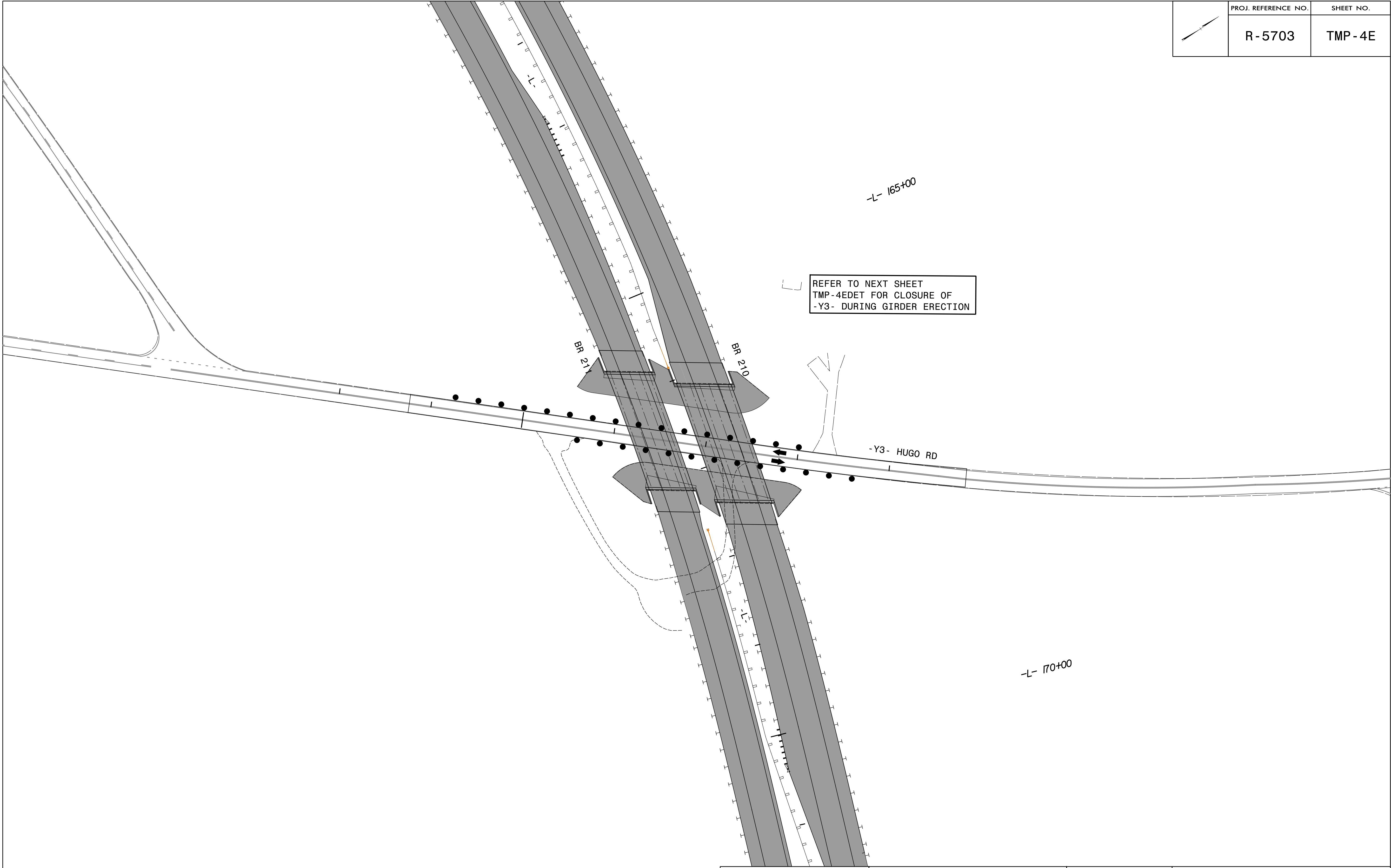
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SEAL 042065
9/15/2017



PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4E

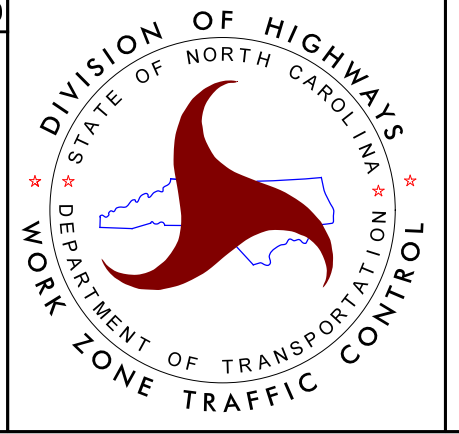


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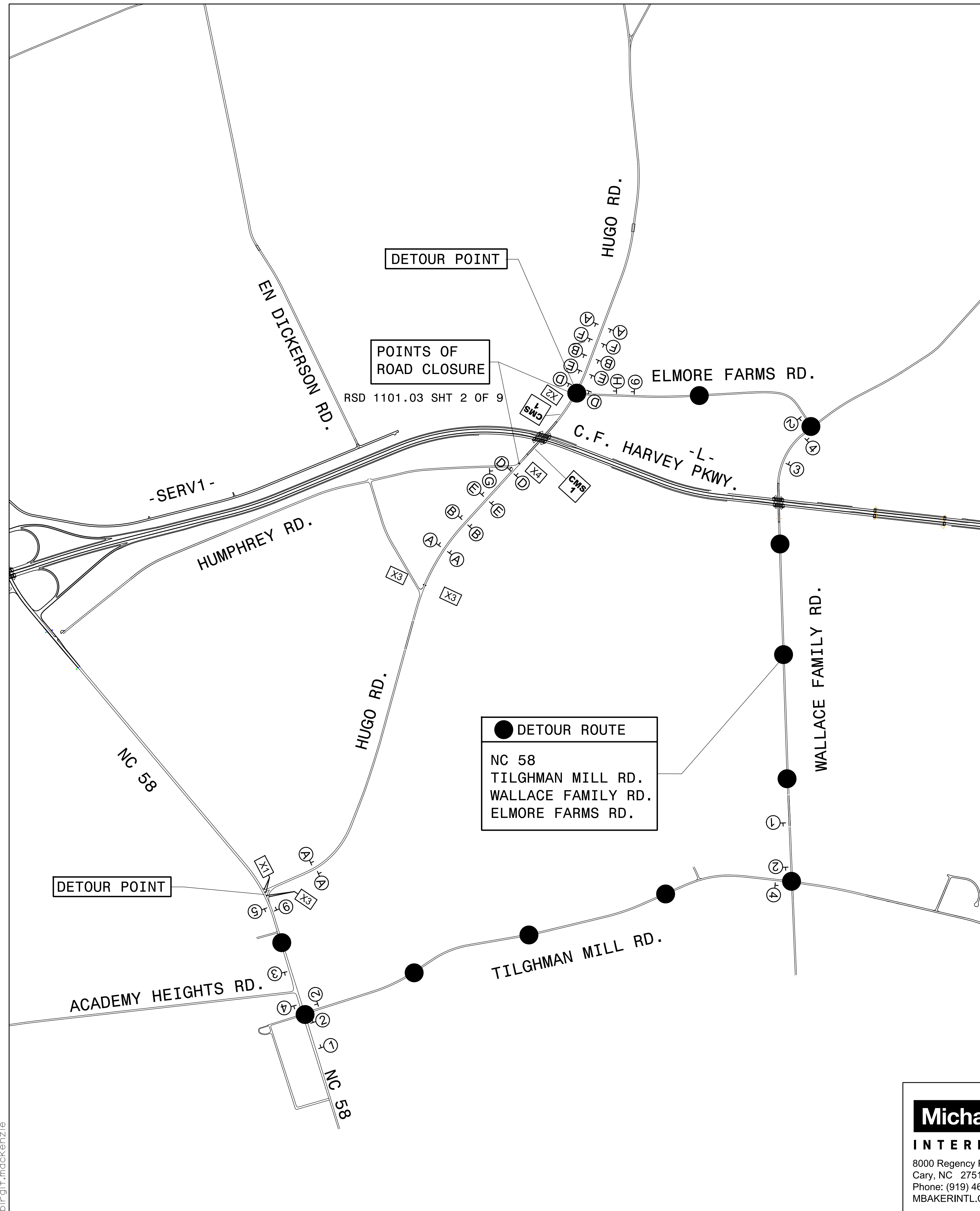
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PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 4EDET



SIGN LEGEND

A ROAD CLOSED AHEAD W20-3 48" X 48"	B ROAD CLOSED 1000 FT W20-3 48" X 48"	C ROAD CLOSED 500 FT W20-3 48" X 48"	D STOP R1-1 36" X 36"
E [Up Arrow Sign] W3-1A 48" X 48"	F DETOUR AHEAD W20-2 48" X 48"	G ROAD CLOSED NEXT LEFT W20-3 48" X 48" SP-4L 48" X 12"	H ROAD CLOSED W20-3 48" X 48" R3-2 24" X 24"

1 HUGO RD DETOUR M4-8 24" X 12" M5-1R 21" X 15"	2 HUGO RD DETOUR M4-8 24" X 12" M6-1 21" X 15"	3 HUGO RD DETOUR M4-8 24" X 12" M5-1 21" X 15"	4 HUGO RD DETOUR M4-8 24" X 12" M6-1L 21" X 15"	5 HUGO RD DETOUR M4-8 24" X 12" M6-3 21" X 15"	6 HUGO RD END DETOUR M4-8a 24" X 18"
--	---	---	--	---	---

X1 R11-4 (60" x 30") ROAD CLOSED TO THRU TRAFFIC DETOUR M4-10R (48" x 18") TYPE III BARRICADE	X2 R11-2 (48" X 30") ROAD CLOSED DETOUR M4-10L (48" x 18") TYPE III BARRICADE
---	---

X3 R11-4 (60" x 30") ROAD CLOSED TO THRU TRAFFIC TYPE III BARRICADE	X4 R11-2 (48" X 30") ROAD CLOSED TYPE III BARRICADE
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CMS MESSAGES PRIOR TO ROAD CLOSURE

CMS 1	CHANGEABLE MESSAGE SIGN	
	HUGO RD CLOSING	MM/DD TO MM/DD

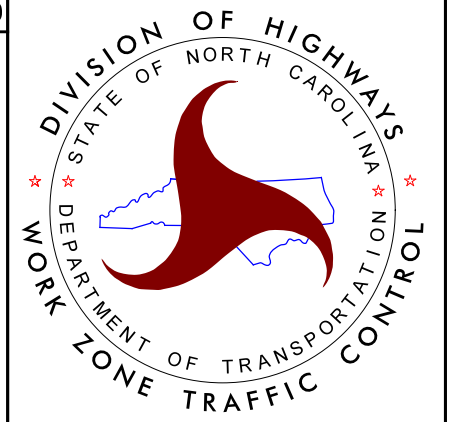
DETOUR ALLOWED ONLY FOR OVERHEAD BRIDGE GIRDER ERECTION. REFER TO PROJECT SPECIAL PROVISIONS - INTERMEDIATE CONTRACT TIMES.

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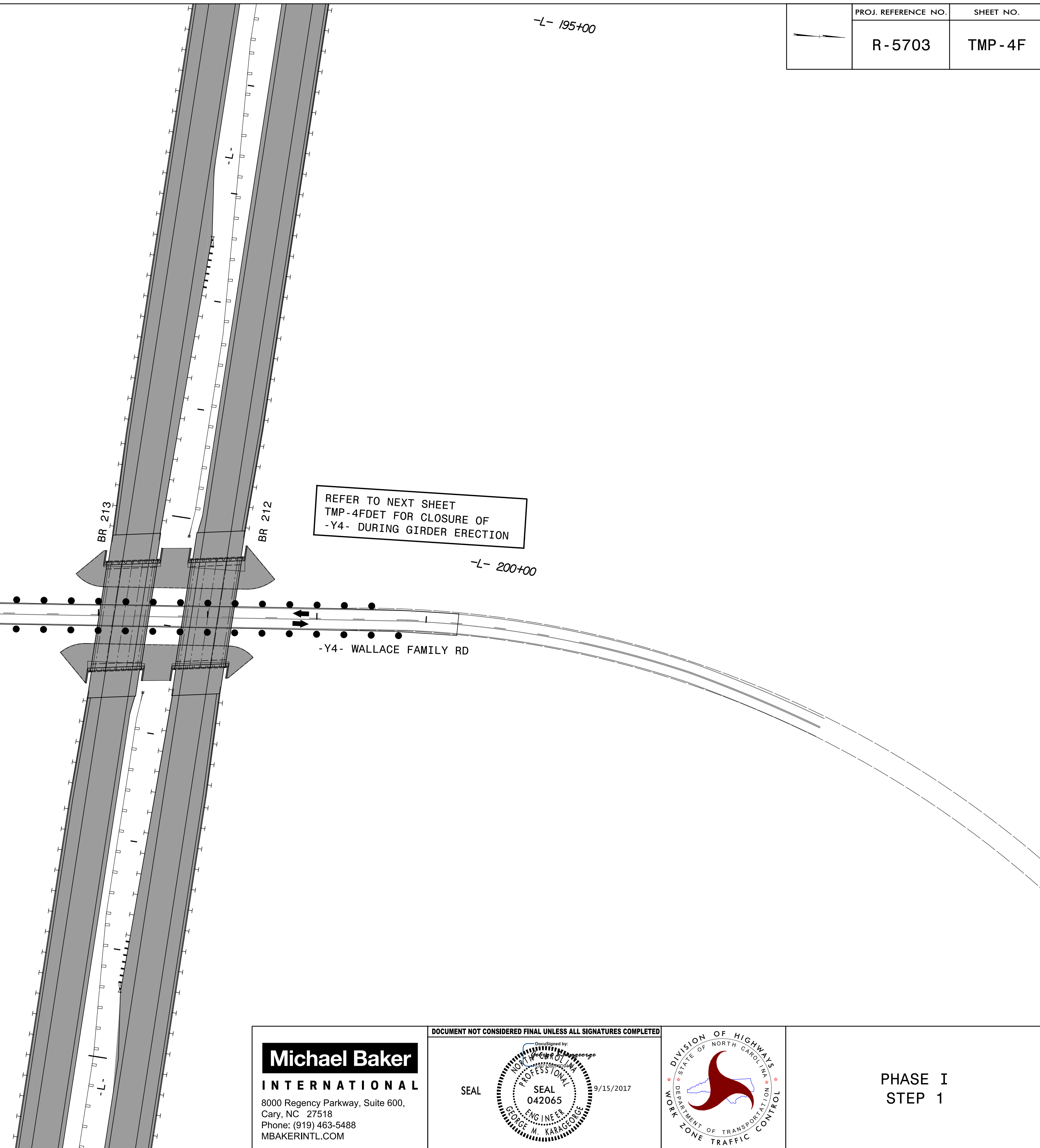
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GODGE W. KARAGODZE
PROFESSOR
SEAL 042065
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HUGO RD. -Y3- ROAD CLOSURE AND DETOUR FOR GIRDER INSTALLATION

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4F

-L- 195+00



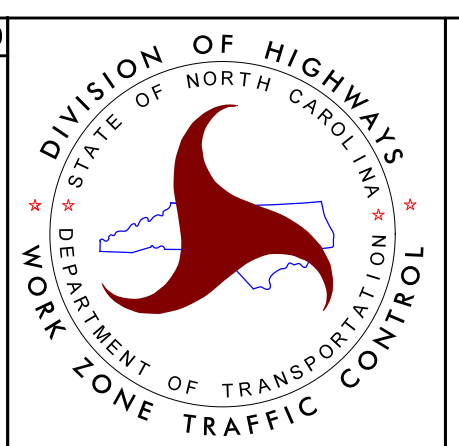
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DocuSigned by:
 George W. Karageorge
 9/15/2017

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 042065
 ENGINEER
 GEORGE W. KARAGEORGE



PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 4FDET

SIGN LEGEND

A ROAD CLOSED AHEAD W20-3 48" X 48"	B ROAD CLOSED 1000 FT W20-3 48"X48"	C ROAD CLOSED 500 FT W20-3 48"X48"	D STOP R1-1 36"X36"
E [Up Arrow with Stop Sign] W3-1A 48"X48"	F DETOUR AHEAD W20-2 48" X 48"	G ROAD CLOSED NEXT RIGHT W20-3 48" X 48" SP-4R 48"X12"	H ROAD CLOSED NEXT LEFT W20-3 48" X 48" SP-4L 48"X12"
			I ROAD CLOSED R3-1 24"X24"

1 WALLACE FAMILY RD DETOUR M4-8 24"X12" M5-1R 21"x15"	2 WALLACE FAMILY RD DETOUR M4-8 24"X12" M6-1 21"x15"	3 WALLACE FAMILY RD DETOUR M4-8 24"X12" M5-1 21"x15"	4 WALLACE FAMILY RD DETOUR M4-8 24"X12" M6-1L 21"x15"	5 WALLACE FAMILY RD DETOUR M4-8 24"X12" M6-3 21"x15"	6 WALLACE FAMILY RD END DETOUR M4-8a 24"X18"
--	---	---	--	---	--

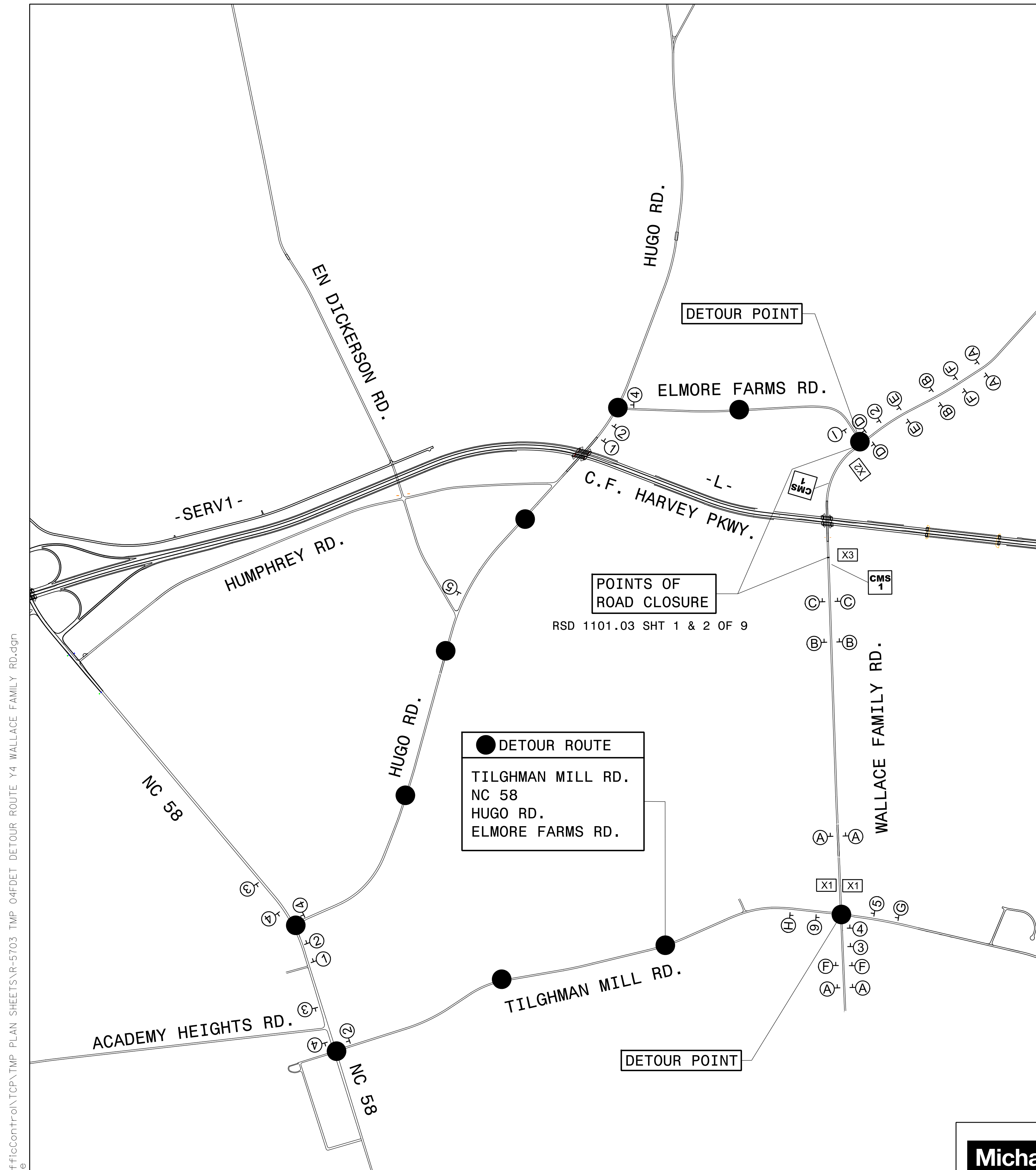
X1 R11-4 (60" x 30") ROAD CLOSED TO THRU TRAFFIC DETOUR M4-10L (48" x 18") TYPE III BARRICADE	X2 TYPE III BARRICADE	X3 R11-2 (48"X30") ROAD CLOSED M4-10L (48" x 18") TYPE III BARRICADE
---	---------------------------------	---

X3 TYPE III BARRICADE	X3 R11-2 (48"X30") ROAD CLOSED TYPE III BARRICADE
---------------------------------	---

CMS MESSAGES PRIOR TO ROAD CLOSURE

CMS 1	CHANGEABLE MESSAGE SIGN
	WALLACE FAM. RD. CLOSING MM/DD TO MM/DD

DETOUR ALLOWED ONLY FOR OVERHEAD BRIDGE GIRDER ERECTION. REFER TO PROJECT SPECIAL PROVISIONS - INTERMEDIATE CONTRACT TIMES.



