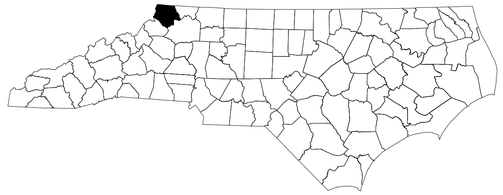
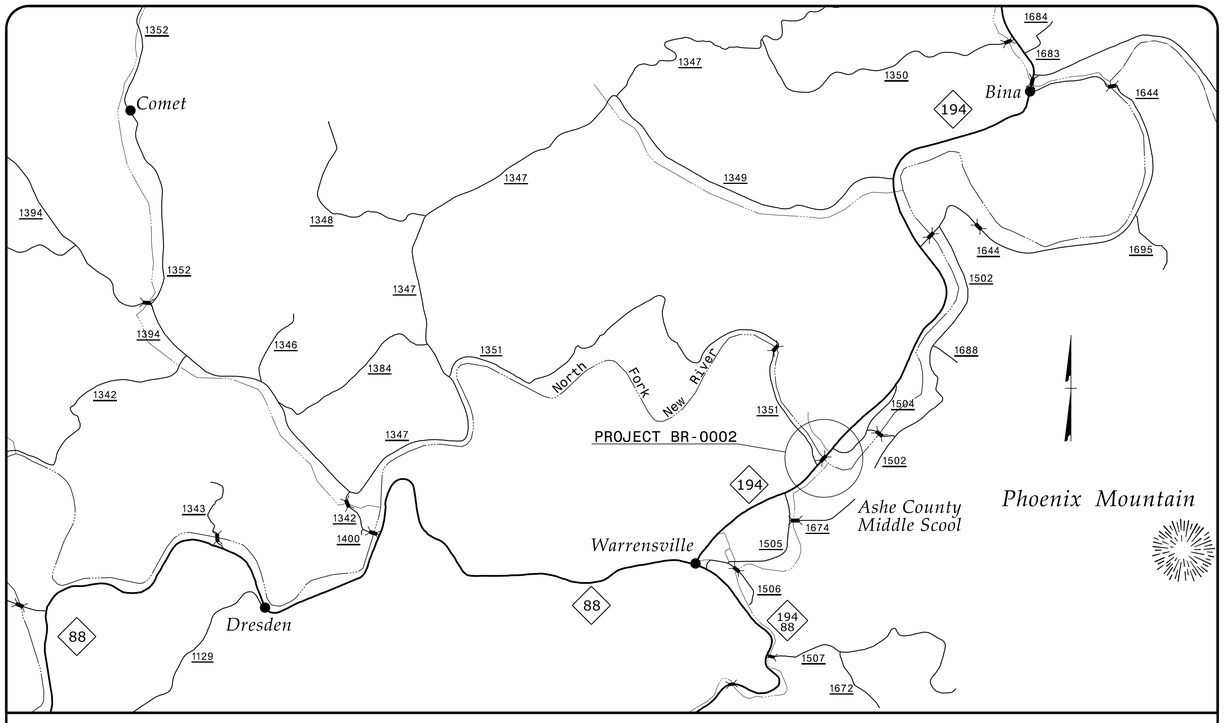
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

ASHE COUNTY



LOCATION: BRIDGE NO.8 ON NC 194 OVER NORTH FORK NEW RIVER



VICINITY MAP

WORK ZONE SAFETY & MOBILITY
"from the MOUNTAINS to the COAST"

PLANS PREPARED BY:

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TRAFFIC CONTROL PROJECT ENGINEER

K. E. DAIS, P.E.
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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

INDEX OF SHEETS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

APPROVED: DocuSigned by: Karmen Dais 596D97024696449...

DATE: 8/16/2021

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KARMEN E. DAIS

SHEET NO.
TMP-1

BR-0002

TIP PROJECT:

4/24/2020
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User:KEDAIS

PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-1A

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE 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	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
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
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
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
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)
- WORK AREA
- REMOVAL

SIGNALS

EXISTING PROPOSED TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TEMPORARY PAVEMENT MARKING

C1(IV) - WHITE EDGELINE (COLD APPLIED PLASTIC) - 4″
P1 - WHITE EDGELINE (PAINT) - 4″
P4 - WHITE MINISKIP (PAINT) - 4″
P13 - YELLOW DOUBLE CENTER (PAINT) - 4″
P61 - WHITE STOP BAR (PAINT) - 24″

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING SYMBOLS

APPROVED: DocuSigned by: kmen Davis 596D9702469644... DATE: 8/16/2021

NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KARMEN E. DAVIS

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

ROADWAY STANDARD DRAWINGS & LEGEND

PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-1B

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 STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
NC 194	MONDAY-FRIDAY 6AM-9AM 3PM-7PM	30 MIN FOR ROCK BLASTING

LANE AND SHOULDER CLOSURE REQUIREMENTS

B) 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.

