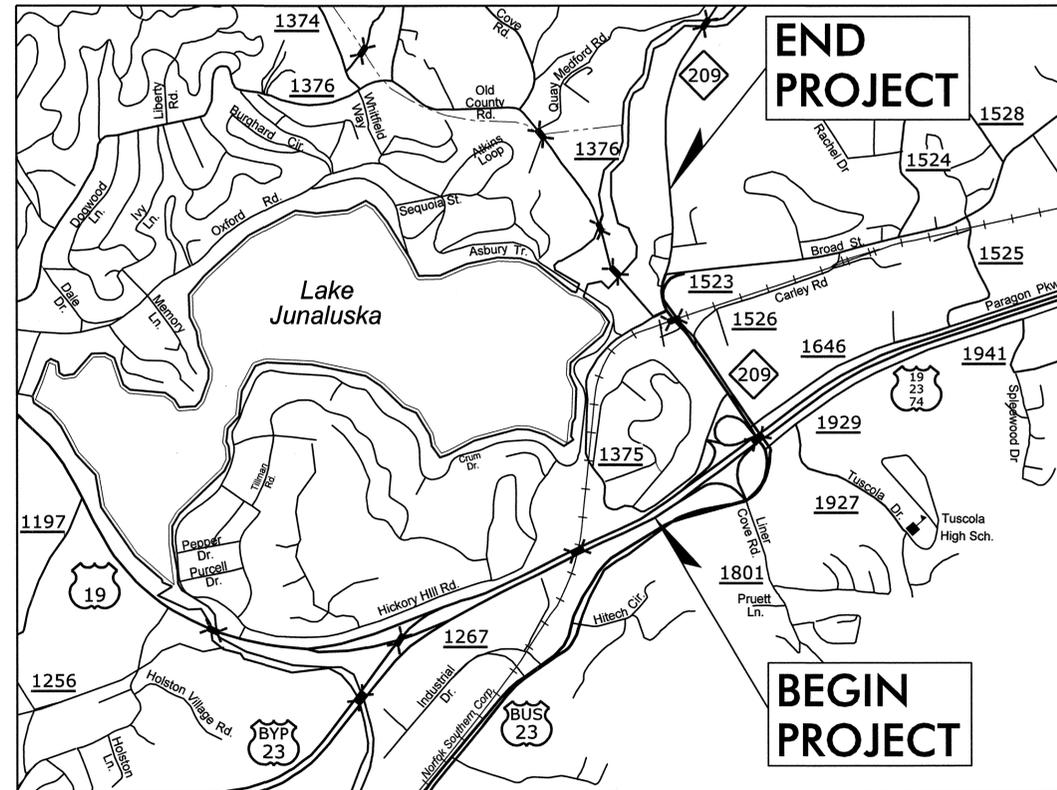


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN
HAYWOOD COUNTY



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PLAN PREPARED BY:

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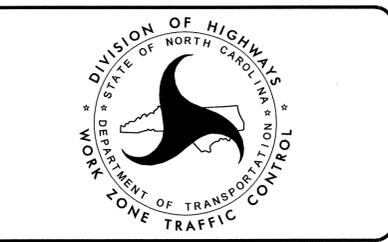
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APPROVED: *R. Eli Brooks*
DATE: 12/17/2013

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SHEET NO. TMP-1
R-4047
TIP PROJECT:

PROJECT NOTES

MANAGEMENT STRATEGIES

THIS PROJECT WILL BE COMPLETED BY MAINTAINING TRAFFIC ON EXISTING NC 209 AND US 74, EXCEPT AS NOTED IN THE PHASING FOR UTILITY INSTALLATION ON NC 209. RECONSTRUCTION OF NC 209/US 74 RAMPS AND SIDE ROADS WILL BE COMPLETED BY USE OF FLAGGERS, CLOSURES AND DETOURS. ALL OTHER CONSTRUCTION WILL BE COMPLETED AWAY FROM TRAFFIC AND BY USE OF FLAGGERS, LANE CLOSURES, AND TEMPORARY BARRIER WHERE NECESSARY. TEMPORARY PAVEMENT AND TRAFFIC SHIFTS WILL BE REQUIRED TO MAINTAIN TRAFFIC AND ALLOW ADEQUATE ROOM FOR CONSTRUCTION.

CONSTRUCTION OF PHASE 1, STEPS 1-5 WILL BE COMPLETED BY MAINTAINING TRAFFIC IN THE EXISTING PATTERNS AND COMPLETING ALL TEMPORARY PAVEMENT, WIDENING, AND NEW LOCATION SECTIONS AWAY FROM TRAFFIC OR BY USE OF FLAGGERS AND LANE CLOSURES.

TRAFFIC WILL THEN BE SHIFTED TO AREAS OF TEMPORARY PAVEMENT TO ALLOW PERMANENT CONSTRUCTION TO CONTINUE IN PHASE 1, STEPS 6-12.

EXISTING ACCESS ROAD WILL BE CLOSED SHORT-TERM AND CARLEY ROAD WILL BE CLOSED LONG-TERM TO ALLOW FOR RECONSTRUCTION AND CONSTRUCTION OF THE NEW ROADWAYS. OLD CLYDE ROAD WILL BE CLOSED SHORT-TERM TO ALLOW FOR RECONSTRUCTION OF THE INTERSECTION WITH -L- (NC 209 / CRABTREE ROAD).

TEMPORARY BARRIER WILL BE PLACED ALONG THE WESTBOUND SHOULDER OF -Y2L-/-Y2L2- (US 19/US 23/US 74) TO ALLOW FOR WIDENING AND CONSTRUCTION OF FUTURE -RPB- AND -Y4- AWAY FROM TRAFFIC, INCLUDING RETAINING WALLS AND BARRIER WALLS.

FOR PHASE 1, STEPS 13-19, FOLLOWING COMPLETION OF WIDENING ALONG -L- (US 23 BUS/NC 209) SOUTH OF THE US 74 BRIDGE, WEDGING WILL BE COMPLETED ON NC 209 UNDER TRAFFIC AT THE SAME TIME THAT RAMPS C AND D ARE TEMPORARILY CLOSED AND DETOURED (SHORT-TERM) TO COMPLETE CONSTRUCTION ON THE RAMPS AWAY FROM TRAFFIC.

EXISTING PARAGON PARKWAY WILL BE CLOSED AND DETOURED SHORT-TERM TO COMPLETE TIE-IN TO -L-.

PHASE 2 WILL BEGIN BY PLACING TRAFFIC ON -L- IN THE FINAL PATTERN SOUTH OF THE US 74 BRIDGE AND IN A TEMPORARY PATTERN ON THE SECTION WIDENED IN PHASE 1 NORTH OF THE US 74 BRIDGE.

LOOP B AND RAMP B WILL BE CLOSED AND DETOURED SHORT-TERM TO COMPLETE CONSTRUCTION AND TIE-IN TO -L-.

CONSTRUCTION WILL BEGIN ON THE REMAINING SECTIONS OF -L- BY USE OF FLAGGERS AND LANE CLOSURES. LOOP B, RAMP B, AND -Y4- WILL BE OPENED TO THE FINAL PATTERNS, AND ALL REMAINING CONSTRUCTION WILL BE COMPLETED.

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
1) -L- (US 23 BUS/NC 209/ CRABTREE RD)	MON-FRI: 7:00 A.M. TO 9:00 A.M. & (WHEN SCHOOL 2:30 P.M. TO 6:00 P.M. IS IN SESSION)
-RPC-	
-Y2- (SR 1929/ HOSPITAL DR)	

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

ROAD NAME

-L- (US 23 BUS/NC 209/CRABTREE RD)
 -Y2L-/-Y2L1-/-Y2L2- (US 19/US 23/US 74)
 -Y2- (SR 1929/HOSPITAL DRIVE)
 -LPB-, -RPB-, -RPC-, AND -RPD- (US 74 / NC 209 RAMPS)

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR WEEKENDS DURING THE MONTH OF OCTOBER, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 6:00 A.M. MONDAY.
- FOR OTHER EVENTS AS SPECIFIED BY THE ENGINEER.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
1) -L- (US 23 BUS/NC 209/ CRABTREE RD)	MONDAY-SUNDAY: 6:00 A.M. TO 8:00 P.M.	30 MINUTES FOR OVERHEAD BRIDGE WORK
2) -Y2L-/-Y2L1-/-Y2L2- (US 19/US 23/US 74)	MONDAY-SUNDAY: 6:00 A.M. TO 10:00 P.M.	30 MINUTES FOR OVERHEAD SIGN WORK

D) 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

- REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE 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.

H) 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.

I) 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.

J) DO NOT INSTALL MORE THAN 1 MILE OF LANE CLOSURE ON -Y2L-/-Y2L1-/-Y2L2- (US 19/US 23/US 74) OR -L- (US 23 BUS/NC 209) MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.

K) DO NOT INSTALL MORE THAN 1 SIMULTANEOUS LANE CLOSURE IN ANY ONE DIRECTION ON -Y2L-/-Y2L1-/-Y2L2- (US 19/US 23/US 74) OR -L- (US 23 BUS/NC 209).

PAVEMENT EDGE DROP OFF REQUIREMENTS

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

M) 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 EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

APPROVED: _____ DATE: _____ 		TRANSPORTATION OPERATIONS PLAN
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REVISIONS

PROJECT NOTES

GENERAL NOTES

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- O) 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.
- P) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTES AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- Q) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
- COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- R) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- S) 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 BARRIER

- T) 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.

- U) PROTECT THE APPROACH END OF MOVABLE/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 MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS: (SEE ALSO 1101.05)

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

TRAFFIC CONTROL DEVICES

- V) 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.
- W) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- X) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS/CONES/SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 300 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.
- Y) PLACE ADDITIONAL CHANGEABLE MESSAGE SIGNS (CMS) AS DIRECTED BY THE ENGINEER. LOCATION OF CMS AND MESSAGE DISPLAYED SHALL BE AS DIRECTED BY THE ENGINEER.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY RAISED

- AA) 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.
- BB) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- CC) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- DD) TRACE THE EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL AND INSTALLATION. PLACE DRUMS TO DELINEATE ANY EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND BEFORE INSTALLATION.

MISCELLANEOUS

- EE) LAW ENFORCEMENT SHALL BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- FF) COORDINATE WITH THE ENGINEER TO NOTIFY ALL EMERGENCY SERVICES PRIOR TO ALL TRAFFIC SHIFTS AND IMPLEMENTATION OF DETOURS AND ROAD CLOSURES. NOTIFY ADJACENT MUNICIPALITIES WHO MAY BE AFFECTED OR EXPERIENCE INCREASED TRAFFIC DUE TO IMPLEMENTATION OF DETOURS AND ROAD CLOSURES.
- GG) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 250 FT. AND 500 FT. RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

- * TEMPORARY TIE-INS USING ABC STONE WILL NOT BE PERMITTED ON THE FOLLOWING ROADS:
 -L- (US 23/NC 209/CRABTREE RD)
 -Y2L- / -Y2L1- / -Y2L2- (US 19/US 23/US 74)
 -Y2- (SR 1929/HOSPITAL DRIVE)
 -Y3- (SR 1646/PARAGON PARKWAY)
 -LPB-, -RPB-, -RPC-, AND -RPD- (US 74 / NC 209 RAMPS)

- HH) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

- II) REFER TO THE HAYWOOD COUNTY SCHOOLS YEARLY CALENDARS FOR THE PLANNED AND MAKE-UP INSTRUCTIONAL DAYS WHEN SCHOOL IS IN SESSION. LANE CLOSURE TIME RESTRICTIONS, AS LISTED ON SHEET TMP-1B, SHALL APPLY DURING THESE SPECIFIED DAYS. LANE CLOSURE TIME RESTRICTIONS WILL NOT APPLY DURING NON-INSTRUCTIONAL DAYS.

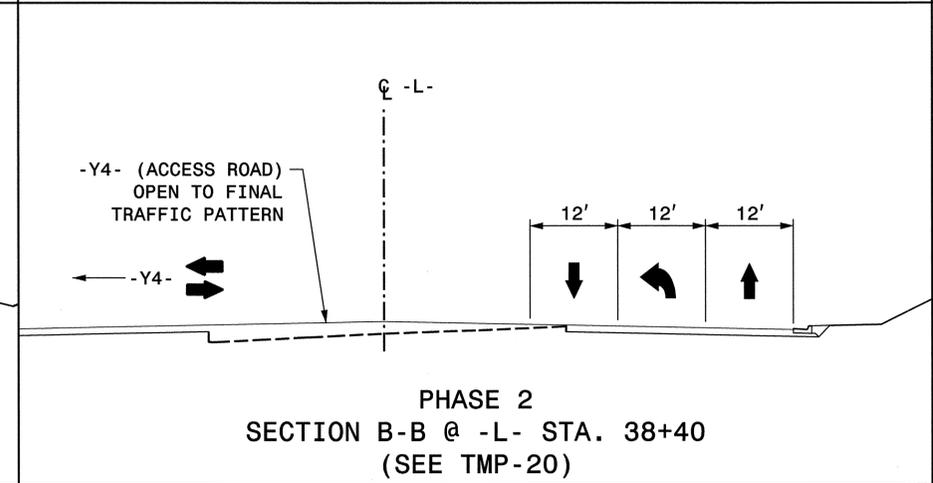
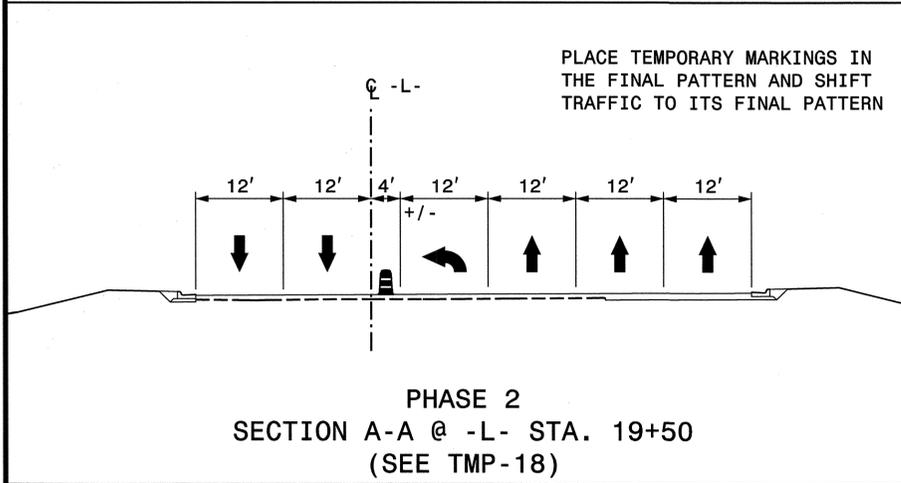
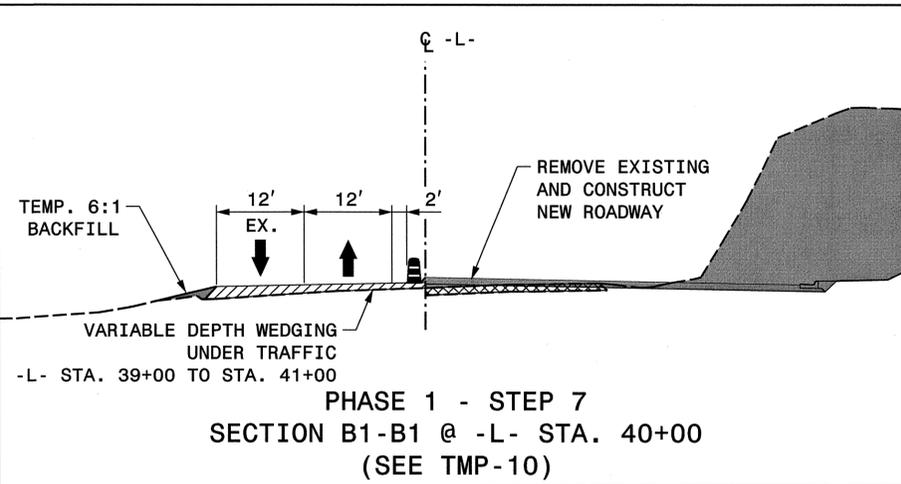
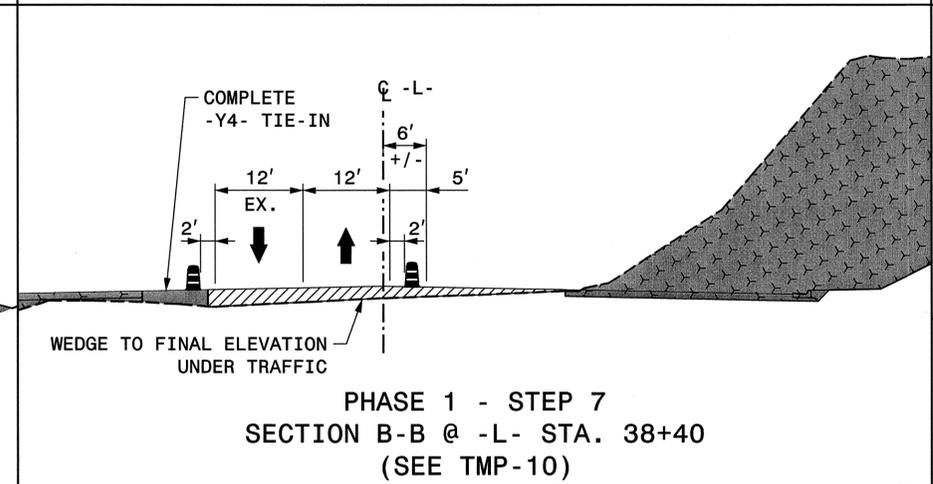
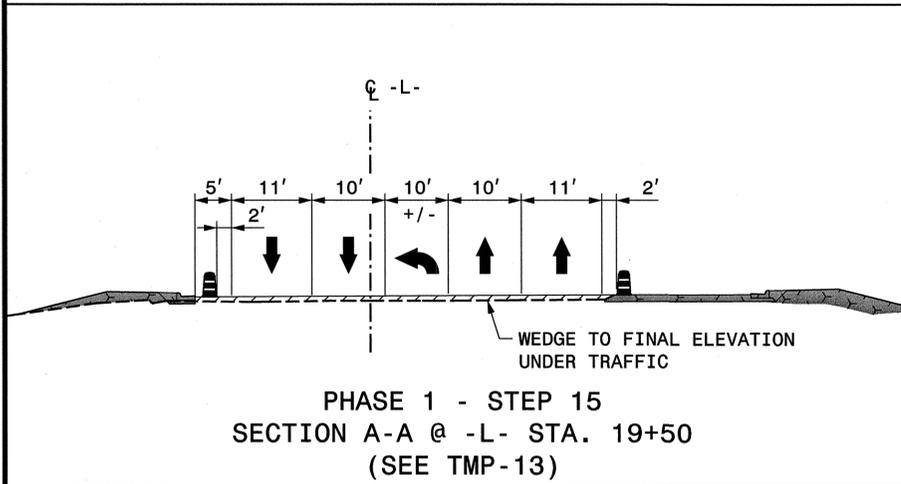
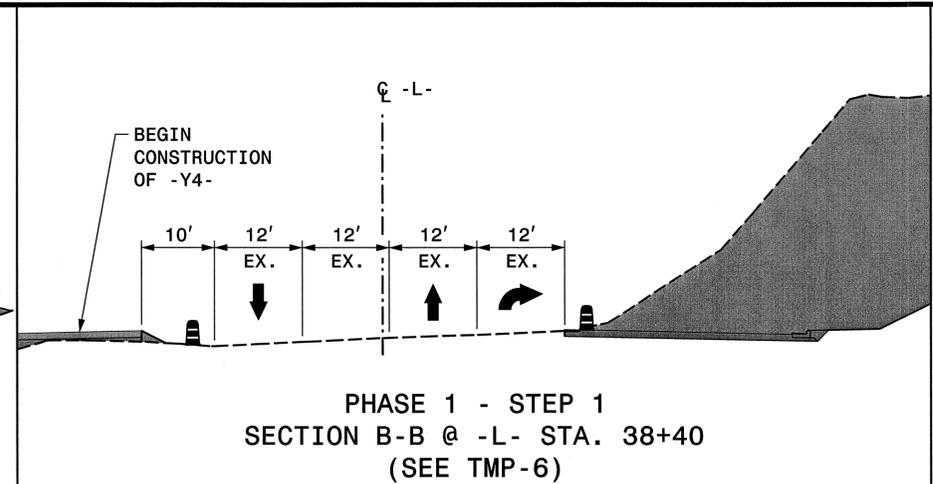
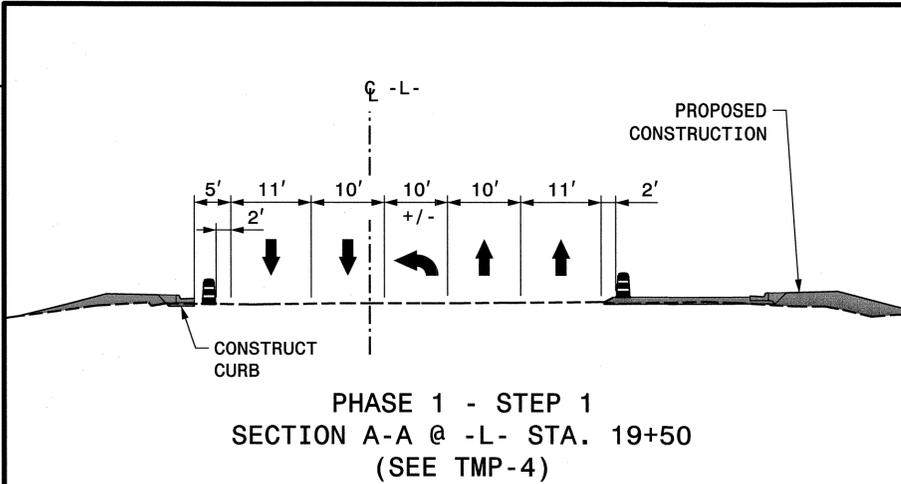
LOCAL NOTES

- LN-01) COORDINATE WITH NORFOLK SOUTHERN RAILROAD TO ENSURE RAIL TRAFFIC DOES NOT STOP ON AND BLOCK VEHICULAR TRAFFIC OVER THE EXISTING ACCESS ROAD AT-GRADE RAIL CROSSING DURING CLOSURES OF -Y4- (ACCESS ROAD, SOUTH ENTRANCE) AND -Y6- (ACCESS ROAD, NORTH ENTRANCE).
- LN-02) CLOSURE OF RAMP C (-RPC-) AND RAMP D (-RPD-) WILL BE RESTRICTED TO NON-INSTRUCTIONAL SCHOOL DAYS ONLY. (SEE GENERAL NOTE 'II' AND LOCAL NOTE LN-03)
- LN-03) ASPHALT WEDGING ON -L- (NC 209) AND -Y1- (LINER COVE ROAD), INCLUDING THE WORK WITHIN THE -L- / -RPC- / -RPD- / -Y1- INTERSECTION SHALL BE COMPLETED CONCURRENTLY WITH THE -RPC- / -RPD- RAMP CLOSURES. (SEE LOCAL NOTE LN-02)
- LN-04) COMPLETE ALL LIGHTING WORK WITHIN THE US 19/US 23/US 74 MEDIAN USING A CLOSURE OF THE INSIDE (LEFT) EASTBOUND LANE ON US 74. WORK IN A CONTINUOUS MANNER TO COMPLETE ALL LIGHTING WORK WITHIN THE MEDIAN. REMOVE LANE CLOSURES IF WORK DOES NOT OCCUR FOR MORE THAN 24 HOURS OR AS DIRECTED BY THE ENGINEER.
- LN-05) PROTECT TRAFFIC FROM CONSTRUCTION DEBRIS DURING THE DRILLED SHAFT OPERATION FOR THE NSRR STRUCTURE (-L- STA. 42+50 +/-), AS DIRECTED BY THE ENGINEER.
- LN-06) CLOSURE OF -Y8- (OLD CLYDE ROAD) WILL BE PERMITTED FOR A MAXIMUM OF FOURTEEN (14) CONSECUTIVE CALENDAR DAYS, AS SPECIFIED WITHIN THE INTERMEDIATE CONTRACT TIME. -Y8- MAY BE CLOSED BEGINNING AT 8:00 PM SUNDAY AND SHALL BE REOPENED BY 6:00 AM ON THE SECOND SUNDAY FOLLOWING IMPLEMENTATION OF THE CLOSURE. THIS ICT IS SPECIFIED SO AS TO NOT IMPACT ACCESS TO THE SERVICES AND ACTIVITIES AT LONGS CHAPEL UNITED METHODIST CHURCH (133 OLD CLYDE ROAD) MORE THAN A MAXIMUM OF ONE (1) SUNDAY AND TWO (2) CONSECUTIVE WEEKDAY ACTIVITIES.
- LN-07) TEMPORARY ACCESS SHALL BE MAINTAINED THROUGH THE -Y8- WORK AREA TO NC 209 AT ALL TIMES FOR EMERGENCY VEHICLE ACCESS DURING THE CLOSURE OF -Y8-. AGGREGATE BASE COURSE MAY BE USED FOR THIS TEMPORARY ACCESS.
- LN-08) COMPLETE ALL WORK ON -Y4- IN A MANNER SO THAT -Y4- IS COMPLETED AND OPENED TO TRAFFIC WHEN TRAFFIC IS SHIFTED TO THE TEMPORARY PATTERN ON -L- IN PHASE 2.

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REVISIONS

APPROVED: _____ DATE: _____	 DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	TRANSPORTATION OPERATIONS PLAN
 SEAL NORTH CAROLINA PROFESSIONAL ENGINEER SKINSNE BROOKS 12/17/13		