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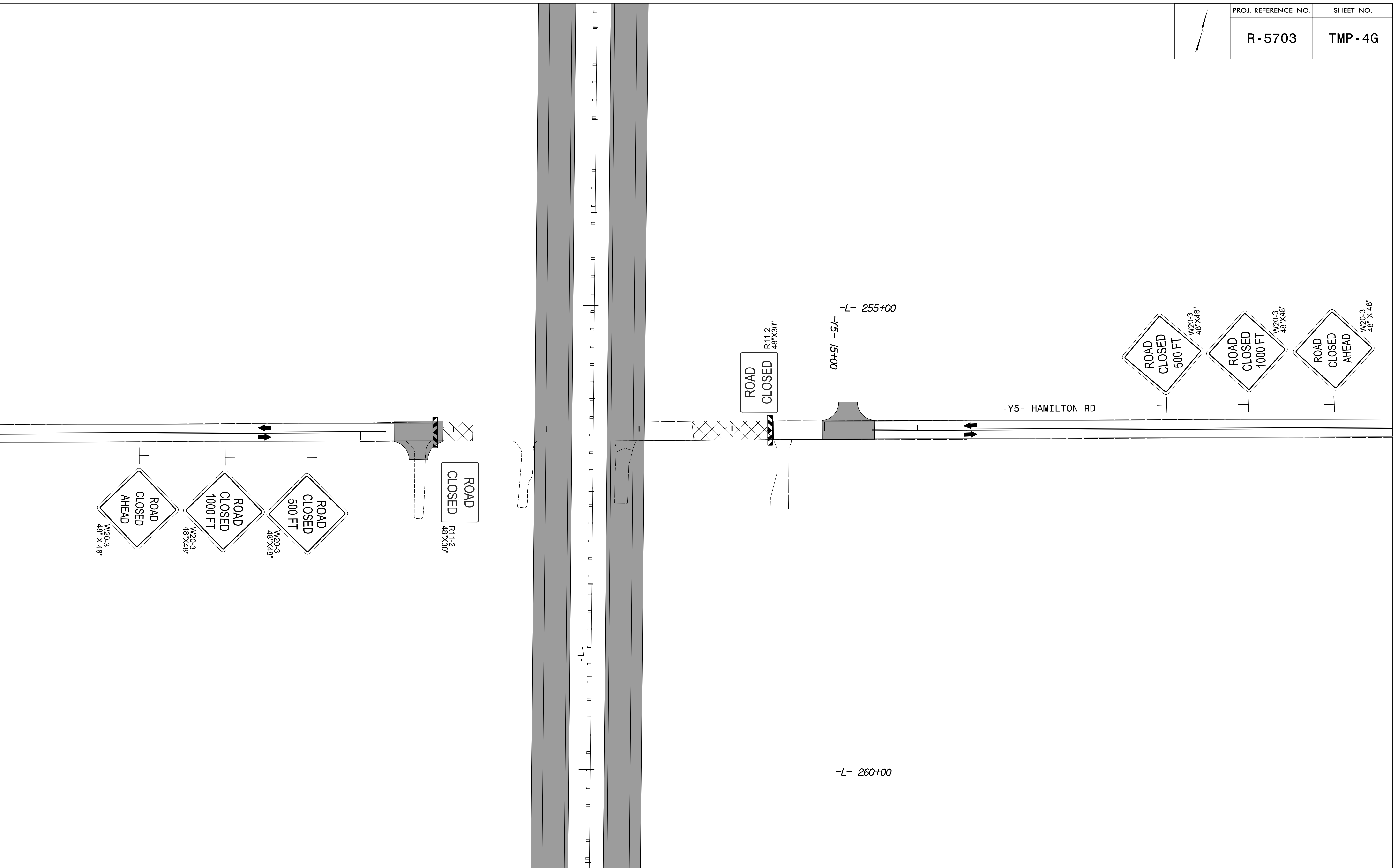
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PROFESSOR
SEAL 042065
ENGINEER
GODGE W. KARAGORKE
9/15/2017



WALLACE FAMILY RD. -Y4- ROAD CLOSURE AND DETOUR FOR GIRDER INSTALLATION

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 4G



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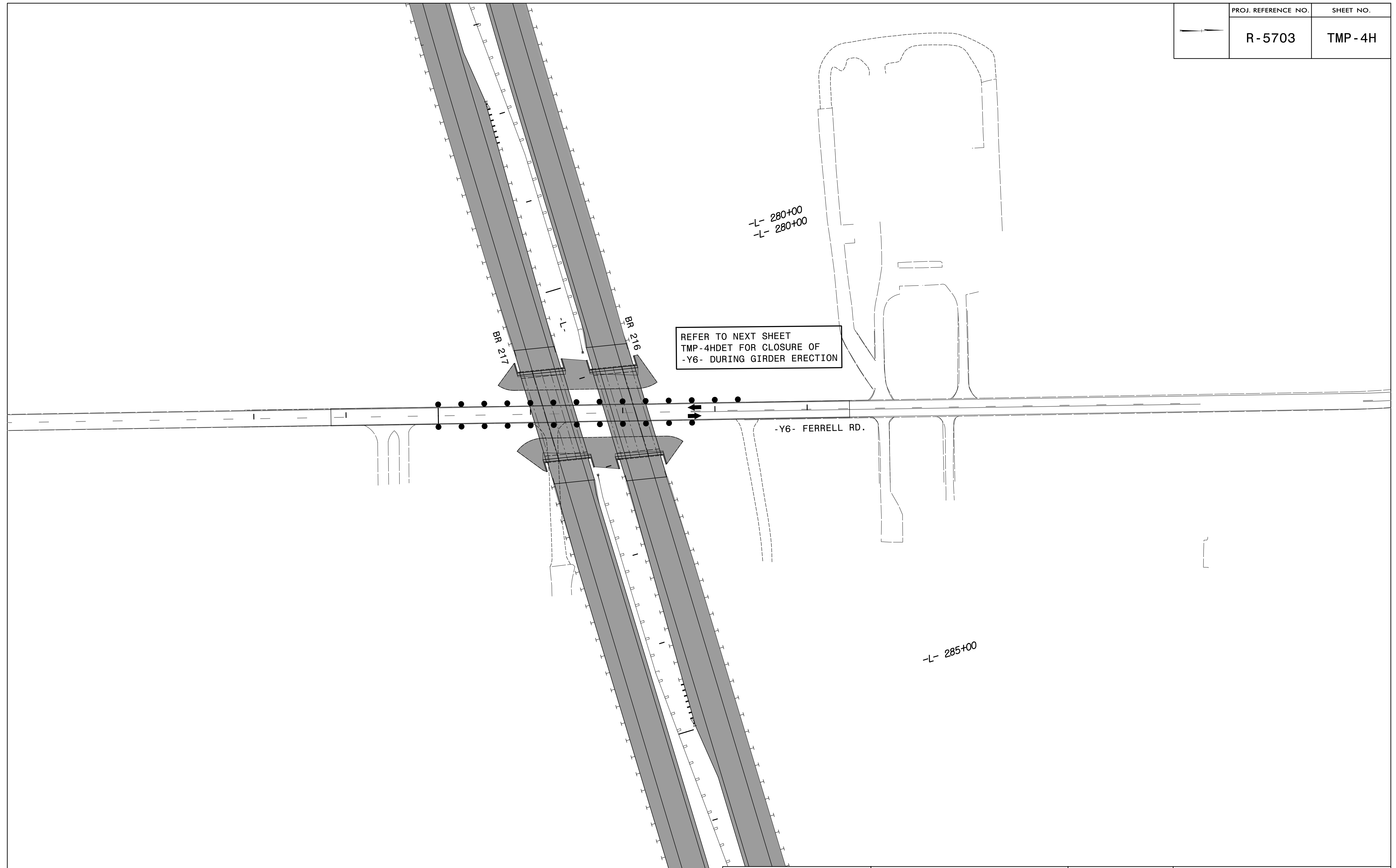
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 9/15/2017
 GEORGE W. KARAGEORGE
 ENGINEER



PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4H

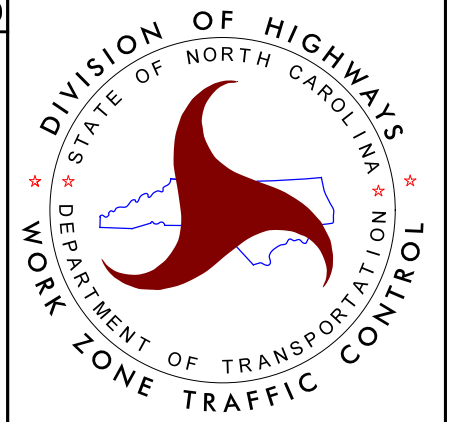


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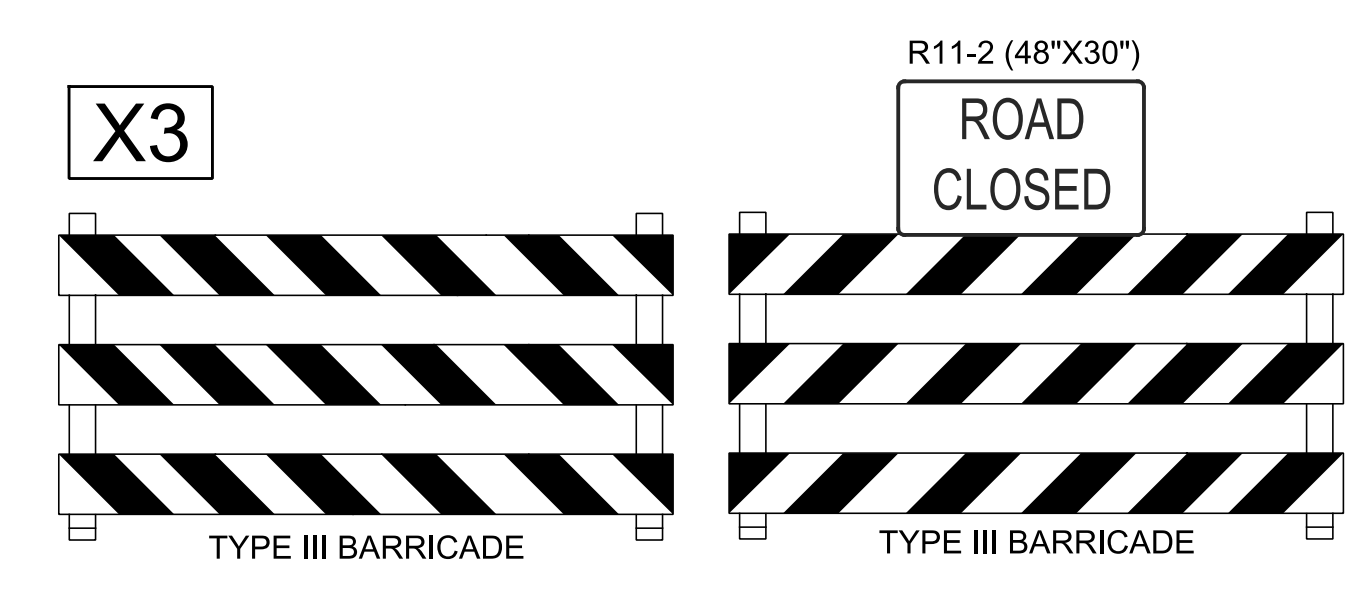
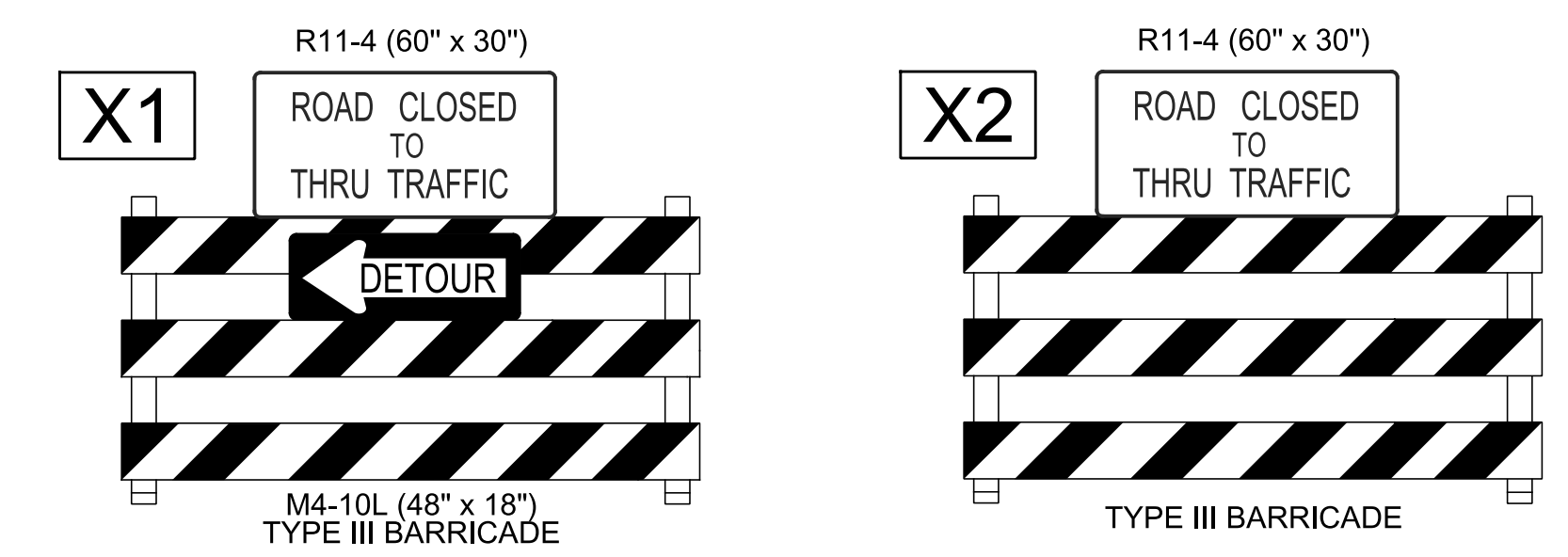
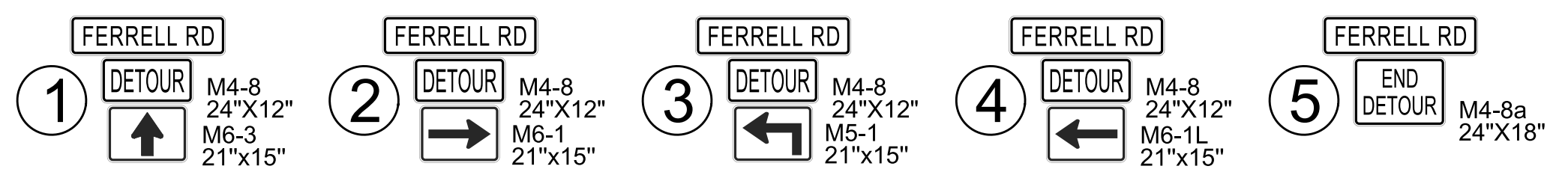
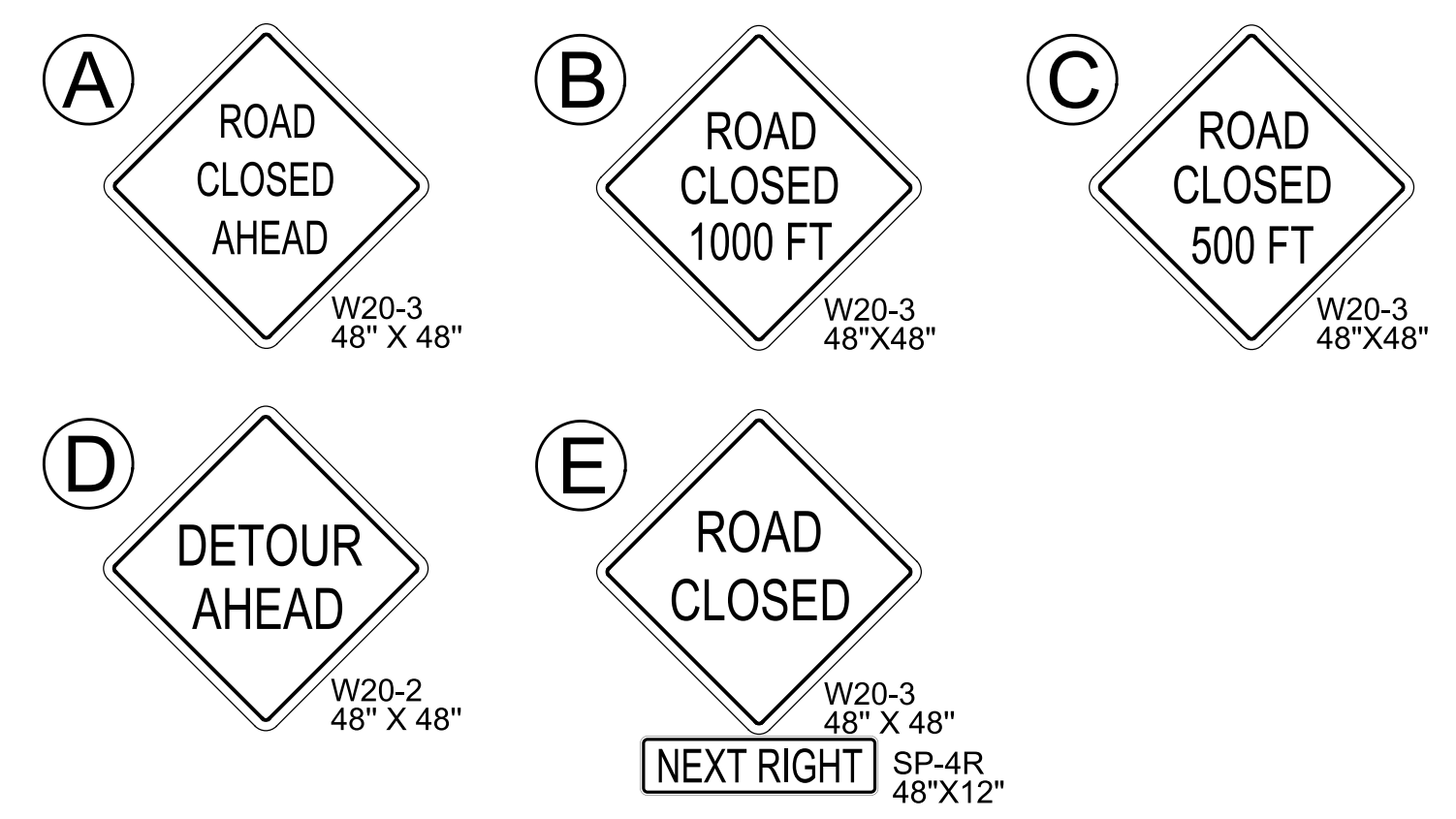
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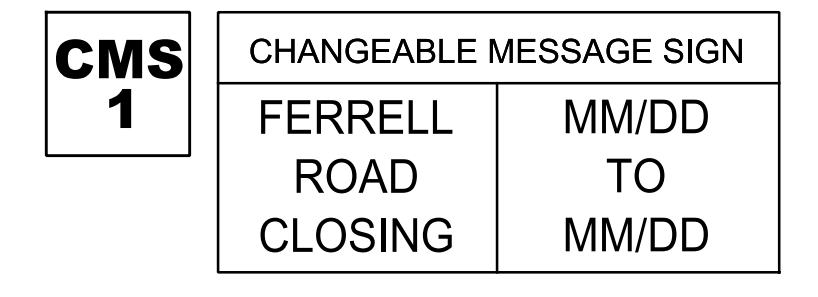
PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 4HDET

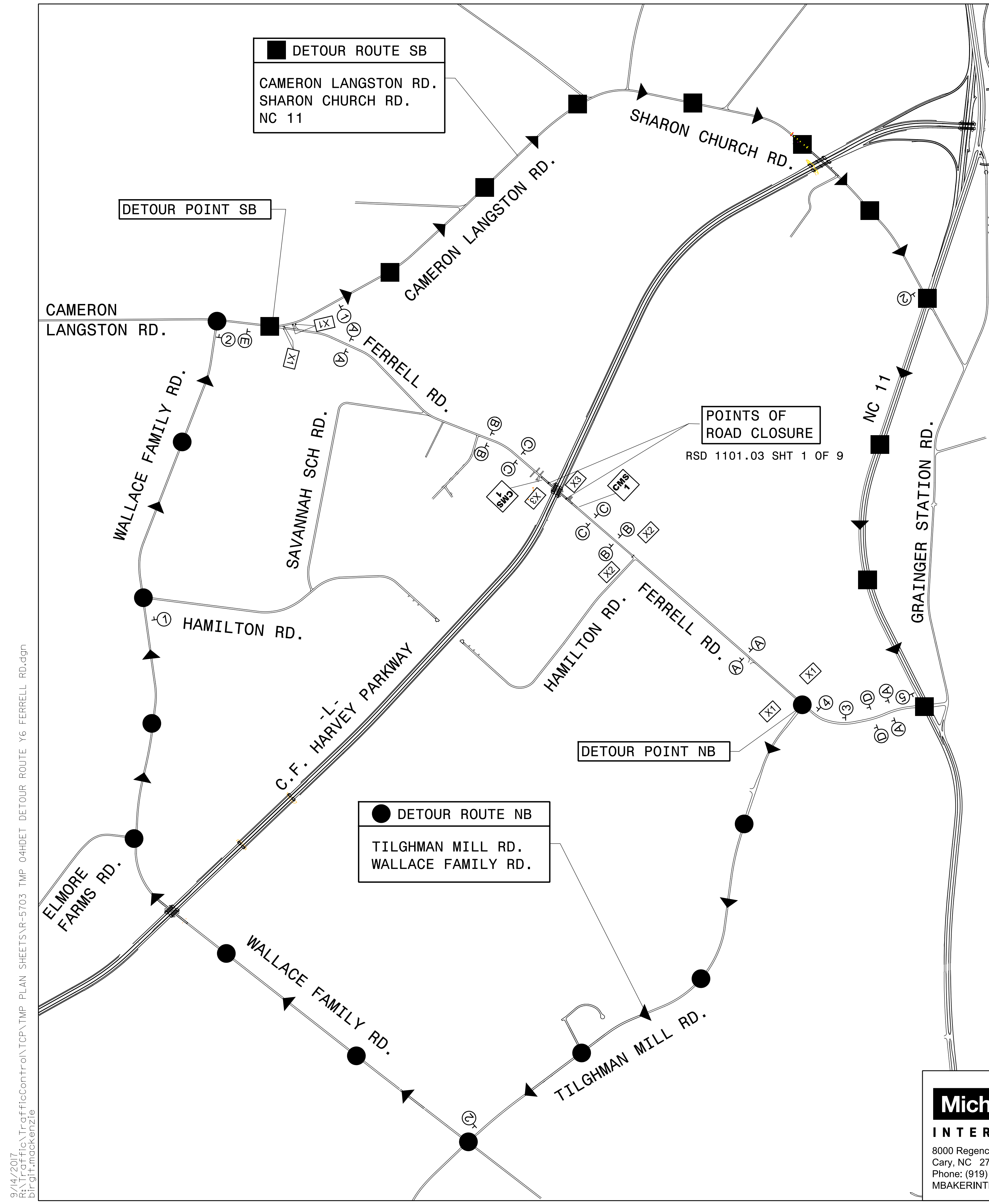
SIGN LEGEND



CMS MESSAGES PRIOR TO ROAD CLOSURE



DETOUR ALLOWED ONLY FOR OVERHEAD BRIDGE GIRDER ERECTION. REFER TO PROJECT SPECIAL PROVISIONS - INTERMEDIATE CONTRACT TIMES.

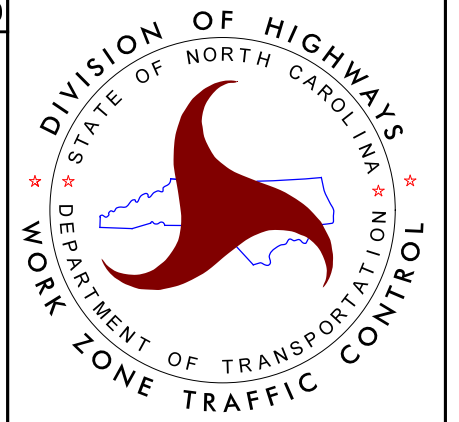


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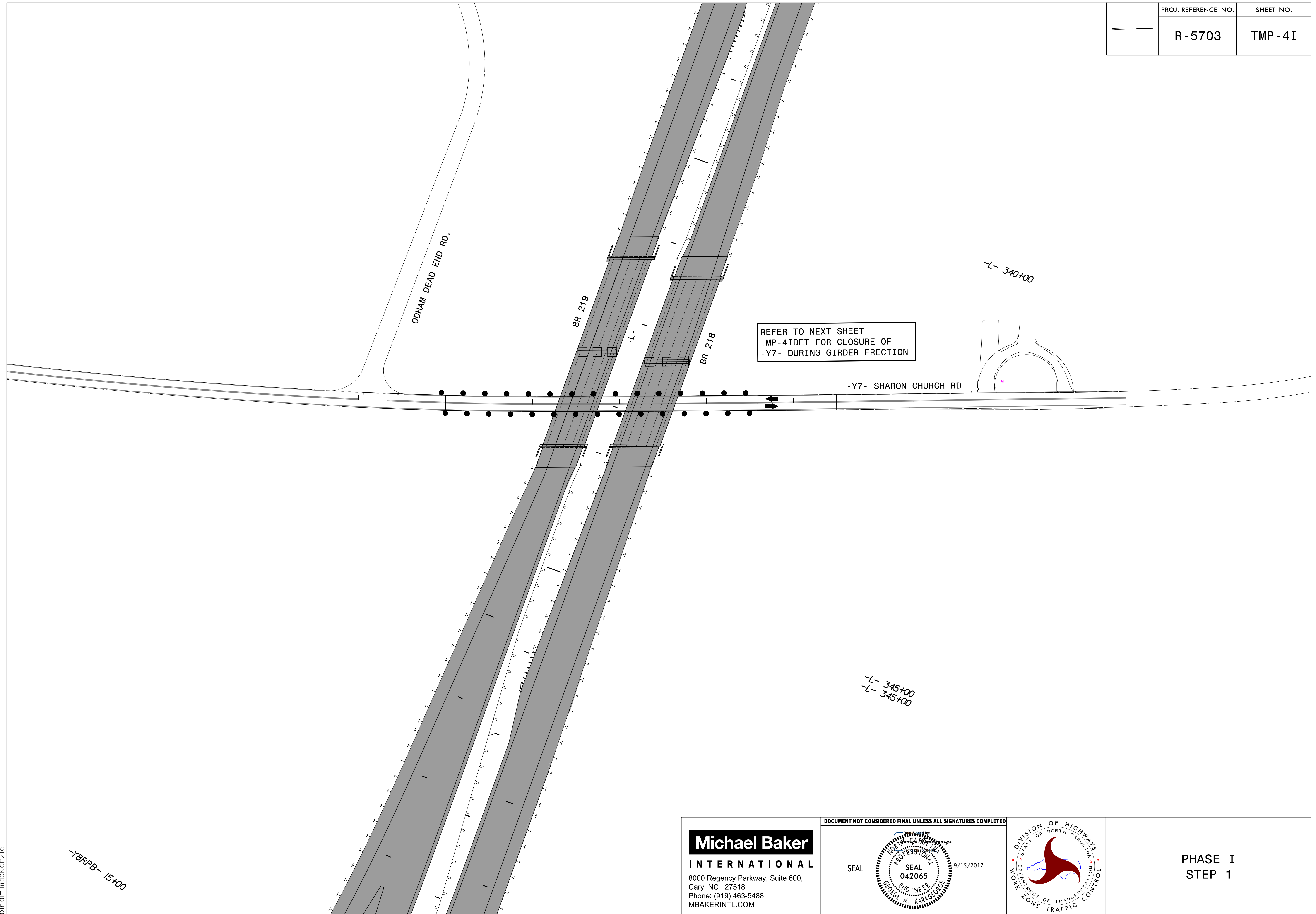
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SEAL
PROFESSOR
042065
11/15/2017
GEOGE W. KARAGEORGE