C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN 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.

D) 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.

D) 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.

E) 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

F) 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.

G) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT. IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

H) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

I) 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.

J) 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 ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

K) 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.

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

TRAFFIC BARRIER

M) 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.

N) 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

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

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
NC 194 (BRIDGE)	COLD APPLIED PLASTIC	N/A
NC 194 (-L-)	PAINT	N/A
SR 1351 (-Y-)	PAINT	N/A
SR 1504 (-Y1-)	PAINT	N/A
NW SCHOOL RD.	PAINT	N/A

Q) 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.

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

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

T) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS SHOWN IN FINAL PAVEMENT MARKING PLAN.

APPROVED: DocuSigned by: Karmen Dais 596D9702469644...

DATE: 8/16/2021

NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KARMEN F. DAIS

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GENERAL NOTES

4/24/2020
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PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-1C

PHASING

NOTE: BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG -L- LINE (NC 194), -Y- LINE (CAMPBELL RD.), -Y1- LINE (RIVER RD.), AND NW SCHOOL RD., (SEE RSD 1101.01, SHEET 3 OF 3).

NOTE: IF NECESSARY, USE RSD 1101.06 (SHEET 1 OF 1) FOR PLACEMENT OF ADVANCE WARNING SIGNS FOR BLASTING ZONES

PHASE I

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE I, STEPS 1 THRU 4 IN 30 CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES).

STEP 1. USING RSD 1101.03 (SHEET 1 OF 9) AND TMP-4A, CLOSE SR 1504 (RIVER ROAD) FROM STA. 10+00+/- -Y1- TO STA. 11+85+/- -Y1-.

STEP 2. USING RSD NO. 1101.02 (SHEET 1 OF 14), PLACE TEMPORARY PAVEMENT MARKINGS AS FOLLOWS (SEE TMP-3 AND TMP-4):
- STA. 13+90+/- -L- TO STA. 15+30+/- -L-
- STA. 25+98+/- -L- TO STA. 27+26+/- -L-
- NW SCHOOL RD.

- PLACE TEMPORARY SIGNAL SIGNAGE AND TEMPORARY PORTABLE SIGNALS AND ACTIVATE (SEE TMP-3 AND TMP-4).

- SHIFT TRAFFIC FROM A TWO-LANE, TWO WAY PATTERN TO A ONE-LANE, TWO WAY PATTERN ON NC 194 AS SHOWN ON TMP-3 AND TMP-4.

- USING RSD 1101.02 (SHEET 1 OF 14), PLACE PORTABLE CONCRETE BARRIER AS FOLLOWS (SEE TMP-3 AND TMP-4):
  - STA. 14+90+/- -L- TO STA. 26+10+/- -L-

NOTE: STEPS 3 AND 5 CAN BE DONE CONCURRENTLY.

STEP 3. BEHIND BARRIER AND USING RSD 1101.02 (SHEET 1 OF 14), CONSTRUCT NEW PAVEMENT TO EXISTING EDGE OF PAVEMENT, PAVE UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-4):
- STA. 25+96+/- -L- TO STA. 26+84+/- -L-

- UNDER TRAFFIC, CONSTRUCT -Y1- LINE, INCLUDING DRAINAGE, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-4):
  - STA. 10+12+/- -Y1- TO STA. 11+85+/- -Y1-

- USING RSD NO. 1101.02 (SHEET 1 OF 14), PLACE TEMPORARY PAVEMENT MARKINGS ON -Y1- AS SHOWN ON TMP-4B.

STEP 4. REMOVE ALL TYPE III BARRICADES AND DETOUR SIGNING. REOPEN SR 1504 (RIVER ROAD) TO A 2-LANE, 2-WAY TRAFFIC PATTERN.