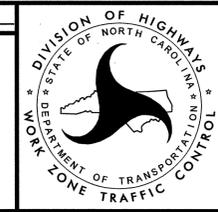


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REVISIONS

APPROVED: _____ DATE: _____

SEAL

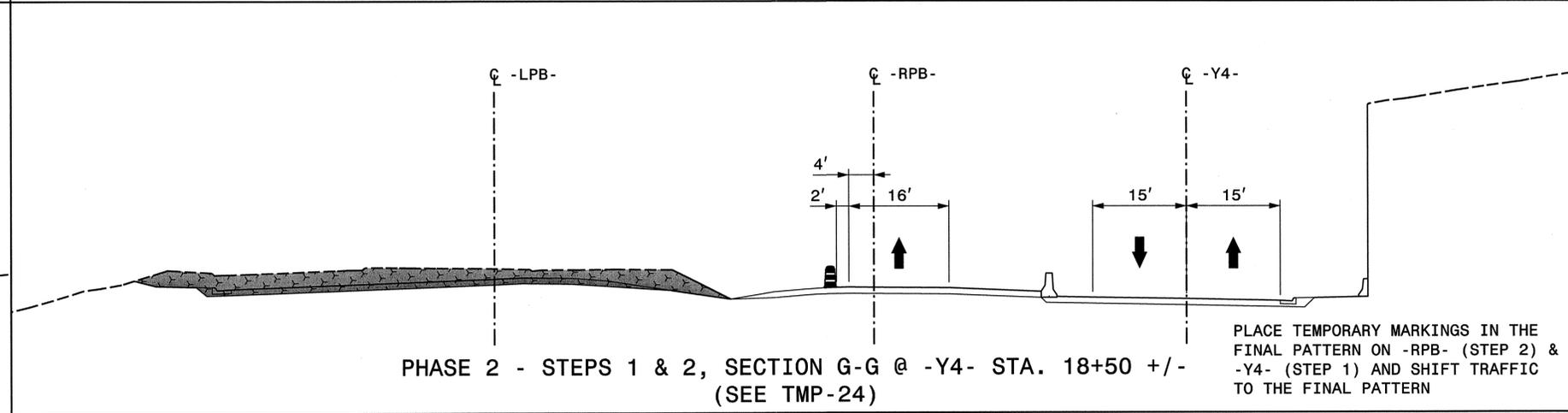
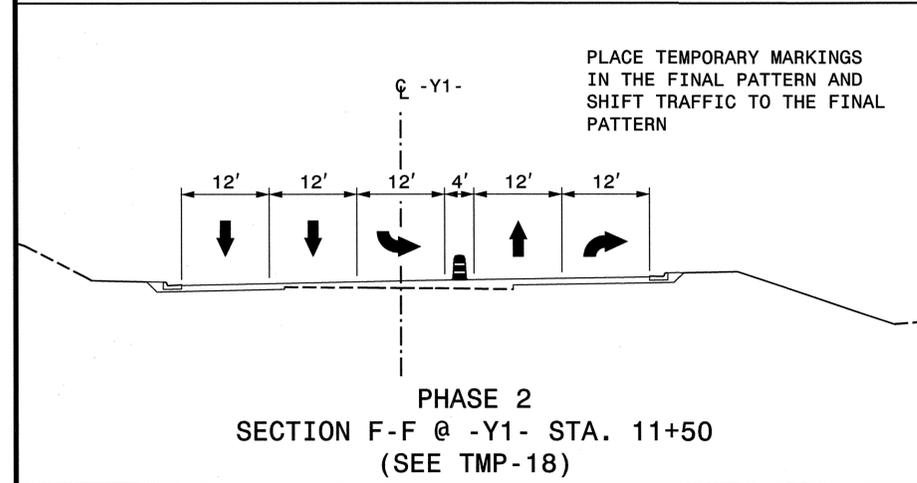
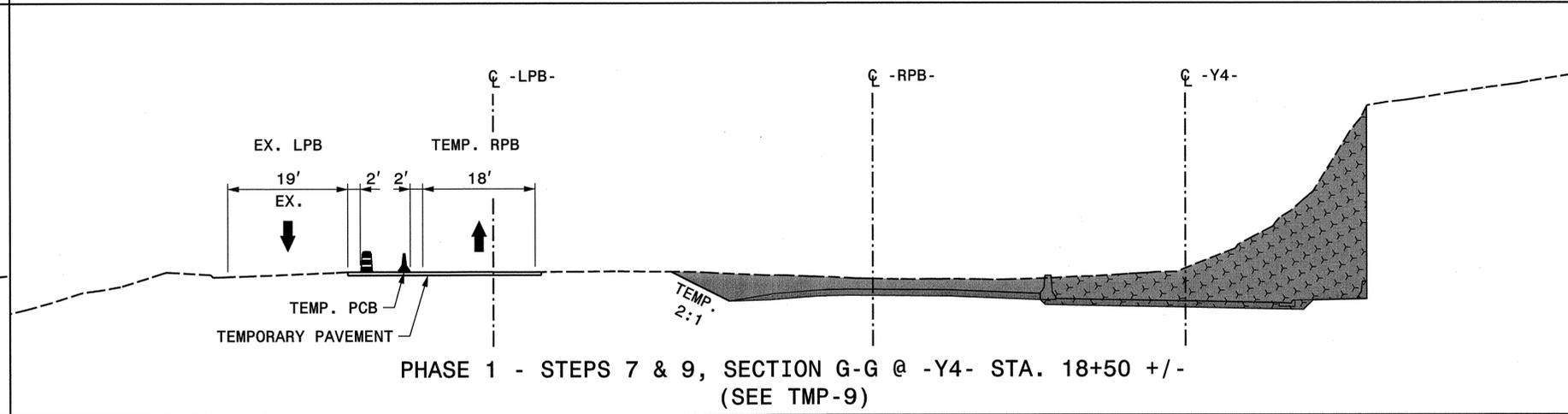
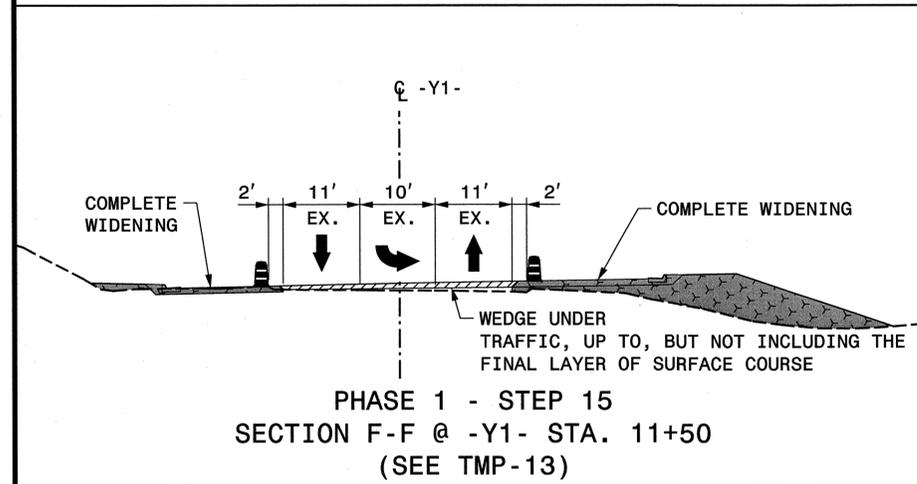
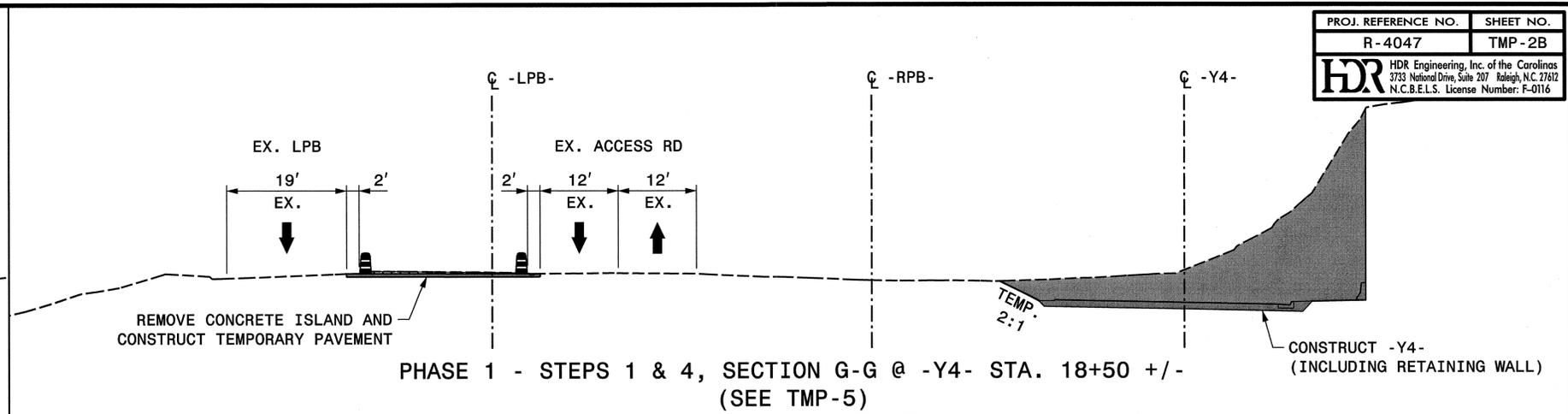
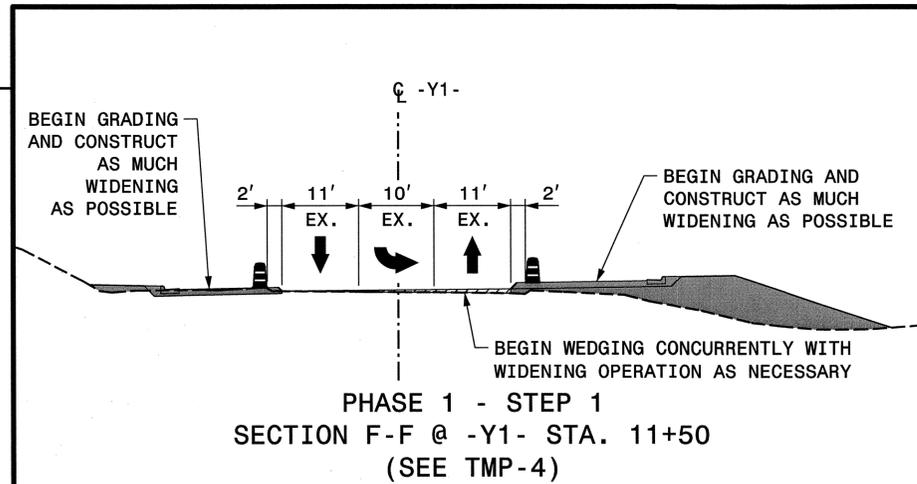



TYPICAL SECTIONS
A-A, B-B, AND B1-B1

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REVISIONS

PROJ. REFERENCE NO.	SHEET NO.
R-4047	TMP-2B
 HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.E.L.S. License Number: F-0116	

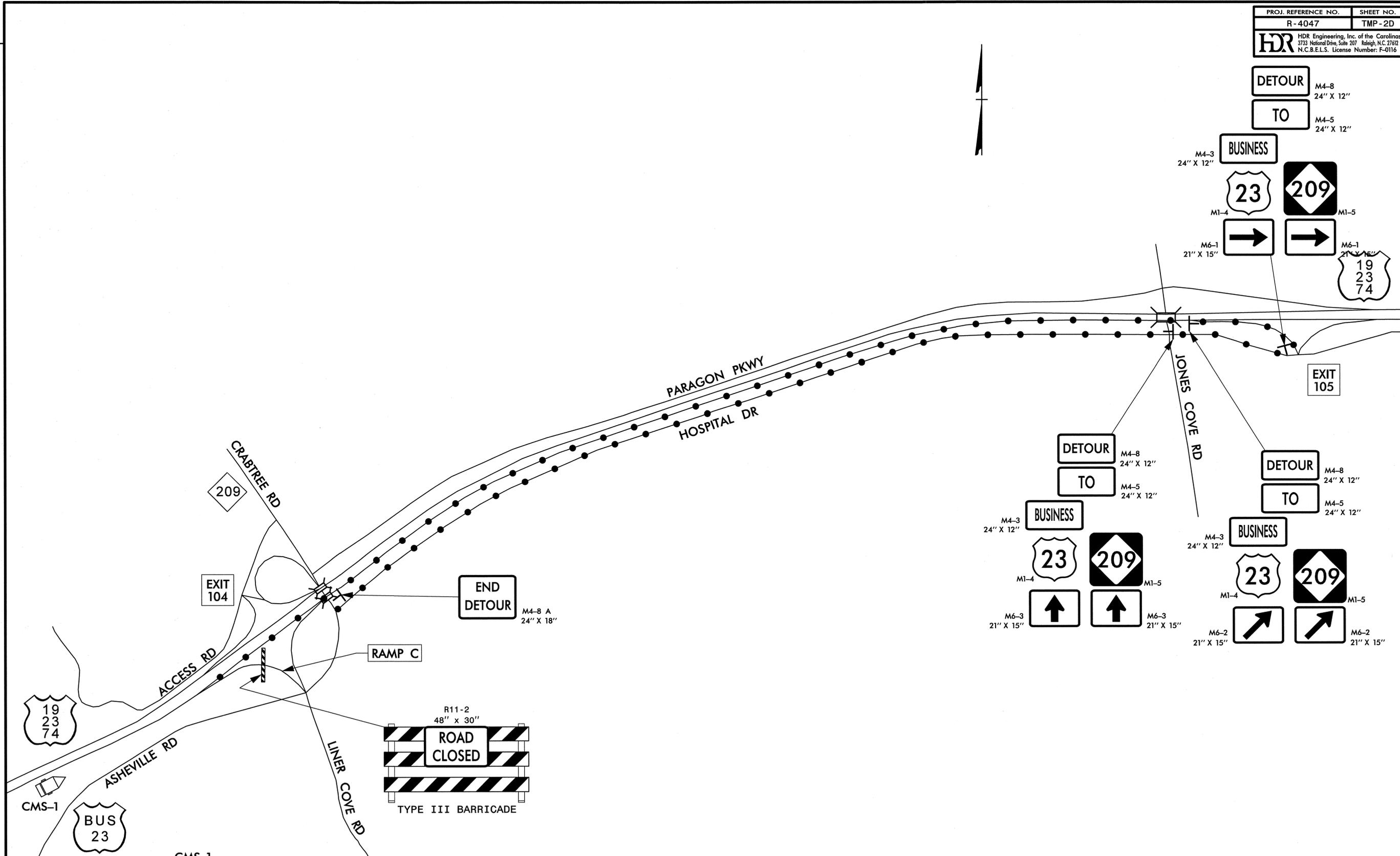


APPROVED:	DATE:	 DIVISION OF HIGHWAYS NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	TYPICAL SECTIONS F-F AND G-G
 SEAL BRADSKINE BROOKS 12/17/13			

PLOT DRIVER: NCDOT...pdf_mono_eng_50.plt
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R-4047	TMP-2D

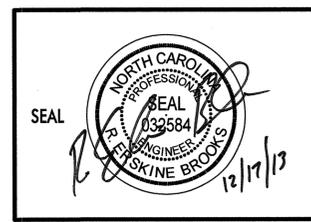
HDR HDR Engineering, Inc. of the Carolinas
 3733 National Drive, Suite 207 Raleigh, N.C. 27612
 N.C.B.E.L.S. License Number: F-0116



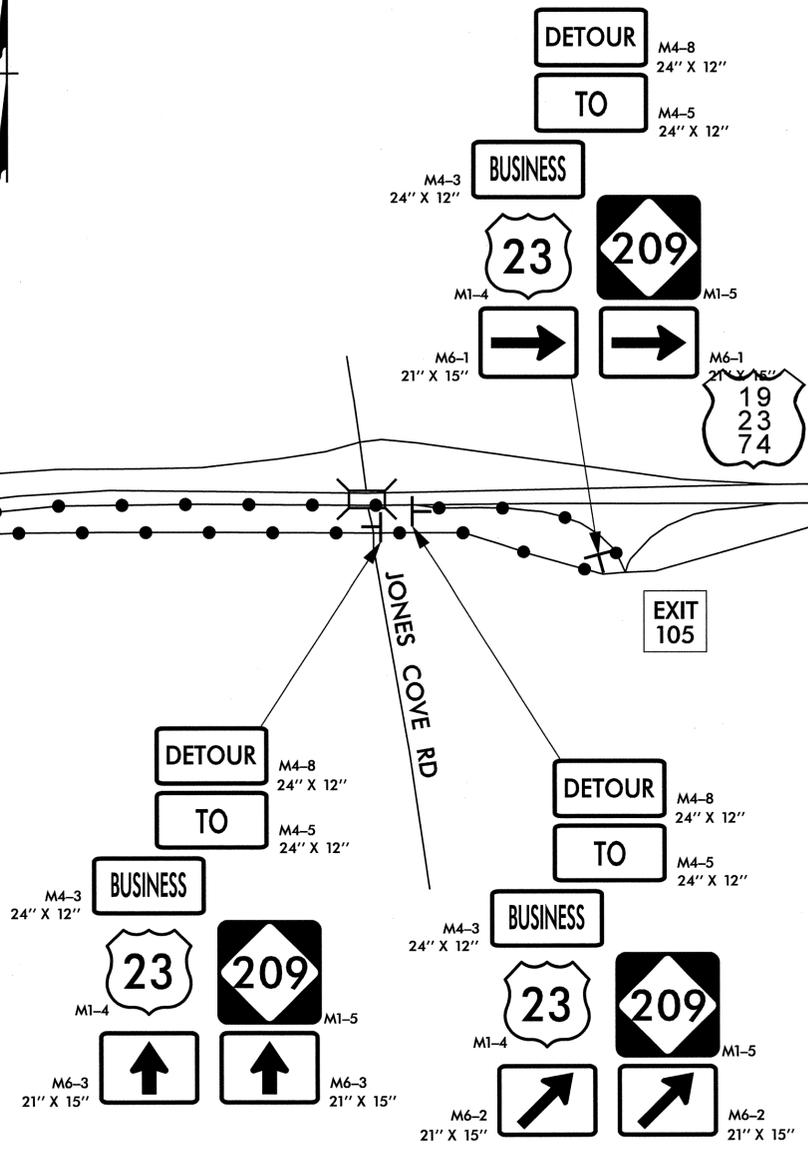
CMS-1

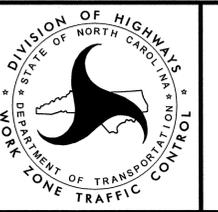
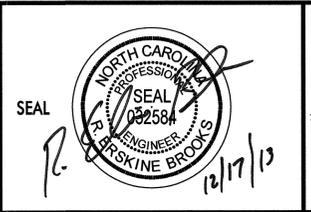
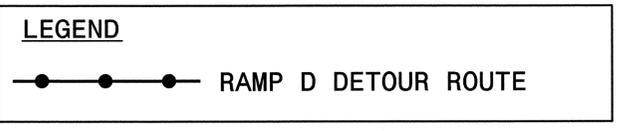
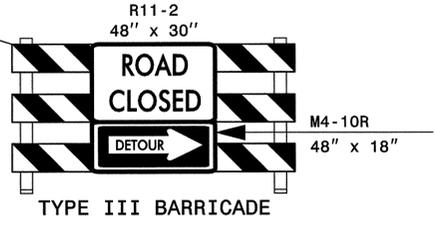
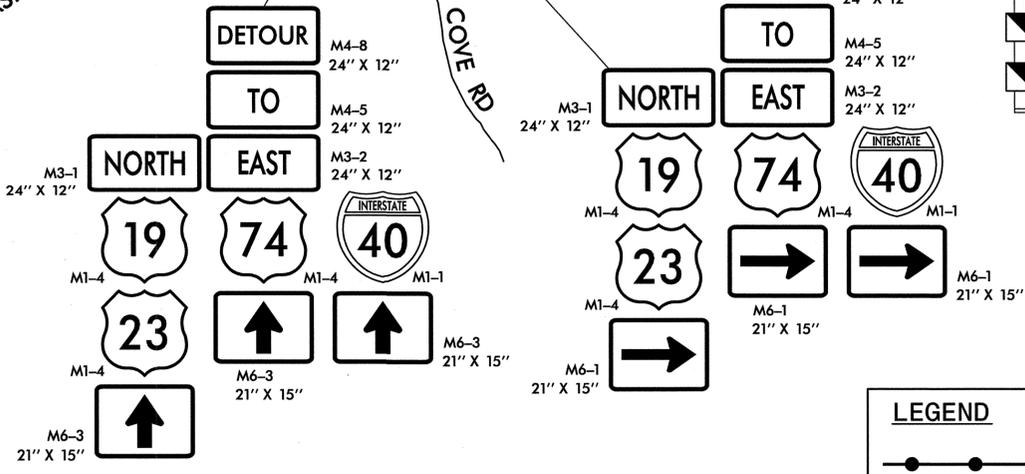
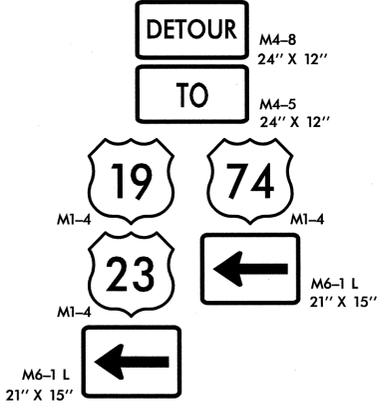
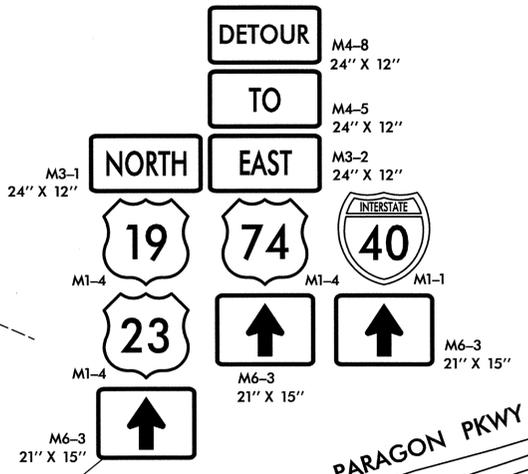
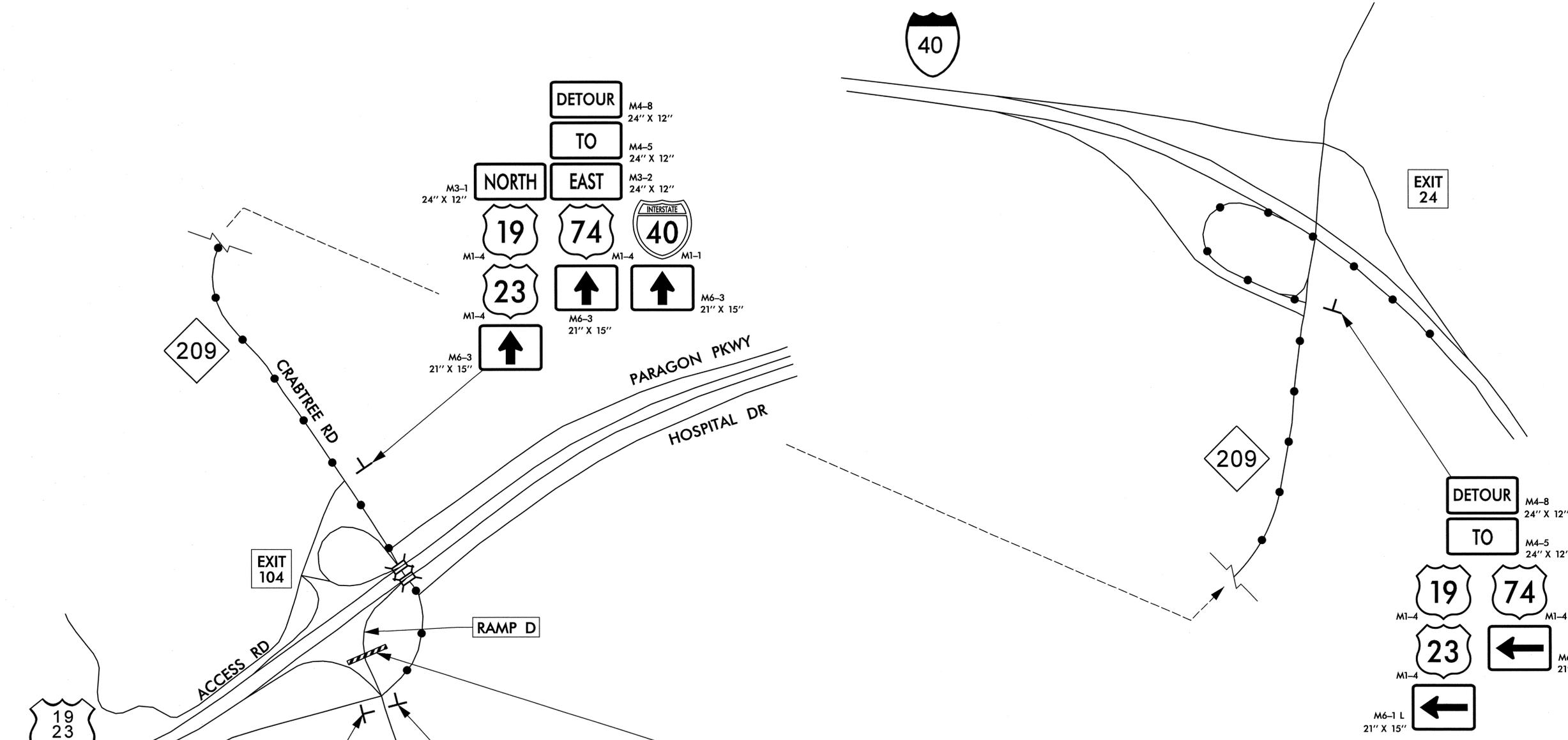
MESSAGE NO. 1	MESSAGE NO. 2
EXIT 104	USE EXIT 105
CLOSED	

CHANGEABLE MESSAGE SIGN



US 74 E/NC 209
RAMP C DETOUR





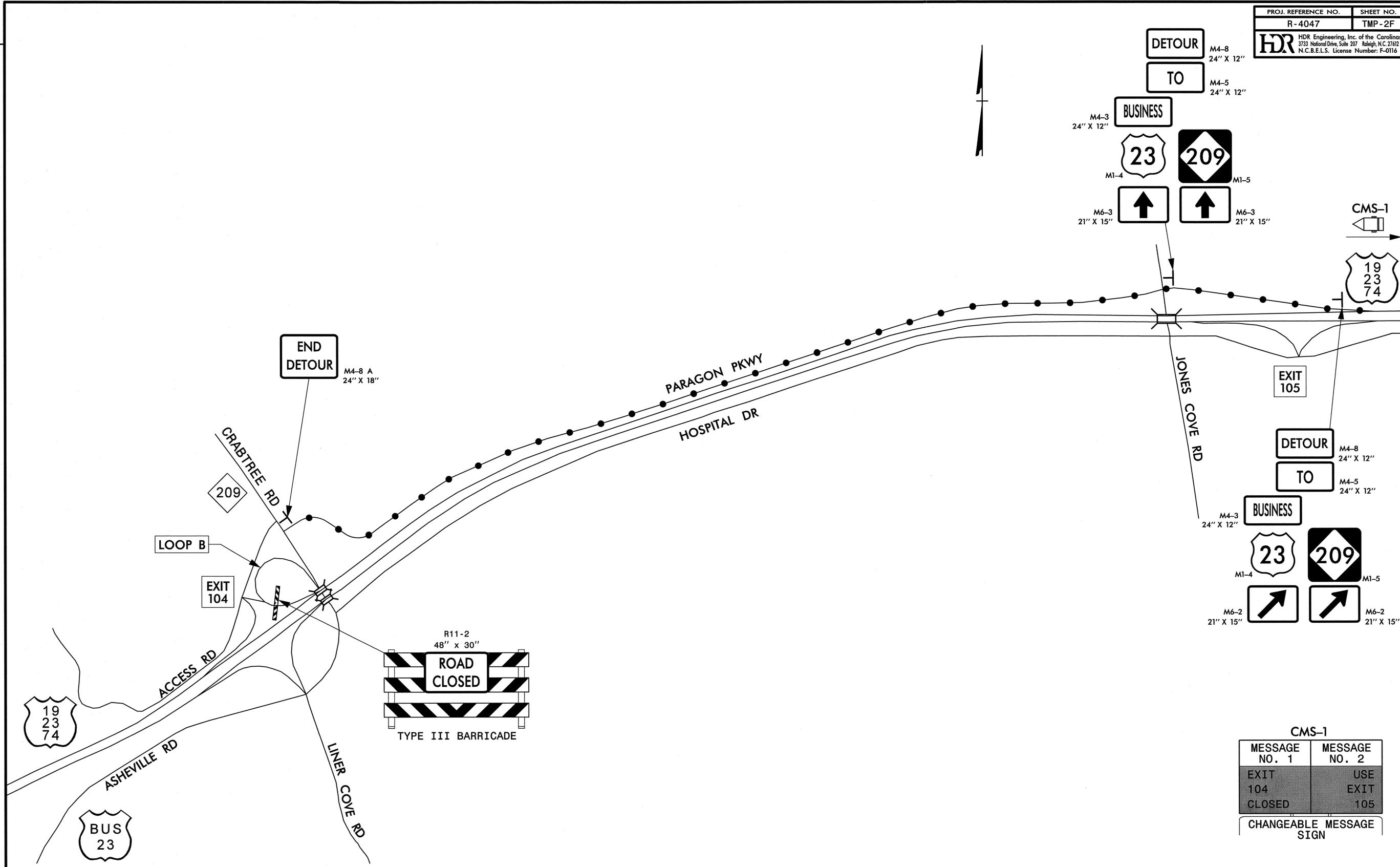
US 74 E/NC 209
RAMP D DETOUR ROUTE

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PLOT DRIVER: NCDOT_pdf_mono_eng_50.pit
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PROJ. REFERENCE NO.	SHEET NO.
R-4047	TMP-2F

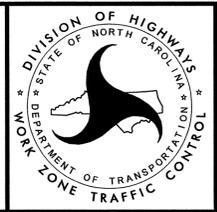
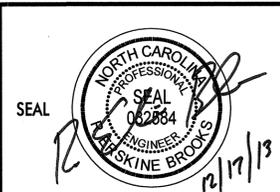
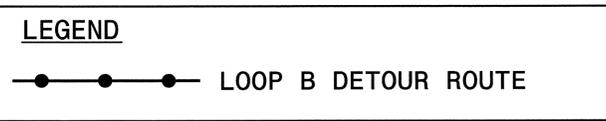
HDR
 HDR Engineering, Inc. of the Carolinas
 3733 National Drive, Suite 207 Raleigh, NC 27612
 N.C.B.E.L.S. License Number: F-0116



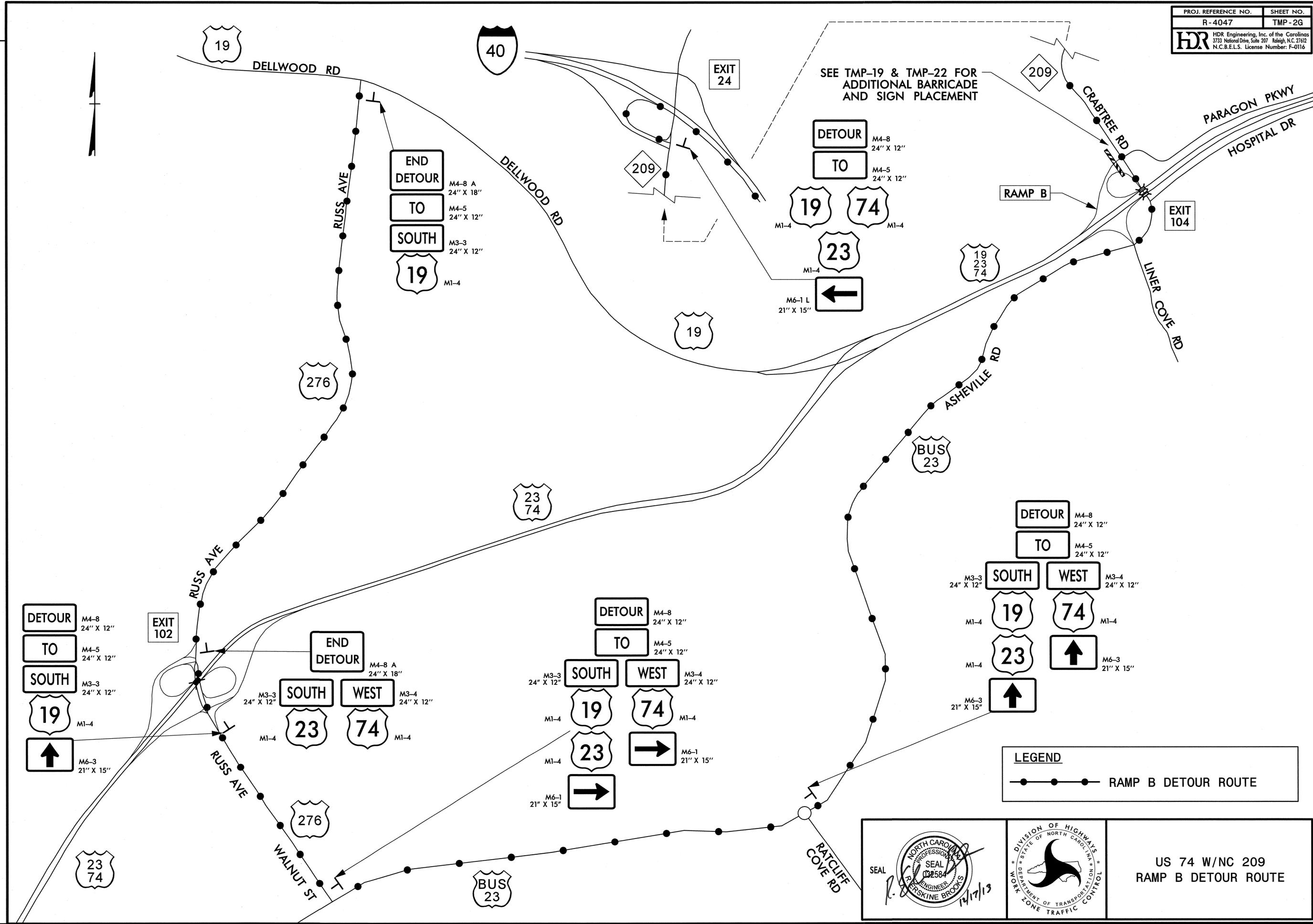
CMS-1

MESSAGE NO. 1	MESSAGE NO. 2
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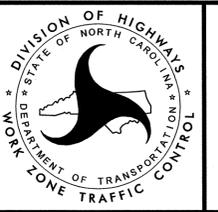
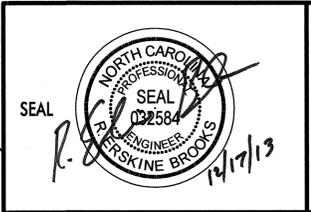
CHANGEABLE MESSAGE SIGN