FERRELL RD. -Y6- ROAD CLOSURE AND DETOUR FOR GIRDER INSTALLATION

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4I



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bir-git.mackenzie

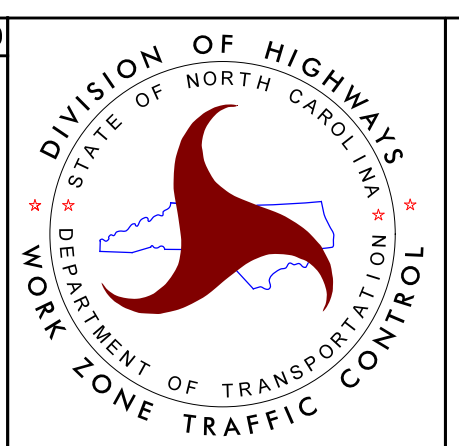
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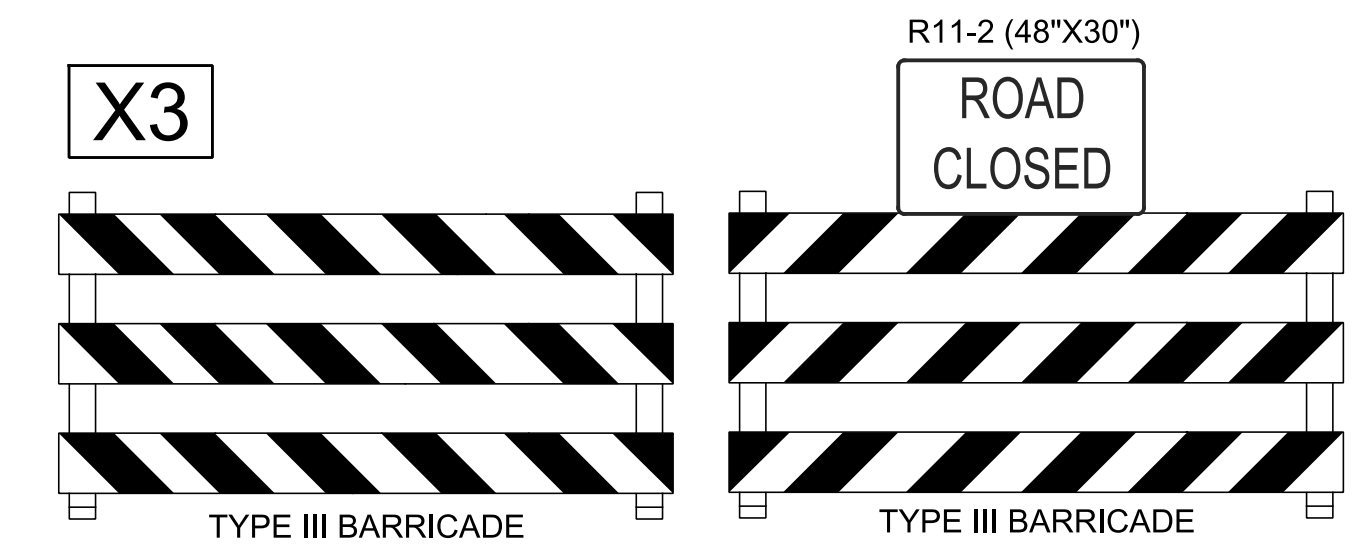
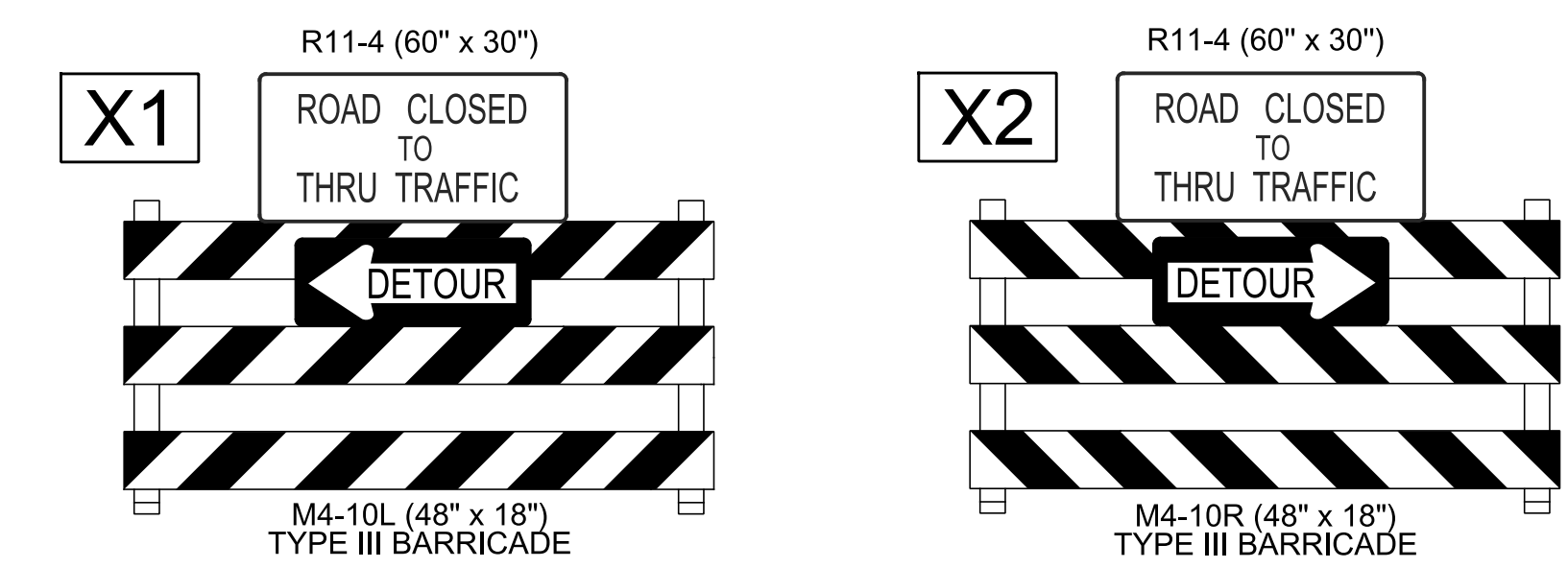
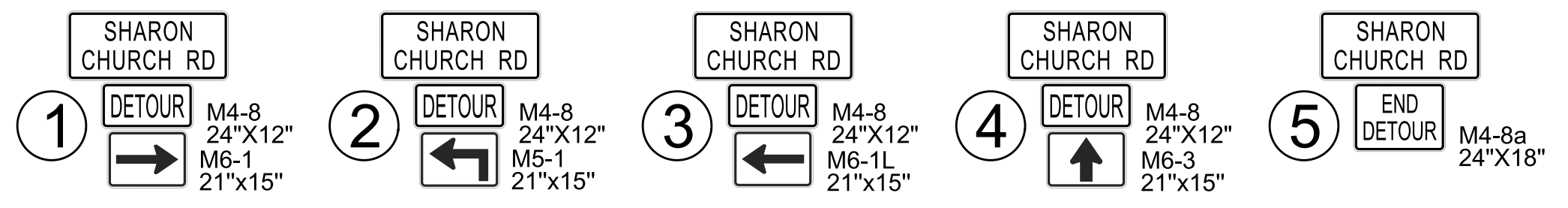
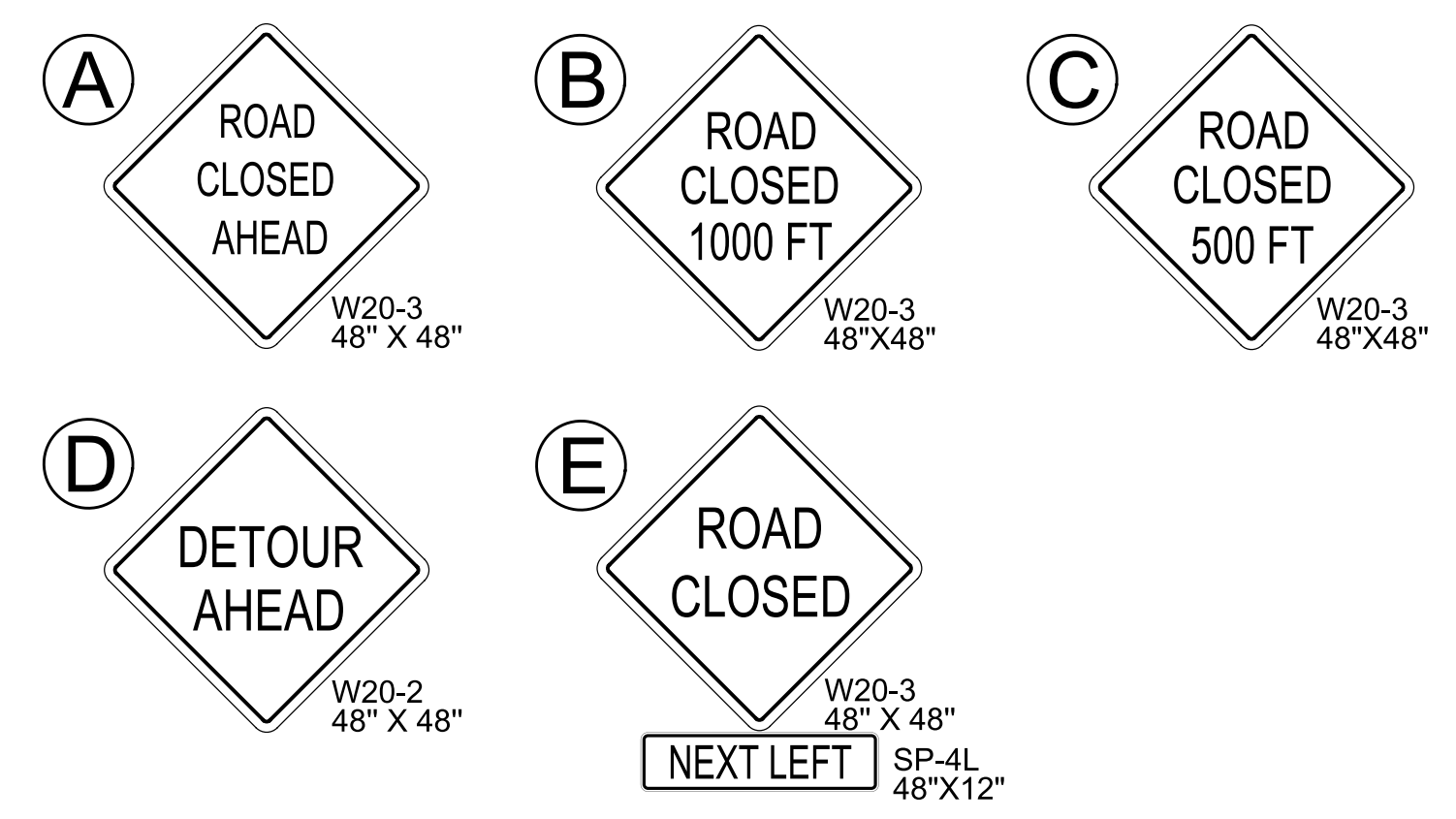
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ENGINEER
GEORGE W. KARAGEORGE



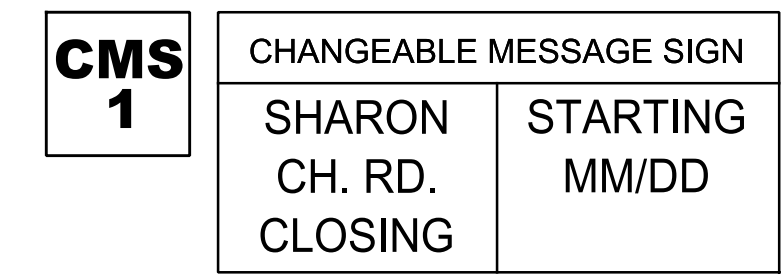
PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4IDET

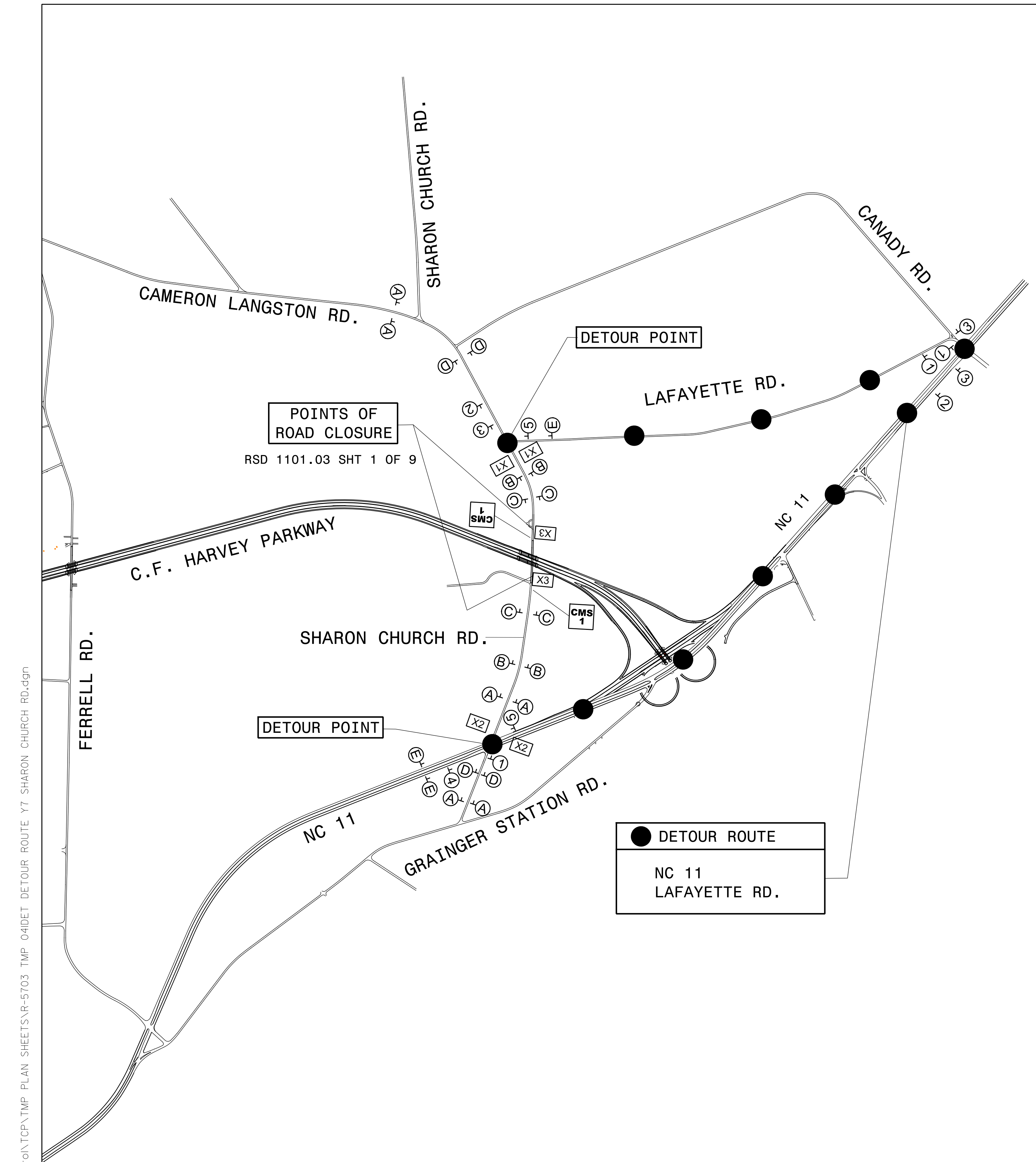
SIGN LEGEND



CMS MESSAGES PRIOR TO ROAD CLOSURE



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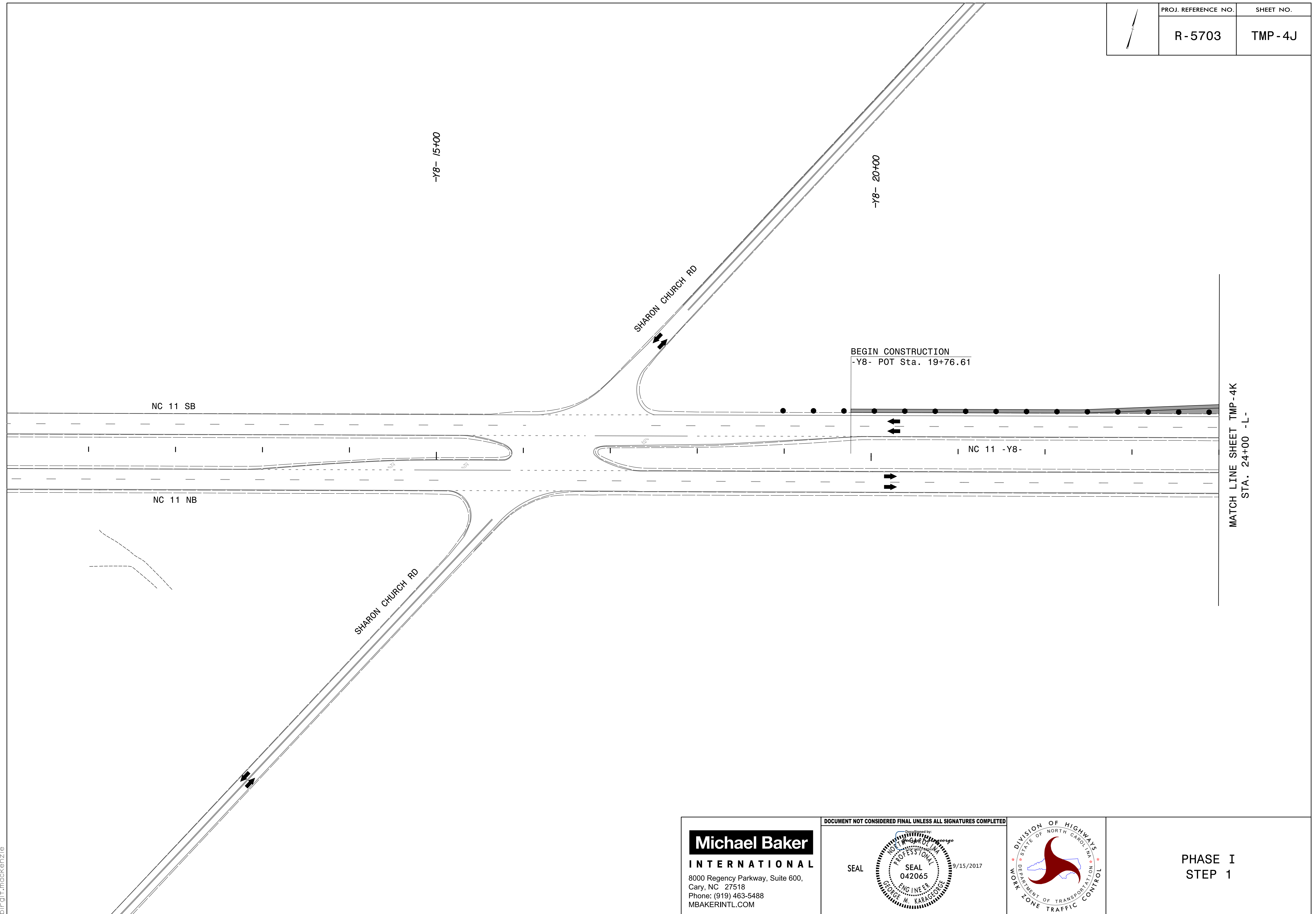
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SHARON CHURCH RD. -Y7- ROAD CLOSURE AND DETOUR FOR GIRDER INSTALLATION

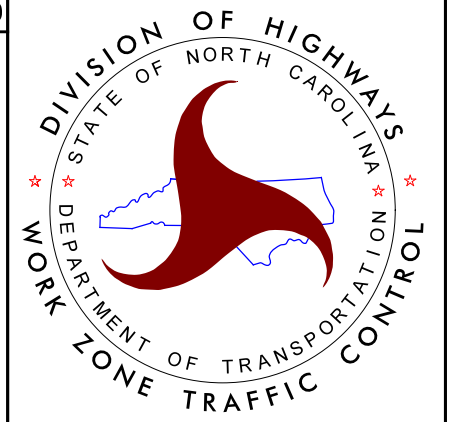
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R-5703	TMP-4J



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PHASE I
STEP 1

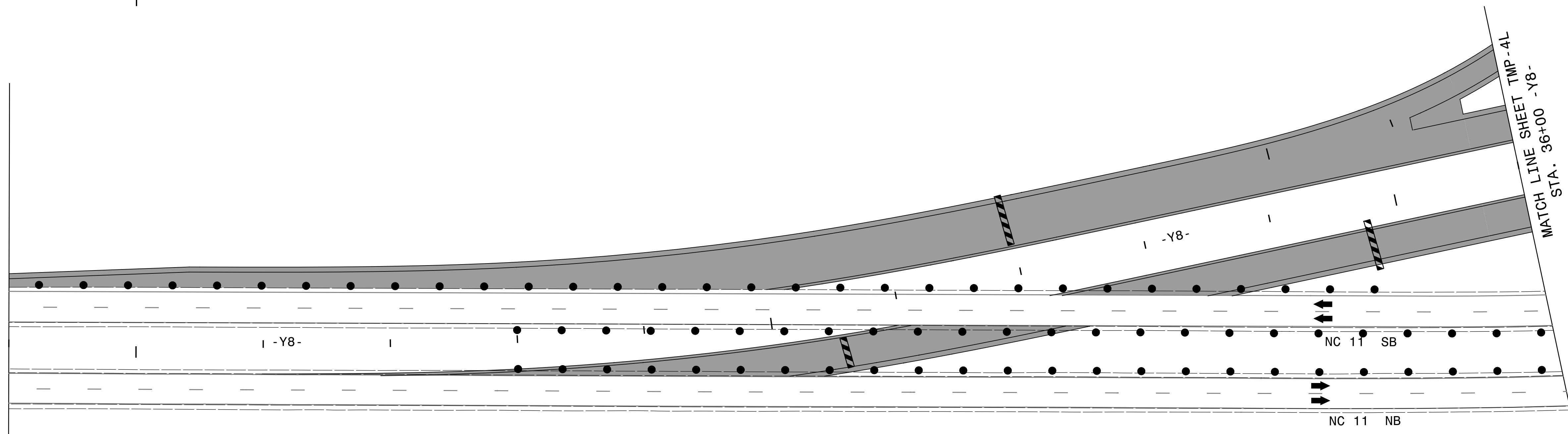
PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4K

MATCH LINE SHEET TMP-4J
STA. 24+00 -Y8-

-Y8- 25+00

-Y8- 30+00

MATCH LINE SHEET TMP-4L
STA. 36+00 -Y8-



ROAD CLOSED

-Y8- 35+00

GRAINGER STATION RD

ROAD CLOSED AHEAD

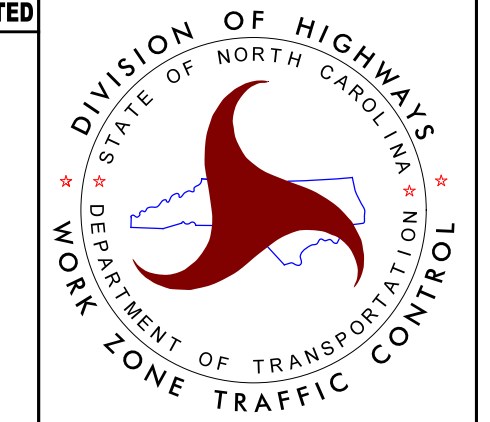
ROAD CLOSED 1000 FT

ROAD CLOSED 500 FT

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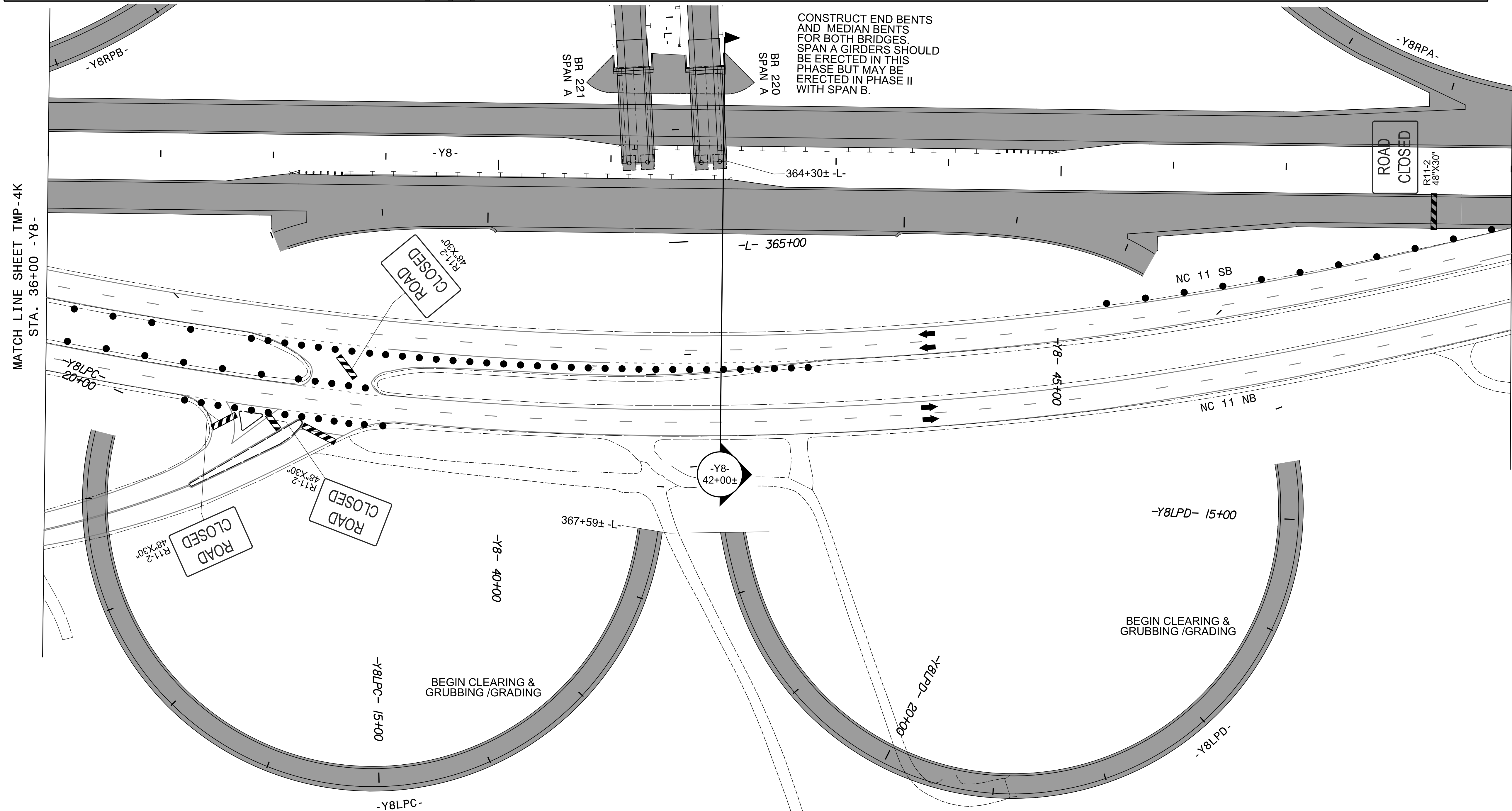
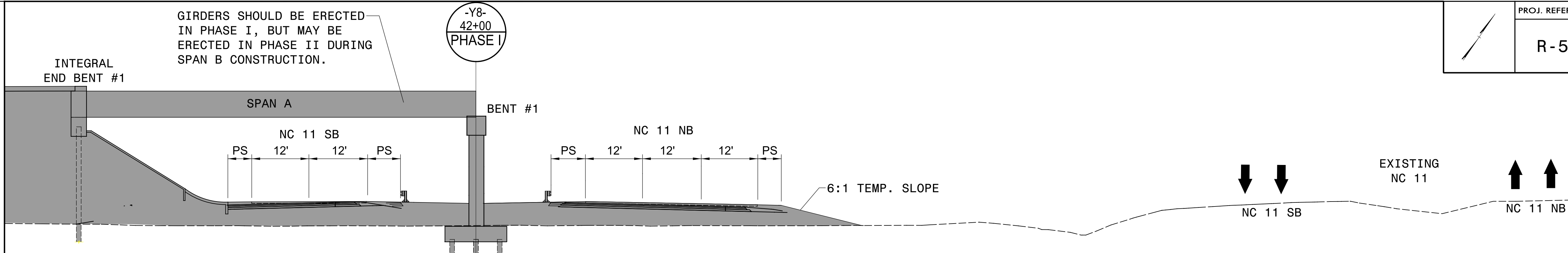
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PROFESSIONAL ENGINEER
GEORGE W. KARAGEORGE
042065
9/15/2017



PHASE I
STEP 1

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PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4L



MATCH LINE SHEET TMP-4K
STA. 36+00 -Y8-

MATCH LINE SHEET TMP-4M
STA. 49+00 -Y8-

GIRDERS SHOULD BE ERECTED IN PHASE I, BUT MAY BE ERECTED IN PHASE II DURING SPAN B CONSTRUCTION.