STEP 5. BEHIND BARRIER, CONSTRUCT STAGED BRIDGE AND ROADWAY APPROACHES, DRAINAGE, RETAINING WALL, AND GUARDRAIL. PAVE UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS, TMP-3, TMP-4, AND TMP-4B):
- STA. 15+25+/- -L- TO STA. 25+96+/- -L-

- USING RSD 1101.02 (SHEET 1 OF 14), CONSTRUCT -L- LINE NEW PAVEMENT TO EXISTING PAVEMENT AS FOLLOWS (SEE TMP-4):
  - STA. 26+86+/- -L- TO STA. 29+50+/- -L-

- USING RSD 1101.02 (SHEET 1 OF 14), CONSTRUCT -L- WIDENING TO EXISTING PAVEMENT ELEVATIONS AS FOLLOWS (SEE TMP-4):
  - STA. 29+50+/- -L- TO STA. 32+25+/- -L-

- USING RSD 1101.02 (SHEET 1 OF 14), CONSTRUCT -Y- LINE, INCLUDING DRAINAGE, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-3):
  - STA. 12+50+/- -Y- TO STA. 15+00+/- -Y-

- USING RSD 1101.02 (SHEET 1 OF 14), CONSTRUCT -Y- LINE, UP TO EXISTING EDGE OF PAVEMENT ELEVATIONS COURSE AS FOLLOWS (SEE TMP-3):
  - STA. 11+70+/- -Y- TO STA. 12+50+/- -Y-
  - STA. 15+00+/- -Y- TO STA. 15+40+/- -Y-

- USING RSD 1101.02 (SHEET 1 OF 14), CONSTRUCT -DR1- LINE, INCLUDING DRAINAGE, UP TO BASE COURSE AS FOLLOWS (SEE TMP-4):
  - STA. 10+69+/- -DR1- TO STA. 11+62+/- -DR1-

- CONTRACTOR SHALL MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.

PHASE II

STEP 1. AWAY FROM TRAFFIC, PLACE ANCHORED PORTABLE CONCRETE BARRIER AS FOLLOWS (SEE TMP-6 AND TMP-7):
- STA. 21+50+/- -L- TO STA. 25+85+/- -L-

- USING RSD 1101.02 (SHEET 1 OF 14), REMOVE PORTABLE CONCRETE BARRIER FROM PHASE I AS FOLLOWS (SEE TMP-3 AMD TMP-4):
  - STA. 14+90+/- -L- TO STA. 26+10+/- -L-

STEP 2. USING RSD NO. 1101.02 (SHEET 1 OF 14), PAVE/WEDGE UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE TMP-6 AND TMP-7):
- STA. 26+86+/- -L- TO STA. 32+25+/- -L-
- STA. 11+70+/- -Y- TO STA. 12+50+/- -Y-
- STA. 15+00+/- -Y- TO STA. 15+63+/- -Y-

- USING RSD NO. 1101.02 (SHEET 1 OF 14), PLACE TEMPORARY PAVEMENT MARKINGS AS FOLLOWS (SEE TMP-6 AND TMP-7):
  - STA. 14+55+/- -L- TO STA. 32+15+/- -L-
  - STA. 11+70+/- -Y- TO STA. 15+65+/- -Y-
  - RIVER ROAD (SR 1504)

- RELOCATE TEMPORARY SIGNAL SIGNAGE AND TEMPORARY PORTABLE SIGNALS AND ACTIVATE (SEE TMP-6 AND TMP-7).

- SHIFT TRAFFIC FROM A ONE-LANE, TWO WAY PATTERN (PHASE I) TO A NEW ONE-LANE, TWO WAY PATTERN (PHASE II) ON NC 194 AS SHOWN ON TMP-6 AND TMP-7.

- UNDER TRAFFIC, COMPLETE -DR1- LINE CONSTRUCTION (SEE TMP-7).

STEP 3. BEHIND BARRIER AND USING RSD 1101.02 (SHEET 1 OF 14), COMPLETE -L- LINE STAGED BRIDGE AND ROADWAY APPROACHES, INCLUDING DRAINAGE, GUARDRAIL, PAVEMENT REMOVAL, AND EXISTING BRIDGE REMOVAL. PAVE UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS, TMP-6, AND TMP-7):
- STA. 17+75+/- -L- TO STA. 29+50+/- -L-

- USING RSD 1101.02 (SHEET 1 OF 14), CONSTRUCT -L- WIDENING TO EXISTING PAVEMENT ELEVATIONS AS FOLLOWS (SEE TMP-6 AND TMP-7):
  - STA. 15+25+/- -L- TO STA. 17+75+/- -L-
  - STA. 29+50+/- -L- TO STA. 32+25+/- -L-

- UNDER TRAFFIC, CONSTRUCT DRIVEWAYS (SEE TMP-7).