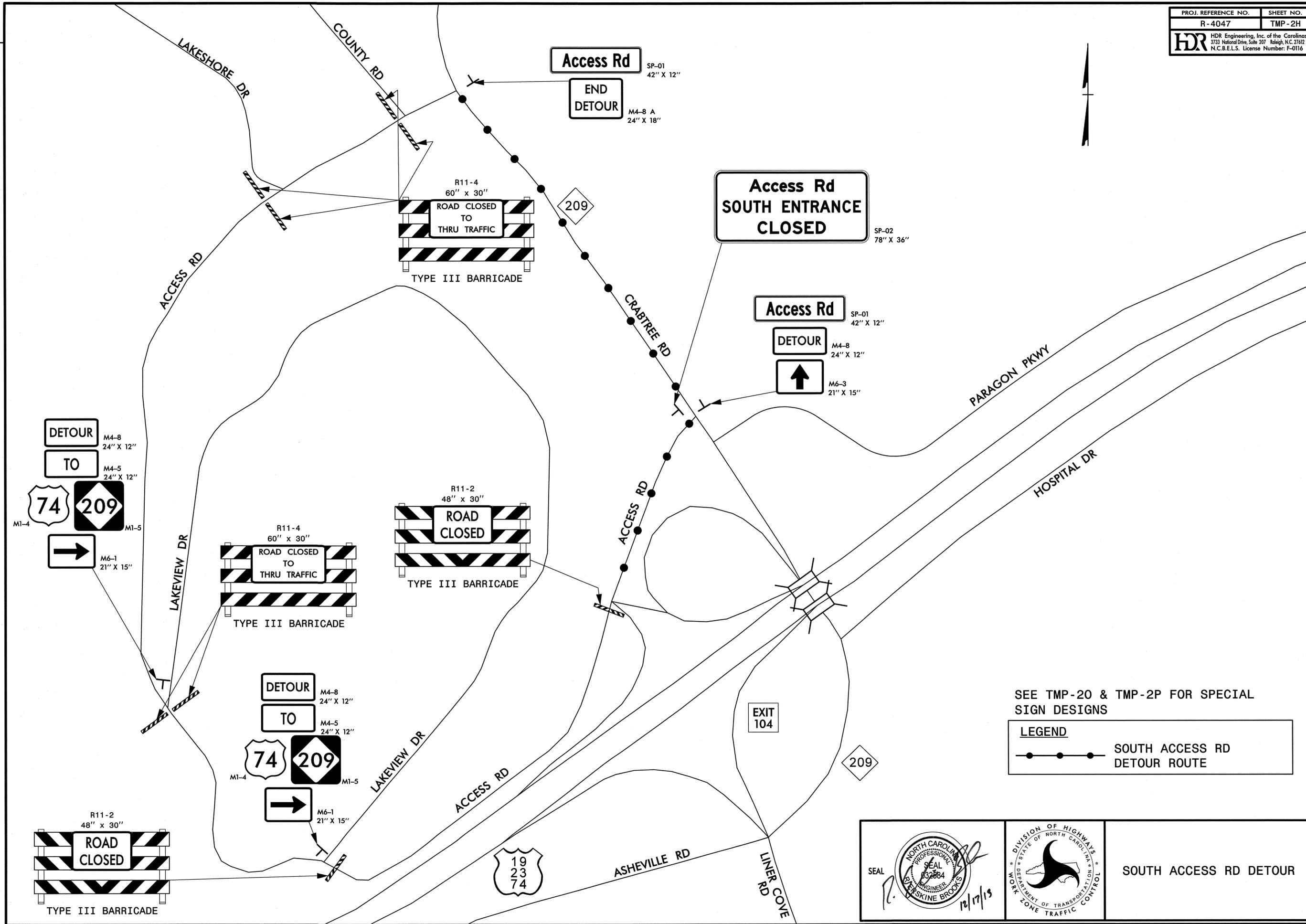
US 74 W/NC 209
 LOOP B DETOUR ROUTE



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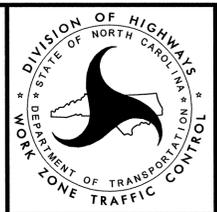
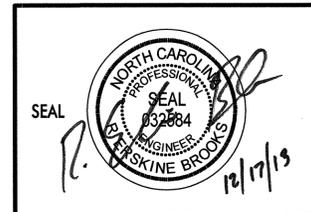


**US 74 W/NC 209
RAMP B DETOUR ROUTE**



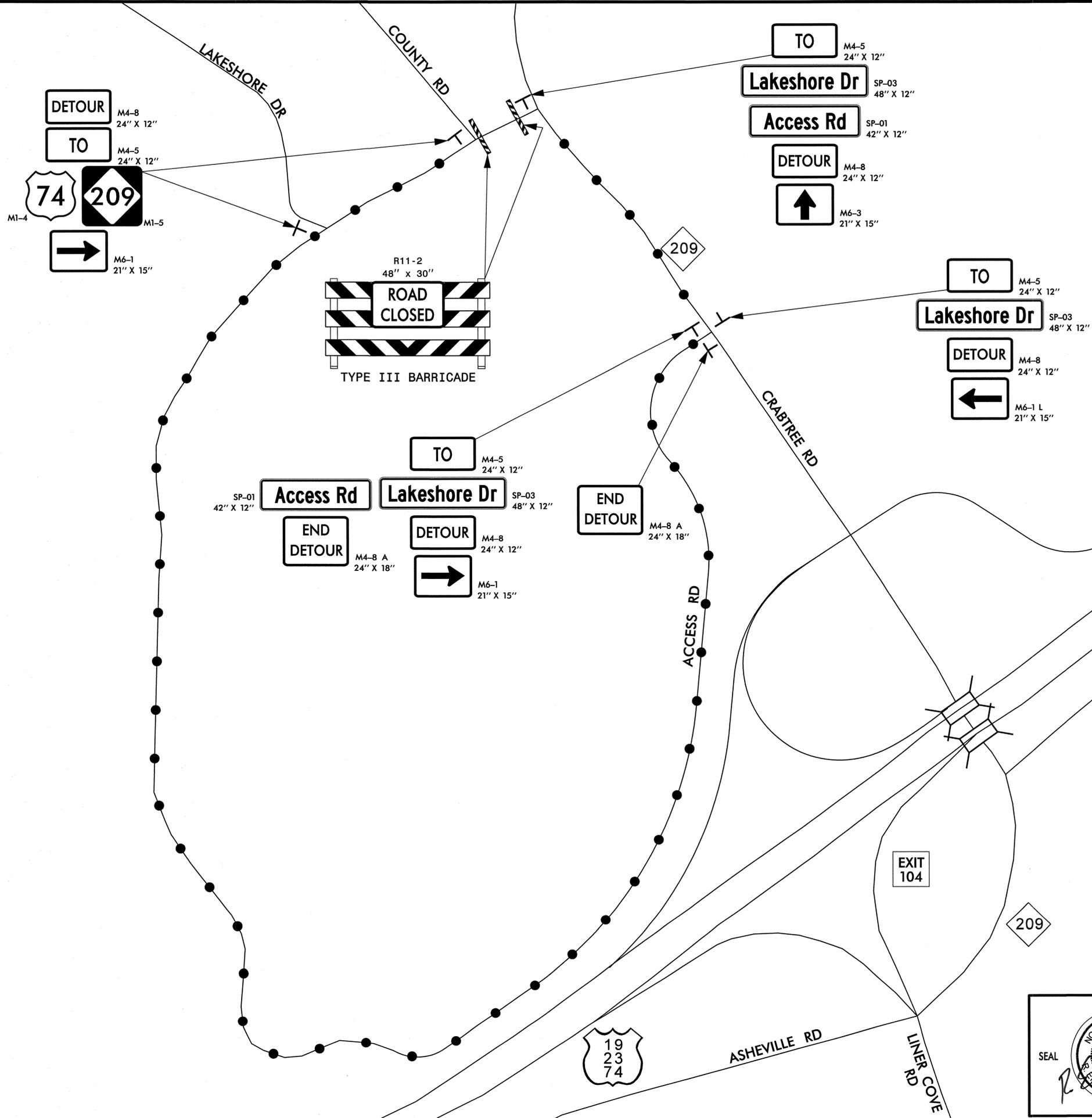
SEE TMP-20 & TMP-2P FOR SPECIAL SIGN DESIGNS

LEGEND	
	SOUTH ACCESS RD DETOUR ROUTE



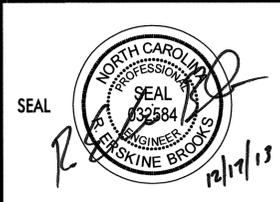
SOUTH ACCESS RD DETOUR

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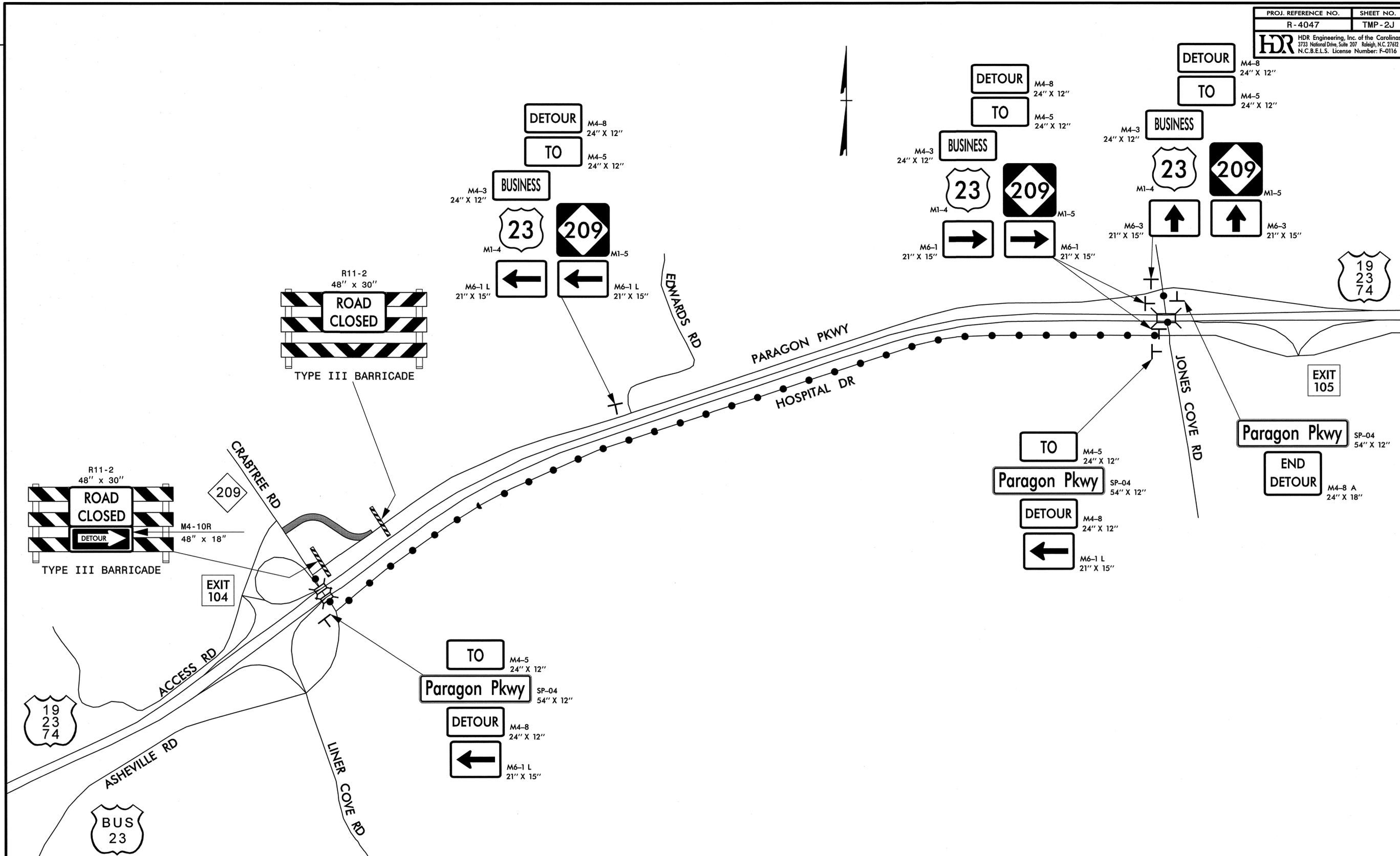
SEE TMP-20 & TMP-2Q FOR SPECIAL SIGN DESIGNS

LEGEND	
	NORTH ACCESS RD DETOUR ROUTE



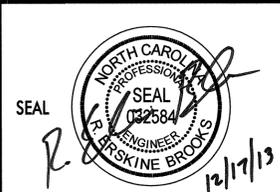
NORTH ACCESS RD DETOUR

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SEE TMP-2R FOR SPECIAL SIGN DESIGN

LEGEND	
	PARAGON PKWY DETOUR ROUTE



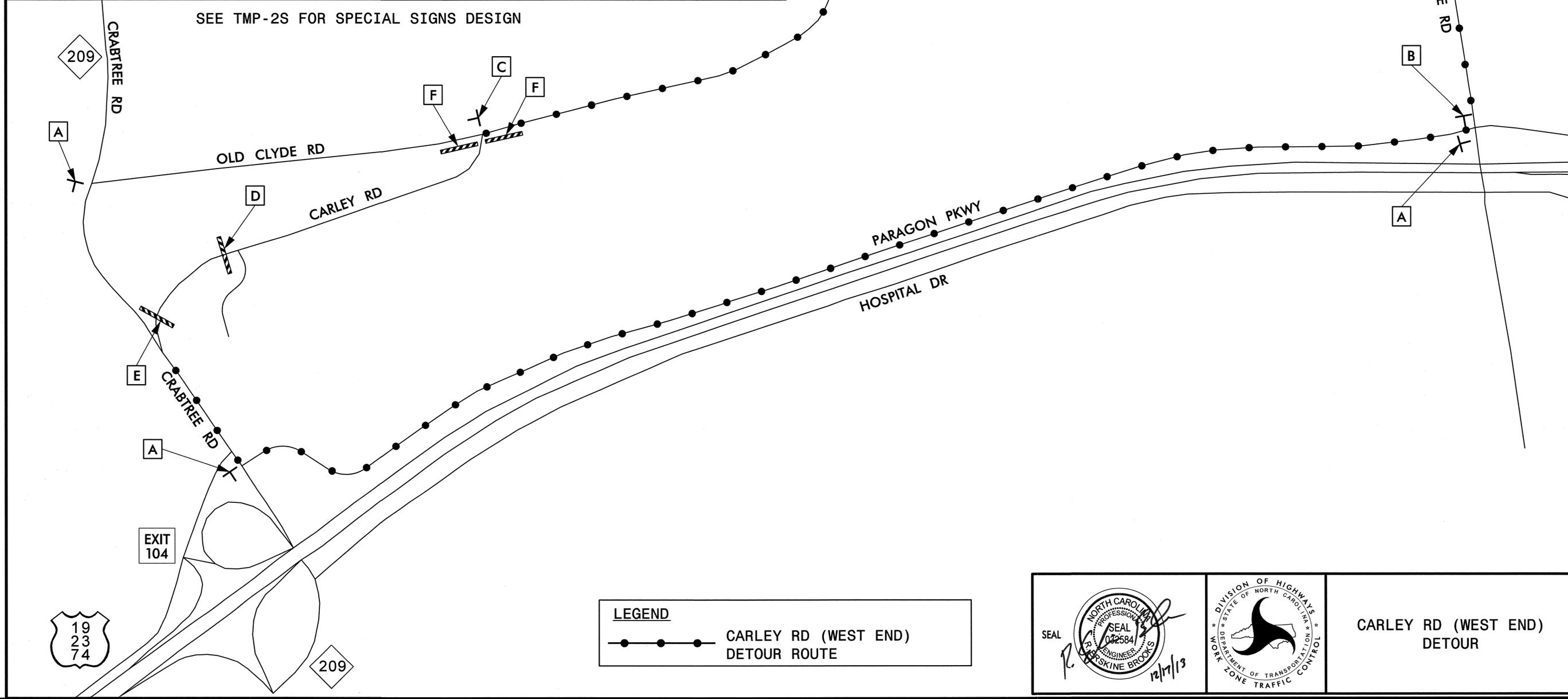
PARAGON PKWY DETOUR

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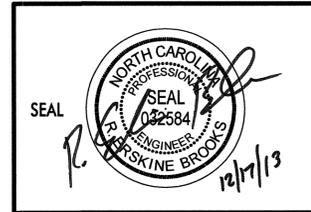
PROJ. REFERENCE NO. R-4047	SHEET NO. TMP-2L
<small>HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116</small>	

<p>A</p> <p>Carley Rd SP-05 36" X 12"</p> <p>DETOUR M4-8 24" X 12"</p> <p>← M6-1 L 21" X 15"</p>	<p>B</p> <p>DETOUR M4-8 24" X 12"</p> <p>TO M4-5 24" X 12"</p> <p>209 M1-5</p> <p>→ M6-1 21" X 15"</p>	<p>C</p> <p>Carley Rd SP-05 36" X 12"</p> <p>END DETOUR M4-8 A 24" X 18"</p>
<p>D</p> <p>R11-2 48" x 30"</p> <p>ROAD CLOSED</p> <p>TYPE III BARRICADE</p>	<p>E</p> <p>R11-2 48" x 30"</p> <p>ROAD CLOSED</p> <p>→ DETOUR M4-10R 48" x 18"</p> <p>TYPE III BARRICADE</p>	<p>F</p> <p>R11-4 60" x 30"</p> <p>ROAD CLOSED TO THRU TRAFFIC</p> <p>← DETOUR M4-10L 48" x 18"</p> <p>TYPE III BARRICADE</p>

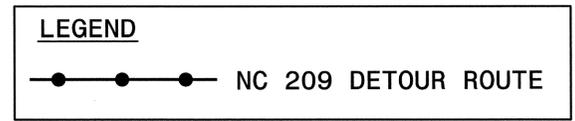
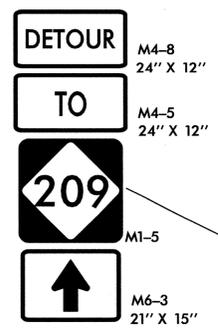
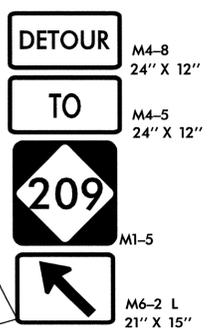
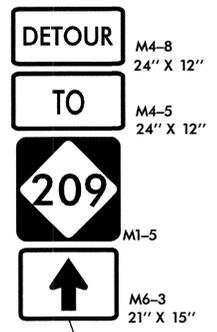
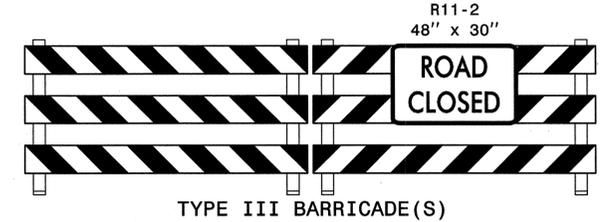
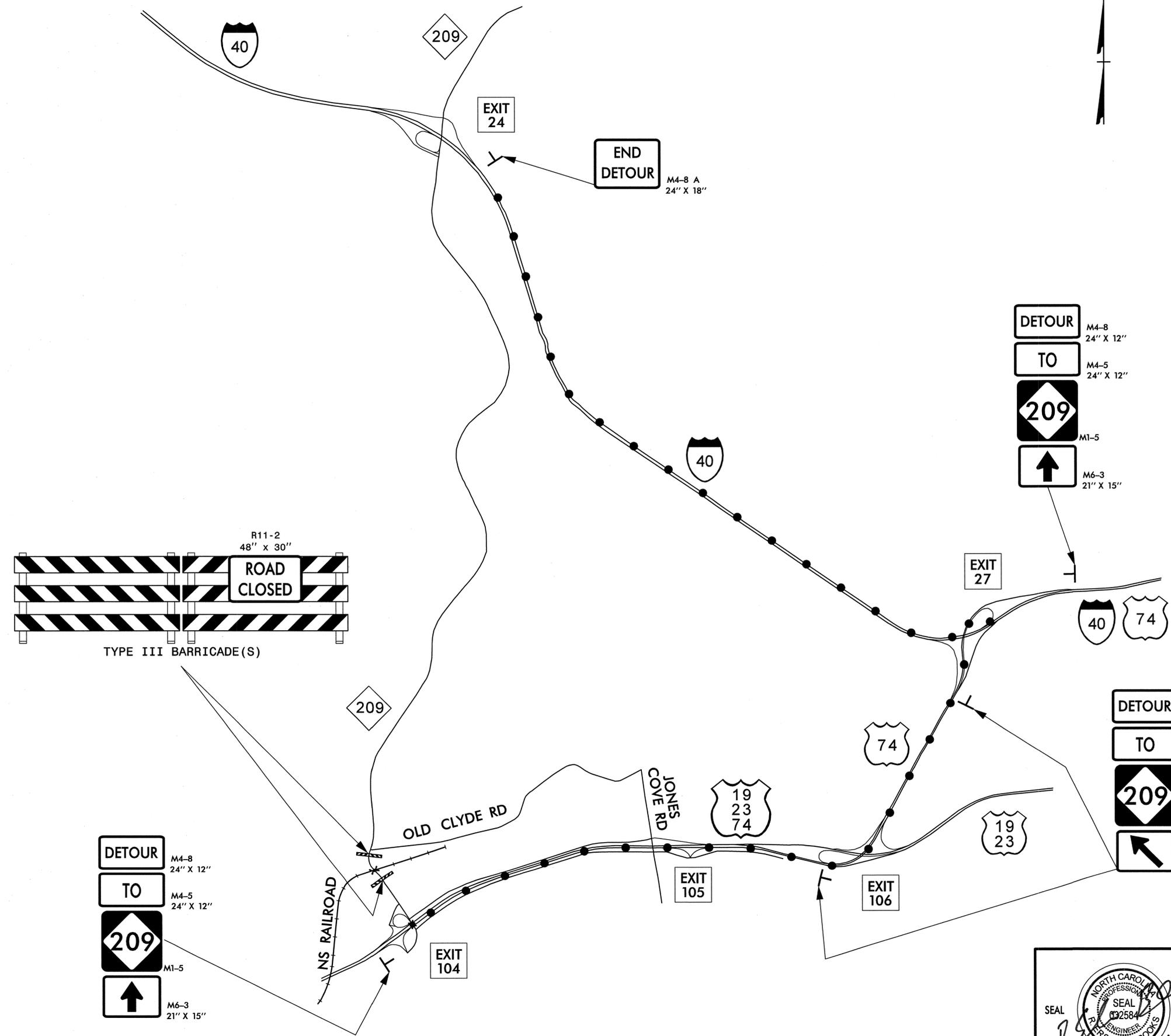


LEGEND

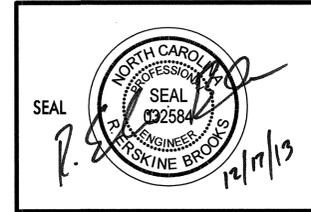
—●—●—●— CARLEY RD (WEST END)
 - - - - - DETOUR ROUTE



**CARLEY RD (WEST END)
 DETOUR**



PLOT DRIVER: NCDOT_pdf_mono_eng_50.plt
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 FILE: p:\NPWAPP\PA01\SouthEast_Tampa\Documents\North Carolina\Dept_of_Transportation\2013_Mobility_Safety_LSA_MNCDOT_R_4047_TrafficControl\TCP\N-4047_TMP-TMP-02N_NC_209_Thru_Detour\



NC 209 DETOUR

SIGN NUMBER: SP-07
 TYPE: D
 QUANTITY: 1
 SIGN WIDTH: 2'-0"
 HEIGHT: 1'-0"
 TOTAL AREA: 2.0 Sq.Ft.

BACKG COLOR: Orange
 COPY COLOR: Black

SYMBOL	X	Y	WIDTH	HT

BORDER TYPE: FLUSH
 RECESS: 0.38"
 WIDTH: 0.38"
 RADII: 1.88"

NO. Z BARS:
 LENGTH:

MAT'L: 0.125" (3.2 mm) ALUMINUM

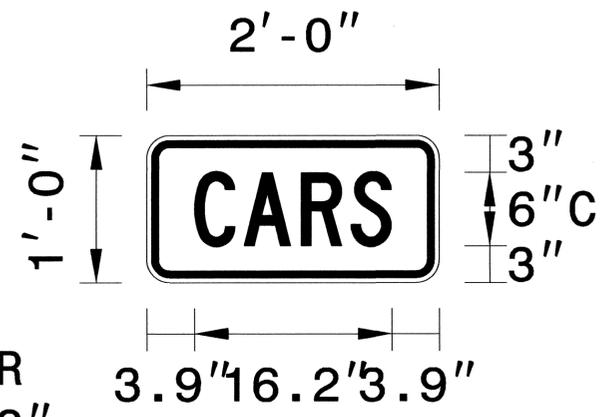
DESIGN BY: LLT
 PROJECT ID: R-4047

CHECKED BY: DHK
 DIV: 14

DATE: Dec 02, 2013

USE NOTES: 1,2

- Legend and border shall be direct applied non-reflective sheeting.
- Background shall be Grade B reflective sheeting.
- Shields shall be Grade B reflective sheeting on 0.032" (0.8mm) aluminum and demountable.



BORDER
 R=1.88"
 TH=0.38"
 IN=0.38"

Letter spacings are to start of next letter

Letter spacings are to start of next letter											Series/Size Text Length	
	C	A	R	S								C 2000
3.9	4.1	4.7	4.1	3.4	3.9							16.2

PLOT DRIVER: NCDOT.pdf_mono_eng_50.plt
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APPROVED:  DATE: 12/18/2013 		SPECIAL SIGN DESIGNS
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PHASING

PROJ. REFERENCE NO.	SHEET NO.
R-4047	TMP-3
 HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116	

NOTES:

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING PATTERN(S) AT THE END OF THE ALLOWABLE WORK PERIOD.

PAVE PROPOSED CONSTRUCTION, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES, UNLESS OTHERWISE NOTED IN THE PHASING, UNTIL STATED TO INSTALL THE FINAL LAYER OF SURFACE COURSE IN THE PHASING.

PHASE 1

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEPS 1 AND 2 SIMULTANEOUSLY.

STEP 1:

USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y5- (CARLEY ROAD), THEN AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEETS TMP-6 AND TMP-7 FOR DETAILS AND SHEET TMP-2K FOR DETOUR ROUTE)

- Y5- FROM STA. 14+80 +/- TO STA. 17+95 +/-
- DR2-

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF TEMPORARY PAVEMENT IN THE FOLLOWING LOCATIONS: (SEE SHEET TMP-6)

- L- STA. 41+66 +/- TO STA. 43+03 +/- (RT) (FOR PCB PLACEMENT)

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL #14-0833T1, THEN BEGIN CONSTRUCTION OF TEMPORARY PAVEMENT IN THE FOLLOWING LOCATIONS: (SEE SHEET TMP-6)

- L- STA. 47+58 +/- TO STA. 51+58 +/- (LT)

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AS NECESSARY, PLACE ASPHALT WEDGING IN THE FOLLOWING LOCATION, IN CONJUNCTION WITH WIDENING IN THIS AREA: (SEE SHEETS TMP-6)

- L- STA. 49+00 +/- TO STA. 53+66 +/-

NOTE: PLACE VARIABLE DEPTH WEDGING FROM THE EXISTING SURFACE TO THE FINAL SURFACE ELEVATION (NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE) FROM -L- STA. 49+00 +/- TO STA. 51+00 +/- (SEE CUT SECTION E-E ON SHEET TMP-2A).

NOTE: GRADE TEMPORARY SHOULDER (RT) TO WEDGING ELEVATION, AS REQUIRED.

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AS NECESSARY, BEGIN REMOVAL OF EXISTING CONCRETE ISLANDS AND CONSTRUCTION OF TEMPORARY PAVEMENT AT THE EXISTING RAMP B/LOOP B/ACCESS RD INTERSECTION. (SEE SHEET TMP-5)

NOTE: WEDGING SHOWN ON SHEET TMP-5 WILL BE COMPLETED IN PHASE 1, STEP 3 DURING A NIGHTLY LANE CLOSURE.