CONSTRUCT END BENTS AND MEDIAN BENTS FOR BOTH BRIDGES. SPAN A GIRDERS SHOULD BE ERECTED IN THIS PHASE BUT MAY BE ERECTED IN PHASE II WITH SPAN B.

BEGIN CLEARING & GRUBBING /GRADING

BEGIN CLEARING & GRUBBING /GRADING

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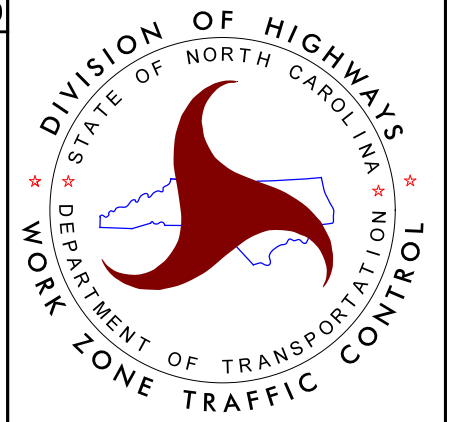
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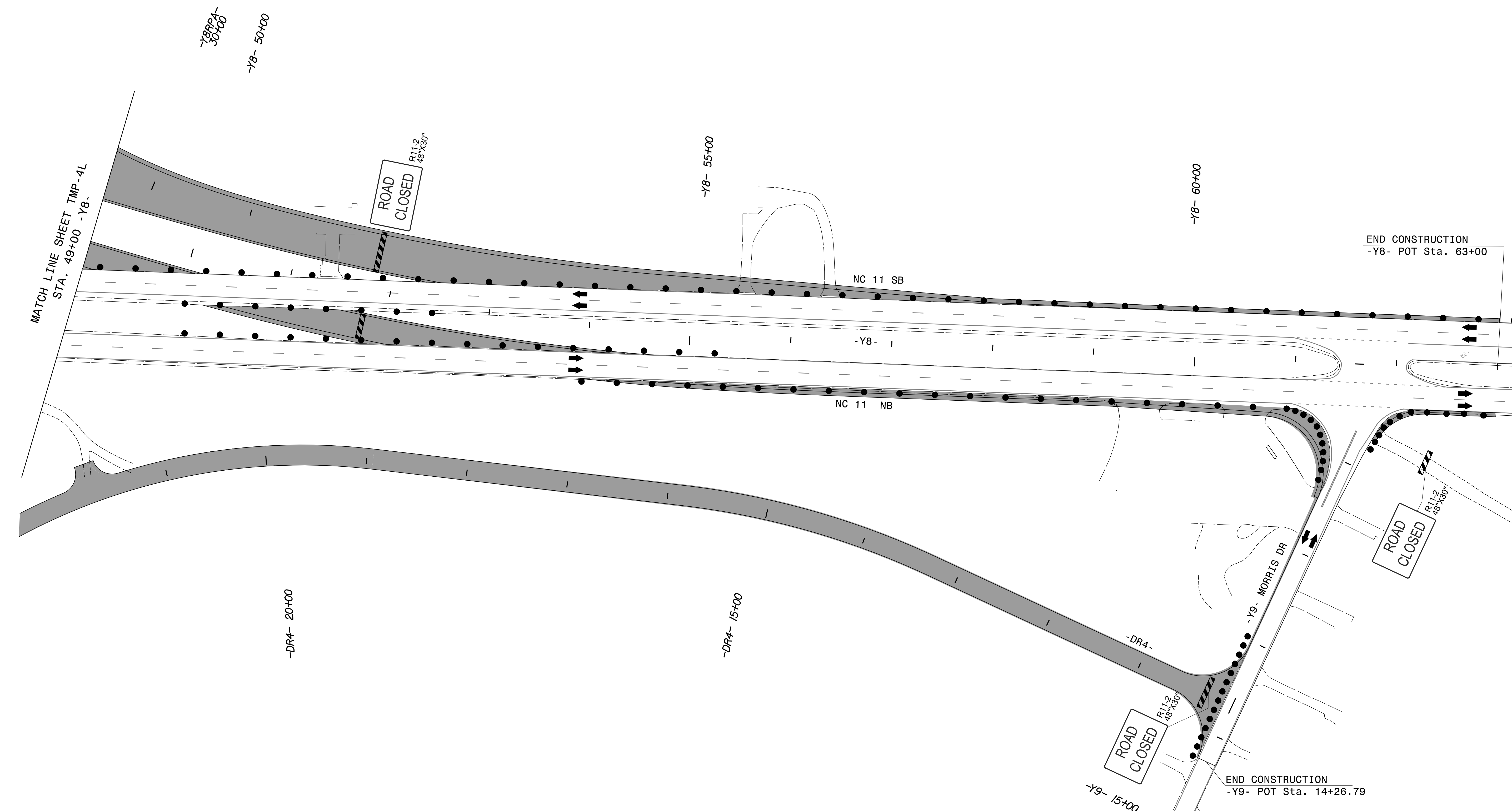
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9/15/2017



PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-4M



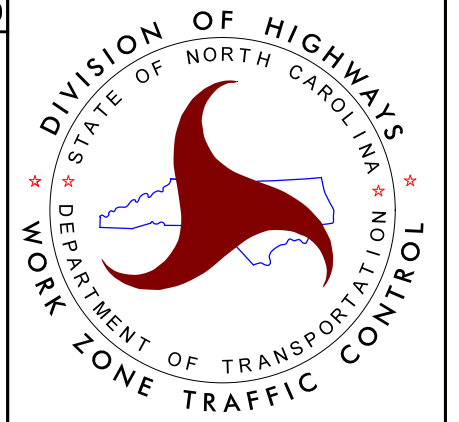
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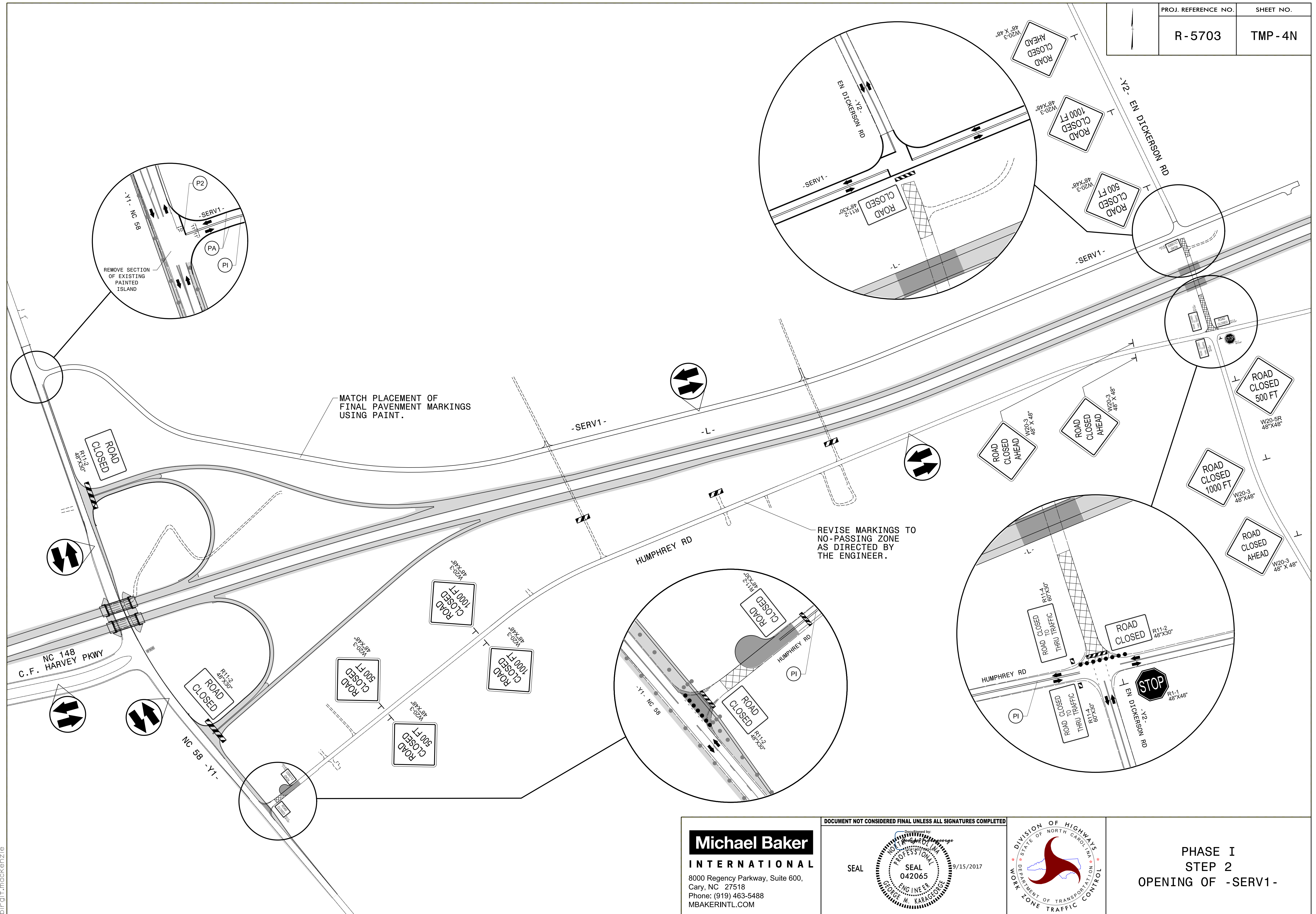
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SEAL
 042065
 9/15/2017
 GEORGE W. KARAGEORGE
 ENGINEER



PHASE I
STEP 1

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 4N



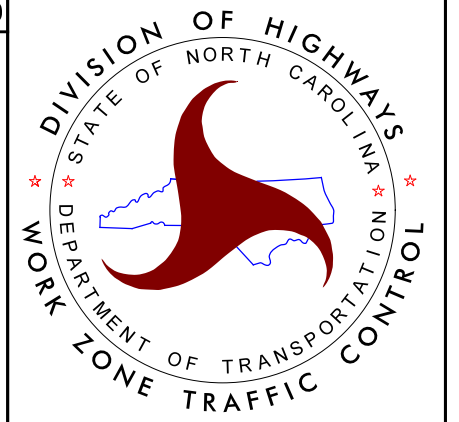
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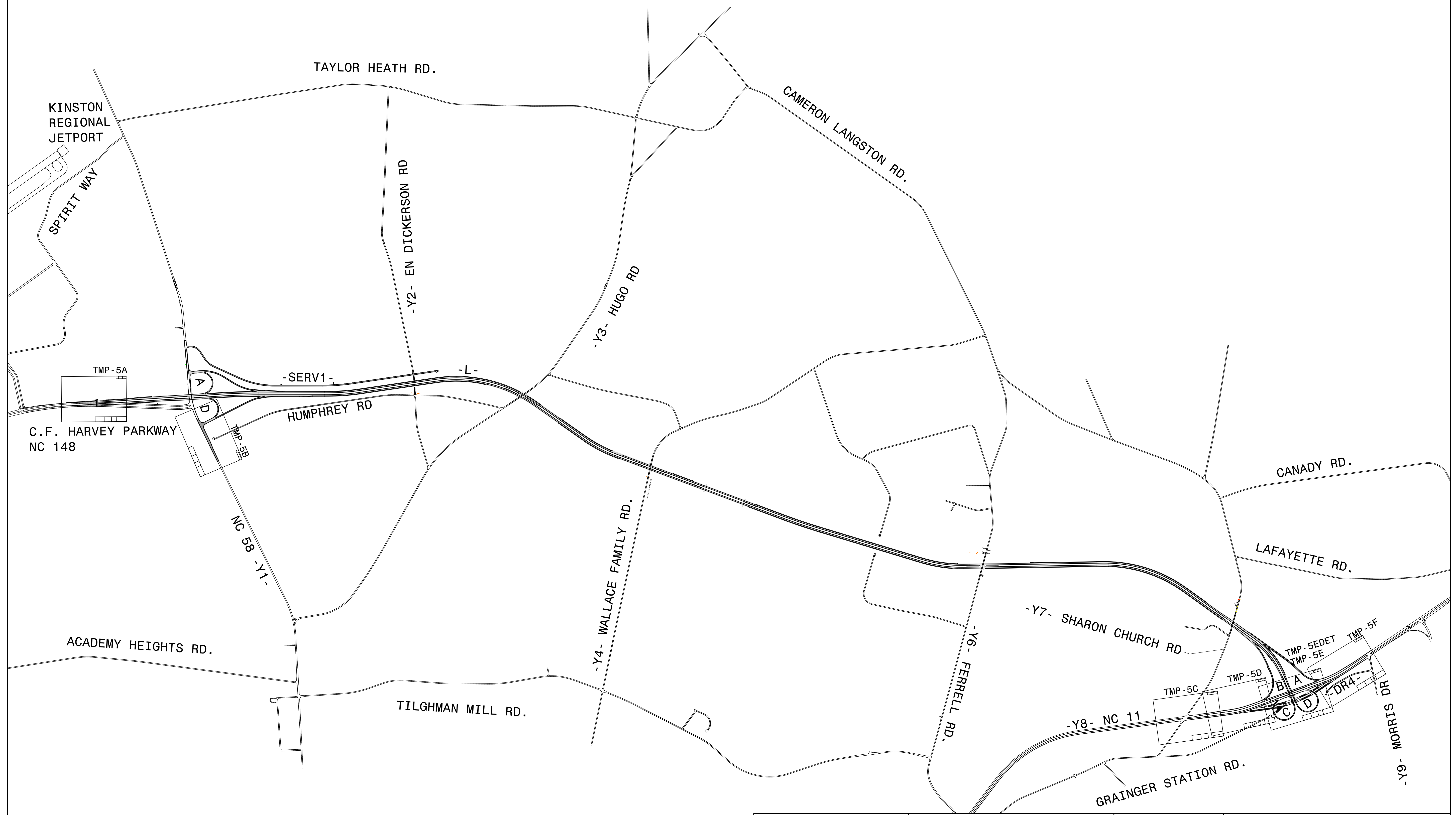
SEAL

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**PHASE I
 STEP 2
 OPENING OF -SERV1-**

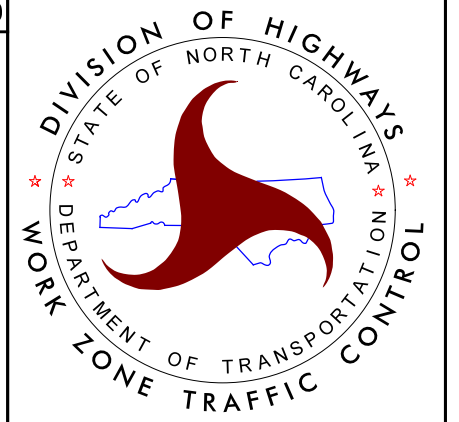
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R-5703	TMP-5



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 9/15/2017
 ENGINEER
 GEORGE W. KARAGEORGE

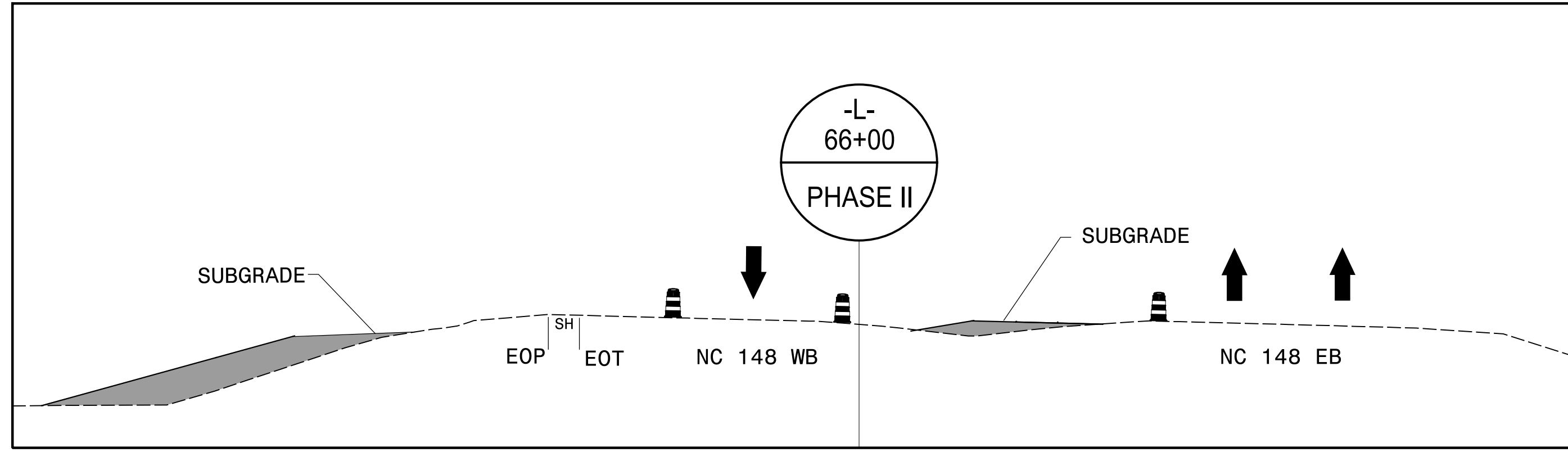


PHASE II
OVERVIEW

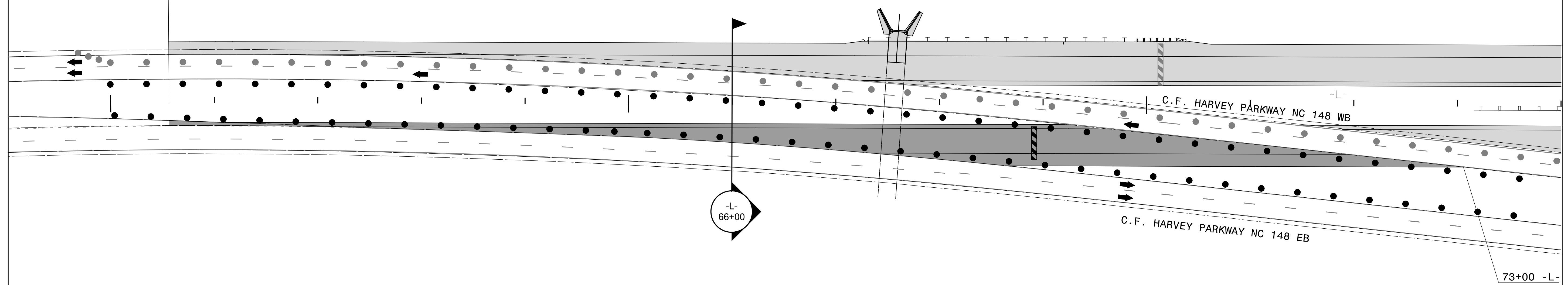
PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-5A

-L- 60+00

-L- 70+00



BEGIN TIP PROJECT R-5703
-L- CS Sta. 60+56.32



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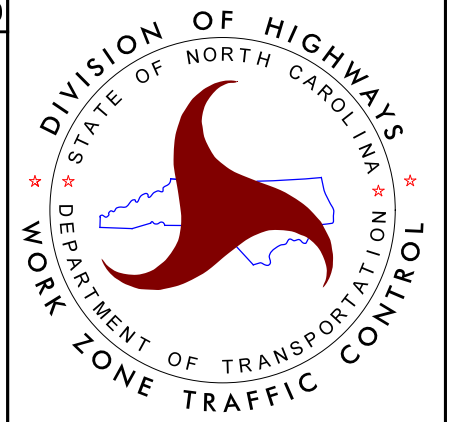
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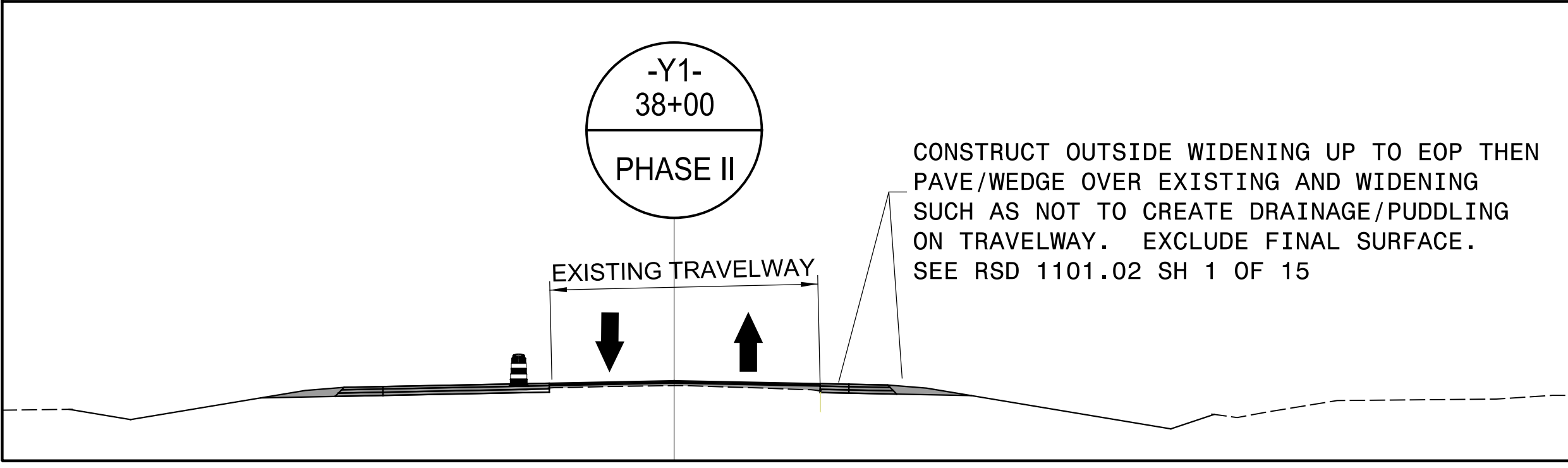
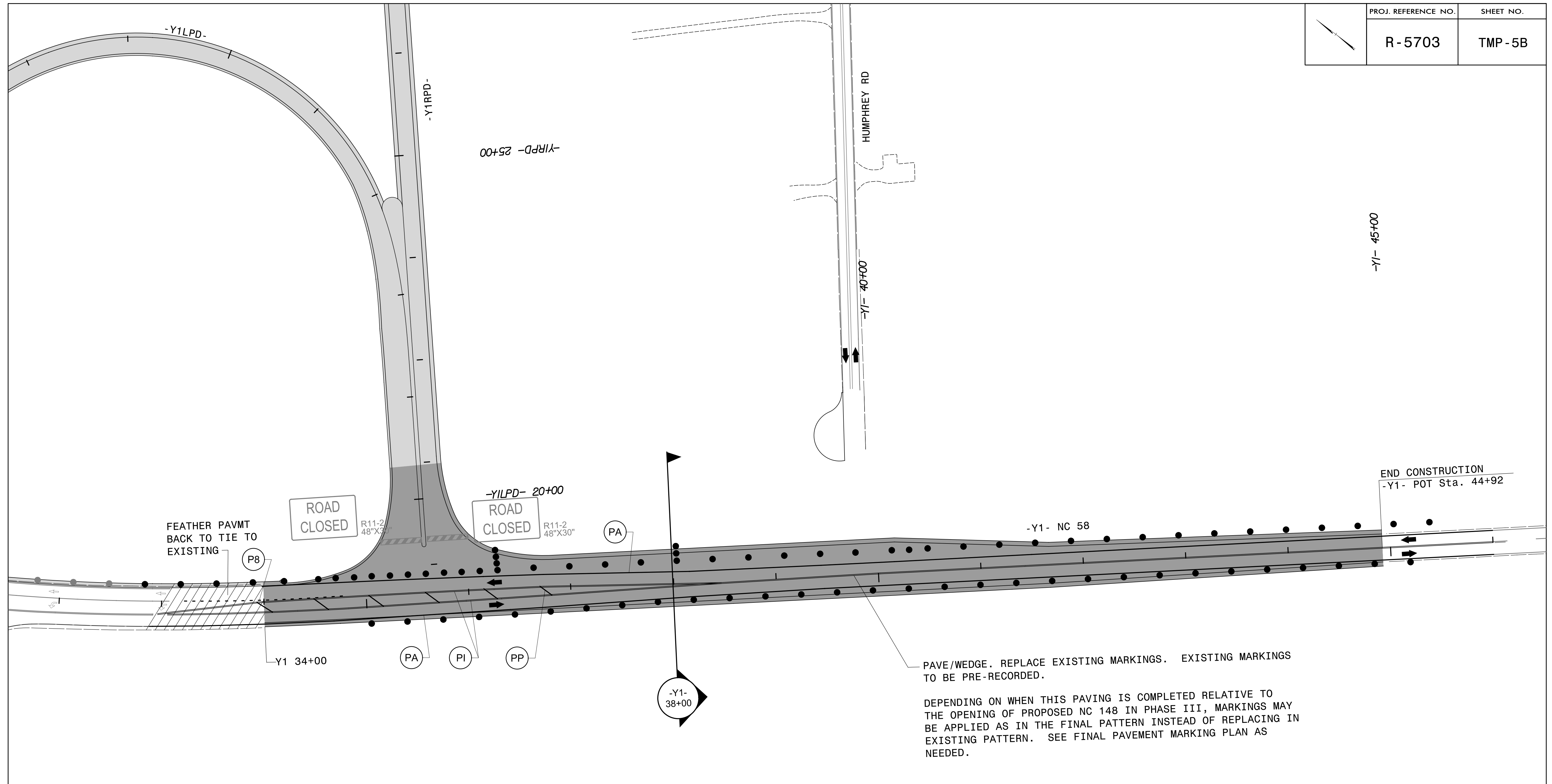
DESIGNED BY: *George W. Karageorge*
CHECKED BY: *George W. Karageorge*
DATE: 9/15/2017