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEETS TMP-5 AND TMP-6)

- L- STA. 43+60 +/- TO STA. 46+44 +/-
- Y3- STA. 10+36 +/- TO STA. 14+76 +/-
- Y4- STA. 10+32 +/- TO STA. 18+65 +/- (INCLUDING RETAINING WALL)

AWAY FROM TRAFFIC, CLOSE BUSINESS PARKING AREA AND CONSTRUCT THE FOLLOWING: (SEE SHEET TMP-6)

- DR1- STA. 10+55 +/- TO STA. 11+31 +/- (UPON COMPLETION OF WORK, REOPEN PARKING AREA FOR BUSINESS TRAFFIC)

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, 3, AND 7 OF 15) AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNALS #14-0035T1 AND #14-0960T1, INSTALL TEMPORARY MARKINGS ON -L- (STA. 16+40 +/- TO STA. 22+49 +/-), THEN BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEETS TMP-4, TMP-5, AND TMP-7)

- L- STA. 16+86 +/- TO STA. 26+66 +/- (RT)
- L- STA. 17+40 +/- TO STA. 27+72 +/- (LT)
- RPC- STA. 10+00 +/- TO STA. 15+75 +/- (RT)
- RP- STA. 15+34 +/- TO STA. 15+60 +/- (LT)
- Y1- STA. 10+55 +/- TO STA. 14+64 +/- (LT)
- Y1- STA. 10+70 +/- TO STA. 15+39 +/- (RT)

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 2 AND 3 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEETS TMP-5 AND TMP-6)

- L- STA. 31+00 +/- TO STA. 39+25 +/- (RT)

AWAY FROM TRAFFIC, INSTALL SHORING ADJACENT TO EXISTING RAILROAD TRACKS. (SEE SHEET TMP-6 AND STRUCTURE PLANS)

WORKING IN A CONTINUOUS MANNER AND USING LANE CLOSURES (RSD 1101.02, SHEETS 4 AND 9 OF 15) CLOSE THE LEFT LANE OF US 74 EB (-Y2L1-/-Y2L2-), THEN BEGIN INSTALLATION OF THE LIGHTING WITHIN THE US 74 MEDIAN (FROM -Y2L1- STA. 14+00 +/- TO -Y2L2- STA. 20+00 +/-). (SEE SHEETS TMP-4 AND TMP-5, AND LOCAL NOTE LN-04)

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 2 DURING TWO (2) SEPARATE WEEKEND ROAD CLOSURES FROM 7:00 P.M. FRIDAY TO 7:00 A.M. MONDAY. REOPEN NC 209 TO THE EXISTING PATTERN FOLLOWING COMPLETION OF EACH WEEKEND CLOSURE. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 2:

USING RSD 1101.03, SHEETS 1 AND 2 OF 9, CLOSE AND DETOUR EXISTING NC 209, THEN COMPLETE SEWER INSTALLATION FROM MANHOLE "A1" (SL-1 STA. 0+00) TO MANHOLE "D1" (SL-1 STA. 7+24) (-L- STA. 40+00 +/- TO STA. 47+00 +/-) CONCURRENTLY WITH SEWER WORK, INSTALL PROPOSED 10" WATERLINE AND VALVES ADJACENT TO THE SEWER WITHIN THE EXISTING NC 209 ROADWAY. REPAIR ROADWAY AND REPLACE ASPHALT PAVEMENT PRIOR TO REOPENING TO TRAFFIC. (SEE UTILITY PLAN SHEET UC-6 FOR UTILITY DETAILS AND SHEET TMP-2N FOR DETOUR ROUTE)

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 3 DURING ONE (1) NIGHT ROAD CLOSURE FROM 8:00 P.M. TO 6:00 A.M. REOPEN EACH ROAD TO THE EXISTING PATTERN FOLLOWING COMPLETION OF THE NIGHT CLOSURE. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 3:

CLOSE AND DETOUR EXISTING RAMP B AND EXISTING LOOP B, AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) ON EXISTING ACCESS RD, COMPLETE REMOVAL OF EXISTING CONCRETE ISLANDS AND CONSTRUCTION OF TEMPORARY PAVEMENT AT THE EXISTING RAMP B/LOOP B/ACCESS RD INTERSECTION (-LPB- STA. 13+63 +/- TO STA. 17+42 +/-). PLACE ASPHALT WEDGING ALONG ACCESS RD AND THE EXISTING RAMPS AND LOOPS AS REQUIRED TO CREATE A SMOOTH TRANSITION AND POSITIVE DRAINAGE ACROSS EXISTING TRAVEL LANES. (SEE SHEET TMP-5 FOR LOCATION AND SHEETS TMP-2F AND TMP-2G FOR DETOURS)

STEP 4:

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AS NECESSARY, PLACE TEMPORARY ANCHORED PCB FROM -L- STA. 41+90 +/- TO STA. 42+81 +/- (RT), THEN AWAY FROM TRAFFIC BEGIN CONSTRUCTION OF -RR- FROM STA. 16+50 +/- TO STA. 28+75 +/-, INCLUDING BRIDGE OVER -L-. (SEE SHEET TMP-6 AND LOCAL NOTE LN-05)

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 3 OF 15), AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF AND COVER TEMPORARY SIGNAL #14-0833T2. (SEE SHEET TMP-10)

STEP 5:

COMPLETE CONSTRUCTION OF -Y5- AND -DR2-, BEGUN EARLIER, THEN OPEN -DR2- AND -Y5- FROM STA. 14+80 +/- TO STA. 17+95 +/- TO THE FINAL PATTERN, THEN USING RSD 1101.03, SHEETS 1 AND 2 OF 9, CLOSE AND DETOUR -Y5- FROM STA. 10+50 +/- TO 14+80 +/- (SEE SHEET TMP-10 FOR TEMPORARY MARKING AND SHEET TMP-2L FOR DETOUR ROUTE) ONCE -Y5- HAS BEEN OPENED IN THIS STEP, WORK MAY BEGIN ON -RR- FROM STA. 14+50 +/- TO 16+50 +/- AND ON -Y5- FROM STA 10+50 +/- TO 14+80 +/-.

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AS NECESSARY, COMPLETE CONSTRUCTION OF TEMPORARY PAVEMENT FROM -L- STA. 47+58 +/- TO STA. 51+58 +/- (LT) AND PLACE PCB AS SHOWN ON DETAIL. (SEE SHEET TMP-10)

STEP 6:

WORKING IN A CONTINUOUS MANNER AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 3, AND 7 OF 15), AND LAW ENFORCEMENT AS NECESSARY, PLACE TEMPORARY PAVEMENT MARKINGS ON -L- FROM STA. 34+00 +/- TO STA. 41+00 +/-, THEN SHIFT TRAFFIC TO THE TEMPORARY PATTERN. (SEE SHEETS TMP-9 AND TMP-10)

WORKING IN A CONTINUOUS MANNER AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15), AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL #14-0833T2, PLACE TEMPORARY PAVEMENT MARKINGS ON -L- FROM STA. 47+03 +/- TO STA. 52+40 +/-, THEN SHIFT TRAFFIC TO THE TEMPORARY PATTERNS. (SEE SHEET TMP-10)

USING LANE CLOSURES (RSD 1101.02, SHEETS 4, 9, AND 10 OF 15) CLOSE THE RIGHT LANE OF US 74 WB (-Y2L-/-Y2L2-), THEN INSTALL TEMPORARY MARKINGS ON EXISTING RAMP B / US 74 WB (FROM -Y2L- STA. 15+00 +/- TO -Y2L2- STA. 15+12 +/-) AND SHIFT TRAFFIC TO THE TEMPORARY PATTERN. UPON COMPLETION OF TRAFFIC SHIFT, INSTALL PCB ON US 74 FROM -Y2L- STA. 15+00 +/- TO -Y2L2- STA. 13+71+/- (SEE SHEETS TMP-8, TMP-9, AND TMP-12)

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEPS 7 - 12 SIMULTANEOUSLY.

STEP 7:

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 2 AND 3 OF 15), AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-10)

- L- STA. 39+00 +/- TO STA. 42+45 +/- (RT)
- L- STA. 48+29 +/- TO STA. 54+00 +/- (RT)

NOTE: PLACE WEDGING TO FINAL ELEVATION (NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE) ON -L- FROM STA. 50+00 +/- TO STA. 51+00 +/-, AS NECESSARY.

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1, 3, AND 7 OF 15), AS NECESSARY, PLACE ASPHALT WEDGING FROM -L- STA. 31+00 +/- TO STA. 39+00 +/- IN CONJUNCTION WITH THE WIDENING IN THIS AREA. (SEE SHEETS TMP-9 AND TMP-10)

NOTE: PLACE VARIABLE DEPTH WEDGING FROM FINAL SURFACE ELEVATION (NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE) TO EXISTING SURFACE FROM -L- STA. 39+00 +/- TO STA. 41+00 +/- (LT) (SEE CUT SECTIONS B-B AND B1-B1 ON SHEET TMP-2)

NOTE: REMOVE EXISTING CURB AND GUTTER (LT), AND GRADE TEMPORARY SHOULDER TO WEDGING ELEVATION, AS REQUIRED.

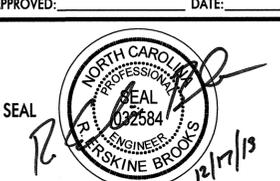
AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 3 OF 15), AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF AND COVER TEMPORARY SIGNAL #14-0833T3. (SEE SHEET TMP-15)

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 8 DURING SIXTY (60) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES, AND LOCAL NOTE LN-08.)

STEP 8:

DETOUR AND CLOSE EXISTING ACCESS ROAD (SOUTH ENTRANCE), THEN COMPLETE CONSTRUCTION OF -Y4-, INCLUDING INCLUDING BARRIER BETWEEN -Y4- AND -RPB- AND TIE TO EXISTING NC 209 (-L- STA. 37+77 +/- TO STA. 38+89 +/- LT). (SEE SHEETS TMP-2H FOR DETOUR ROUTE, TMP-8 THRU TMP-10 FOR DETAILS, AND LOCAL NOTE LN-01)

UPON COMPLETION, INSTALL TEMPORARY PAVEMENT MARKINGS ON -Y4- IN THE FINAL AND TEMPORARY PATTERN, THEN OPEN TO TRAFFIC IN THE TRAFFIC PATTERN SHOWN. (SEE SHEETS TMP-18 THRU TMP-20)

APPROVED: _____ DATE: _____	 DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	TEMPORARY TRAFFIC CONTROL PHASING
 SEAL SKINSKE BROOKS ENGINEER 022584 12/17/13		

PLOT DRIVER: NCDOT_pdf_memo_eng_50.plt
 USER: erbrooks
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 REVISIONS
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 TIME: 12/17/2013 12:02:10 PM

PHASING

PROJ. REFERENCE NO.	SHEET NO.
R-4047	TMP-3A
 HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116	

THE CONTRACTOR SHALL NOT BEGIN PHASE 1, STEP 9 UNTIL AFTER BEGINNING PHASE 1, STEP 8 (CLOSURE OF EXISTING ACCESS ROAD, SOUTH ENTRANCE).

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 9 DURING ONE (1) NIGHTLY ROAD CLOSURE FROM 8:00 P.M. TO 6:00 A.M.. REOPEN EACH ROAD TO THE TEMPORARY PATTERN FOLLOWING COMPLETION OF THE WORK. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 9:

CLOSE AND DETOUR EXISTING LOOP B AND EXISTING RAMP B, THEN INSTALL TEMPORARY SIGNS, RELOCATE EXISTING SIGNS AS REQUIRED, PLACE DEVICES, PCB, AND TEMPORARY MARKINGS, AS SHOWN ON SHEET TMP-9, THEN OPEN TO THE TEMPORARY PATTERN.

STEP 10:

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING:
(SEE SHEETS TMP-8, TMP-9, AND TMP-12)

- Y2L- STA. 15+00 +/- TO STA. 23+24 +/-
- RPB- STA. 10+00 +/- TO STA. 20+88 +/-

NOTE: WORK CANNOT BEGIN ON -RPB- FROM STA. 16+50 +/- TO STA. 19+00 +/- UNTIL COMPLETING PHASE 1, STEP 9.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 11 FROM 8:00 PM SUNDAY UNTIL 6:00 AM ON THE SECOND SUNDAY FOLLOWING IMPLEMENTATION OF THE CLOSURE. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES, AND LOCAL NOTES LN-06 AND LN-07.)

STEP 11:

DETOUR AND CLOSE -Y8-, PLACE TEMPORARY SIGNAL #14-0833T2 ON FLASH, THEN CONSTRUCT THE FOLLOWING: (SEE SHEET TMP-10A)

- L- STA. 46+44 +/- TO STA. 48+29 +/- (RT)
- Y8- STA. 10+00 +/- TO STA. 13+45 +/-

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15), PLACE TEMPORARY ASPHALT WEDGING ON -L- FROM STA. 46+37 +/- TO STA. 48+50 +/-, AS NECESSARY IN CONJUNCTION WITH THE WORK IN THIS AREA.
(SEE SHEET TMP-10A FOR DETAILS AND SHEET TMP-2M FOR DETOUR ROUTE)

UPON COMPLETION, USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15), AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL #14-0833T3, INSTALL TEMPORARY PAVEMENT MARKINGS, AND THEN OPEN -Y8- TO THE TEMPORARY PATTERN AS SHOWN ON SHEET TMP-15.

STEP 12:

AWAY FROM TRAFFIC, COMPLETE CONSTRUCTION OF NSRR (-RR-) BRIDGE OVER NC 209, BEGUN EARLIER IN PHASE 1 AND ALL PROPOSED TRACK WORK AS SHOWN IN THE RAIL PLANS, INCLUDING TIE-INS TO EXISTING RAIL (-RR- STA. 10+00 +/- TO STA. 14+50 +/- AND -RR- STA. 28+75 +/- TO STA. 34+40 +/-), THEN SHIFT RAIL TRAFFIC TO THE FINAL ALIGNMENT.

USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, 3 AND 7 OF 15), AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF TEMPORARY SIGNALS #14-0833T4 AND #14-0836T1. (SEE SHEETS TMP-19 AND TMP-20)

STEP 13:

USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, 3 AND 7 OF 15), AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF FINAL SIGNALS #14-0035, #14-0754, AND #14-0960.

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF -L- FROM STA. 42+43 +/- TO STA. 43+60 +/- (SEE SHEET TMP-15)

THE CONTRACTOR SHALL COMPLETE WORK IN PHASE 1, STEPS 14 AND 15 CONCURRENTLY. THE WORK SHALL BE COMPLETED IN A MANNER SO THAT ALL WORK IN PHASE 1, STEPS 14 AND 15 IS COMPLETED AND OPENED TO THE FINAL TRAFFIC PATTERN SIMULTANEOUSLY.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 14 IN SEVEN (7) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES, AND LOCAL NOTE LN-02.)

STEP 14:

WORKING IN A CONTINUOUS MANNER AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 3 AND 7 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL #14-0035T2, THEN DETOUR AND CLOSE -RPC- AND -RPD-. (SEE SHEETS TMP-13 FOR DETAILS, AND SHEETS TMP-2D AND TMP-2E FOR DETOUR ROUTES)

UPON CLOSURE OF -RPC- AND -RPD-, AWAY FROM TRAFFIC AND USING LANE AND SHOULDER CLOSURES (RSD 1101.02, SHEET 4 OF 15 AND RSD 1101.04) ON US 74 EB, AS NECESSARY, COMPLETE ALL WORK, INCLUDING CONCRETE ISLANDS, ON -RPC- AND -RPD-. (SEE SHEET TMP-13)

STEP 15:

USING FLAGGERS AND NIGHTLY LANE CLOSURES FROM 8:00 P.M TO 6:00 A.M (RSD 1101.02, SHEETS 1 - 3 AND 7 OF 15), AND LAW ENFORCEMENT AS NECESSARY, COMPLETE CONSTRUCTION PREVIOUSLY BEGUN IN THESE AREAS IN CONJUNCTION WITH ASPHALT WEDGING IN THE FOLLOWING LOCATIONS:
(SEE SHEETS TMP-13, TMP-14, AND TMP-16, AND SEE LOCAL NOTE LN-03)

- L- STA. 16+50 +/- TO STA. 27+72 +/-
- Y1- STA. 10+53 +/- TO STA. 14+50 +/-

UPON COMPLETION OF ASPHALT WEDGING, WORKING IN A CONTINUOUS MANNER AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, 3 AND 7 OF 15), AND LAW ENFORCEMENT AS NECESSARY, PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -L- STA. 16+50 +/- TO 27+72 +/-, -RPC-, -RPD-, AND -Y1- (SEE SHEETS TMP-18, TMP-19, AND TMP-21), COMPLETE INSTALLATION OF AND ACTIVATE FINAL SIGNAL #14-0035, THEN REOPEN THE -L-/-RPC-/-RPD-/-Y1- INTERSECTION AND PLACE TRAFFIC IN THE FINAL PATTERN.

STEP 16:

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1, 2 AND 3 OF 15) AS NECESSARY, COMPLETE CONSTRUCTION, AND PLACE AS MUCH OF THE TEMPORARY MARKING AS POSSIBLE, OF THE FOLLOWING:
(SEE SHEETS TMP-14 AND TMP-15)

- L- STA. 31+00 +/- TO STA. 54+00 +/- (RT)
- Y5- STA. 10+50 +/- TO STA. 14+80 +/-

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 3 AND 4 OF 15 AND RSD 1101.04) AS NECESSARY, COMPLETE CONSTRUCTION OF THE FOLLOWING, BEGUN EARLIER IN PHASE 1:
(SEE SHEETS TMP-18, TMP-19 AND TMP-22)

- Y2L- STA. 15+00 +/- TO STA. 23+24 +/-
- RPB- STA. 10+00 +/- TO STA. 20+88 +/-

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEPS 17 - 19 IN SEVEN (7) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 17:

USING RSD 1101.03, SHEETS 1 AND 2 OF 9, DETOUR AND CLOSE EXISTING PARAGON PARKWAY AND PLACE EXISTING SIGNAL #14-0836 ON FLASH, THEN AWAY FROM TRAFFIC AND USING LANE CLOSURES (RSD 1101.02, SHEET 3 OF 15) AS NECESSARY, CONSTRUCT THE FOLLOWING: (SEE SHEETS TMP-14 AND TMP-17 FOR DETAILS, AND SHEET TMP-2J FOR DETOUR ROUTE)

- L- STA. 27+80 +/- TO STA. 31+00 +/- (RT)
- Y2- STA. 10+70 +/- TO STA. 11+95 +/- (LT)
- Y3-, INCLUDING CONCRETE ISLANDS AND WORK THAT HAD BEGUN PREVIOUSLY

STEP 18:

USING FLAGGERS AND NIGHTLY LANE CLOSURES FROM 8:00 P.M TO 6:00 A.M (RSD 1101.02, SHEETS 3 AND 7 OF 15), COMPLETE ASPHALT WEDGING ON -L- FROM STA. 27+72 +/- TO STA. 31+00 +/- IN CONJUNCTION WITH THE WORK IN THIS AREA.
(SEE SHEET TMP-14 AND TMP-17)

STEP 19:

WORKING IN A CONTINUOUS MANNER AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, 3 AND 7 OF 15) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNALS #14-0833T4 AND #14-0836T1, INSTALL AND ACTIVATE TEMPORARY SIGNAL #14-0960T2, PLACE TEMPORARY PAVEMENT MARKINGS IN THE TEMPORARY AND/OR FINAL PATTERNS AS SHOWN ON SHEETS TMP-19 THRU TMP-22, THEN SHIFT TRAFFIC TO THE PHASE 2 PATTERN IN THE FOLLOWING LOCATIONS:

- L- STA. 27+72 +/- TO STA. 54+00 +/-
- Y3-
- Y5-

NOTE: WHEN TRAFFIC IS SHIFTED TO THE PHASE 2 PATTERN AND -Y3- IS PLACED ON ITS FINAL ALIGNMENT, USING RSD 1101.03, SHEET 1 OF 9, CLOSE EXISTING LOOP B AND RAMP B AS SHOWN ON SHEETS TMP-19, TMP-2F AN TMP-2G AND PROCEED DIRECTLY TO PHASE 2, STEPS 1 AND 2.

NOTE: CONCURRENTLY WITH PHASE 1, STEP 19, COMPLETE CONSTRUCTION OF -Y4- AND OPEN TO TRAFFIC AS NOTED IN PHASE 1, STEP 8 AND LOCAL NOTE LN-08. UPON OPENING OF -Y4- AND SHIFTING OF NC 209 TRAFFIC TO THE TEMPORARY PATTERN ON -L- IN PHASE 2, USING RSD 1101.03, SHEETS 1 AND 2 OF 9, DETOUR AND CLOSE -Y6-. (SEE SHEET TMP-2I FOR DETOUR ROUTE)

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 TIME: 12/02/12 PM
 DATE: 12/17/2013
 REVISIONS

APPROVED: _____	DATE: _____
	
TEMPORARY TRAFFIC CONTROL PHASING	

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REVISIONS

PROJ. REFERENCE NO.	SHEET NO.
R-4047	TMP-3B
 HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116	

PHASING

PHASE 2

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 2, STEPS 1 - 3 SIMULTANEOUSLY.

THE CONTRACTOR SHALL BEGIN WORK IN PHASE 2, STEPS 1 AND 2 SIMULTANEOUSLY.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 2, STEP 1 IN SEVEN (7) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 1:

WITH -RPB- CLOSED, AWAY FROM TRAFFIC AND USING LANE AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 3 AND 4 OF 15 AND RSD 1101.04) AS NECESSARY, COMPLETE CONSTRUCTION OF THE FOLLOWING, INCLUDING CONCRETE ISLANDS: (SEE SHEET TMP-19 FOR DETAILS AND SHEET TMP-2G FOR DETOUR ROUTE)

- -RPB-
- -L- STA. 33+46 +/- TO STA. 34+44 +/- (LT)

UPON COMPLETION, WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING LANE AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 1, 3, 4, AND 7 OF 15 AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, REMOVE PCB ALONG US 74 WB, PLACE TEMPORARY PAVEMENT MARKINGS IN THE TEMPORARY AND/OR FINAL PATTERN AS SHOWN ON SHEET TMP-23, TMP-24, AND TMP-26. INSTALL AND ACTIVATE TEMPORARY SIGNAL #14-0836T2, THEN PLACE TRAFFIC IN THE TEMPORARY AND FINAL PATTERNS.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 2, STEP 2 IN THIRTY (30) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

STEP 2:

WITH -LPB- CLOSED, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 3 AND 4 OF 15 AND RSD 1101.04) AS NECESSARY, CONSTRUCT THE FOLLOWING, INCLUDING CONCRETE ISLANDS: (SEE SHEETS TMP-18 AND TMP-19 FOR DETAILS AND SHEET TMP-2F FOR DETOUR ROUTE)

- -LPB-
- -L- STA. 32+26 +/- TO STA. 33+46 +/- (LT)
- -Y2L2- STA. 12+36 +/- TO STA. 20+39 +/- (LT)

UPON COMPLETION, WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING LANE AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 1, 3, 4, AND 7 OF 15 AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, PLACE TEMPORARY PAVEMENT MARKINGS IN THE TEMPORARY AND/OR FINAL PATTERN AS SHOWN ON SHEET TMP-27. INSTALL AND ACTIVATE TEMPORARY SIGNAL #14-0836T3, THEN PLACE TRAFFIC IN THE TEMPORARY AND FINAL PATTERNS.

STEP 3:

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES, AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 1, 2, 3, AND 4 OF 15 AND RSD 1101.04) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEETS TMP-18 - TMP-20)

- -L- STA. 27+72 +/- TO STA. 32+26 +/- (LT)
- -L- STA. 34+44 +/- TO STA. 37+77 +/- (LT)
- -L- STA. 38+89 +/- TO STA. 42+43 +/- (LT)
- -L- STA. 46+44 +/- TO STA. 51+29 +/- (LT)
- -DR1- STA. 10+00 +/- TO STA. 10+56 +/-

NOTE: PLACE WEDGING TO FINAL ELEVATION (NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE) ON -L- FROM STA. 50+00 +/- TO STA. 51+29 +/-, AS NECESSARY.

AWAY FROM TRAFFIC AND USING FLAGGERS (RSD 1101.02, SHEET 1 OF 15) AS NECESSARY, COMPLETE CONSTRUCTION OF -Y6- AND TIE-IN TO -L-. UPON COMPLETION, REOPEN -Y6- TO THE FINAL PATTERN AS SHOWN ON SHEETS TMP-20 AND TMP-25. (SEE LOCAL NOTE LN-01)

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF FINAL SIGNALS #14-0833 AND #14-0836+.

STEP 4:

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES, (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE CONSTRUCTION ON -L- FROM STA. 46+44 +/- TO STA. 49+35 +/- AND -DR1-, THEN INSTALL AND ACTIVATE TEMPORARY SIGNAL #14-0833T5, PLACE TEMPORARY MARKINGS IN THE TEMPORARY PATTERN AT THE -L-/-Y8-/-DR1- INTERSECTION, THEN OPEN -DR1- AND THE DRIVEWAY AT -L- STA. 48+90 +/- (LT) TO TRAFFIC IN TEMPORARY PATTERN SHOWN ON SHEET TMP-25.

STEP 5:

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AS NECESSARY, CONSTRUCT -L- FROM STA. 51+29 +/- TO STA. 54+00 +/- (LT) (SEE SHEET TMP-24), AND COMPLETE CONSTRUCTION OF ALL WORK ON ALL ROADS PREVIOUSLY BEGUN.

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 - 3 AND 7 OF 15), AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND COVER FINAL SIGNALS #14-0754, #14-0833, #14-0836, AND #14-0960.

STEP 6:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, STEPS 1 - 3 AND 7 OF 15), AND LAW ENFORCEMENT AS NECESSARY, PLACE TEMPORARY PAVEMENT MARKINGS IN THE FINAL PATTERN, THEN SHIFT ALL TRAFFIC TO THE FINAL PATTERN AND ACTIVATE ALL FINAL SIGNALS.

PHASE 3

STEP 1:

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 7 OF 15) AS NECESSARY, CONSTRUCT ALL REMAINING CONCRETE ISLANDS ON -L- AND -Y1-.

STEP 2:

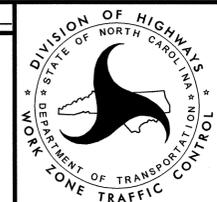
USING FLAGGERS, LANE CLOSURES (RSD 1101.02, ALL SHEETS), AND LAW ENFORCEMENT AS NECESSARY, PLACE FINAL LAYER OF ASPHALT SURFACE COURSE ON ALL ROADS. PLACE TEMPORARY PAVEMENT MARKINGS IN THE FINAL PATTERN UNTIL COMPLETION OF ALL PAVING OPERATIONS.

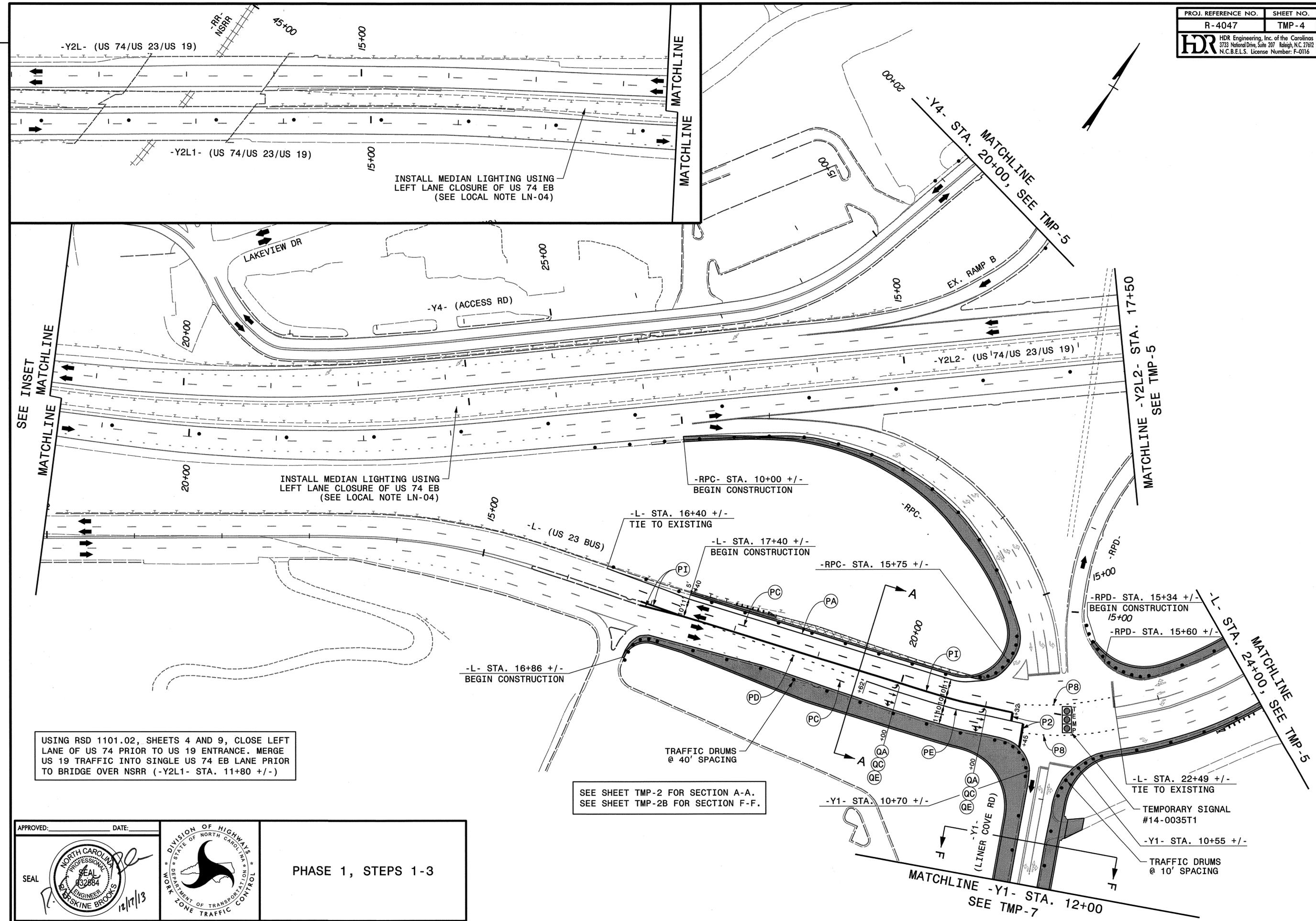
STEP 3:

USING FLAGGERS, LANE CLOSURES (RSD 1101.02, ALL SHEETS), AND LAW ENFORCEMENT AS NECESSARY, PLACE ALL FINAL PAVEMENT MARKINGS AND MARKERS, THEN OPEN ALL LANES TO THE FINAL PATTERN.