PROFESSIONAL SEAL
042065
ENGINEER
GEORGE W. KARAGEORGE



PHASE II

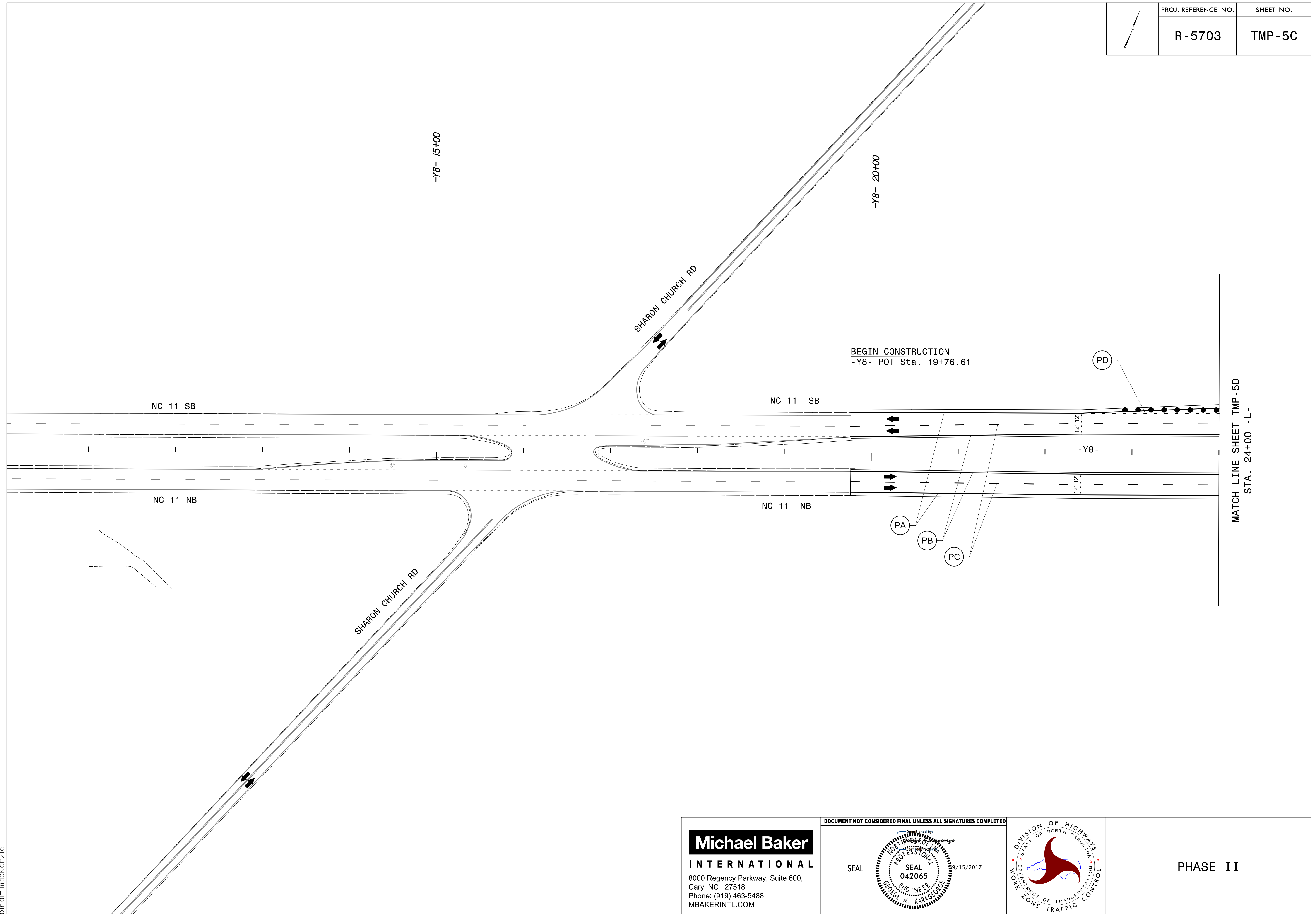
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R-5703	TMP-5B



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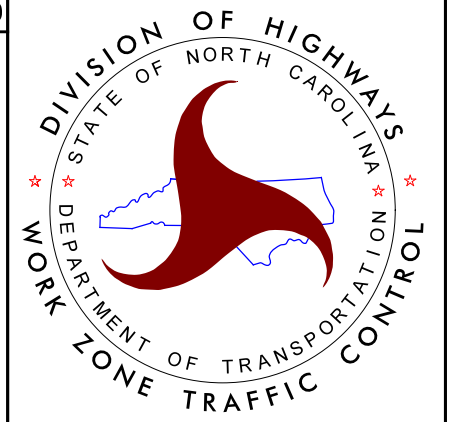
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R-5703	TMP-5C



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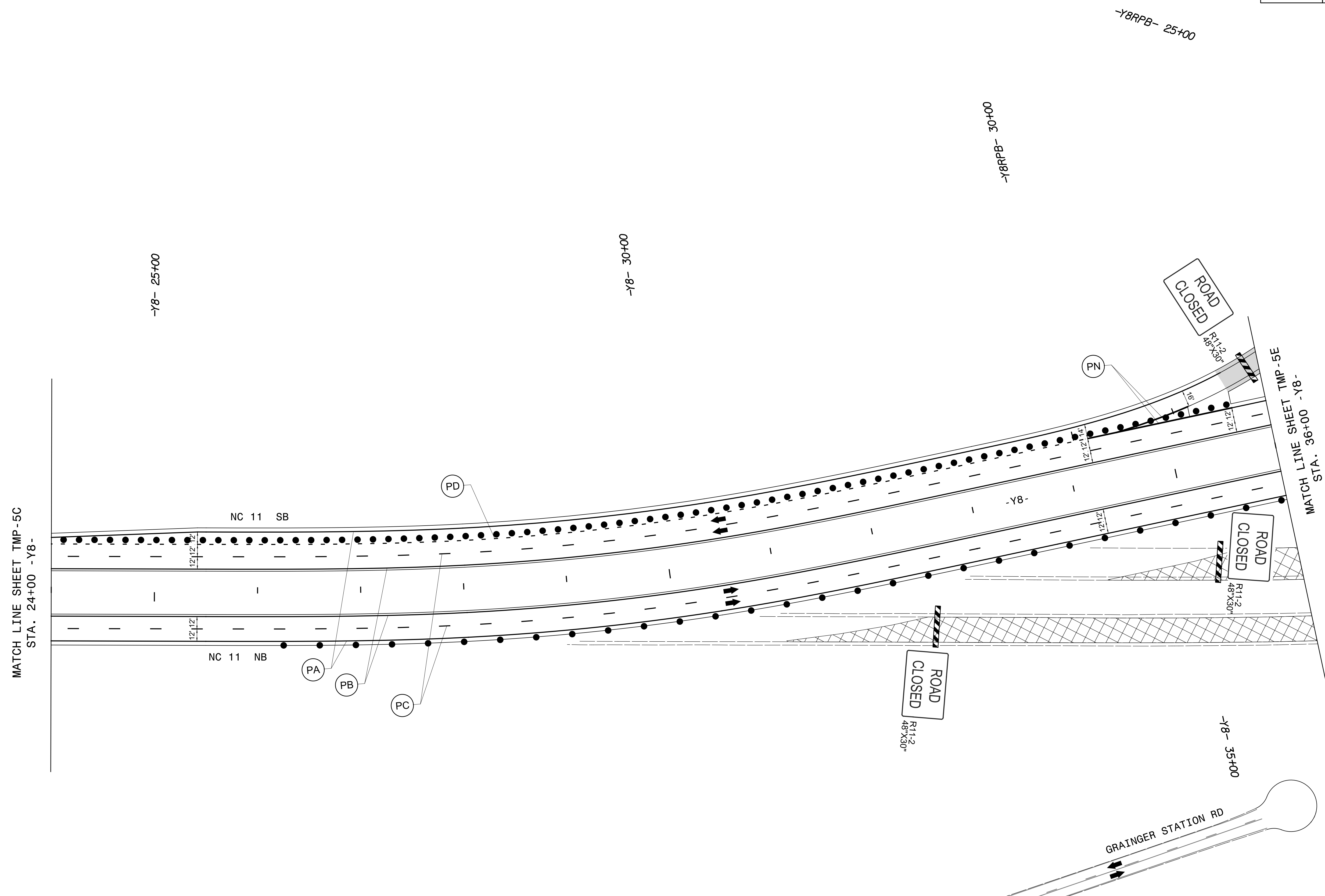
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 042065
 9/15/2017



PHASE II

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-5D



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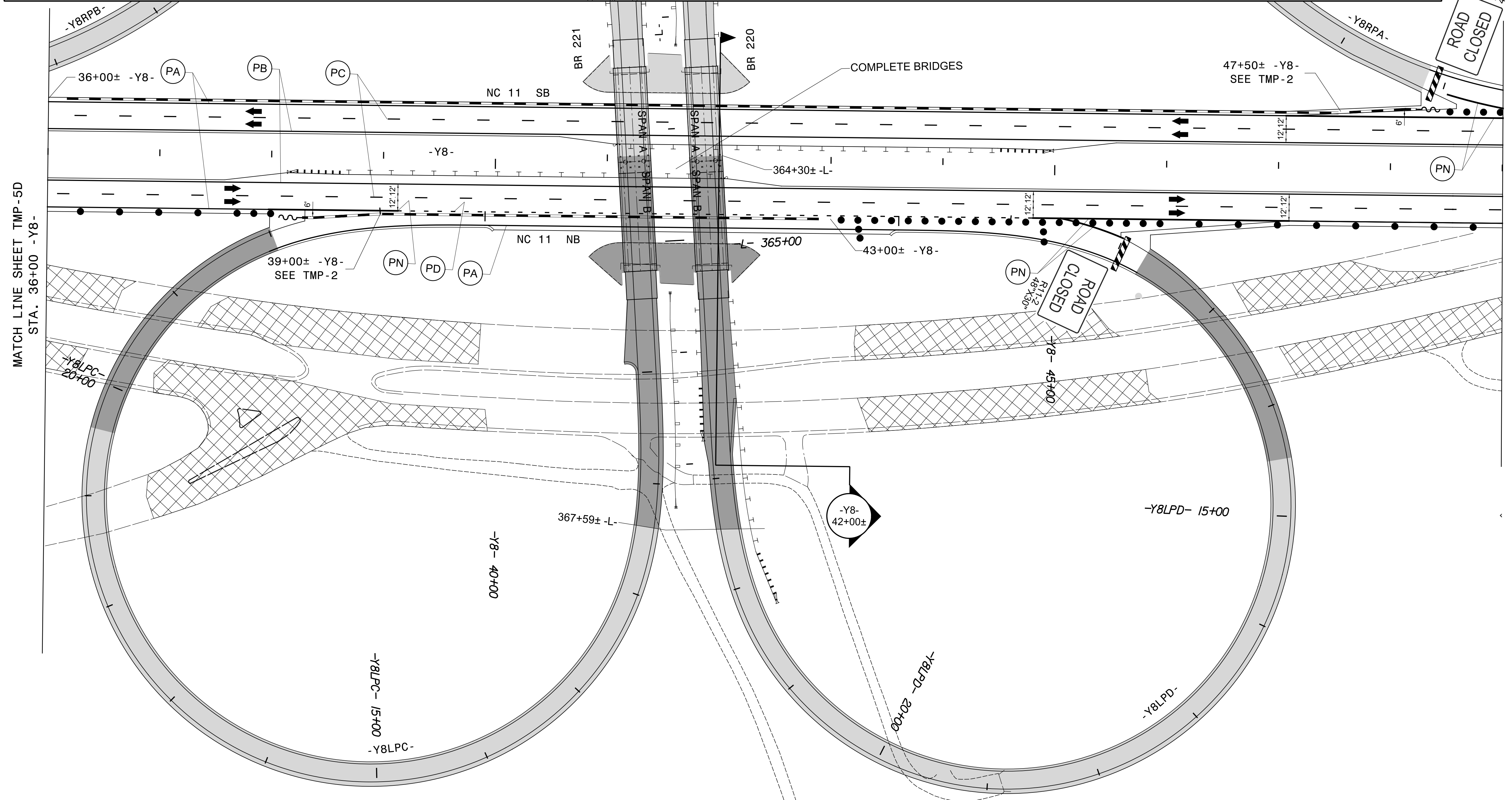
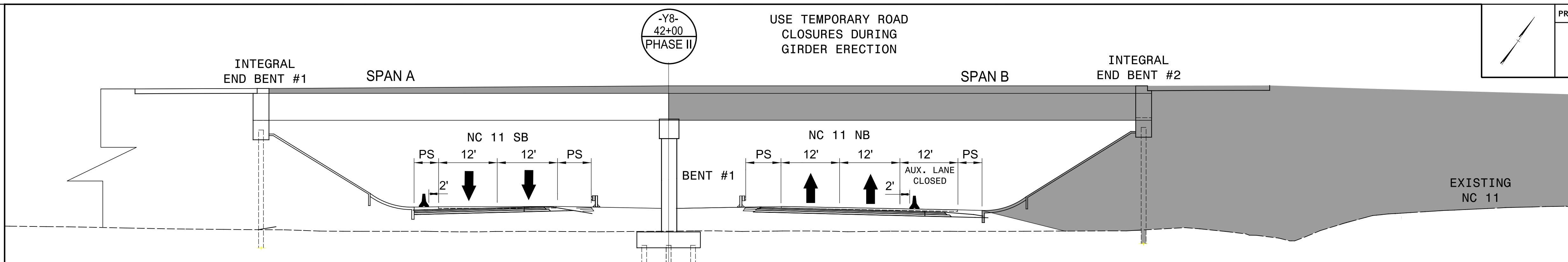
SEAL

DESIGNED BY: *George W. Karageorge*
 PROFESSIONAL SEAL
 042065
 ENGINEER
 GEORGE W. KARAGEORGE
 9/15/2017



PHASE II

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-5E



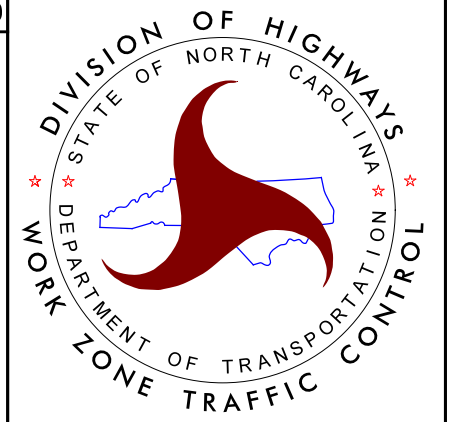
MATCH LINE SHEET TMP-5D
STA. 36+00 -Y8-

MATCH LINE SHEET TMP-5F
STA. 49+00 -Y8-

9/14/2017
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 bir-git.mackenzie

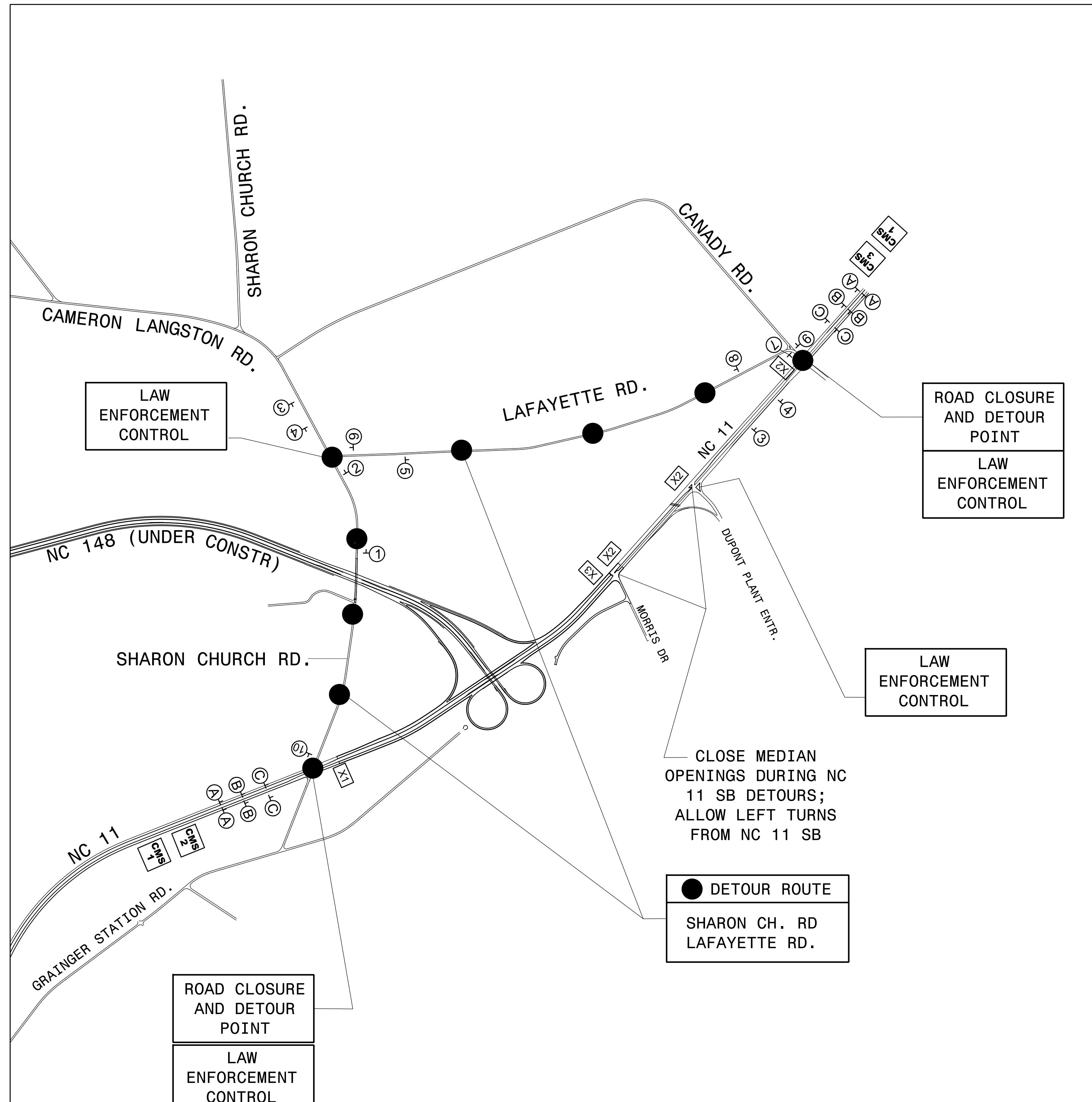
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PHASE II

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 5EDET



- NOTES:**
- 1) AS AN OPTION LANE CLOSURES MAY BE USED IN CONJUNCTION WITH THE ROAD CLOSURE SIGNS ON NC 11 TO REDUCE TRAFFIC TO ONE LANE IN APPROACH TO ROAD CLOSURE POINTS. REFER TO RDWY. STD. DWG. 1101.02 SHEET 4 OF 15.
 - 2) DO NOT IMPLEMENT THIS ROAD CLOSURE SIMULTANEOUSLY WITH ANY OTHER ROAD CLOSURES.

SIGN LEGEND

A ROAD CLOSED AHEAD (W20-3 48" X 48")

B DETOUR AHEAD (W20-2 48" X 48")

C ROAD CLOSED (W20-3 48" X 48")

1 DETOUR NORTH (M4-8 24"x12", M3-1 24"x12", M1-5 24"x24", M5-1R 21"x15")

2 DETOUR NORTH (M4-8 24"x12", M3-1 24"x12", M1-5 24"x24", M6-1 21"x15")

3 DETOUR NORTH (M4-8 24"x12", M3-1 24"x12", M1-5 24"x24", M5-1 21"x15")

4 DETOUR NORTH (M4-8 24"x12", M3-1 24"x12", M1-5 24"x24", M6-1L 21"x15")

5 DETOUR NORTH (M4-8 24"x12", M3-1 24"x12", M1-5 24"x24", M6-3 21"x15")

6 DETOUR SOUTH (M4-8 24"x12", M3-1 24"x12", M1-5 24"x24", M6-2L 21"x15")

7 END DETOUR NORTH (M4-8a 24"x18", M3-1 24"x12", M1-5 24"x24")

8 DETOUR SOUTH (M4-8 24"x12", M3-3 24"x12", M1-5 24"x24", M6-3 21"x15")

9 DETOUR SOUTH (M4-8 24"x12", M3-3 24"x12", M1-5 24"x24", M6-1L 21"x15")

10 END DETOUR SOUTH (M4-8a 24"x18", M3-3 24"x12", M1-5 24"x24")

X1

ROAD CLOSED

DETOUR

TYPE III BARRICADE

M4-10L (48" x 18") TYPE III BARRICADE

X2

ROAD CLOSED

DETOUR

TYPE III BARRICADE

M4-10L (48" x 18") TYPE III BARRICADE

X3

ROAD CLOSED

TYPE III BARRICADE

R11-2 (48"x30")

CMS MESSAGES DURING ROAD CLOSURE

CMS 1 CHANGEABLE MESSAGE SIGN

ROAD CLOSED AHEAD	PREPARE TO STOP
-------------------	-----------------

CMS 2 CHANGEABLE MESSAGE SIGN

ROAD CLOSED AHEAD	DETOUR NEXT LEFT
-------------------	------------------

CMS 3 CHANGEABLE MESSAGE SIGN

ROAD CLOSED AHEAD	DETOUR NEXT RIGHT
-------------------	-------------------

CMS MESSAGES PRIOR TO ROAD CLOSURE

CHANGEABLE MESSAGE SIGN

NC 11 CLOSING	MM/DD TO MM/DD
---------------	----------------

DETOUR ALLOWED ONLY FOR OVERHEAD BRIDGE GIRDER ERECTION. REFER TO PROJECT SPECIAL PROVISIONS - INTERMEDIATE CONTRACT TIMES.

9/14/2017 R:\Traffic\TrafficControl\TMP PLAN SHEETS\NR-5703 TMP 05EDET DETOUR ROUTE Y8 NC 11.dgn bir-git.mackenzie

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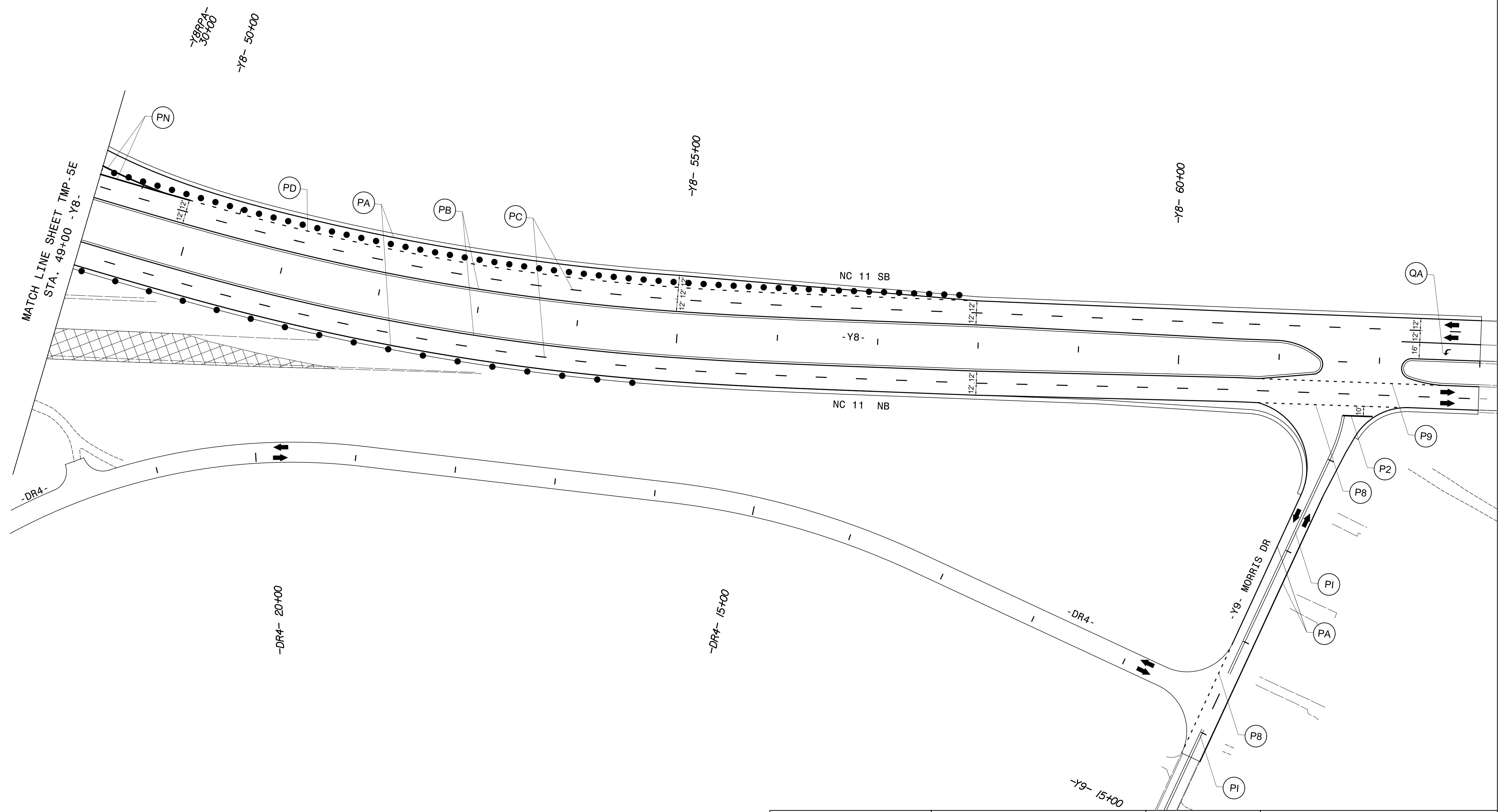
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PROFESSIONAL ENGINEER
GEOFFREY W. KARAGIANNIS
042065
9/15/2017

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
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NC 11. -Y8- ROAD CLOSURE AND DETOUR FOR GIRDER INSTALLATION

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-5F

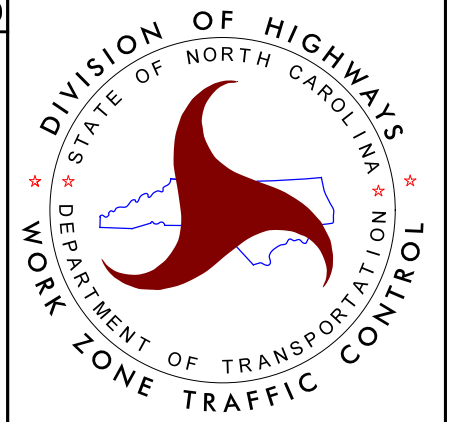


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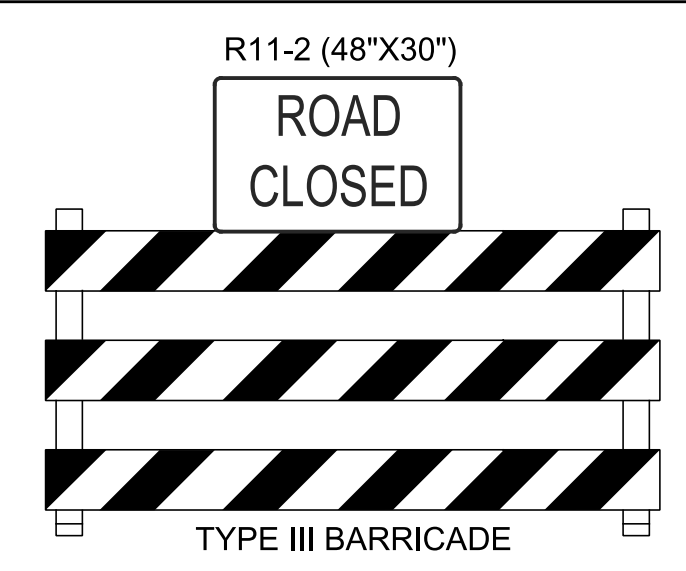
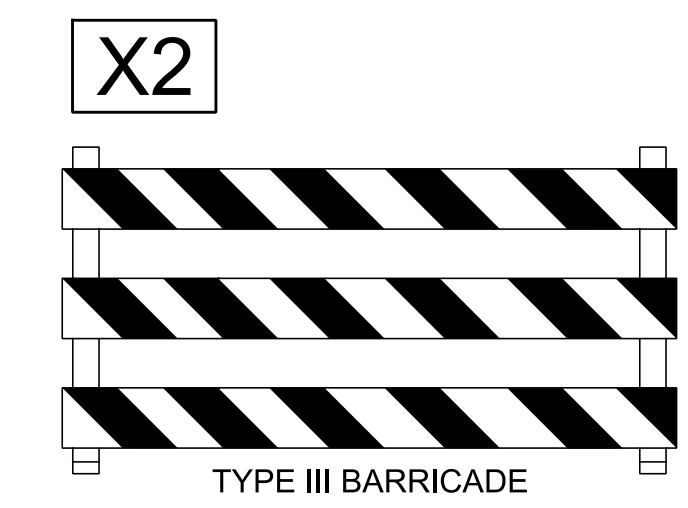
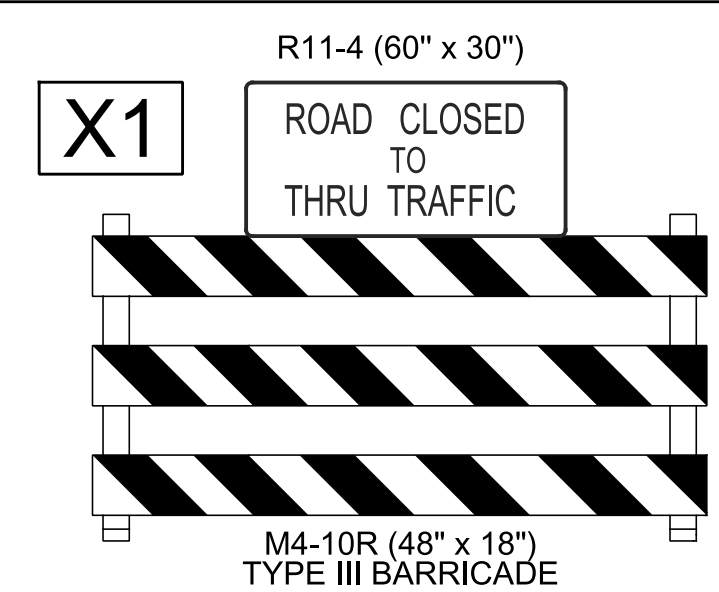
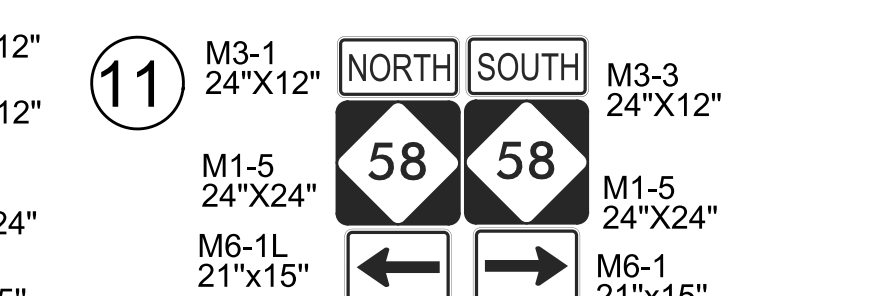
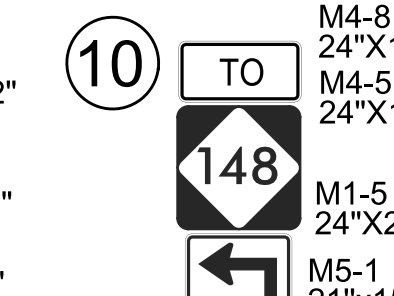
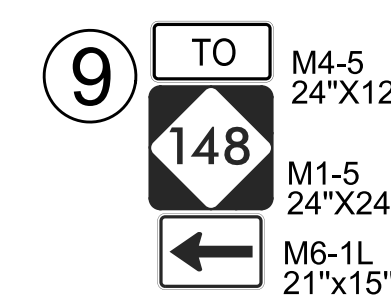
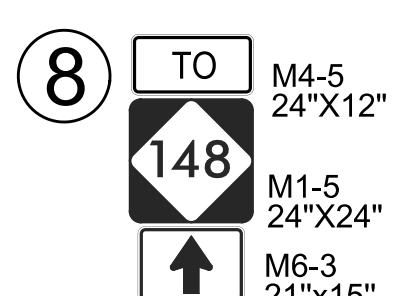
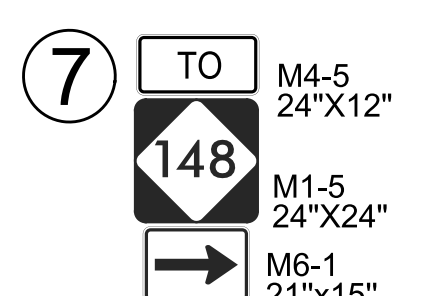
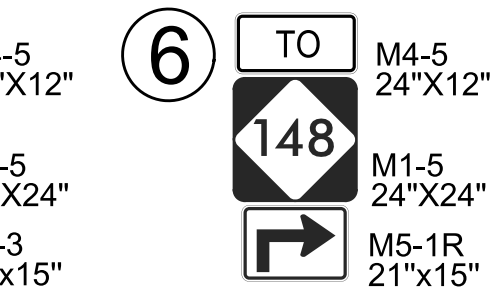
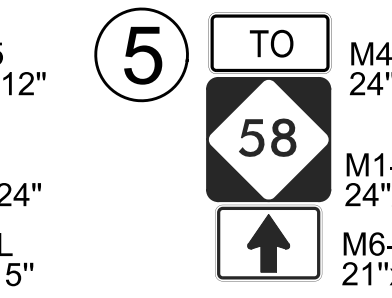
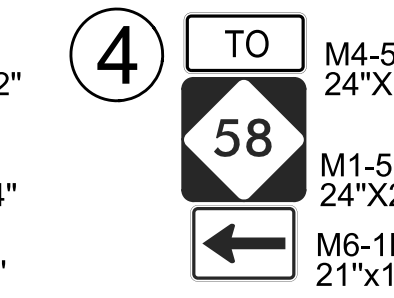
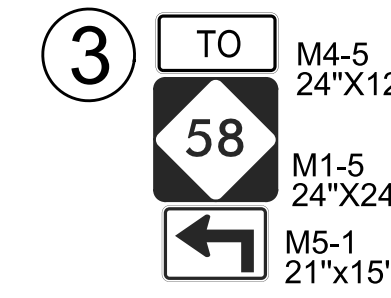
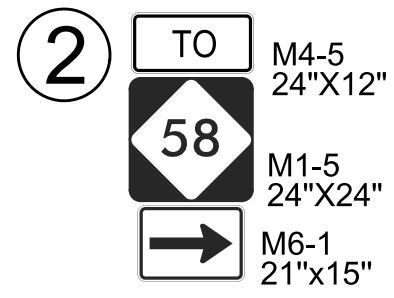
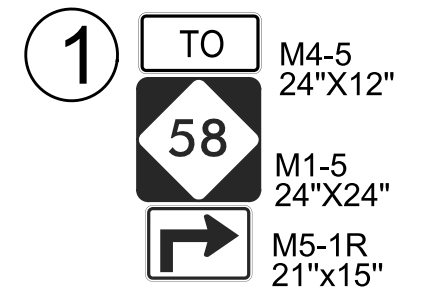
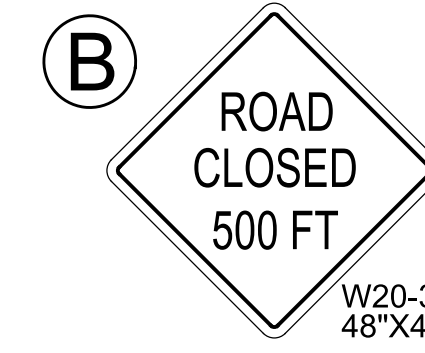
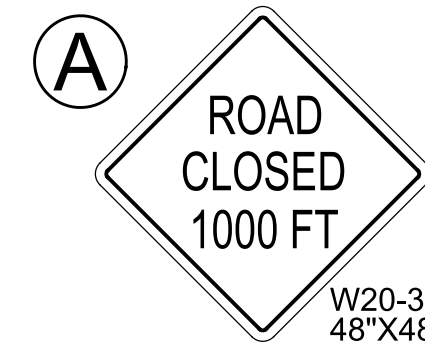
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 SEAL
 042065
 9/15/2017
 ENGINEER
 GEORGE W. KARAGEORGE



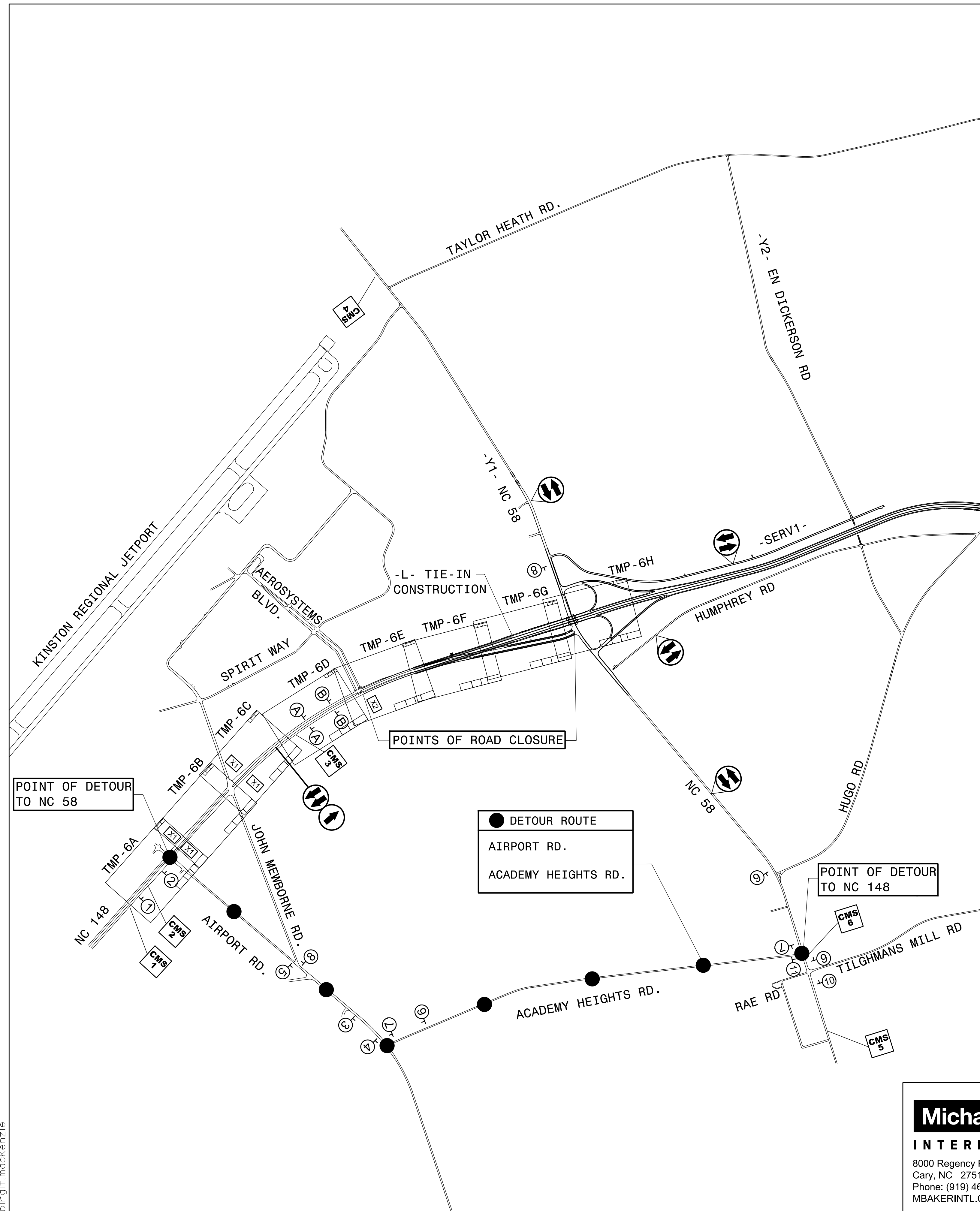
PHASE II

PROJ. REFERENCE NO.	SHEET NO.
R - 5703	TMP - 6

SIGN LEGEND



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CMS MESSAGES DURING ROAD CLOSURE

CMS 1 CHANGEABLE MESSAGE SIGN

ROAD CLOSED AHEAD	TO NC 58 NEXT RIGHT
-------------------	---------------------

CMS 2 CHANGEABLE MESSAGE SIGN

AIRPORT KEEP STRAIGHT	AIRPORT KEEP STRAIGHT
-----------------------	-----------------------

CMS 3 CHANGEABLE MESSAGE SIGN

ROAD CLOSED AHEAD	ALL TRAFFIC <-----
-------------------	--------------------

CMS 4 CHANGEABLE MESSAGE SIGN

AIRPORT NEXT RIGHT	AIRPORT NEXT RIGHT
--------------------	--------------------

CMS 5 CHANGEABLE MESSAGE SIGN

NC 148 CLOSED AHEAD	AIRPORT SECOND LEFT
---------------------	---------------------

CMS 6 CHANGEABLE MESSAGE SIGN

AIRPORT NC 148 <<<<<<<	AIRPORT TURN LEFT
------------------------	-------------------

CMS MESSAGES PRIOR TO ROAD CLOSURE

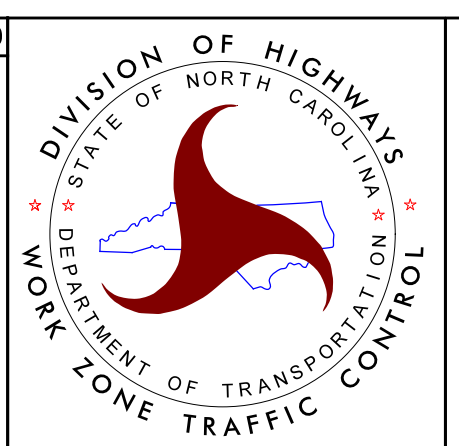
CHANGEABLE MESSAGE SIGN

NC 148 CLOSING	MM/DD TO MM/DD
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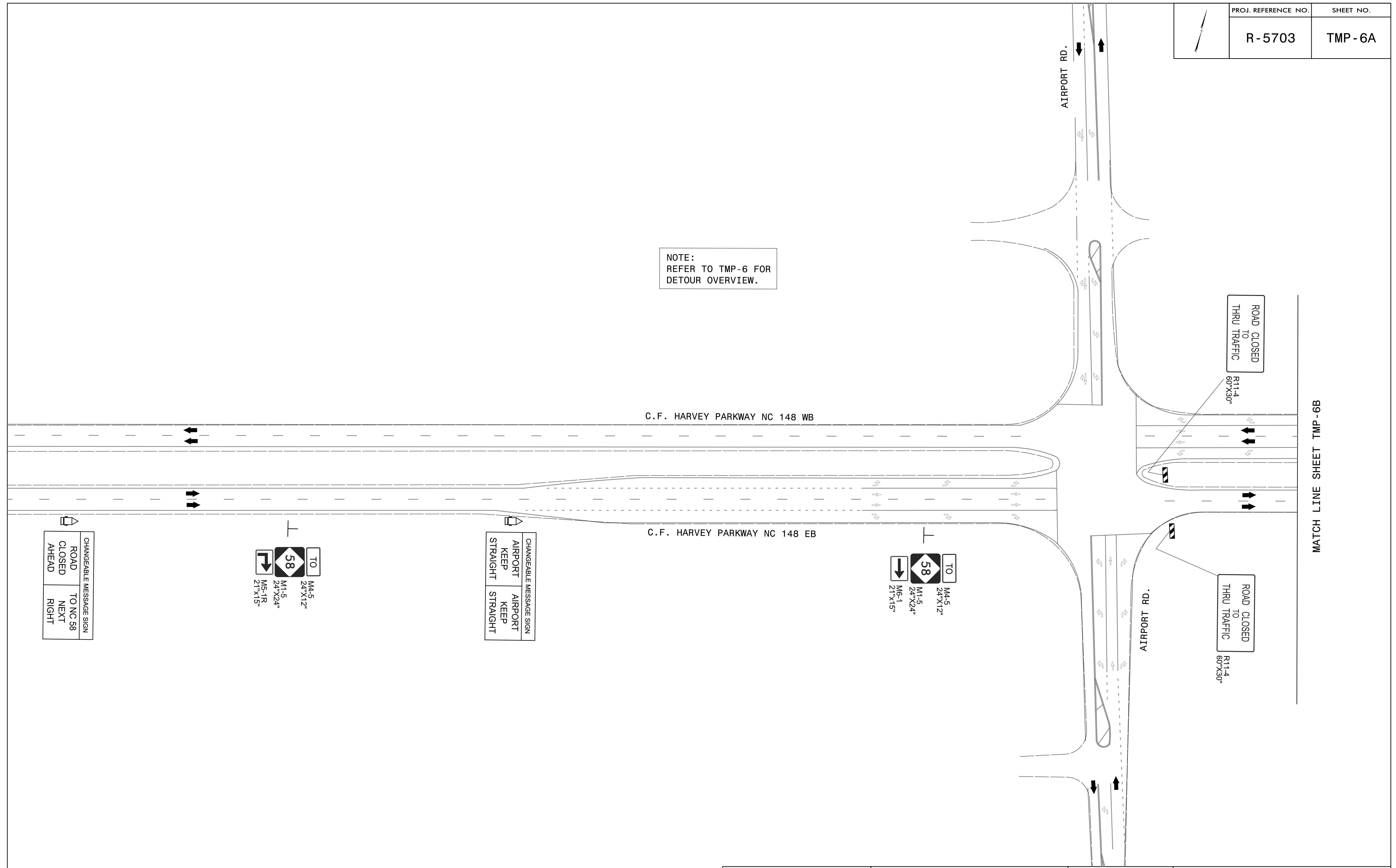
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PHASE III STEPS 1 & 2
 OVERVIEW AND
 NC 148 / NC 58 DETOUR

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-6A



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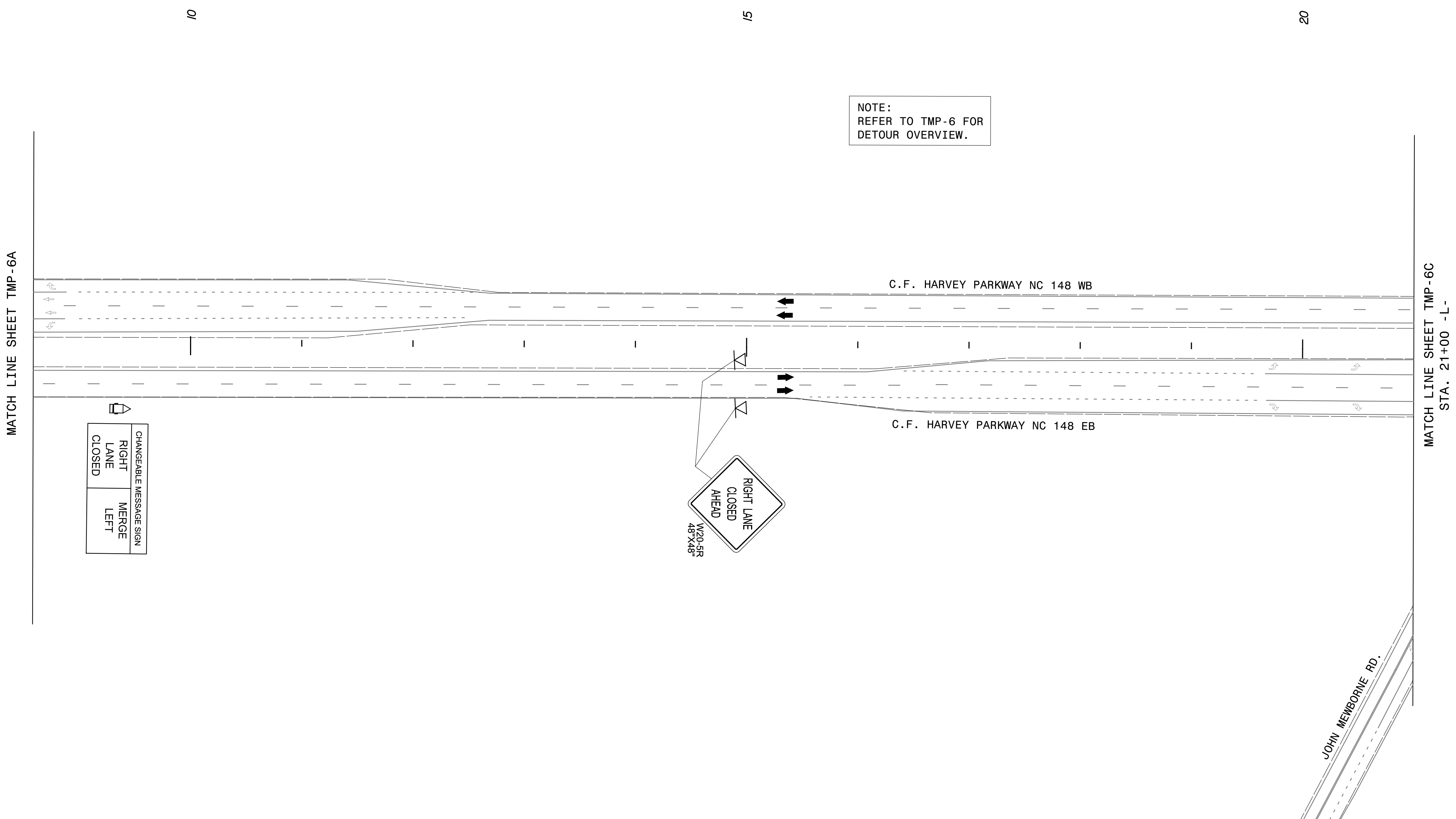
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ENGINEER
GEORGE W. KARAGEORGE

9/15/2017

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
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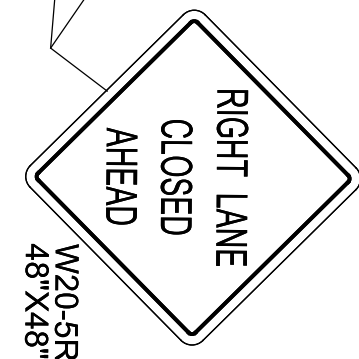
PHASE III
STEPS 1 & 2

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-6B



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CHANGEABLE MESSAGE SIGN
RIGHT LANE CLOSED
MERGE LEFT

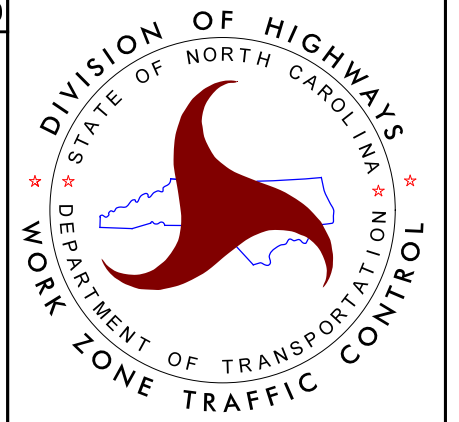


NOTE:
 REFER TO TMP-6 FOR
 DETOUR OVERVIEW.