STEP 4:

REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES.

APPROVED: _____ DATE: _____			TEMPORARY TRAFFIC CONTROL PHASING
			



USING RSD 1101.02, SHEETS 4 AND 9, CLOSE LEFT LANE OF US 74 PRIOR TO US 19 ENTRANCE. MERGE US 19 TRAFFIC INTO SINGLE US 74 EB LANE PRIOR TO BRIDGE OVER NSRR (-Y2L1- STA. 11+80 +/-)

SEE SHEET TMP-2 FOR SECTION A-A.
SEE SHEET TMP-2B FOR SECTION F-F.

PLOT DRIVER: NCD01_pdf_mono_eng_50.plt
 USER: erbrooks
 DATE: 12/17/2013
 TIME: 4:31:45 PM
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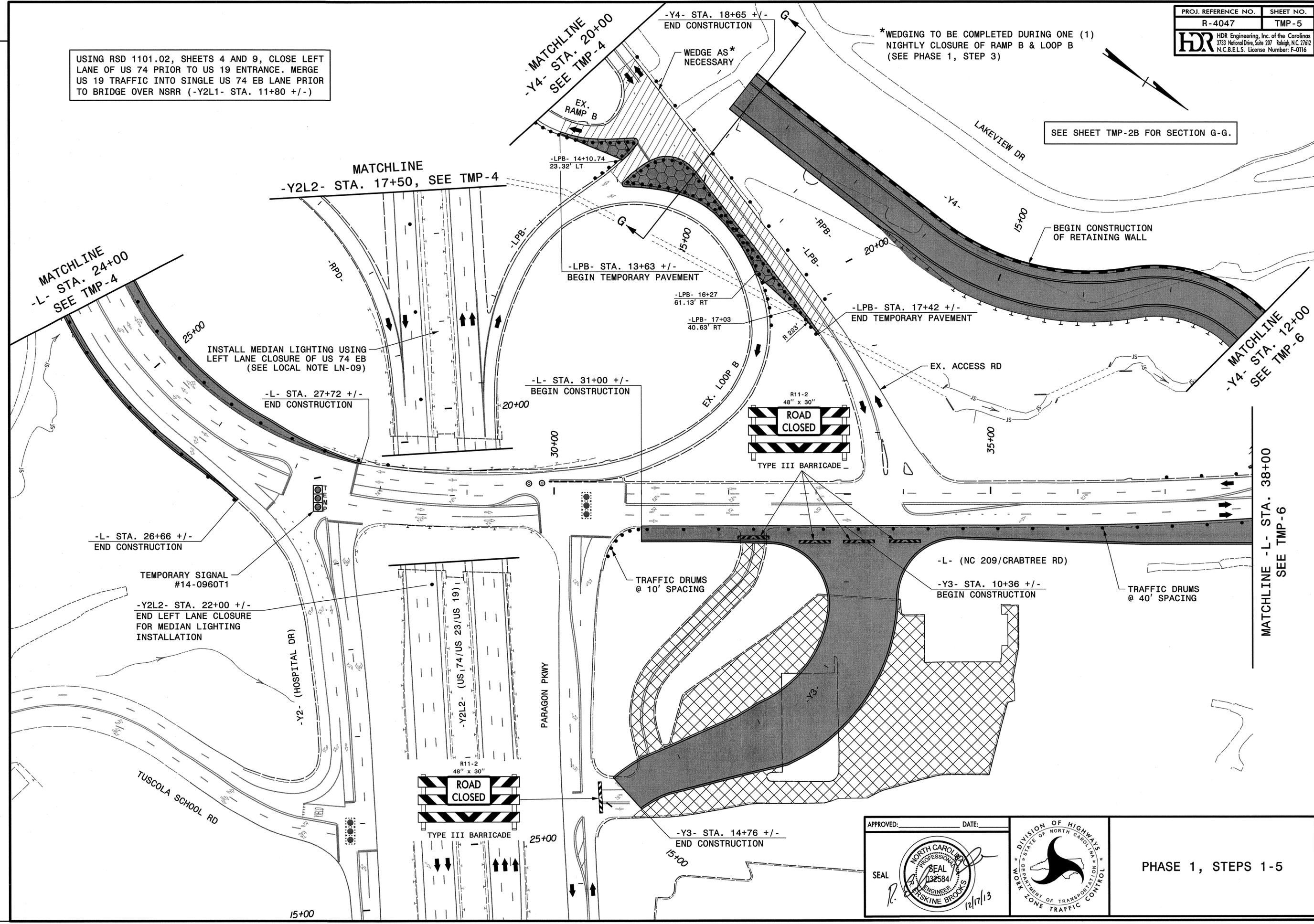
REVISIONS

APPROVED: _____	DATE: _____
	
PHASE 1, STEPS 1-3	

USING RSD 1101.02, SHEETS 4 AND 9, CLOSE LEFT LANE OF US 74 PRIOR TO US 19 ENTRANCE. MERGE US 19 TRAFFIC INTO SINGLE US 74 EB LANE PRIOR TO BRIDGE OVER NSRR (-Y2L1- STA. 11+80 +/-)

*WEDGING TO BE COMPLETED DURING ONE (1) NIGHTLY CLOSURE OF RAMP B & LOOP B (SEE PHASE 1, STEP 3)

SEE SHEET TMP-2B FOR SECTION G-G.



MATCHLINE
-L- STA. 24+00
SEE TMP-4

MATCHLINE
-Y4- STA. 20+00
SEE TMP-4

MATCHLINE
-Y2L2- STA. 17+50, SEE TMP-4

MATCHLINE
-Y4- STA. 12+00
SEE TMP-6

MATCHLINE -L- STA. 38+00
SEE TMP-6

-L- STA. 26+66 +/-
END CONSTRUCTION

TEMPORARY SIGNAL
#14-0960T1

-Y2L2- STA. 22+00 +/-
END LEFT LANE CLOSURE
FOR MEDIAN LIGHTING
INSTALLATION

-L- STA. 31+00 +/-
BEGIN CONSTRUCTION

30+00



-L- (NC 209/CRABTREE RD)
-Y3- STA. 10+36 +/-
BEGIN CONSTRUCTION

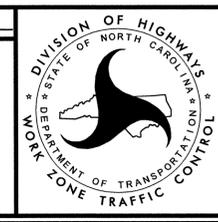
TRAFFIC DRUMS @ 40' SPACING

-Y3- STA. 14+76 +/-
END CONSTRUCTION

APPROVED: _____ DATE: _____



SEAL
12/17/13

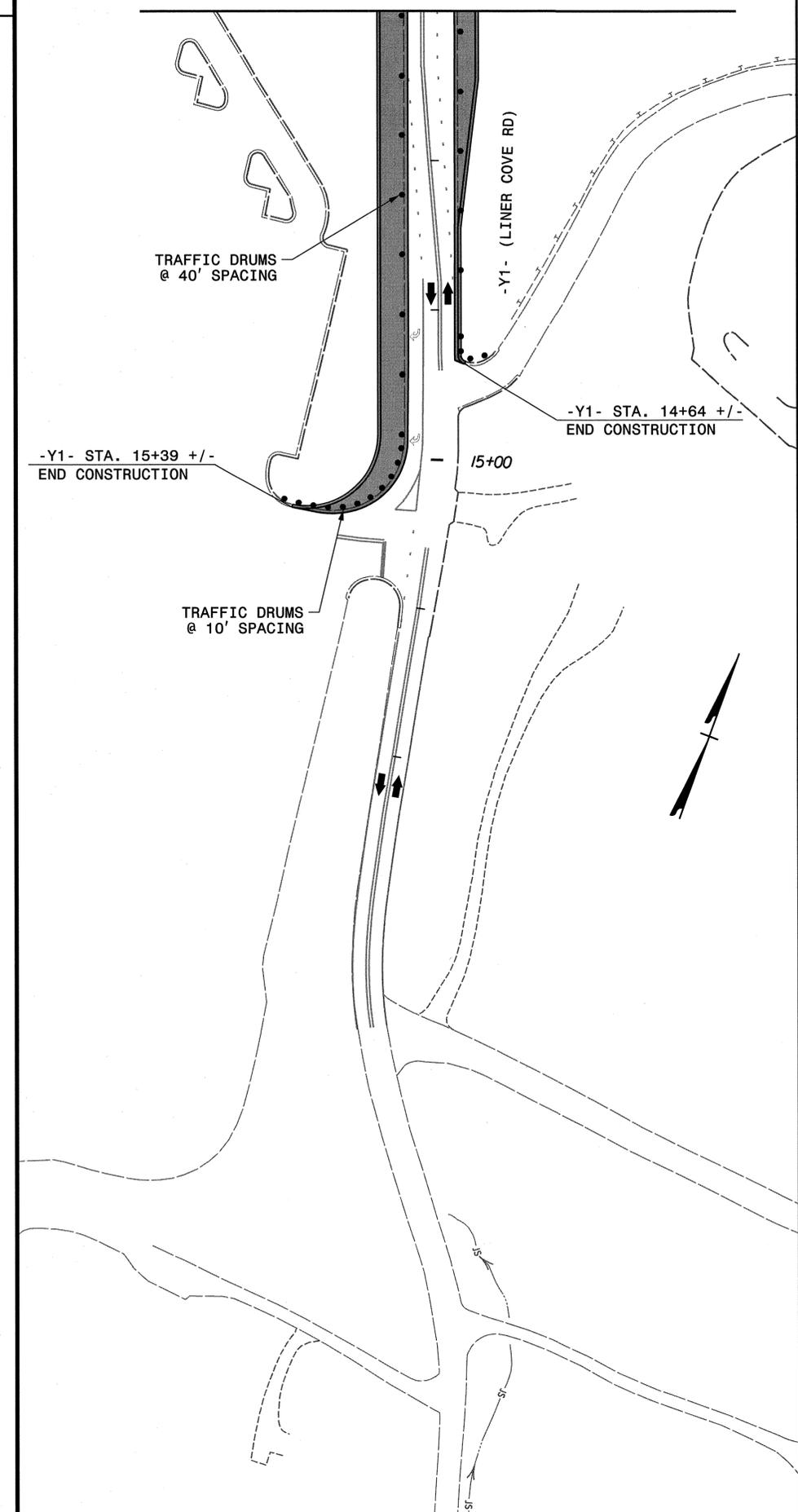


PHASE 1, STEPS 1-5

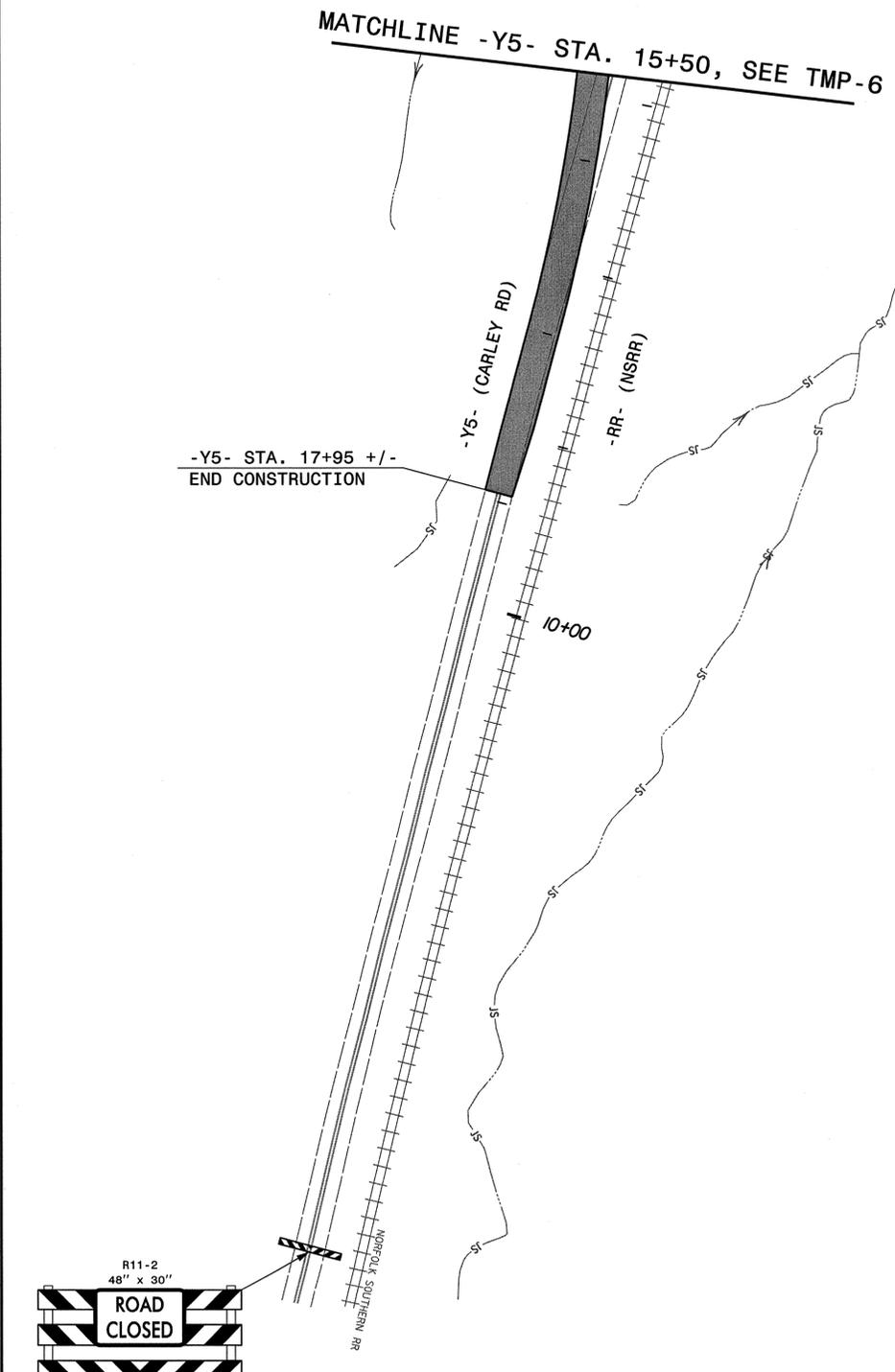
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REVISIONS

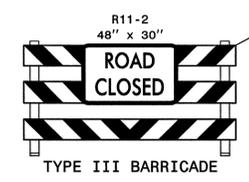
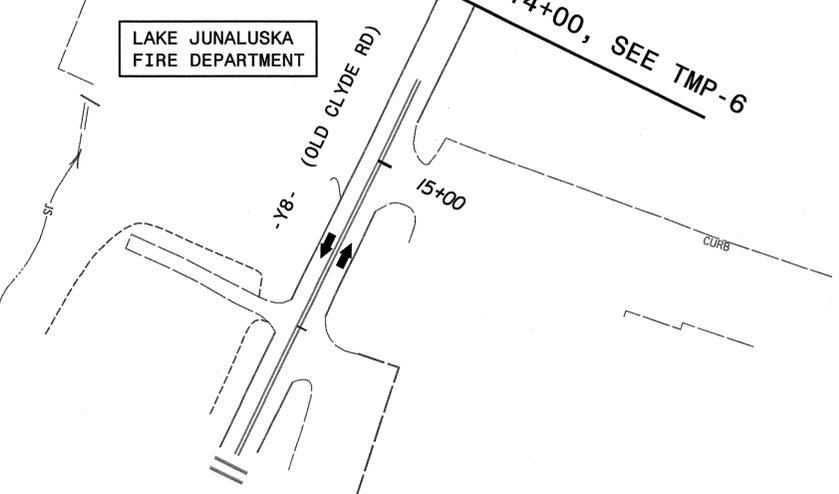
MATCHLINE -Y1- STA. 12+00, SEE TMP-4



MATCHLINE -Y5- STA. 15+50, SEE TMP-6



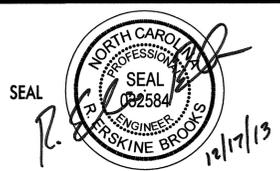
MATCHLINE -Y8- STA. 14+00, SEE TMP-6



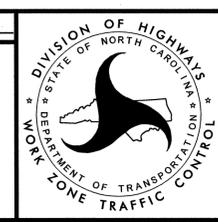
PLACE BARRICADE APPROX.
400' FROM RAILROAD CROSSING

APPROVED: _____ DATE: _____

SEAL



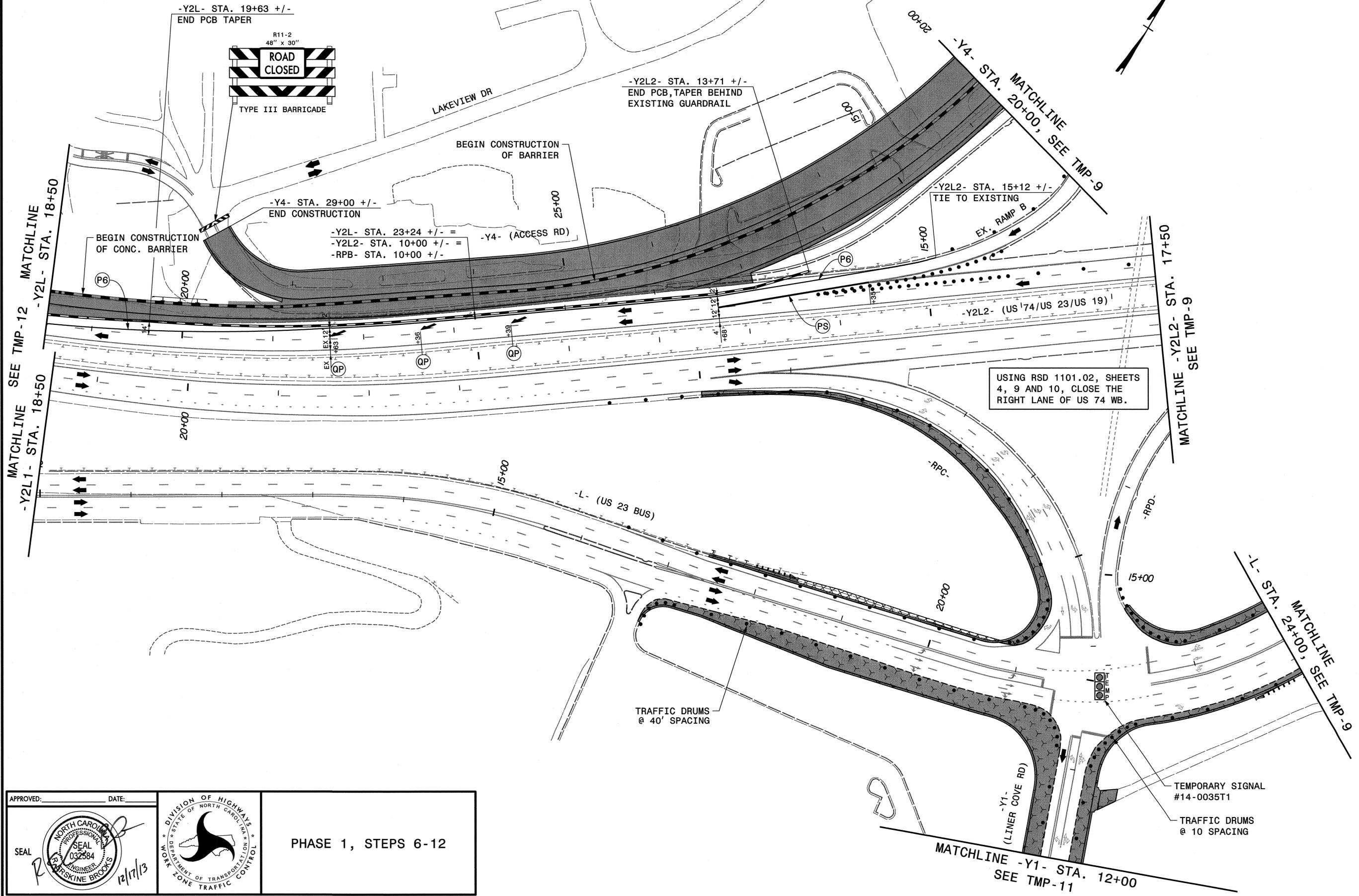
12/17/13



PHASE 1, STEPS 1-5

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REVISIONS



APPROVED: _____ DATE: _____

SEAL



12/17/13

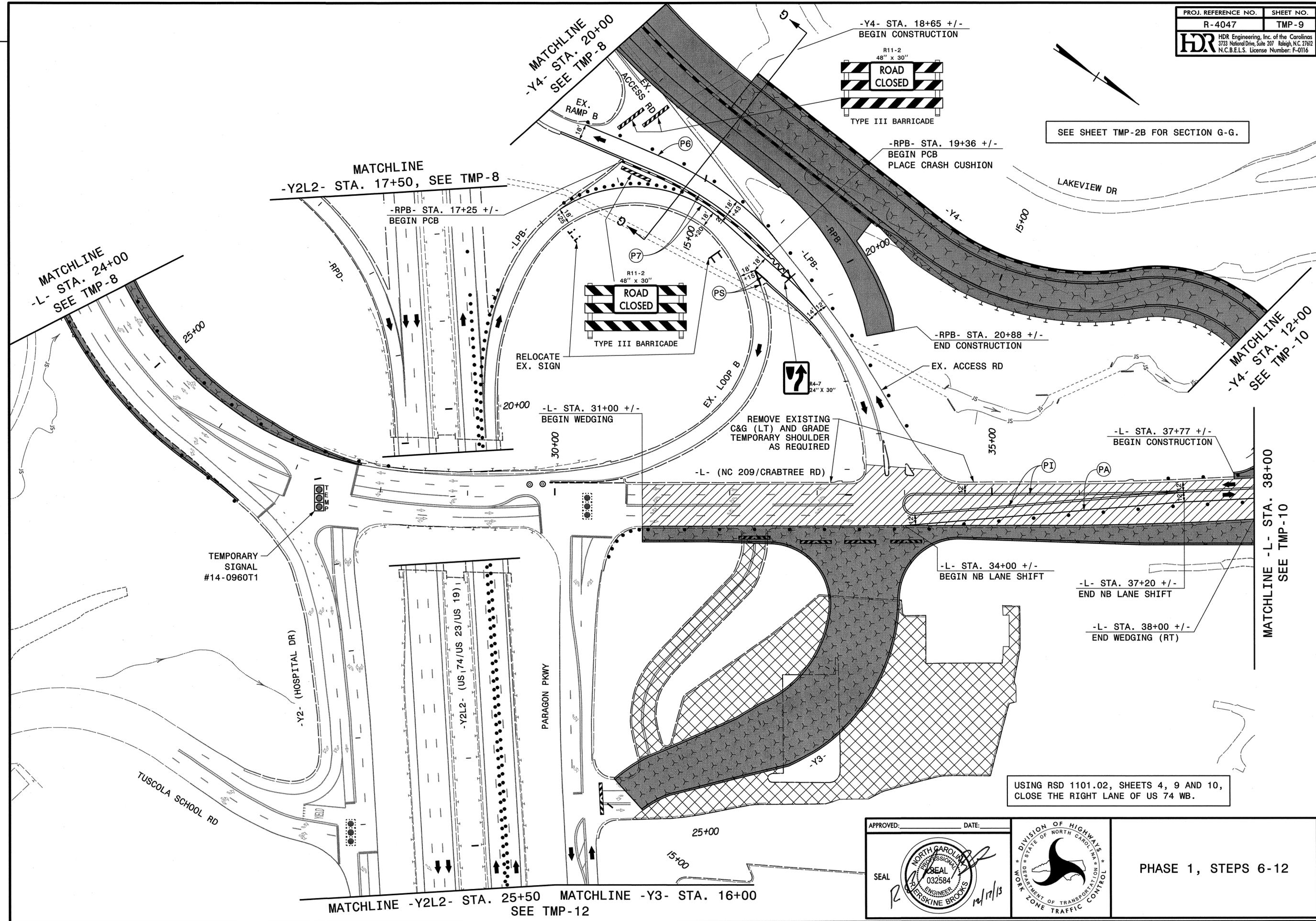


PHASE 1, STEPS 6-12

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REVISIONS

SEE SHEET TMP-2B FOR SECTION G-G.

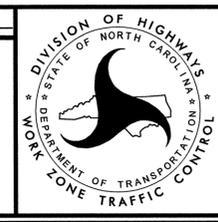


REVISIONS

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APPROVED: _____ DATE: _____

SEAL

PHASE 1, STEPS 6-12

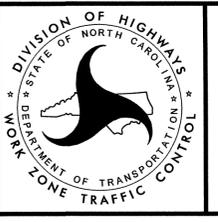
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REVISIONS

COMPLETE RAILROAD TIE-IN CONSTRUCTION
 -RR- STA. 28+75 +/- TO STA. 34+40 +/-

APPROVED: _____ DATE: _____

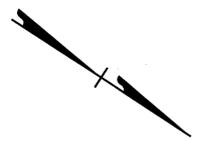
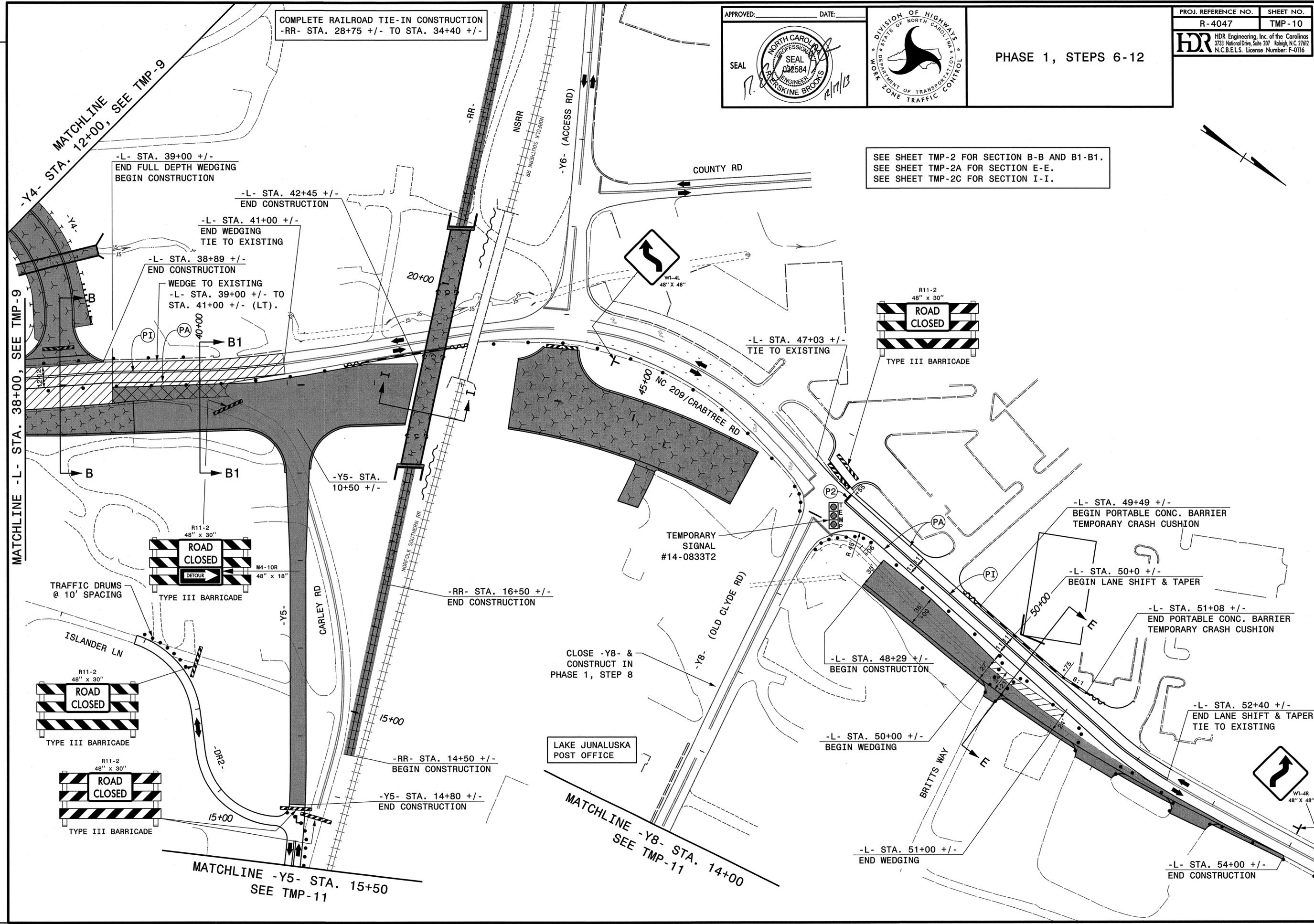
SEAL

PHASE 1, STEPS 6-12

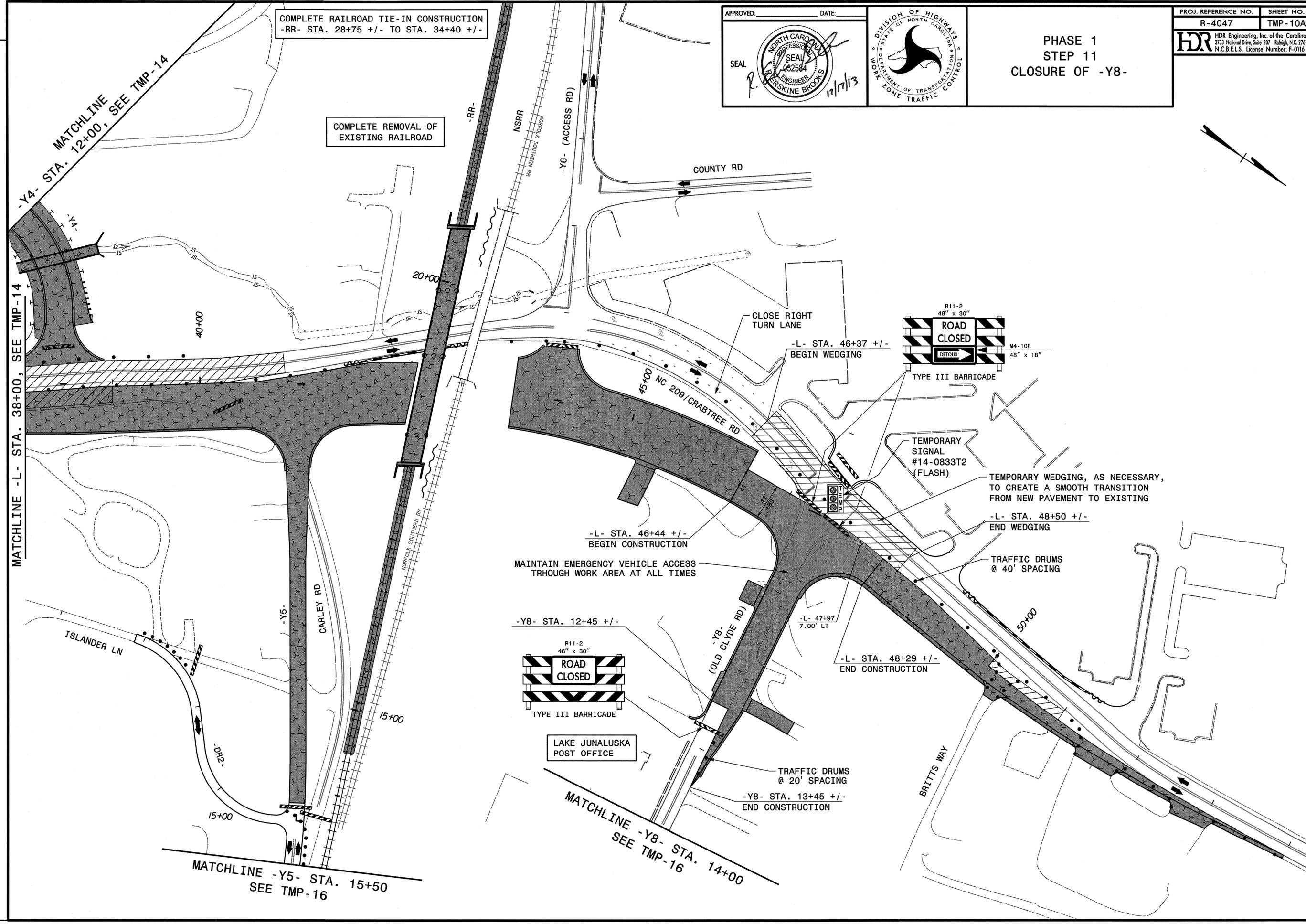
PROJ. REFERENCE NO.	SHEET NO.
R-4047	TMP-10
HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.E.L.S. License Number: F-0116	

SEE SHEET TMP-2 FOR SECTION B-B AND B1-B1.
 SEE SHEET TMP-2A FOR SECTION E-E.
 SEE SHEET TMP-2C FOR SECTION I-I.