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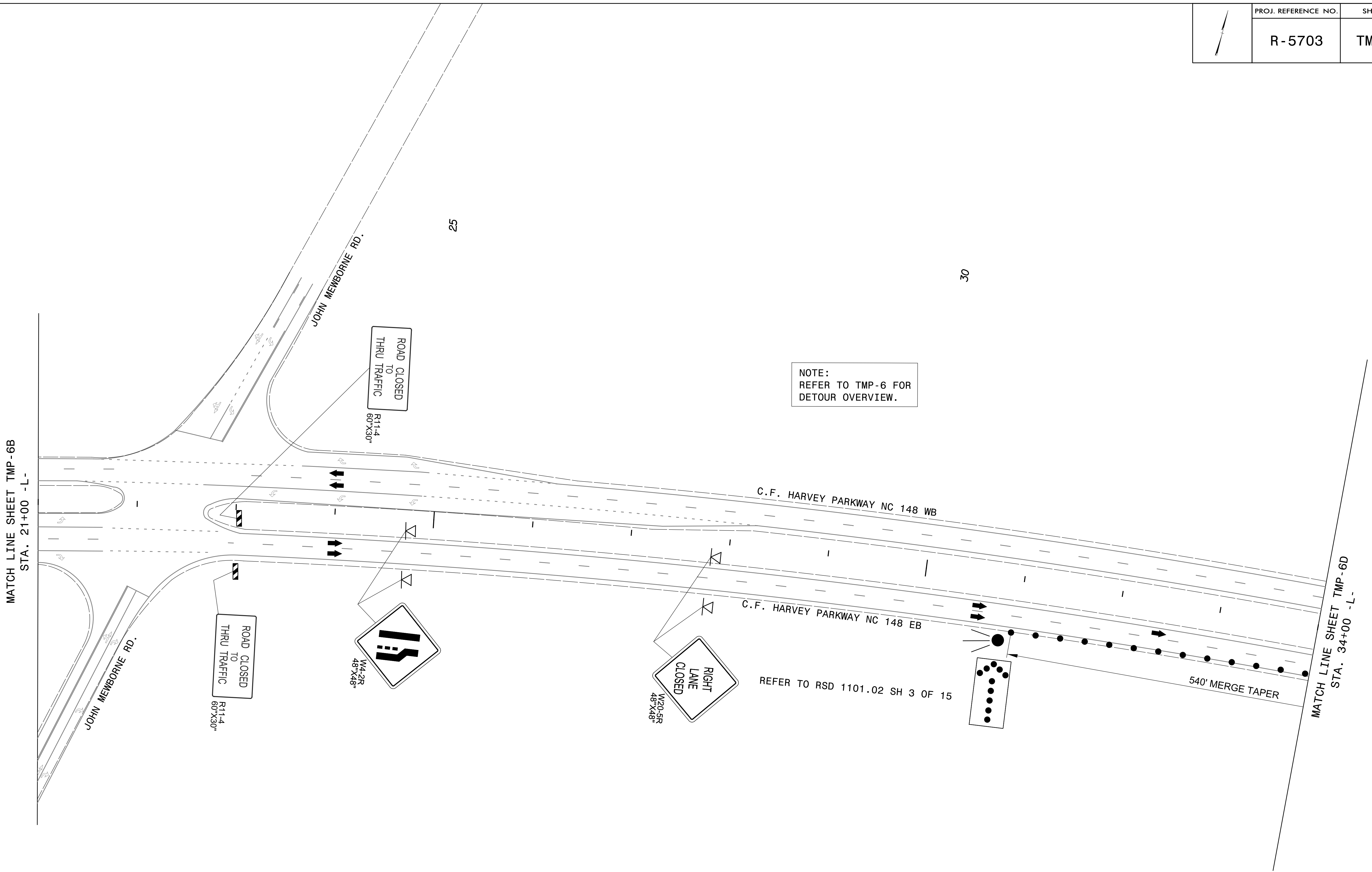
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PHASE III
 STEPS 1 & 2

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-6C



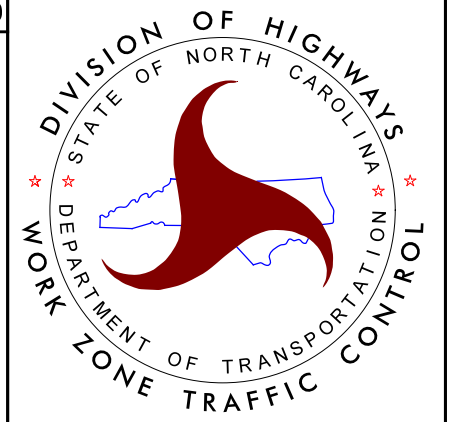
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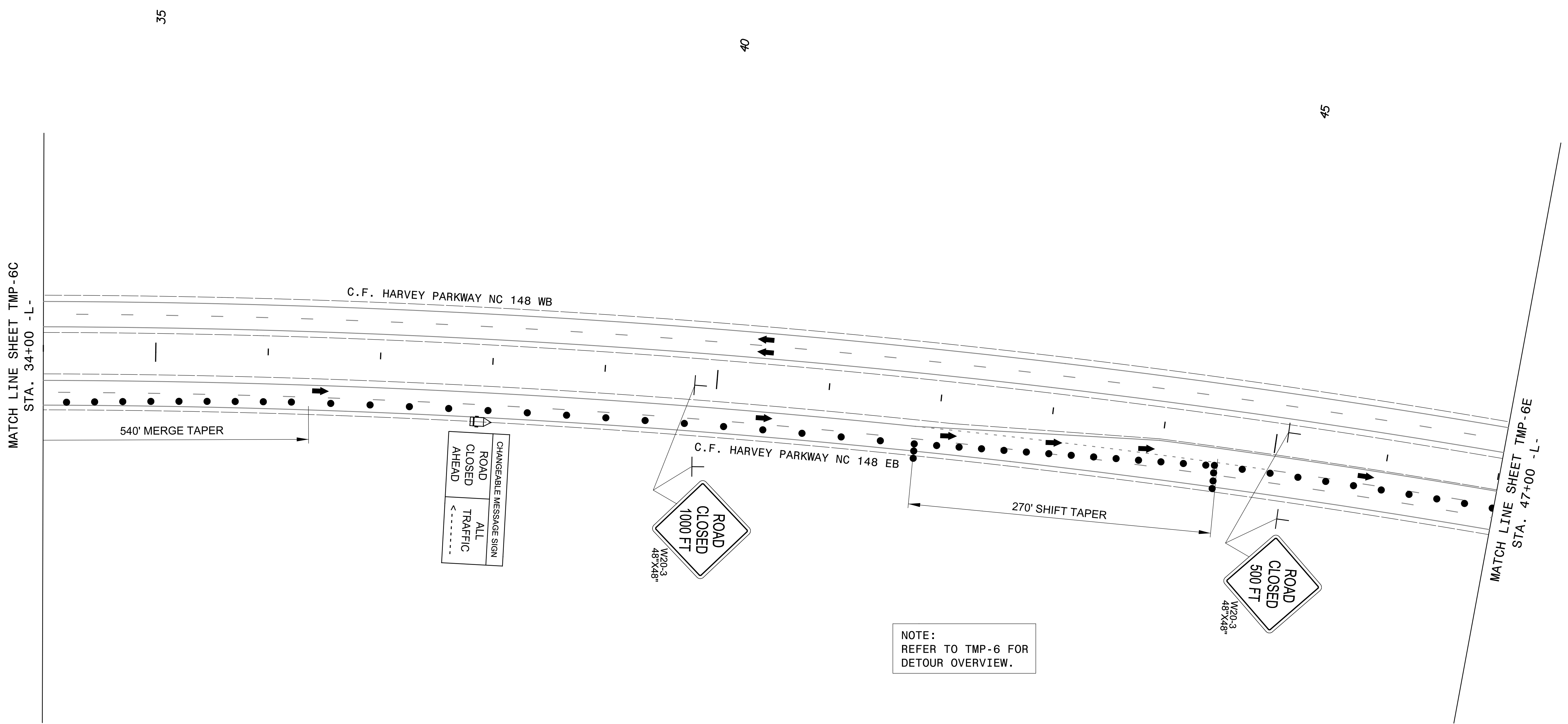
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 GEORGE W. KARAGEORGE
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PHASE III
 STEPS 1 & 2

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-6D



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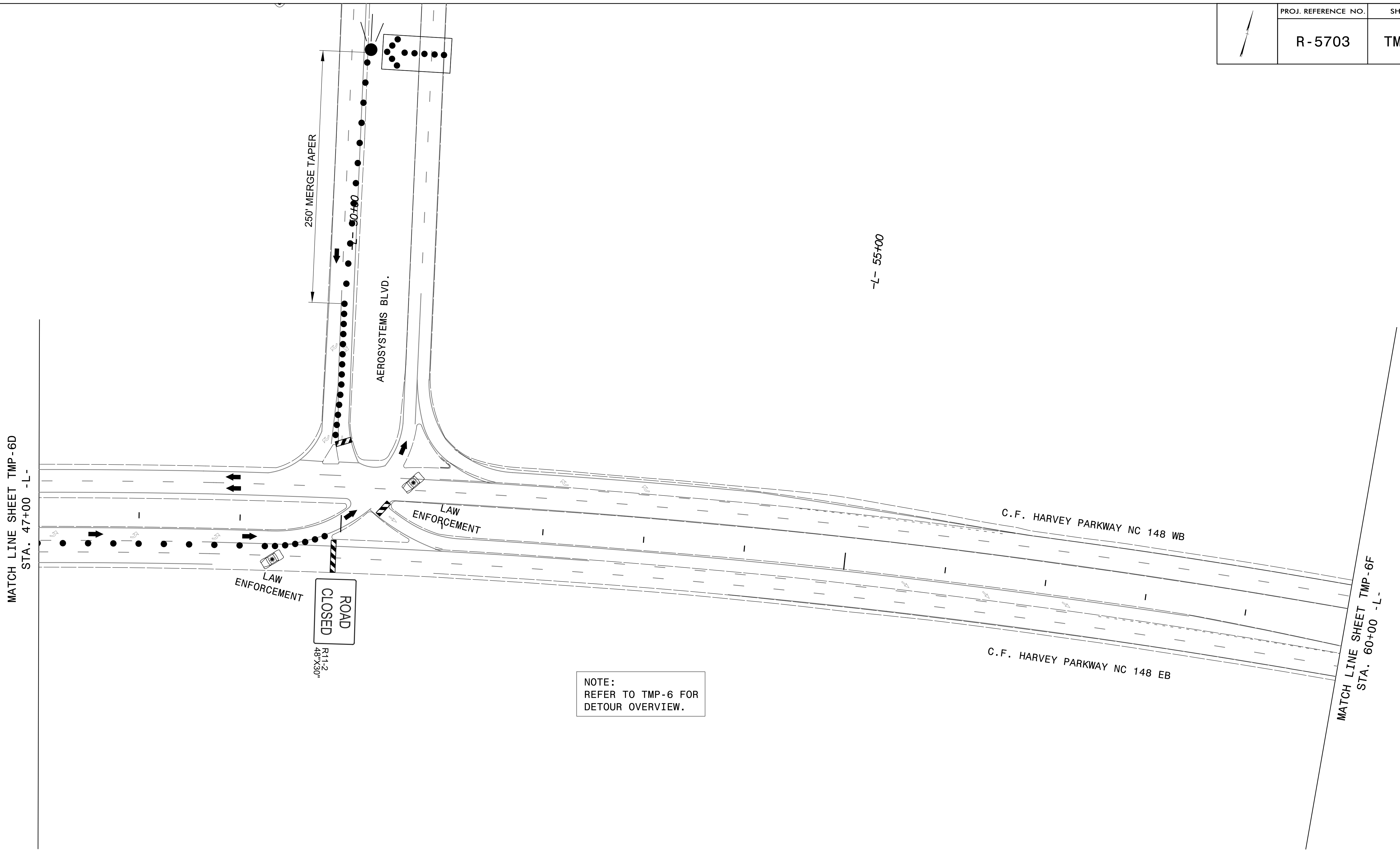
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 ENGINEER
 GEORGE W. KARAGEORGE



PHASE III
 STEPS 1 & 2

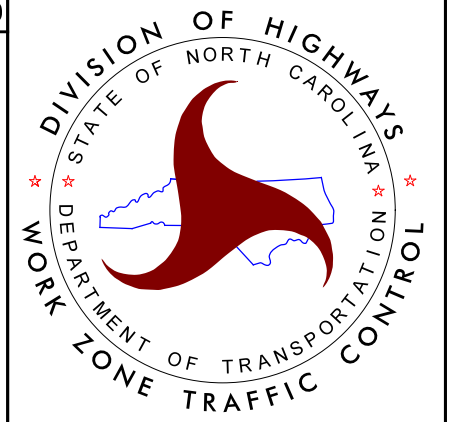
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R-5703	TMP-6E




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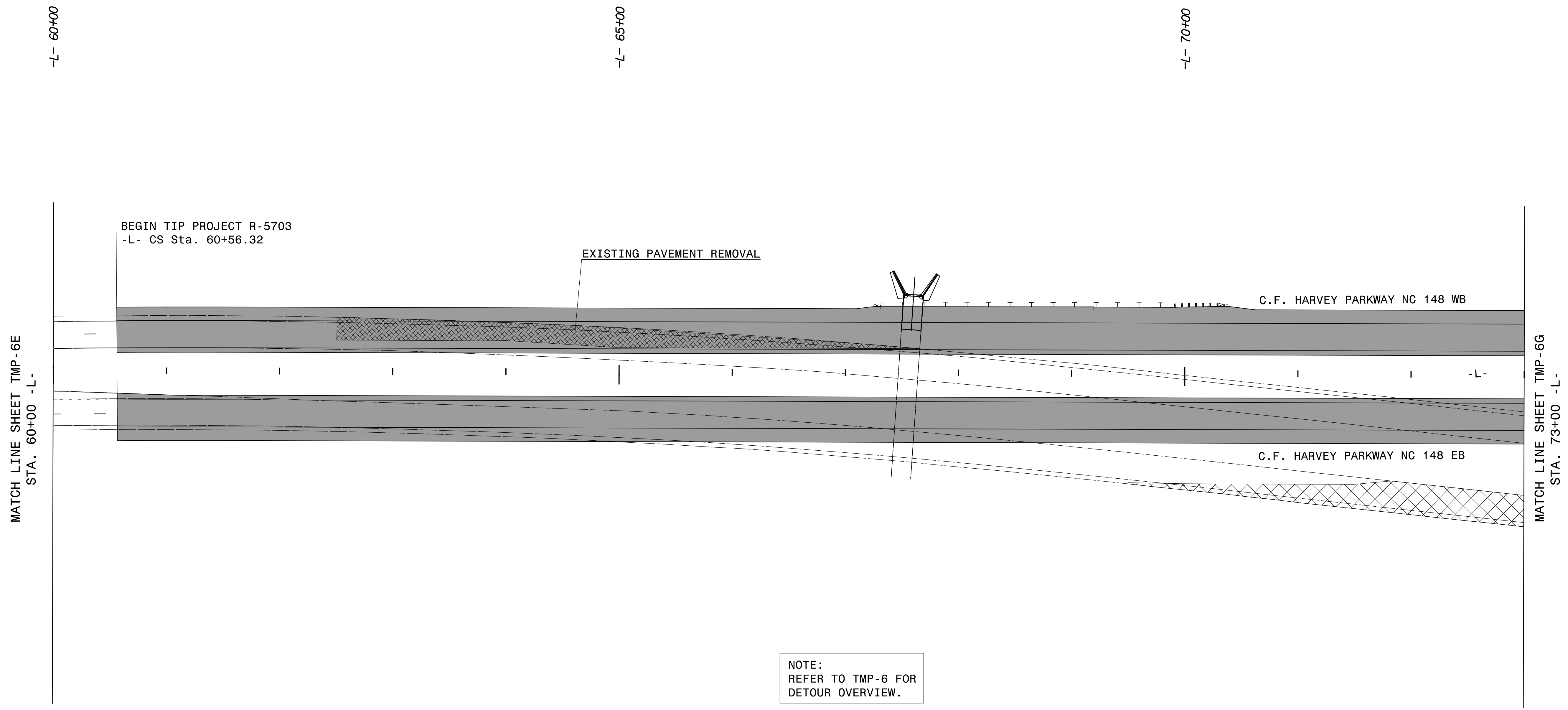
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PHASE III
 STEPS 1 & 2

	PROJ. REFERENCE NO.	SHEET NO.
	R-5703	TMP-6F



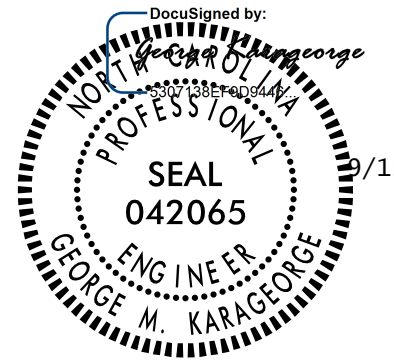
NOTE:
REFER TO TMP-6 FOR
DETOUR OVERVIEW.

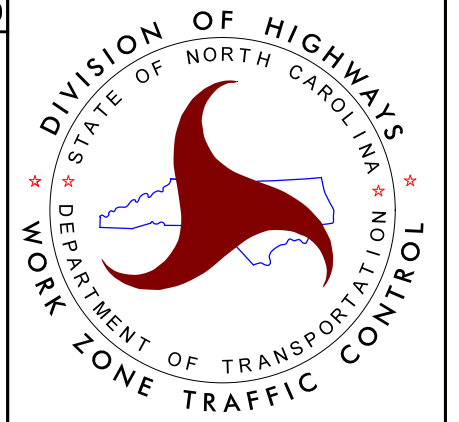
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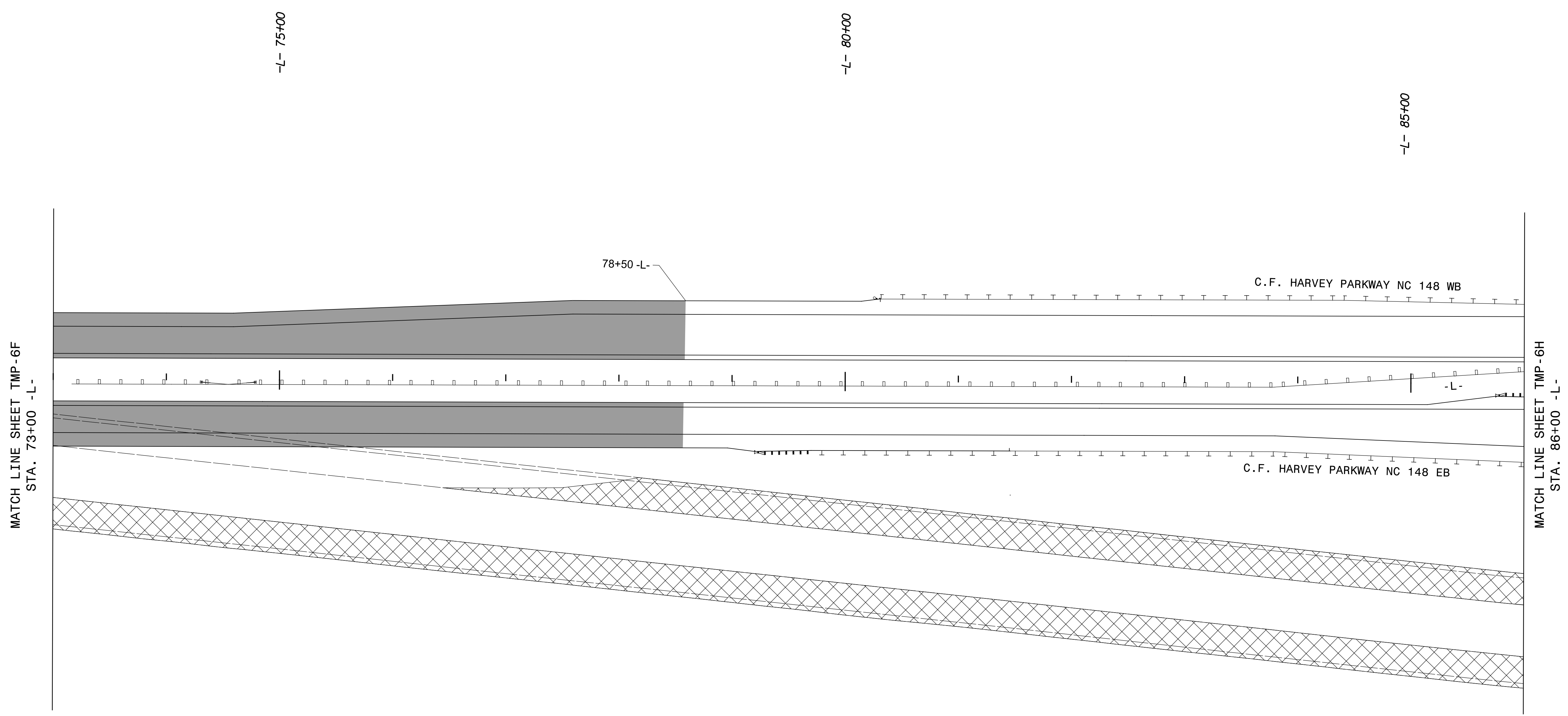
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PHASE III
STEPS 1 & 2

	PROJ. REFERENCE NO.	SHEET NO.
	R - 5703	TMP - 6G

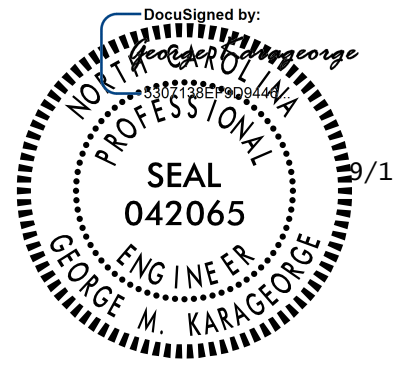
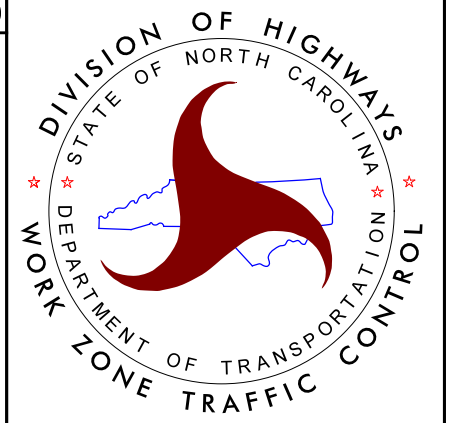


MATCH LINE SHEET TMP-6F
STA. 73+00 -L-

MATCH LINE SHEET TMP-6H
STA. 86+00 -L-

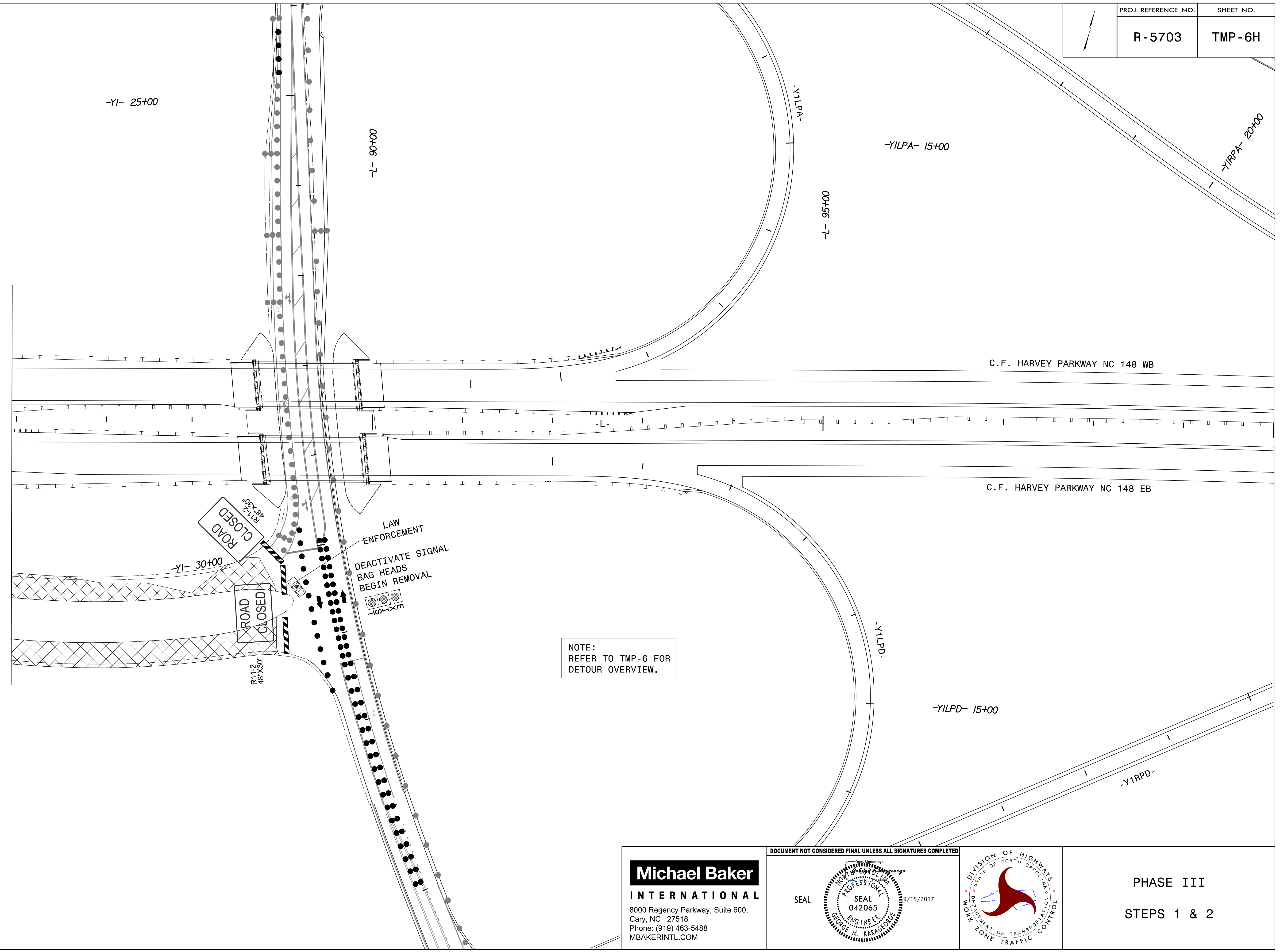
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PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-6H

MATCH LINE SHEET TMP-6G
STA. 86+00 -L-



NOTE:
REFER TO TMP-6 FOR
DETOUR OVERVIEW.

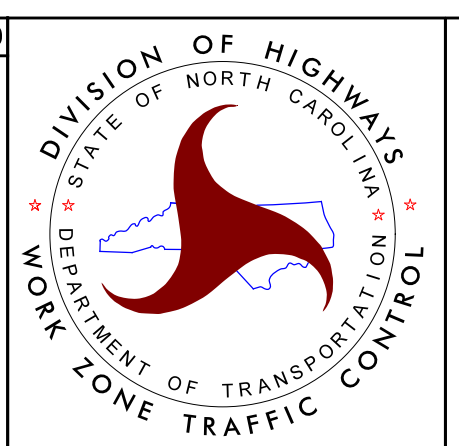
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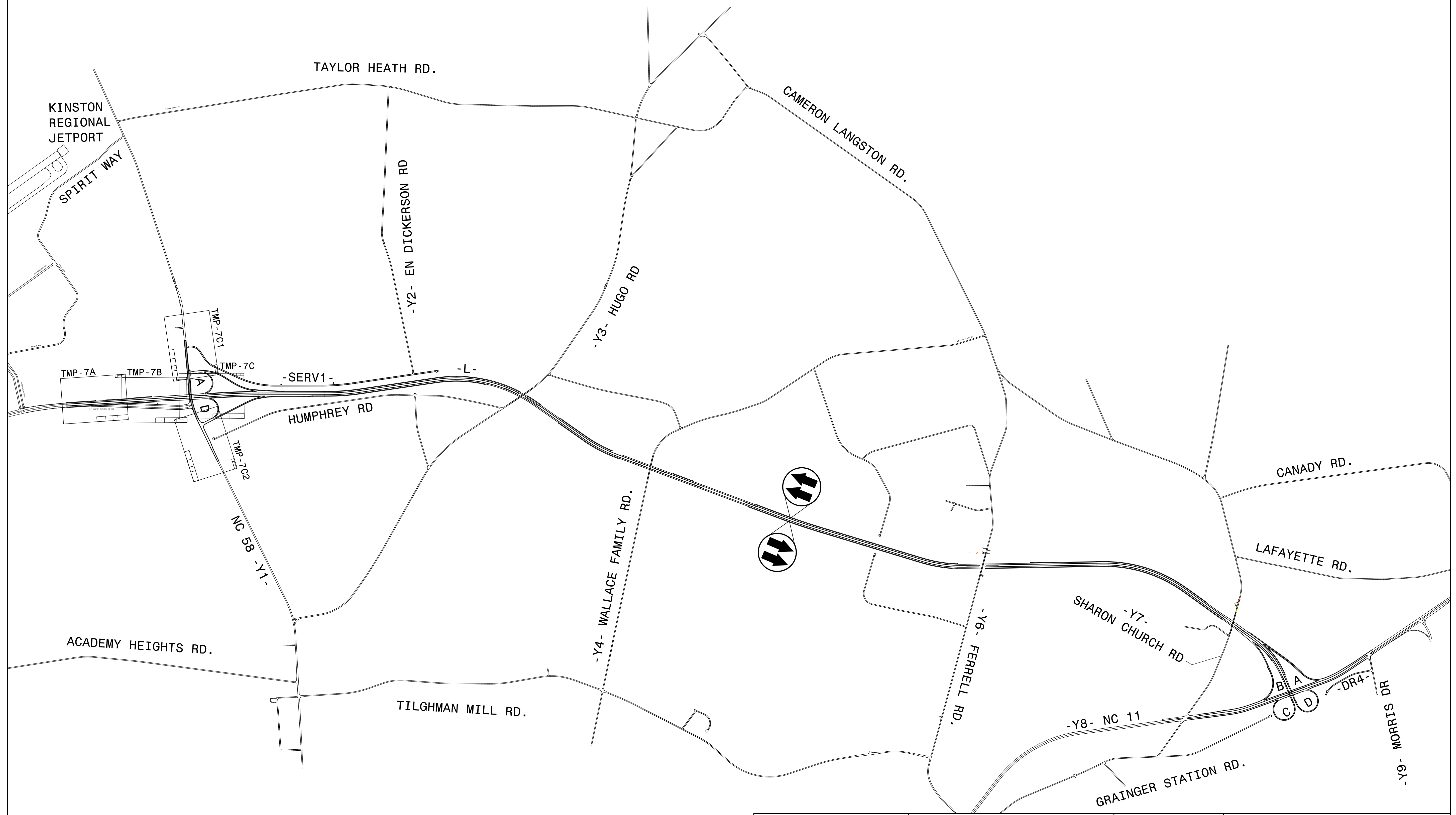
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ENGINEER
GEOGE W. KARAGORGE
9/15/2017



PHASE III
STEPS 1 & 2

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-7



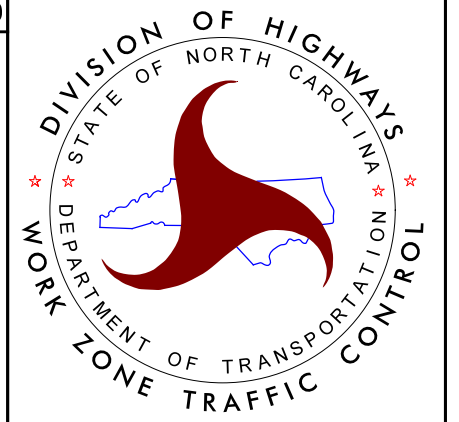
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PHASE III
 STEP 3
 OVERVIEW

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-7A

-L- 60+00

-L- 65+00

-L- 70+00

BEGIN TIP PROJECT R-5703
-L- CS Sta. 60+56.32

C.F. HARVEY PARKWAY NC 148 WB

C.F. HARVEY PARKWAY NC 148 EB

MATCH LINE SHEET TMP-7B
STA. 73+00 -L-

NOTE:
APPLY PAINT MARKINGS IN SAME PATTERN
AS FINAL, REFER TO PROPOSED
PAVEMENT MARKING PLAN.

ROAD
CLOSED
R11-2
48"X30"

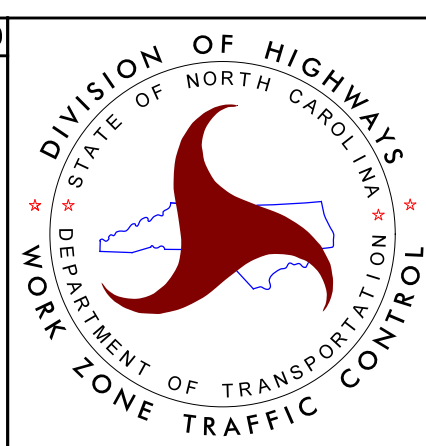
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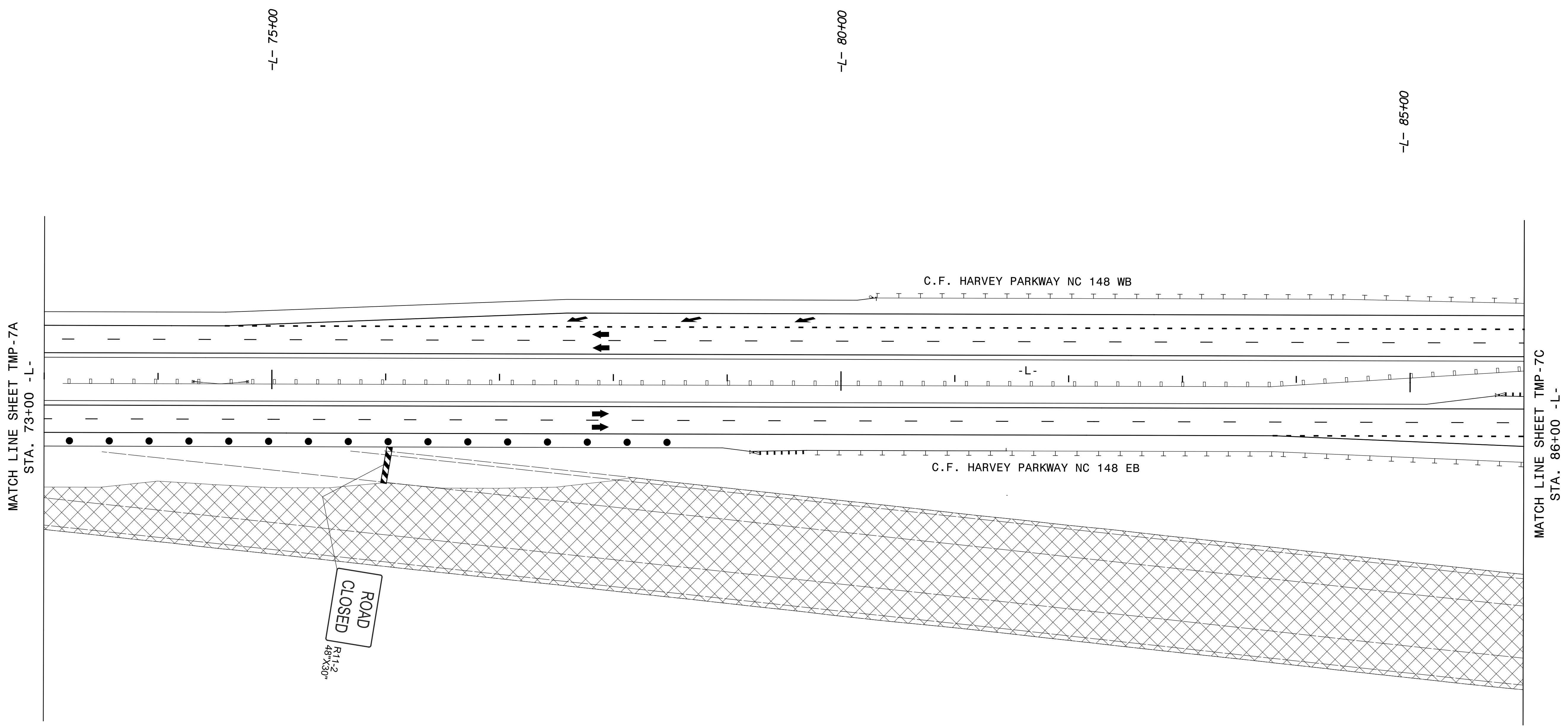
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042065
9/15/2017



PHASE III
STEP 3

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-7B



NOTE:
 APPLY PAINT MARKINGS IN SAME PATTERN
 AS FINAL, REFER TO PROPOSED
 PAVEMENT MARKING PLAN.

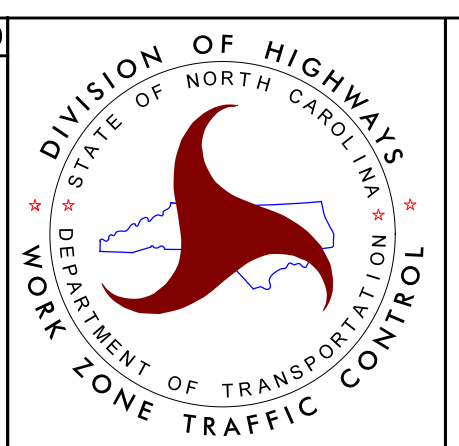
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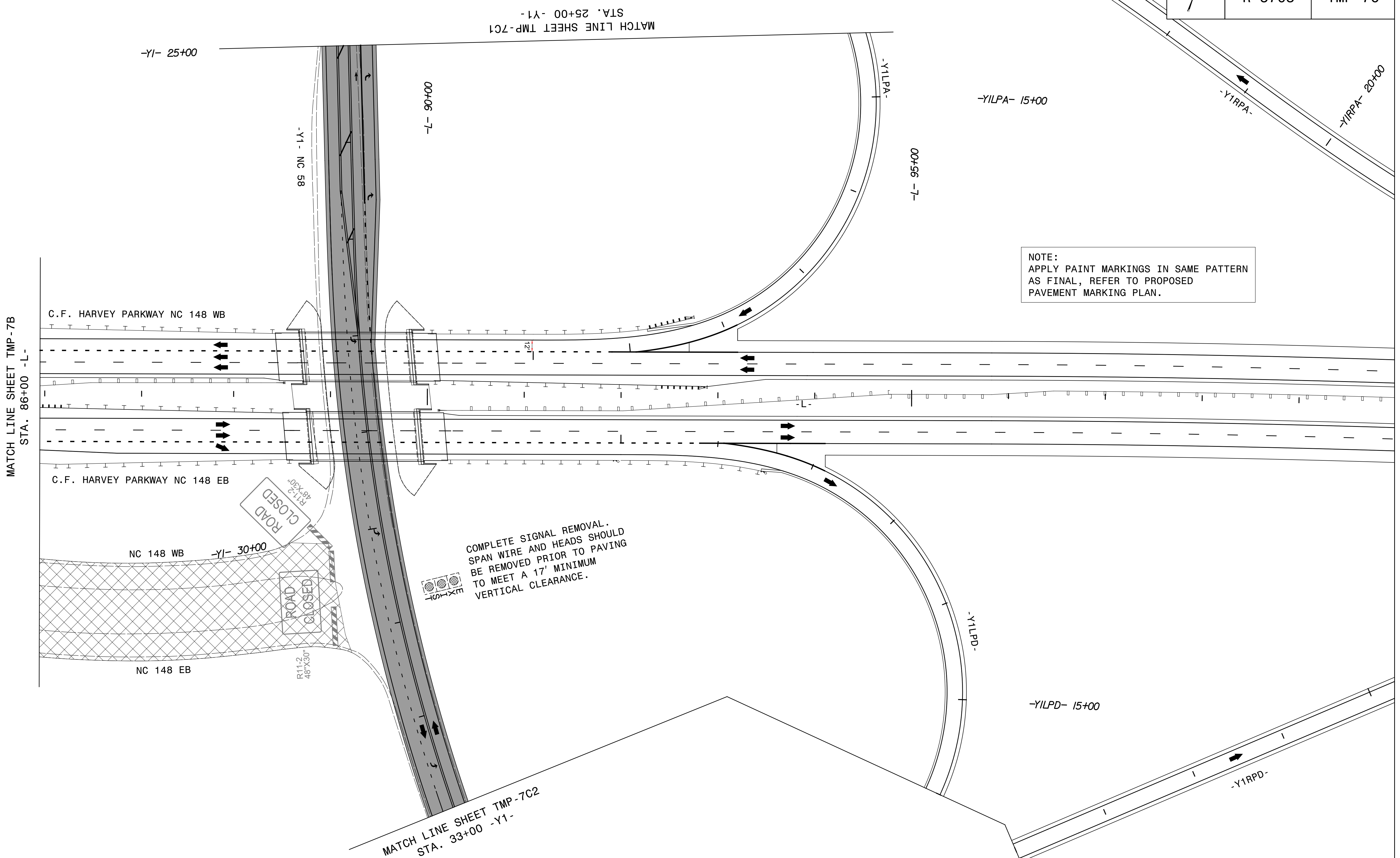
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PHASE III
 STEP 3

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-7C

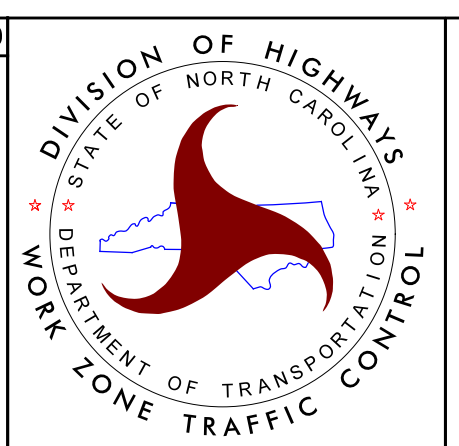


9/14/2017
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 birgit.mackenzie

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DocuSigned by:
 GORGE W. KARAGEORGE
 PROFESSIONAL ENGINEER
 SEAL 042065
 9/15/2017



PHASE III
STEP 3

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-7C1

NOTE:
 APPLY PAINT MARKINGS IN SAME PATTERN
 AS FINAL, REFER TO PROPOSED
 PAVEMENT MARKING PLAN.

BEGIN CONSTRUCTION
 -Y1- POT Sta. 15+50

-Y1- 15+00

-SERV1 -

-Y1- 20+00

-Y1LPA- 20+00

-Y1RPA- 30+00

-Y1RPA-

-Y1LPA-

-Y1- NC 58

MATCH LINE SHEET TMP-7C
 STA. 25+00 -Y1-

9/14/2017
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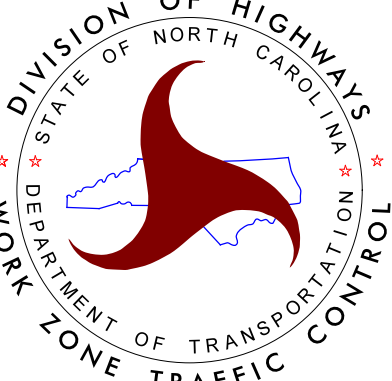
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SEAL

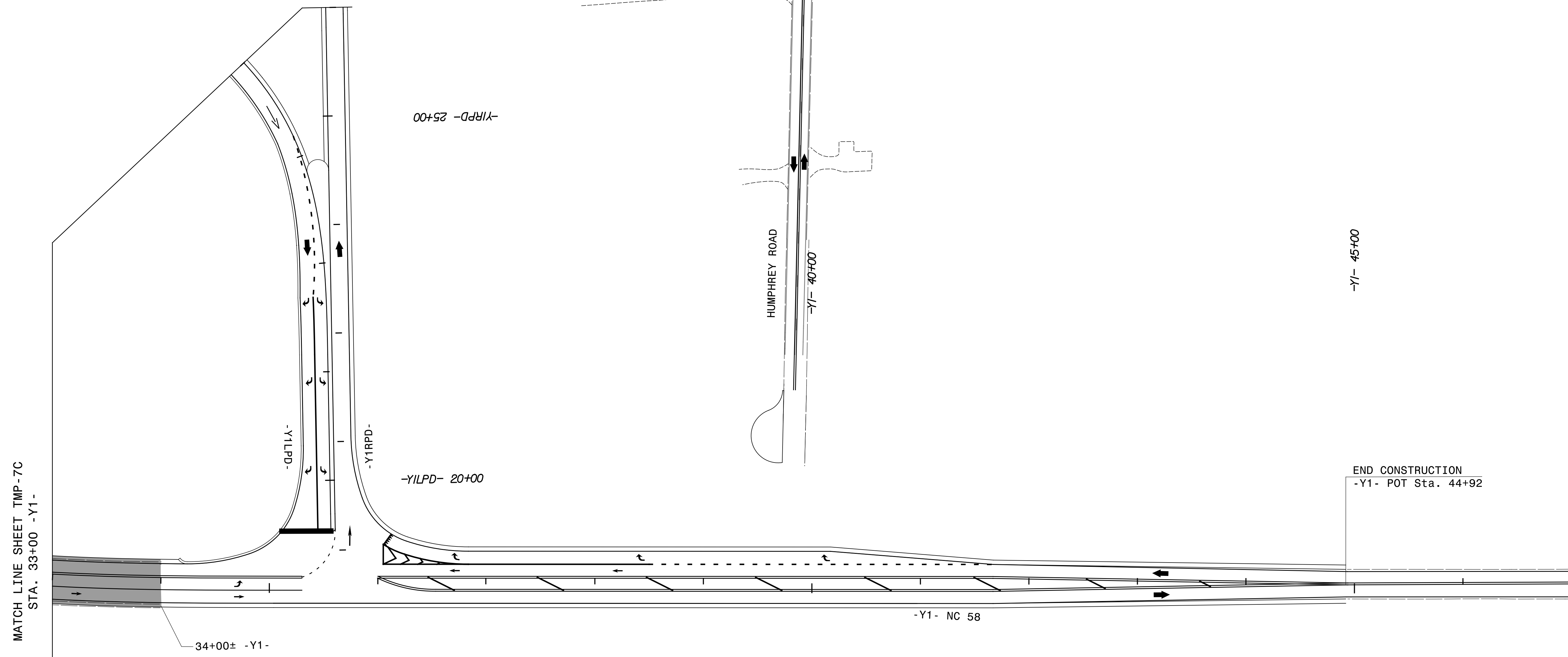
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 042065
 ENGINEER
 GEORGE W. KARAGEORGE
 9/15/2017

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



PHASE III
 STEP 3

PROJ. REFERENCE NO.	SHEET NO.
R-5703	TMP-7C2



NOTE:
 APPLY PAINT MARKINGS IN SAME PATTERN
 AS FINAL, REFER TO PROPOSED
 PAVEMENT MARKING PLAN.

9/14/2017
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