PLOT DRIVER: NCDOT_pdf_mono_eng_50.plt
 USER: erbrooks
 FILE: pw:\PWAPP\TPA01\SouthEast_Tampa\Documents\North Carolina\Dept_of_Transportation\2013_Mobility_Safety_LSA_M\NCDOT_R_4047_Sign_PM_To_5_C.06.00_Project_Design\N-4047_TrafficControl\TOPAR-4047_TMP-TMP-10A

REVISIONS

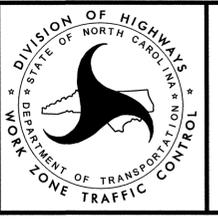


COMPLETE RAILROAD TIE-IN CONSTRUCTION
 -RR- STA. 28+75 +/- TO STA. 34+40 +/-

COMPLETE REMOVAL OF
 EXISTING RAILROAD

APPROVED: _____ DATE: _____

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 082584
 P. BERSKINE BROOKS
 12/17/13



PHASE 1
 STEP 11
 CLOSURE OF -Y8-

PROJ. REFERENCE NO.	SHEET NO.
R-4047	TMP-10A
HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207, Raleigh, N.C. 27612 N.C.E.L.S. License Number: F-0116	

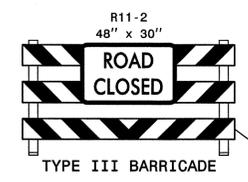
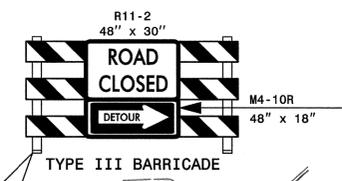


MATCHLINE -L- STA. 38+00, SEE TMP-14

MATCHLINE -Y4- STA. 12+00, SEE TMP-14

MATCHLINE -Y5- STA. 15+50
 SEE TMP-16

MATCHLINE -Y8- STA. 14+00
 SEE TMP-16



TEMPORARY WEDGING, AS NECESSARY,
 TO CREATE A SMOOTH TRANSITION
 FROM NEW PAVEMENT TO EXISTING

-L- STA. 48+50 +/-
 END WEDGING

TRAFFIC DRUMS
 @ 40' SPACING

MAINTAIN EMERGENCY VEHICLE ACCESS
 THROUGH WORK AREA AT ALL TIMES

-Y8- STA. 12+45 +/-

-L- STA. 46+44 +/-
 BEGIN CONSTRUCTION

-L- STA. 46+37 +/-
 BEGIN WEDGING

-L- STA. 48+29 +/-
 END CONSTRUCTION

TRAFFIC DRUMS
 @ 20' SPACING

-Y8- STA. 13+45 +/-
 END CONSTRUCTION

-L- 47+97
 7.00' LT

LAKE JUNALUSKA
 POST OFFICE

-Y8-
 (OLD CLYDE RD)

COUNTY RD

NC 209 / CRABTREE RD

CARLEY RD

BRITTS WAY

NSRR

-RR-

ISLANDER LN

-DR2-

15+00

40+00

20+00

15+00

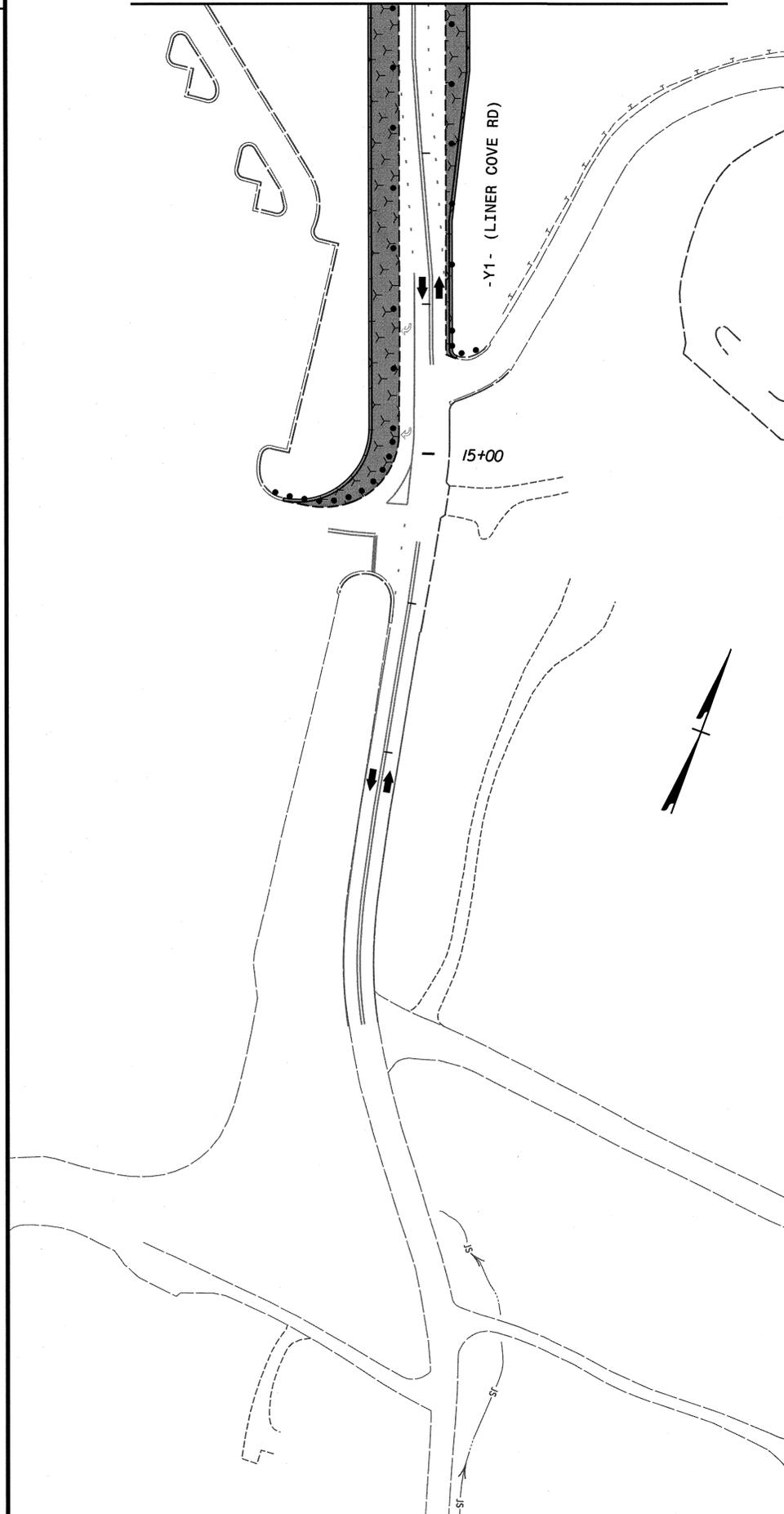
-Y6- (ACCESS RD)

50+00

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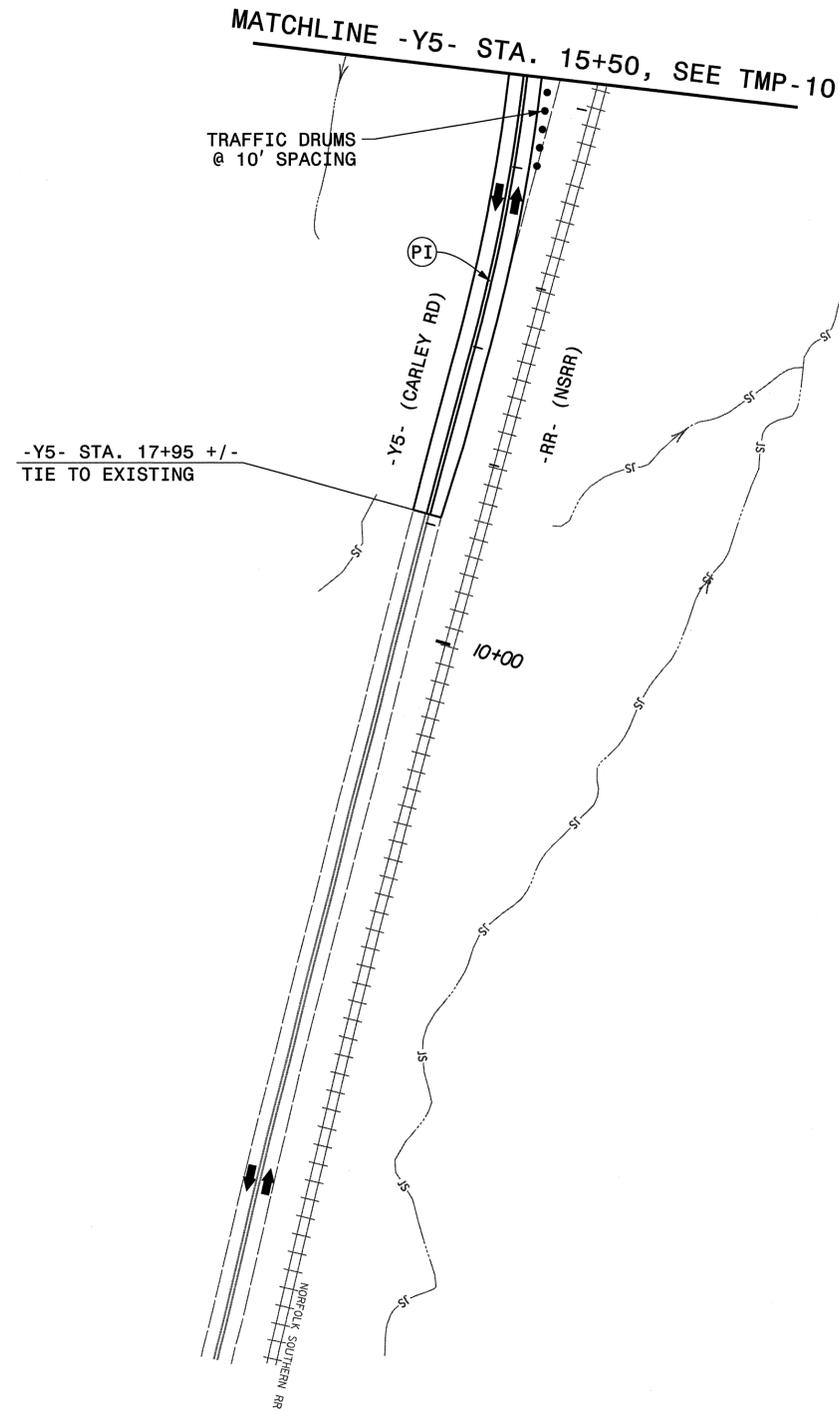
REVISIONS

MATCHLINE -Y1- STA. 12+00, SEE TMP-8



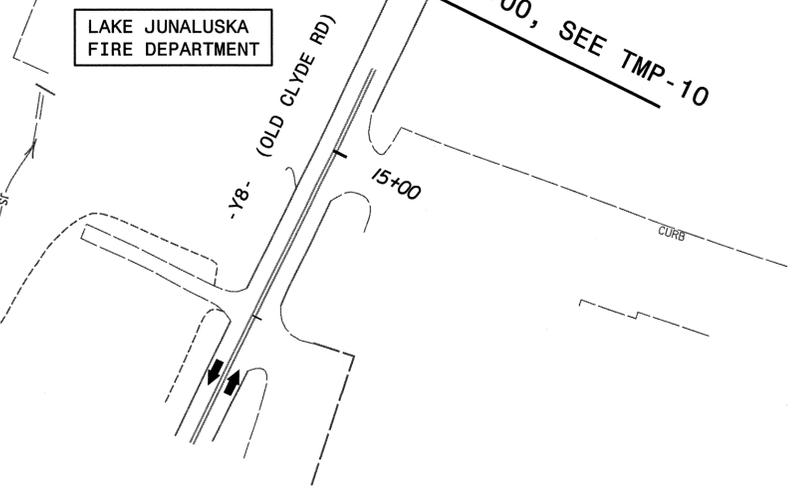
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R-4047	TMP-11
 HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116	

MATCHLINE -Y5- STA. 15+50, SEE TMP-10



LAKE JUNALUSKA
FIRE DEPARTMENT

MATCHLINE -Y8- STA. 14+00, SEE TMP-10



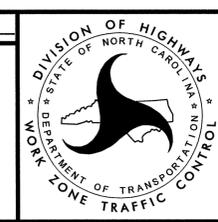
-Y5- STA. 17+95 +/-
TIE TO EXISTING

APPROVED: _____ DATE: _____

SEAL



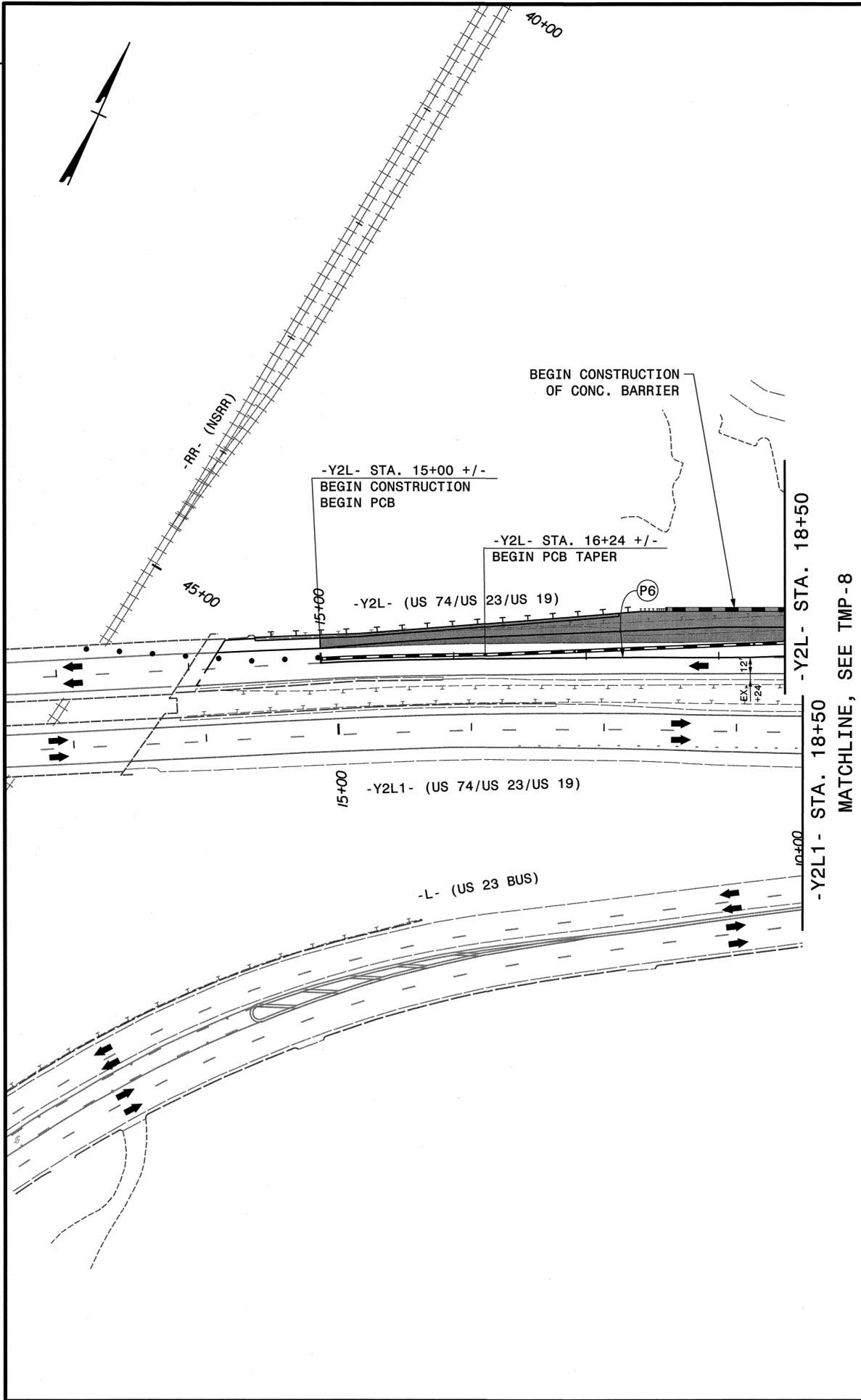
12/17/13



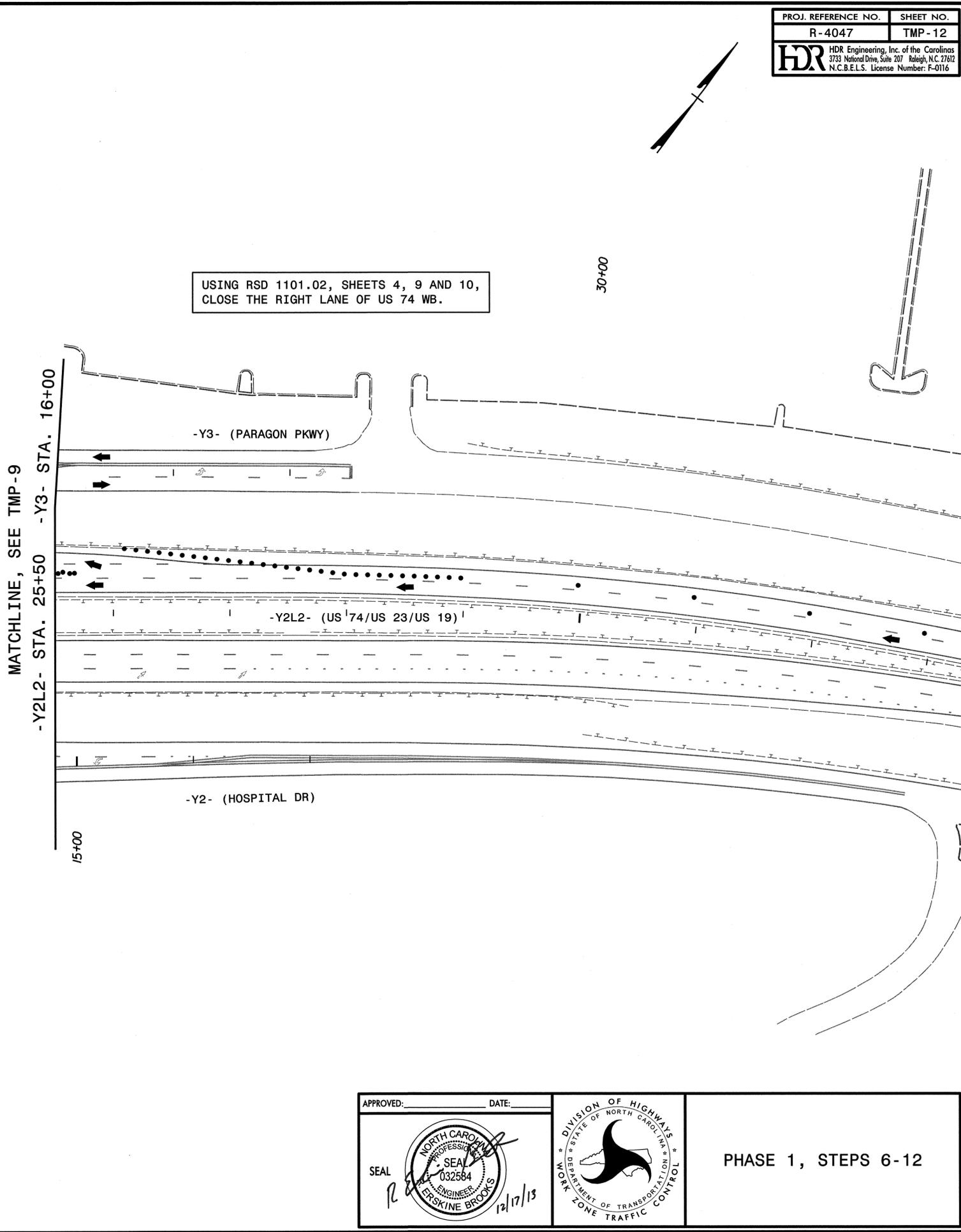
PHASE 1, STEPS 6-12

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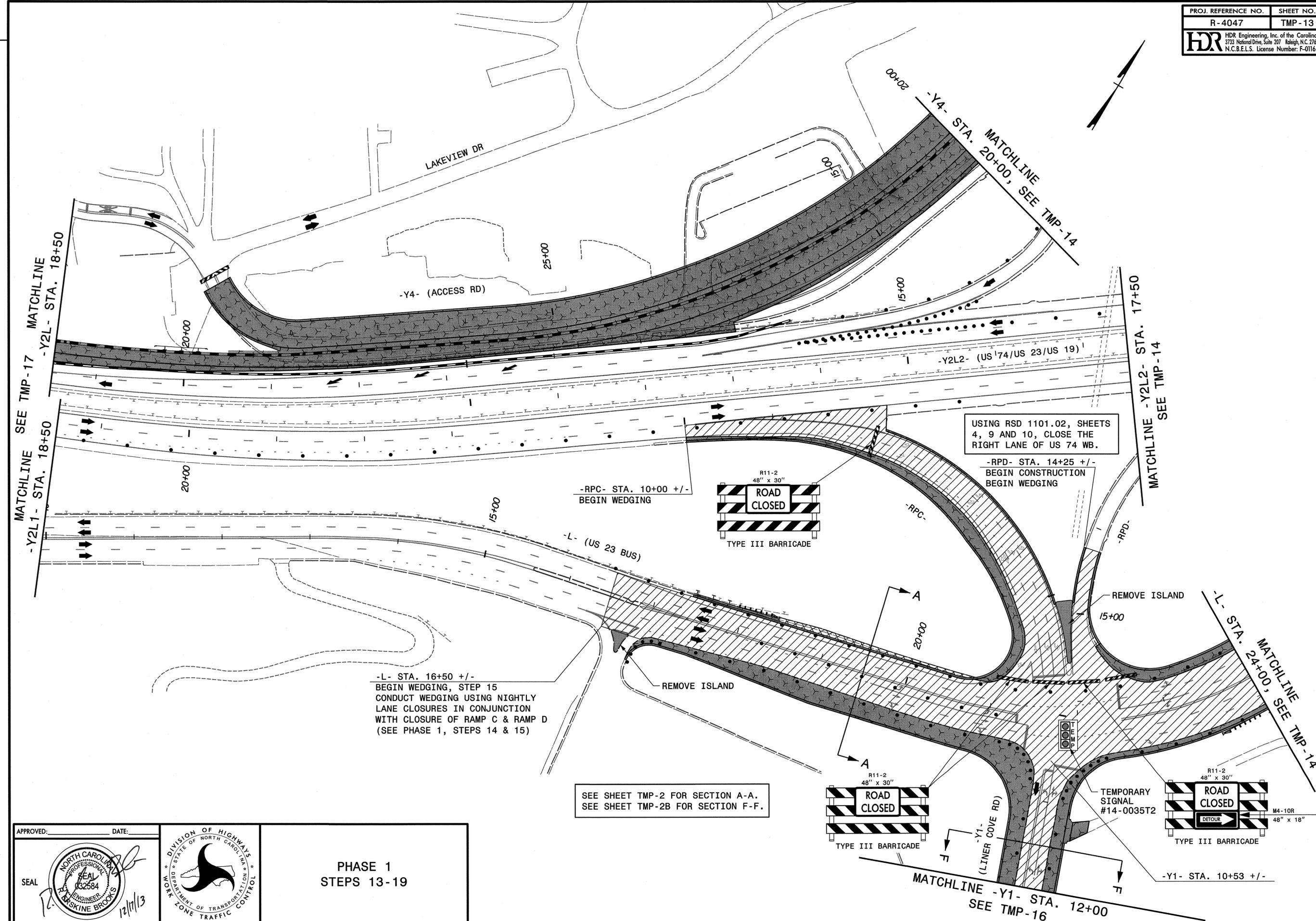
REVISIONS



PROJ. REFERENCE NO.	SHEET NO.
R-4047	TMP-12
HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116	



APPROVED:	DATE:	DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL	PHASE 1, STEPS 6-12
ERSKINE BROOKS 12/17/13			



USING RSD 1101.02, SHEETS 4, 9 AND 10, CLOSE THE RIGHT LANE OF US 74 WB.

-RPD- STA. 14+25 +/- BEGIN CONSTRUCTION BEGIN WEDGING

-RPC- STA. 10+00 +/- BEGIN WEDGING

-L- STA. 16+50 +/- BEGIN WEDGING, STEP 15 CONDUCT WEDGING USING NIGHTLY LANE CLOSURES IN CONJUNCTION WITH CLOSURE OF RAMP C & RAMP D (SEE PHASE 1, STEPS 14 & 15)

SEE SHEET TMP-2 FOR SECTION A-A.
SEE SHEET TMP-2B FOR SECTION F-F.

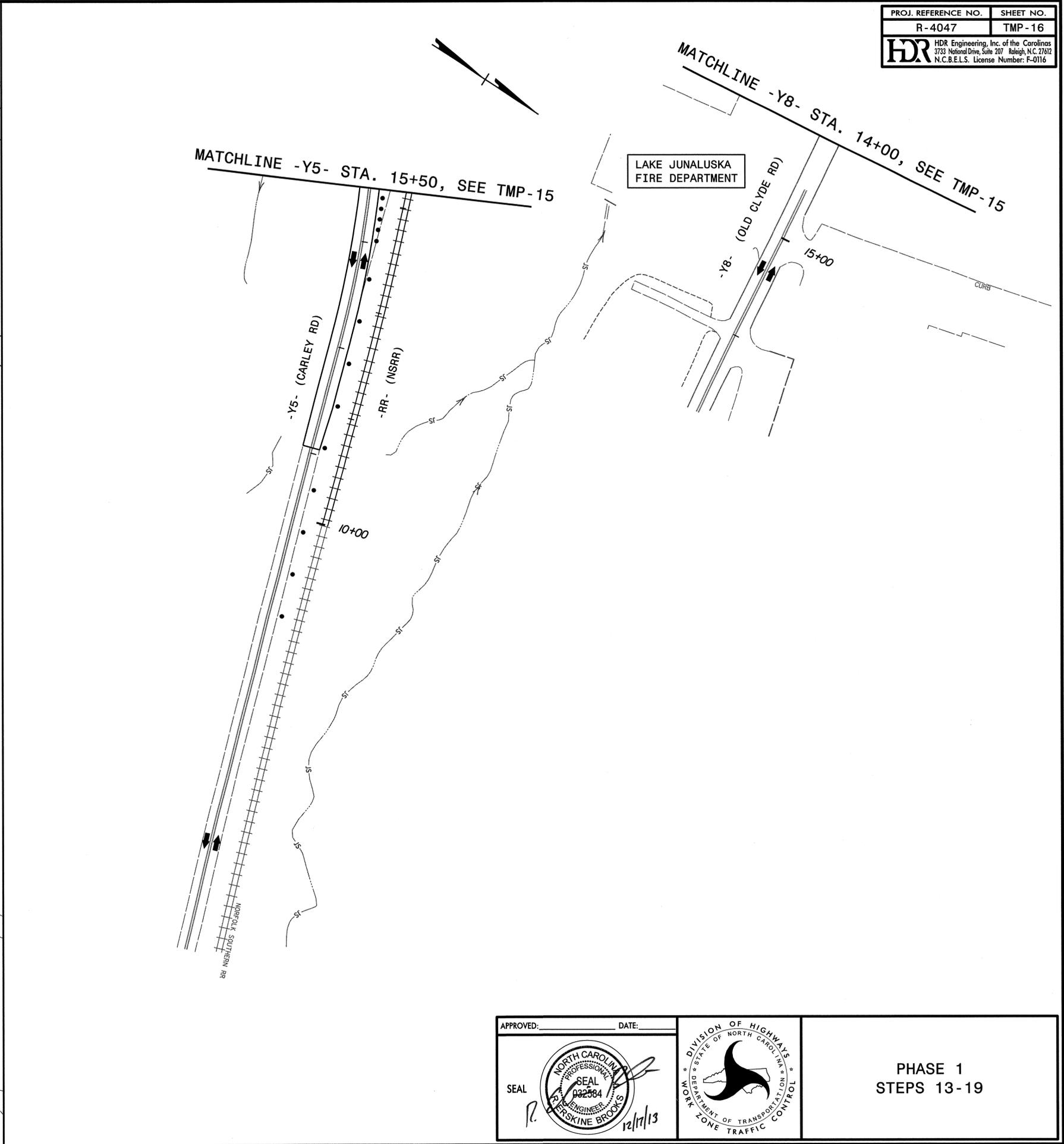
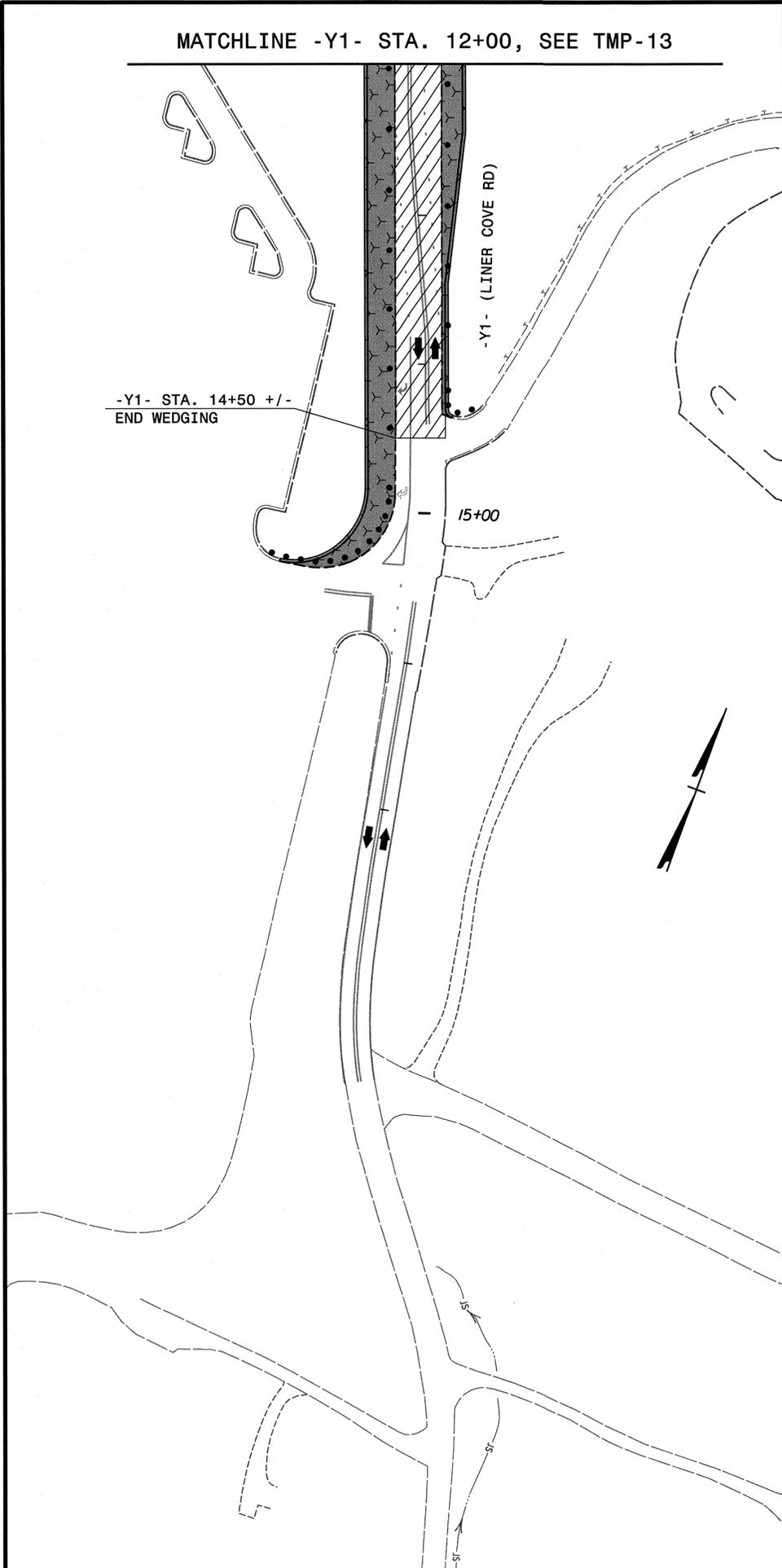
APPROVED:	DATE:
	12/17/13
	
PHASE 1 STEPS 13-19	

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REVISIONS

PLOT DRIVER: NCDOT_pdf_mono_eng_50.plt
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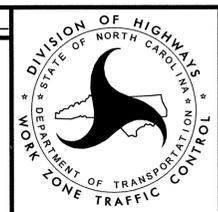
REVISIONS



PROJ. REFERENCE NO.	SHEET NO.
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HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116	

APPROVED: _____ DATE: _____

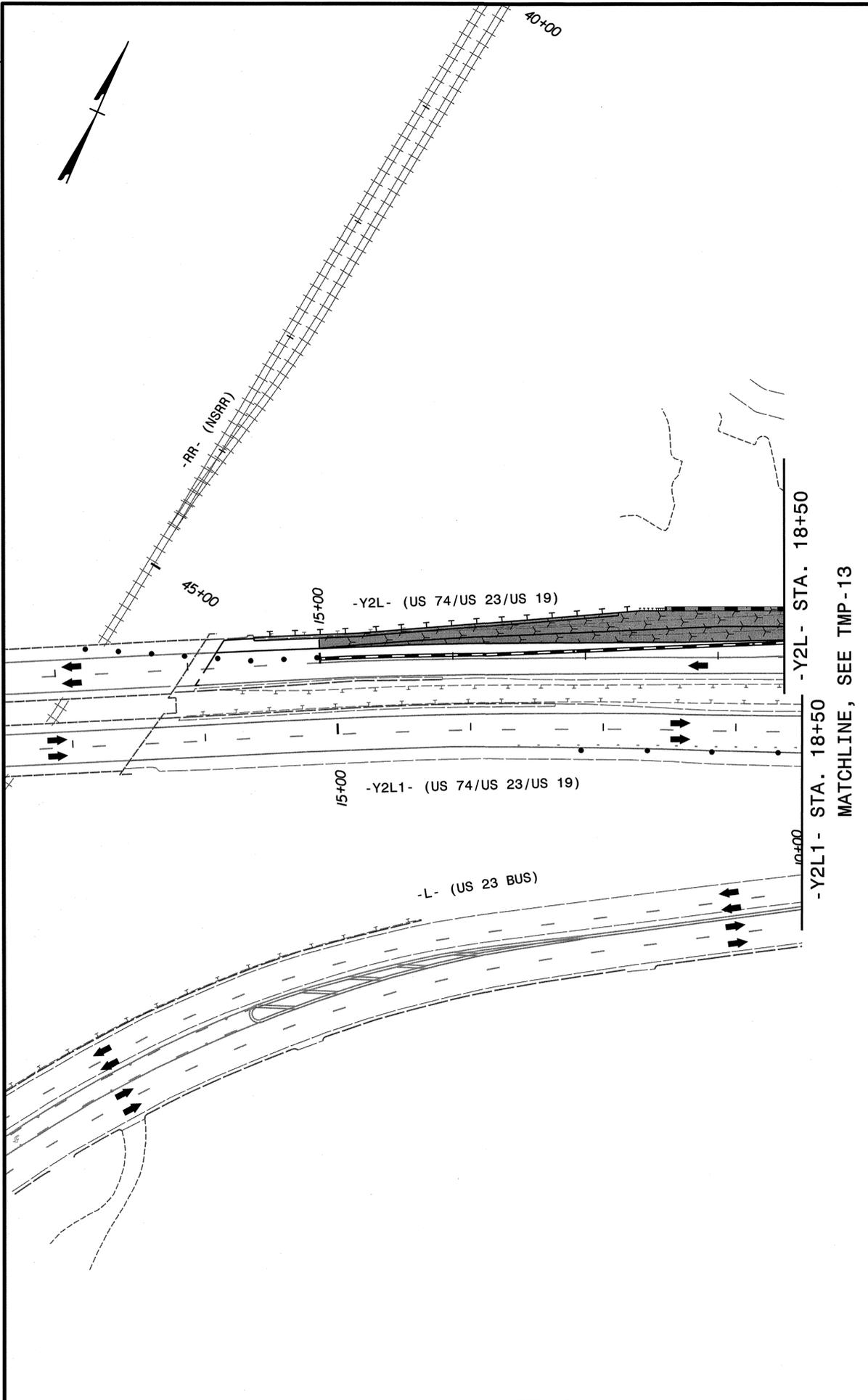
SEAL



PHASE 1
 STEPS 13-19

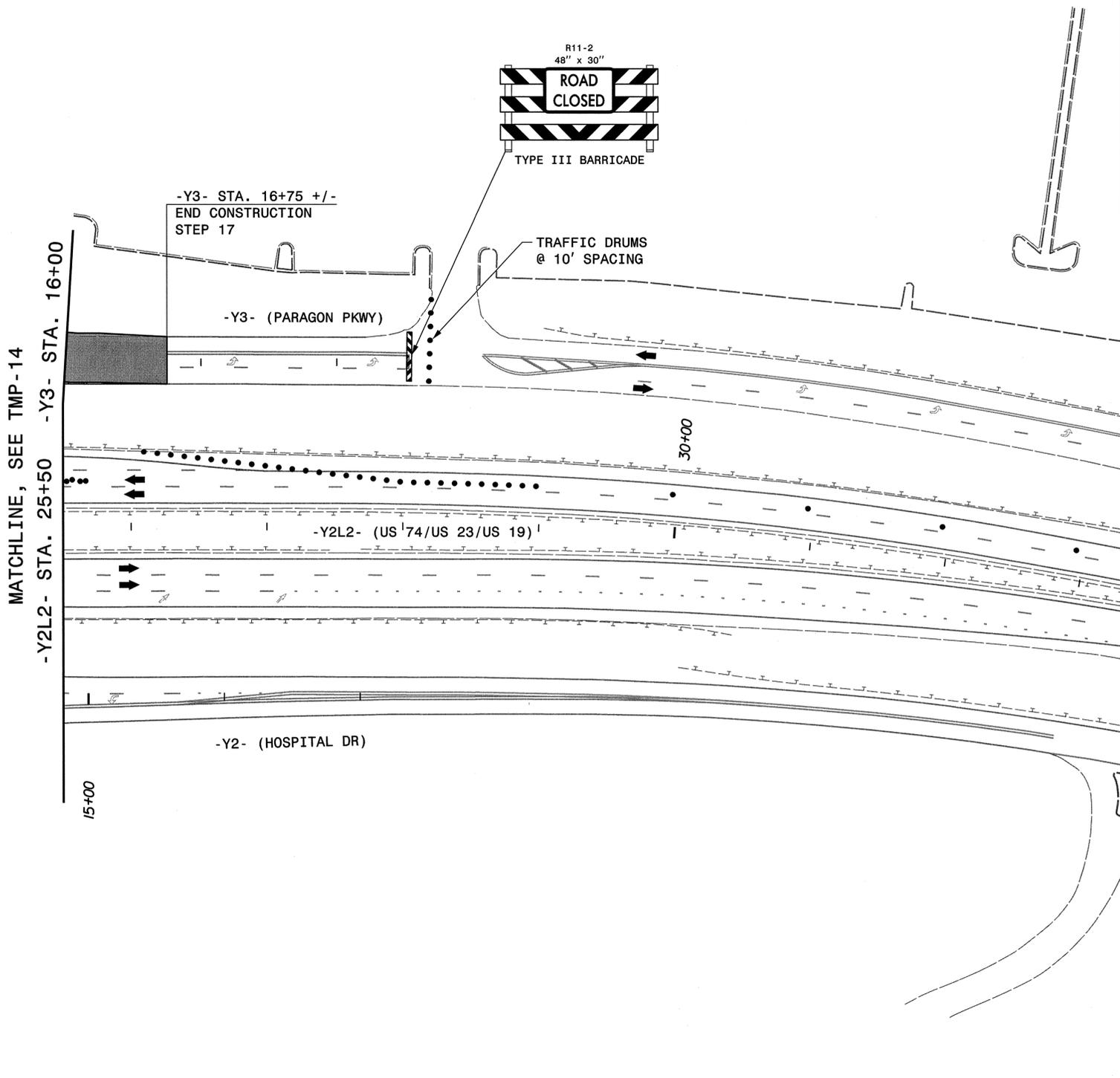
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REVISIONS



USING RSD 1101.02, SHEETS 4, 9 AND 10,
 CLOSE THE RIGHT LANE OF US 74 WB.

PROJ. REFERENCE NO.	SHEET NO.
R-4047	TMP-17
HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.E.L.S. License Number: F-0116	



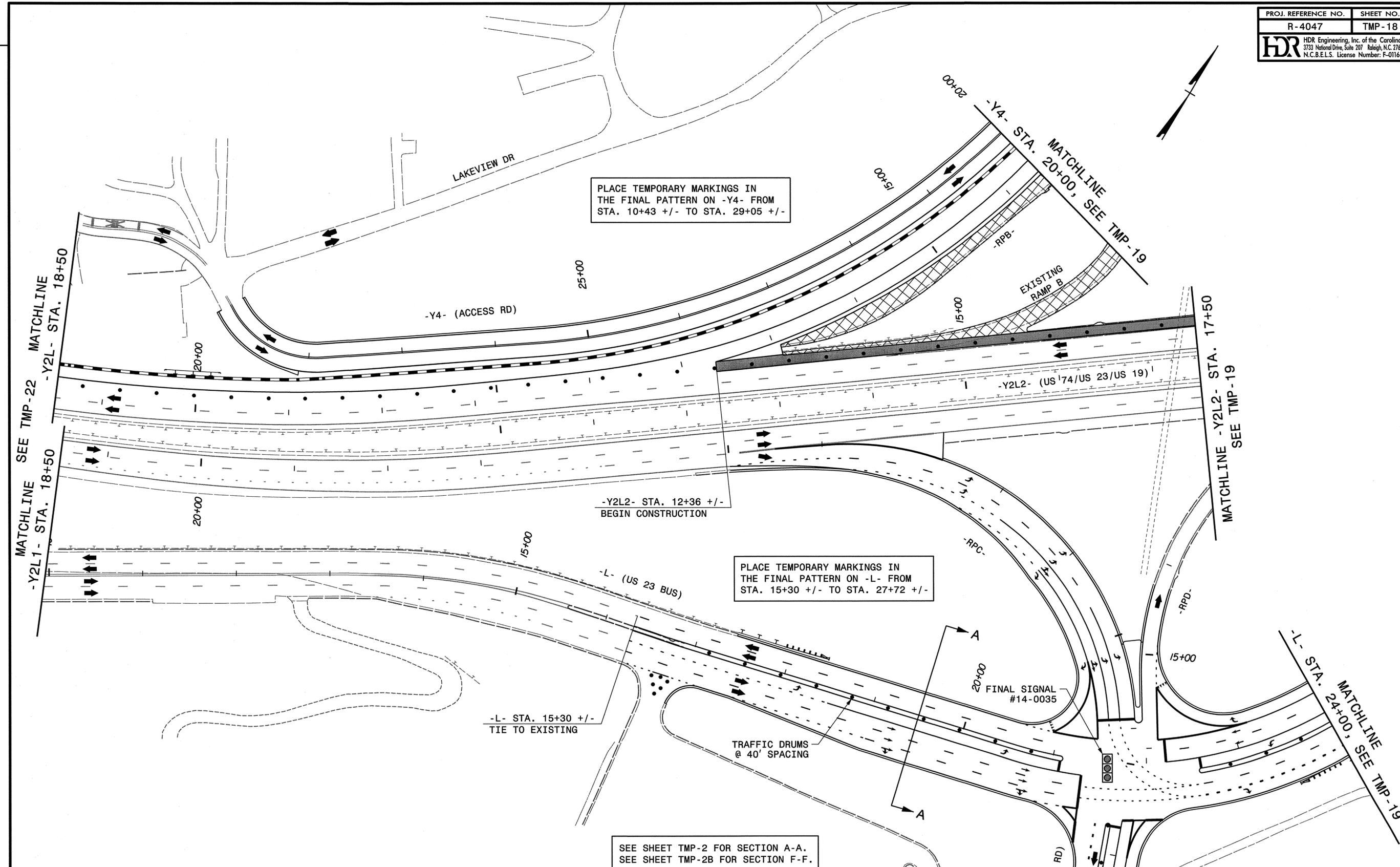
APPROVED: _____ DATE: _____

SEAL

12/17/13



PHASE 1
 STEPS 13-19



REVISIONS
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APPROVED: _____ DATE: _____

SEAL



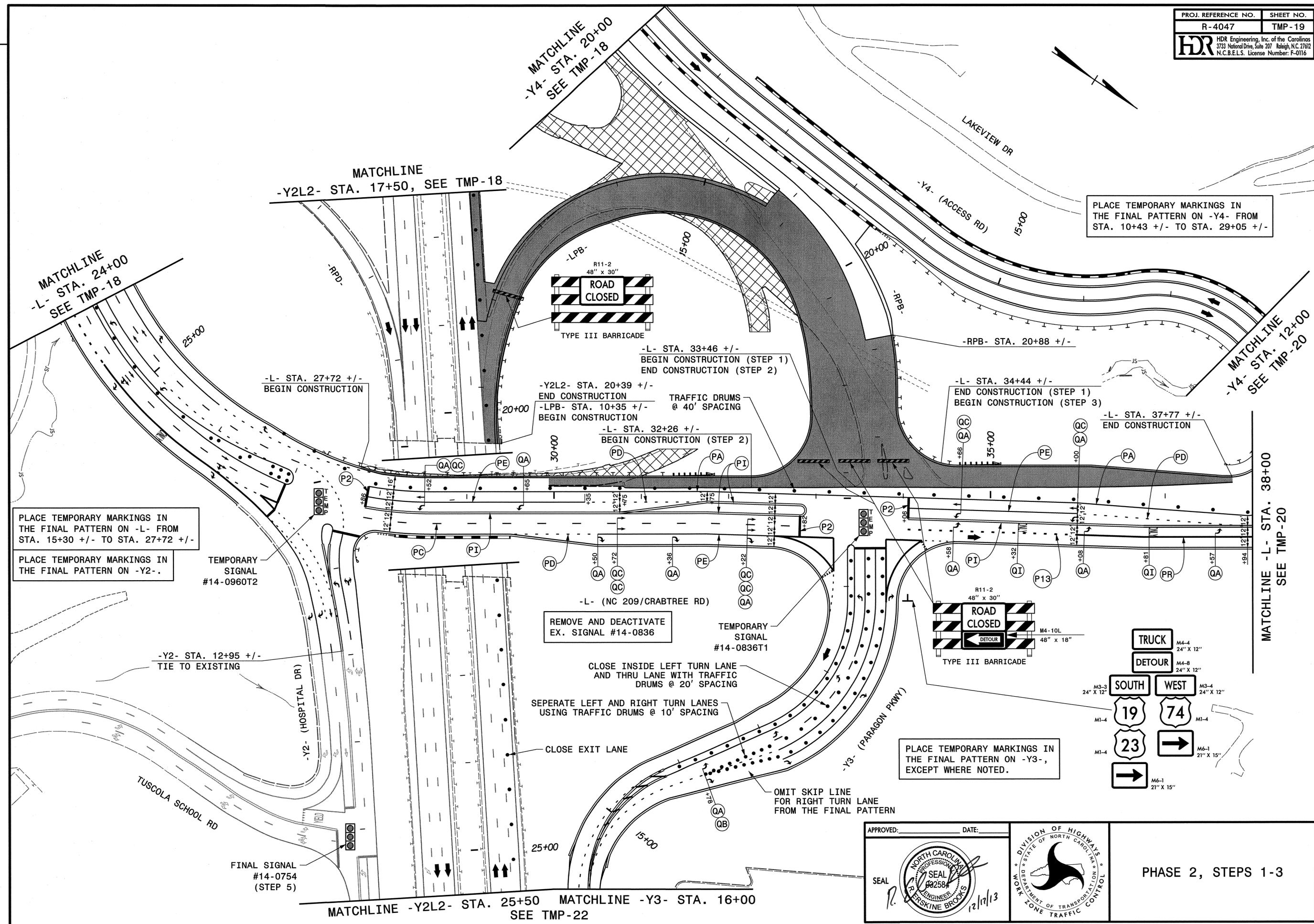
12/17/13



PHASE 2, STEPS 1-3

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REVISIONS

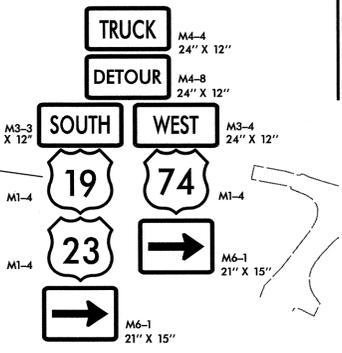


PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y4- FROM STA. 10+43 +/- TO STA. 29+05 +/-

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -L- FROM STA. 15+30 +/- TO STA. 27+72 +/-

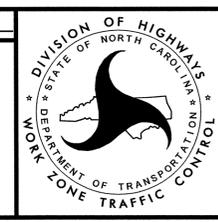
PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y2--

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y3-, EXCEPT WHERE NOTED.



APPROVED: _____ DATE: _____

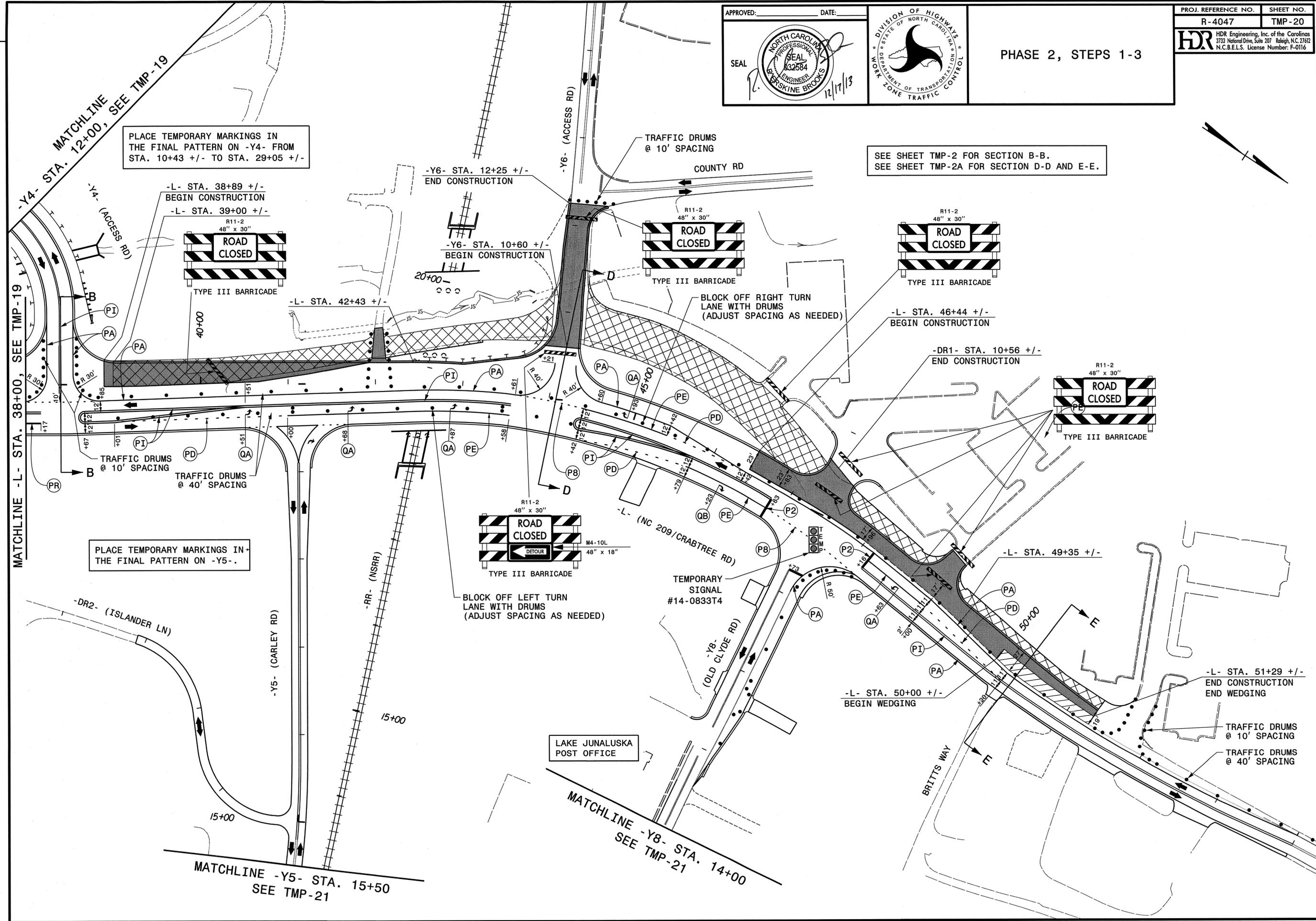
SEAL

PHASE 2, STEPS 1-3

REVISIONS

APPROVED:	DATE:		PROJ. REFERENCE NO.	SHEET NO.
	12/17/13		R-4047	TMP-20
PHASE 2, STEPS 1-3				



PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y4- FROM STA. 10+43 +/- TO STA. 29+05 +/-

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y5-

SEE SHEET TMP-2 FOR SECTION B-B.
 SEE SHEET TMP-2A FOR SECTION D-D AND E-E.



MATCHLINE -L- STA. 38+00, SEE TMP-19

MATCHLINE -Y8- STA. 14+00
 SEE TMP-21

MATCHLINE -Y5- STA. 15+50
 SEE TMP-21

ROAD CLOSED
 DETOUR
 TYPE III BARRICADE

ROAD CLOSED
 TYPE III BARRICADE

ROAD CLOSED
 TYPE III BARRICADE

ROAD CLOSED
 TYPE III BARRICADE

BLOCK OFF LEFT TURN LANE WITH DRUMS (ADJUST SPACING AS NEEDED)

BLOCK OFF RIGHT TURN LANE WITH DRUMS (ADJUST SPACING AS NEEDED)

TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 51+29 +/-
 END CONSTRUCTION
 END WEDGING

TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 50+00 +/-
 BEGIN WEDGING

BRITTS WAY

TEMPORARY SIGNAL #14-0833T4

LAKE JUNALUSKA POST OFFICE

-L- (NC 209/CRABTREE RD)

-YB- (OLD CLYDE RD)

-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

BRITTS WAY

-YB- (OLD CLYDE RD)

-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

MATCHLINE -L- STA. 38+00, SEE TMP-19

MATCHLINE -Y8- STA. 14+00
 SEE TMP-21

MATCHLINE -Y5- STA. 15+50
 SEE TMP-21

ROAD CLOSED
 DETOUR
 TYPE III BARRICADE

ROAD CLOSED
 TYPE III BARRICADE

ROAD CLOSED
 TYPE III BARRICADE

ROAD CLOSED
 TYPE III BARRICADE

BLOCK OFF LEFT TURN LANE WITH DRUMS (ADJUST SPACING AS NEEDED)

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TRAFFIC DRUMS @ 40' SPACING

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 END CONSTRUCTION
 END WEDGING

TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 50+00 +/-
 BEGIN WEDGING

BRITTS WAY

TEMPORARY SIGNAL #14-0833T4

LAKE JUNALUSKA POST OFFICE

-L- (NC 209/CRABTREE RD)

-YB- (OLD CLYDE RD)

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MATCHLINE -L- STA. 38+00, SEE TMP-19

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 SEE TMP-21

ROAD CLOSED
 DETOUR
 TYPE III BARRICADE

ROAD CLOSED
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 END CONSTRUCTION
 END WEDGING

TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 50+00 +/-
 BEGIN WEDGING

BRITTS WAY

TEMPORARY SIGNAL #14-0833T4

LAKE JUNALUSKA POST OFFICE

-L- (NC 209/CRABTREE RD)

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-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

MATCHLINE -L- STA. 38+00, SEE TMP-19

MATCHLINE -Y8- STA. 14+00
 SEE TMP-21

MATCHLINE -Y5- STA. 15+50
 SEE TMP-21

ROAD CLOSED
 DETOUR
 TYPE III BARRICADE

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TRAFFIC DRUMS @ 40' SPACING

-L- STA. 50+00 +/-
 BEGIN WEDGING

BRITTS WAY

TEMPORARY SIGNAL #14-0833T4

LAKE JUNALUSKA POST OFFICE

-L- (NC 209/CRABTREE RD)

-YB- (OLD CLYDE RD)

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-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

MATCHLINE -L- STA. 38+00, SEE TMP-19

MATCHLINE -Y8- STA. 14+00
 SEE TMP-21

MATCHLINE -Y5- STA. 15+50
 SEE TMP-21

ROAD CLOSED
 DETOUR
 TYPE III BARRICADE

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TRAFFIC DRUMS @ 40' SPACING

-L- STA. 51+29 +/-
 END CONSTRUCTION
 END WEDGING

TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 50+00 +/-
 BEGIN WEDGING

BRITTS WAY

TEMPORARY SIGNAL #14-0833T4

LAKE JUNALUSKA POST OFFICE

-L- (NC 209/CRABTREE RD)

-YB- (OLD CLYDE RD)

-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

BRITTS WAY

-YB- (OLD CLYDE RD)

-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

MATCHLINE -L- STA. 38+00, SEE TMP-19

MATCHLINE -Y8- STA. 14+00
 SEE TMP-21

MATCHLINE -Y5- STA. 15+50
 SEE TMP-21

ROAD CLOSED
 DETOUR
 TYPE III BARRICADE

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BLOCK OFF LEFT TURN LANE WITH DRUMS (ADJUST SPACING AS NEEDED)

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TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 51+29 +/-
 END CONSTRUCTION
 END WEDGING

TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 50+00 +/-
 BEGIN WEDGING

BRITTS WAY

TEMPORARY SIGNAL #14-0833T4

LAKE JUNALUSKA POST OFFICE

-L- (NC 209/CRABTREE RD)

-YB- (OLD CLYDE RD)

-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

BRITTS WAY

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-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

MATCHLINE -L- STA. 38+00, SEE TMP-19

MATCHLINE -Y8- STA. 14+00
 SEE TMP-21

MATCHLINE -Y5- STA. 15+50
 SEE TMP-21

ROAD CLOSED
 DETOUR
 TYPE III BARRICADE

ROAD CLOSED
 TYPE III BARRICADE

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 TYPE III BARRICADE

BLOCK OFF LEFT TURN LANE WITH DRUMS (ADJUST SPACING AS NEEDED)

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TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 51+29 +/-
 END CONSTRUCTION
 END WEDGING

TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 50+00 +/-
 BEGIN WEDGING

BRITTS WAY

TEMPORARY SIGNAL #14-0833T4

LAKE JUNALUSKA POST OFFICE

-L- (NC 209/CRABTREE RD)

-YB- (OLD CLYDE RD)

-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

BRITTS WAY

-YB- (OLD CLYDE RD)

-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

MATCHLINE -L- STA. 38+00, SEE TMP-19

MATCHLINE -Y8- STA. 14+00
 SEE TMP-21

MATCHLINE -Y5- STA. 15+50
 SEE TMP-21

ROAD CLOSED
 DETOUR
 TYPE III BARRICADE

ROAD CLOSED
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BLOCK OFF LEFT TURN LANE WITH DRUMS (ADJUST SPACING AS NEEDED)

BLOCK OFF RIGHT TURN LANE WITH DRUMS (ADJUST SPACING AS NEEDED)

TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 51+29 +/-
 END CONSTRUCTION
 END WEDGING

TRAFFIC DRUMS @ 10' SPACING

TRAFFIC DRUMS @ 40' SPACING

-L- STA. 50+00 +/-
 BEGIN WEDGING

BRITTS WAY

TEMPORARY SIGNAL #14-0833T4

LAKE JUNALUSKA POST OFFICE

-L- (NC 209/CRABTREE RD)

-YB- (OLD CLYDE RD)

-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

BRITTS WAY

-YB- (OLD CLYDE RD)

-RR- (NSRR)

-Y5- (CARLEY RD)

-DR2- (ISLANDER LN)

MATCHLINE -L- STA. 38+00, SEE TMP-19

MATCHLINE -Y8- STA. 14+00
 SEE TMP-21

MATCHLINE -Y5- STA. 15+50
 SEE TMP-21

ROAD CLOSED
 DETOUR
 TYPE III BARRICADE

ROAD CLOSED
 TYPE III BARRICADE

MATCHLINE -Y1- STA. 12+00, SEE TMP-18

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y1-.

-Y1- STA. 16+00 +/-
TIE TO EXISTING

-Y1- (LINER COVE RD)

15+00



MATCHLINE -Y5- STA. 15+50, SEE TMP-20

LAKE JUNALUSKA
FIRE DEPARTMENT

MATCHLINE -Y8- STA. 14+00, SEE TMP-20

-Y8- (OLD CLYDE RD)

-Y8- STA. 16+15 +/-
TIE TO EXISTING

-Y5- (CARLEY RD)

-RR- (NSRR)

10+00

NORFOLK SOUTHERN RR



REVISIONS

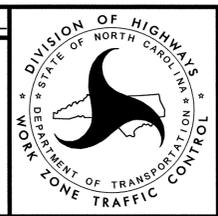
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APPROVED: _____ DATE: _____

SEAL

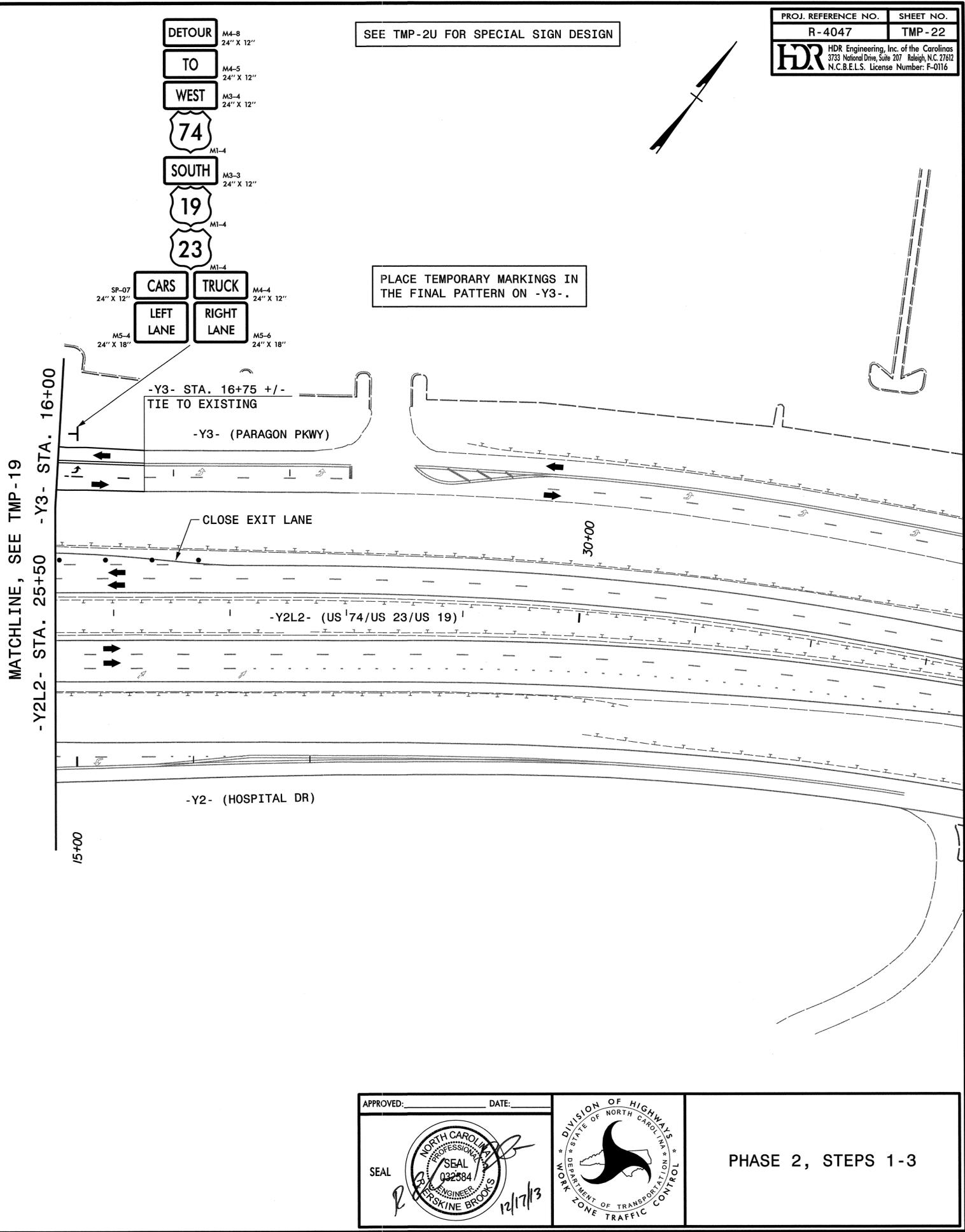
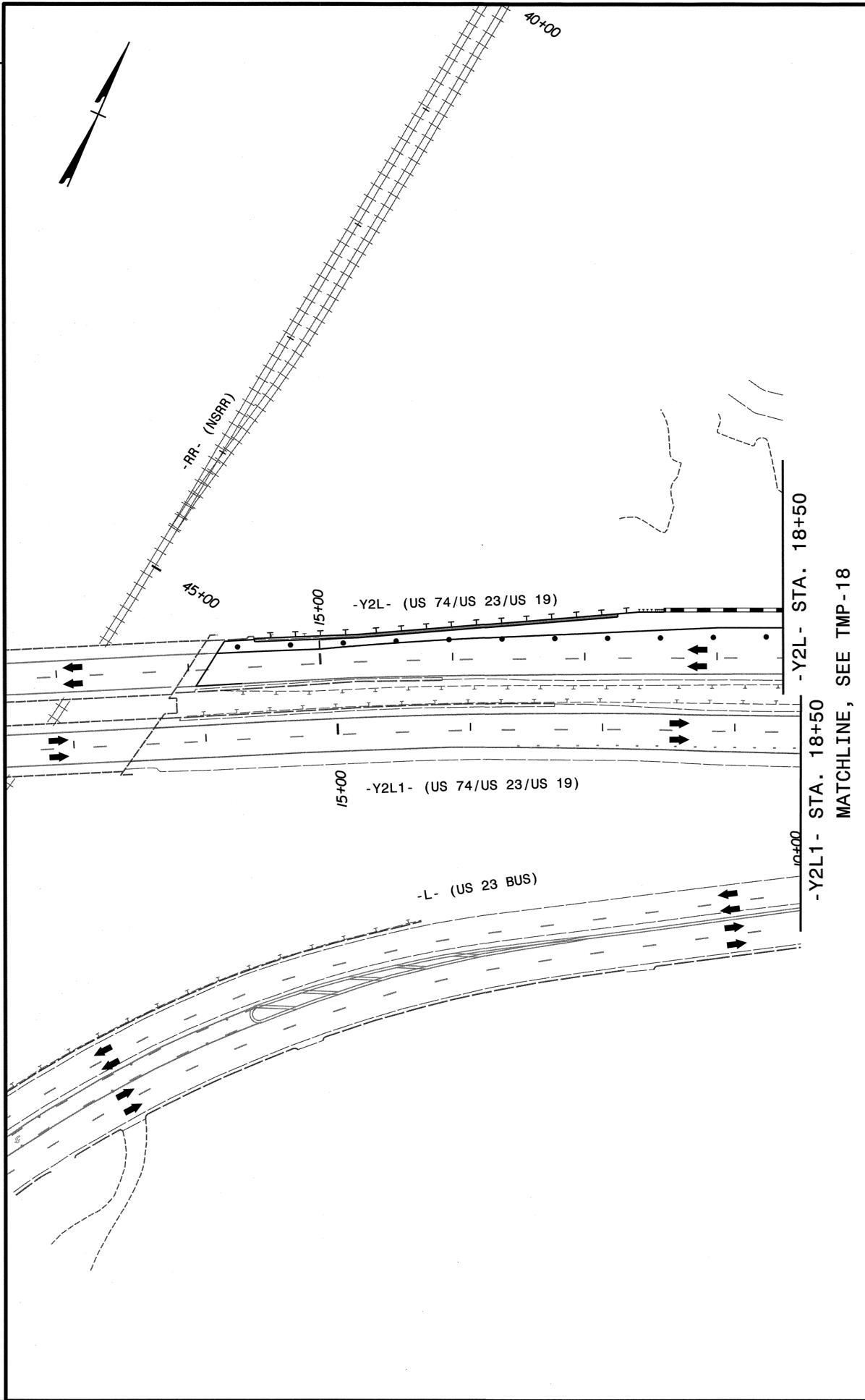


12/17/13



PHASE 2, STEPS 1-3

REVISIONS



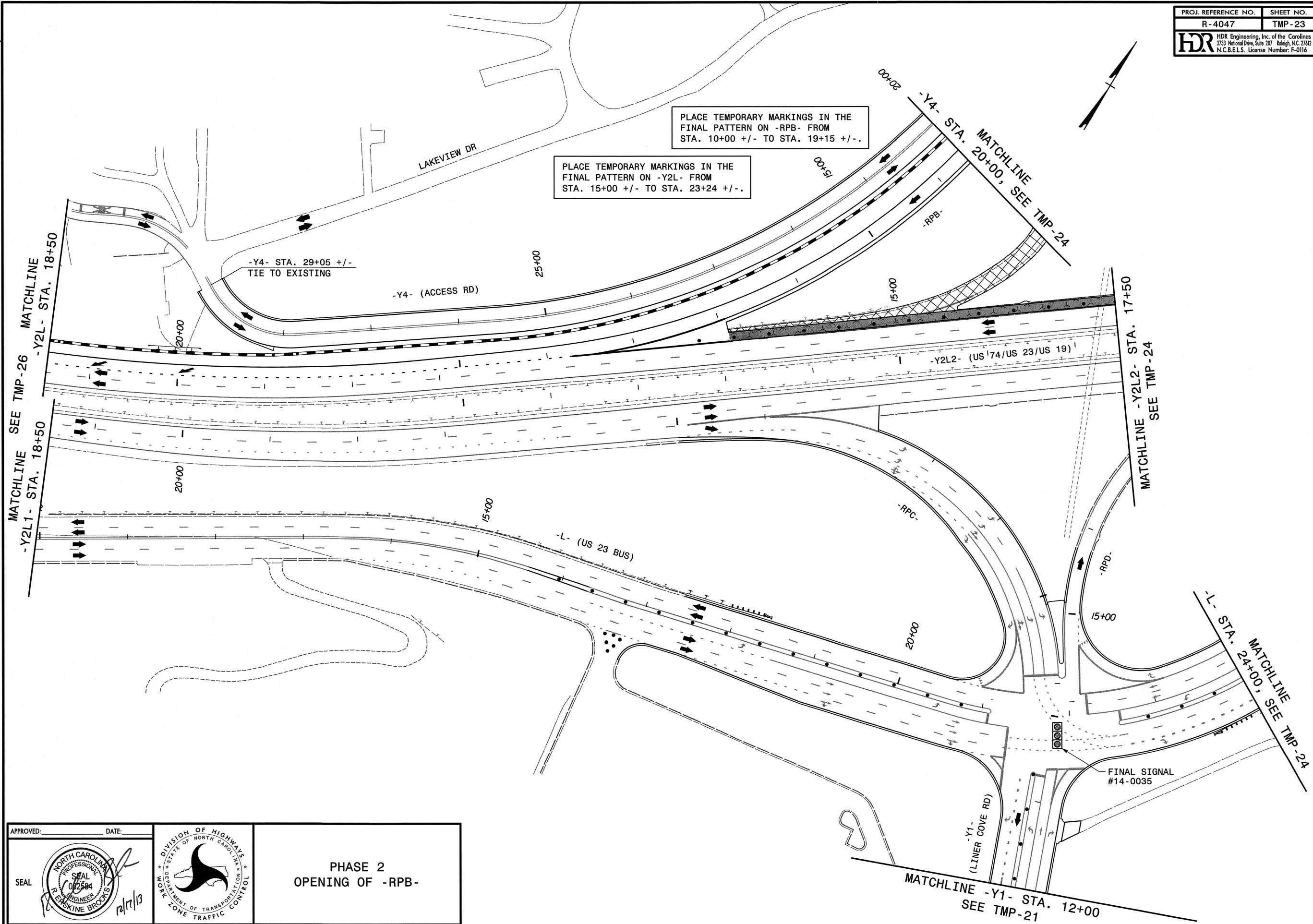
APPROVED: _____ DATE: _____

SEAL

12/17/13



PHASE 2, STEPS 1-3



PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -RPB- FROM STA. 10+00 +/- TO STA. 19+15 +/-.

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y2L- FROM STA. 15+00 +/- TO STA. 23+24 +/-.

-Y4- STA. 29+05 +/- TIE TO EXISTING

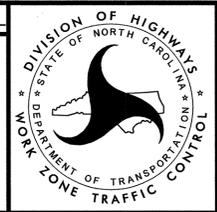
FINAL SIGNAL #14-0035

APPROVED: _____ DATE: _____

SEAL



12/17/13



PHASE 2
OPENING OF -RPB-

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 USER: erbrooks
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REVISIONS

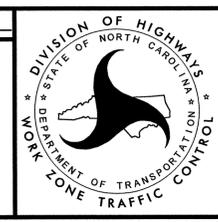
SEE SHEET TMP-2B FOR SECTION G-G.

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -RPB- FROM STA. 10+00 +/- TO STA. 19+15 +/-.

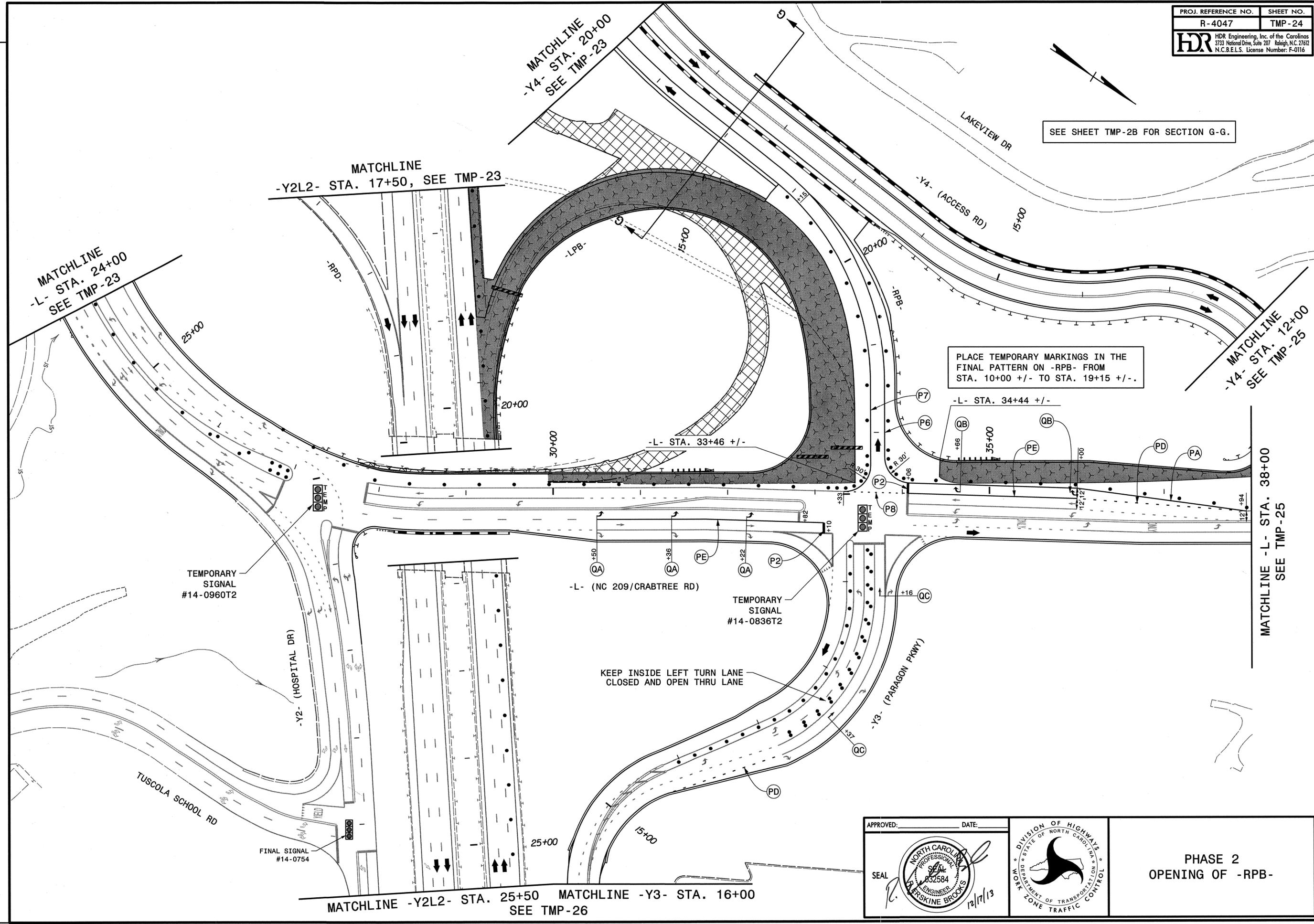
KEEP INSIDE LEFT TURN LANE CLOSED AND OPEN THRU LANE

APPROVED: _____ DATE: _____

SEAL

PHASE 2
OPENING OF -RPB-

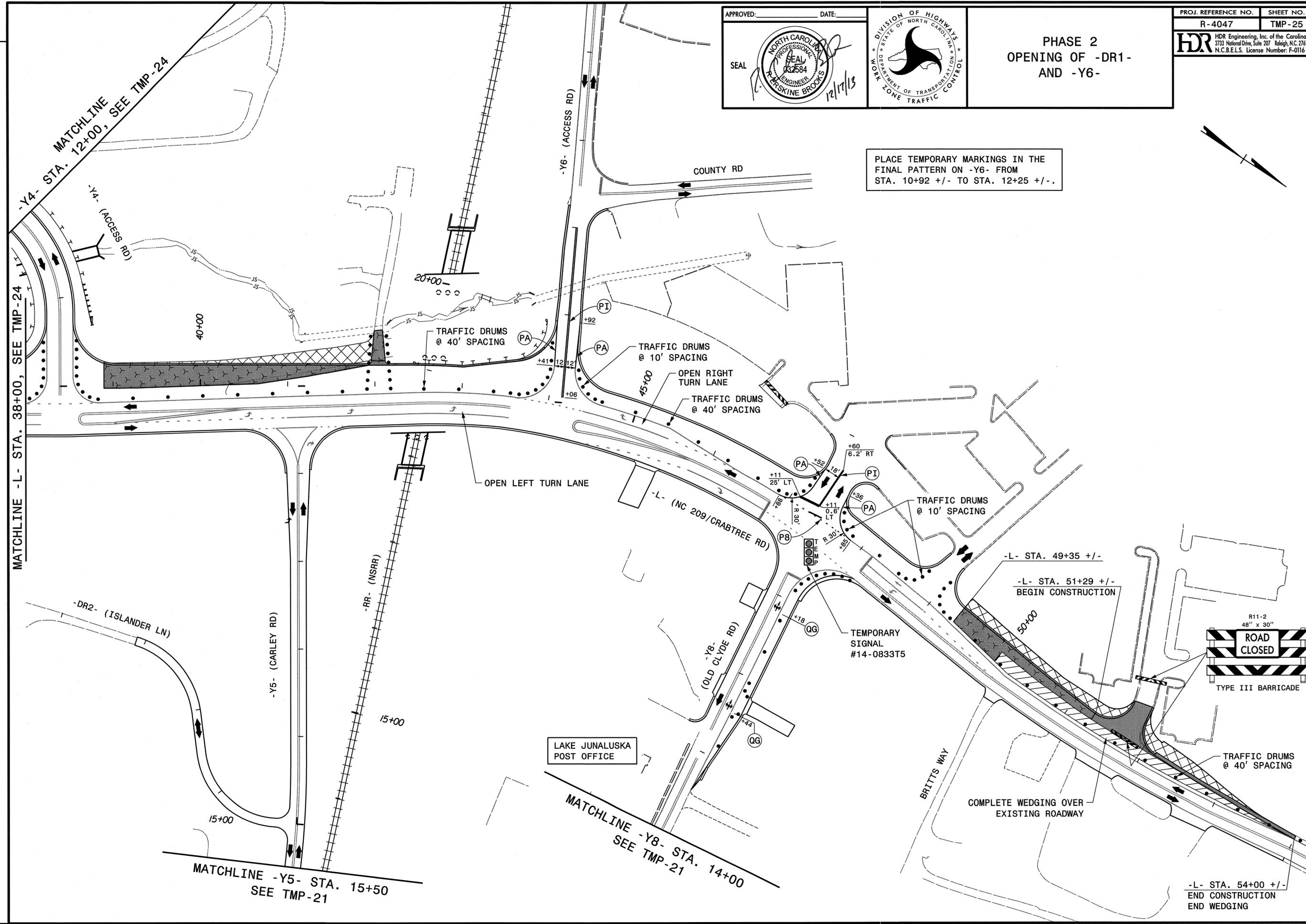


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REVISIONS

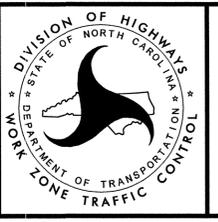
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 USER: erbrooks
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REVISIONS



APPROVED: _____ DATE: _____

SEAL
 NORTH CAROLINA PROFESSIONAL ENGINEER
 SEAL 032584
 T. BRISKINE BROOKS
 12/17/13



PHASE 2
 OPENING OF -DR1-
 AND -Y6-

PROJ. REFERENCE NO.	SHEET NO.
R-4047	TMP-25

HDR Engineering, Inc. of the Carolinas
 3733 National Drive, Suite 207 Raleigh, N.C. 27612
 N.C.E.L.S. License Number: F-0116

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -Y6- FROM STA. 10+92 +/- TO STA. 12+25 +/-.

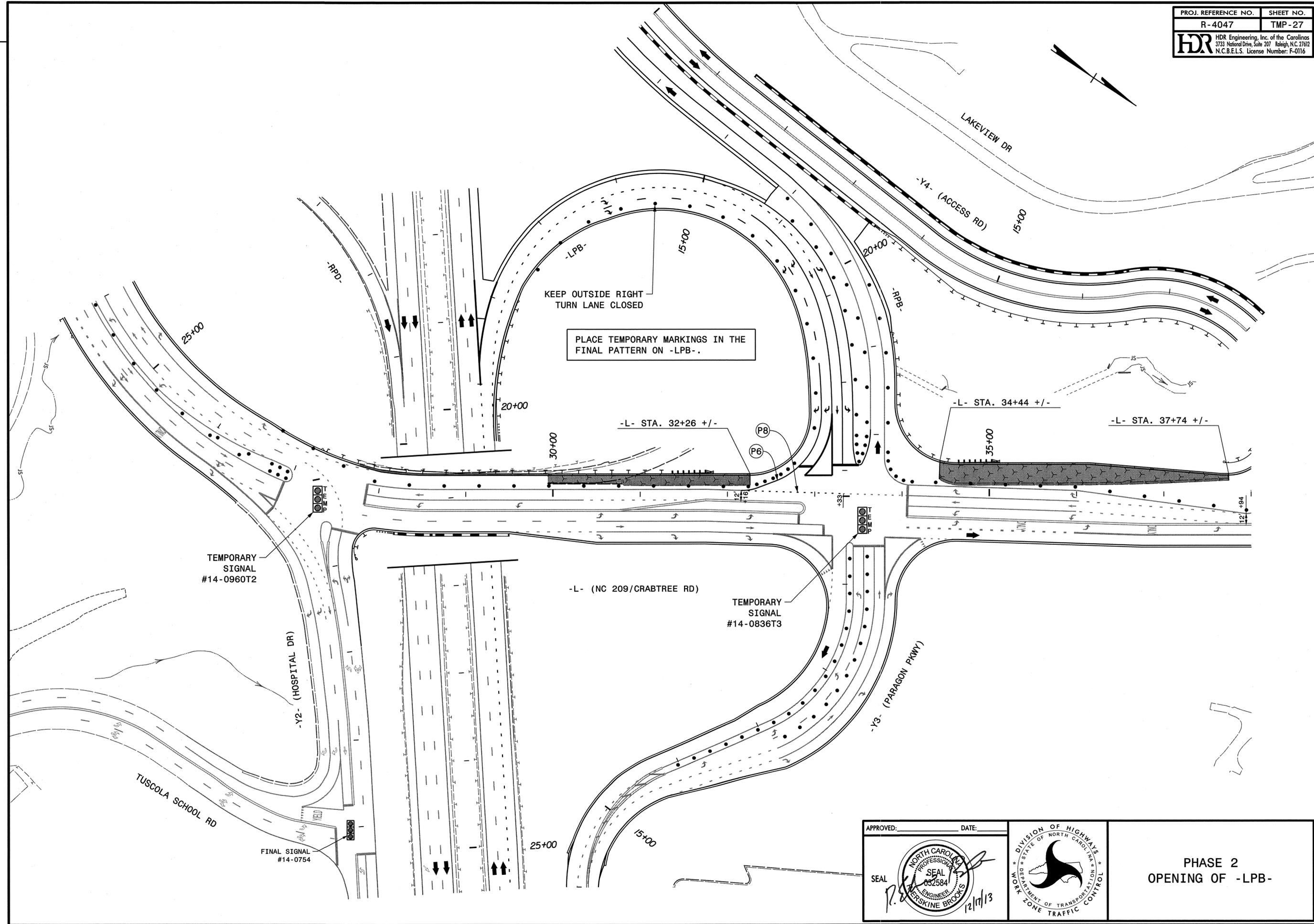


TRAFFIC DRUMS @ 40' SPACING

-L- STA. 54+00 +/-
 END CONSTRUCTION
 END WEDGING

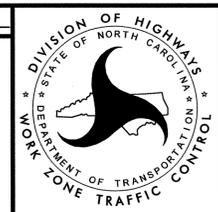
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REVISIONS



APPROVED: _____ DATE: _____

SEAL

PHASE 2
OPENING OF -LPB-