PHASE III

STEP 1. USING RSD NO. 1101.02 (SHEET 1 OF 14), REMOVE ANCHORED PORTABLE CONCRETE BARRIER AS FOLLOWS (SEE TMP-7):
- STA. 21+50+/- -L- TO STA. 25+85+/- -L-

- REMOVE TEMPORARY SIGNAL SIGNAGE AND TEMPORARY PORTABLE SIGNALS.

STEP 2. USING RSD NO. 1101.02 (SHEET 1 OF 14), PAVE THE FINAL LAYER OF SURFACE COURSE FOR -L-, -Y-, AND -Y1- AS FOLLOWS:
- STA. 15+25+/- -L- TO STA. 32+25+/- -L-
- STA. 11+70+/- -Y- TO STA. 15+59+/- -Y-
- STA. 10+12+/- -Y1- TO STA. 11+85+/- -Y1-

STEP 3. USING RSD NO. 1101.02 (SHEET 1 OF 14), PLACE FINAL PAVEMENT MARKINGS AND FOR -L- LINE AND -Y- LINES (SEE FINAL PAVEMENT MARKING PLANS) AND REMOVE ALL TRAFFIC CONTROL DEVICES.

APPROVED: DocuSigned by: Karen Dais 596D9702469644... DATE: 8/16/2021

NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KAREN E. DAIS

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PHASING

4/24/2020
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PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-2

SHORING LOCATION NO.	FROM STATION AND OFFSET	TO STATION AND OFFSET	ESTIMATED AVERAGE HEIGHT	ESTIMATED MAXIMUM HEIGHT	SHORING LOCATION TYPE
NO. 1	STA. 22+15+/- -L- 12 FT. LT.	STA. 22+44+/- -L- 12 FT. LT.	4.0 FT.	6.5 FT.	STRUCTURE
NO. 2	STA. 22+15+/- -L- 3 FT. LT.	STA. 22+44+/- -L- 3 FT. LT.	4.0 FT.	6.5 FT.	STRUCTURE
NO. 3	STA. 25+16+/- -L- 12 FT. LT.	STA. 25+47+/- -L- 12 FT. LT.	4.0 FT.	6.5 FT.	STRUCTURE
NO. 4	STA. 25+16+/- -L- 3 FT. LT.	STA. 25+47+/- -L- 3 FT. LT.	4.0 FT.	6.5 FT.	STRUCTURE
NO. 5	STA. 15+00+/- -L- 6.5 FT. RT.	STA. 20+00+/- -L- 6.5 FT. RT.	13.5 FT.	21.5 FT.	ROADWAY

TEMPORARY SHORING NOTES

SHORING LOCATION NO.1

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION 22+15 -L-, 12′ LT, TO STATION 22+44 -L-, 12′ LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:
UNIT WEIGHT (γ) = 120 PCF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = 2,660 FT

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 22+15 -L-, 12′ LT, TO STATION 22+44-L-, 12′ LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION 22+15 -L-, 12′ LT, TO STATION 22+44-L-, 12′ LT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

SHORING LOCATION NO.2

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION 22+15 -L-, 3′ LT, TO STATION 22+44 -L-, 3′ LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:
UNIT WEIGHT (γ) = 120 PCF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = 2,660 FT

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 22+15 -L-, 3′ LT, TO STATION 22+44 -L-, 3′ LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

SHORING LOCATION NO.3

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION 25+16 -L-, 12′ LT, TO STATION 25+47 -L-, 12′ LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:
UNIT WEIGHT (γ) = 120 PCF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = 2,660 FT

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 25+16 -L-, 12′ LT, TO STATION 25+47 -L-, 12′ LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION 25+16 -L-, 12′ LT, TO STATION 25+47 -L-, 12′ LT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

SHORING LOCATION NO.4

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION 25+16 -L-, 3′ LT, TO STATION 25+47 -L-, 3′ LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:
UNIT WEIGHT (γ) = 120 PCF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = 2,660 FT

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 25+16 -L-, 3′ LT, TO STATION 25+47 -L-, 3′ LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

SHORING LOCATION NO.5

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION 15+00 -L-, 6.5′ RT, TO STATION 20+00 -L-, 6.5′ RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:
UNIT WEIGHT (γ) = 120 PCF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = 2,660 FT

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 15+00 -L-, 6.5′ RT, TO STATION 20+00 -L-, 6.5′ RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION 15+00 -L-, 6.5′ RT, TO STATION 20+00 -L-, 6.5′ RT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

APPROVED: DocuSigned by: 819631SB3C7046C...
DATE: 8/16/2021

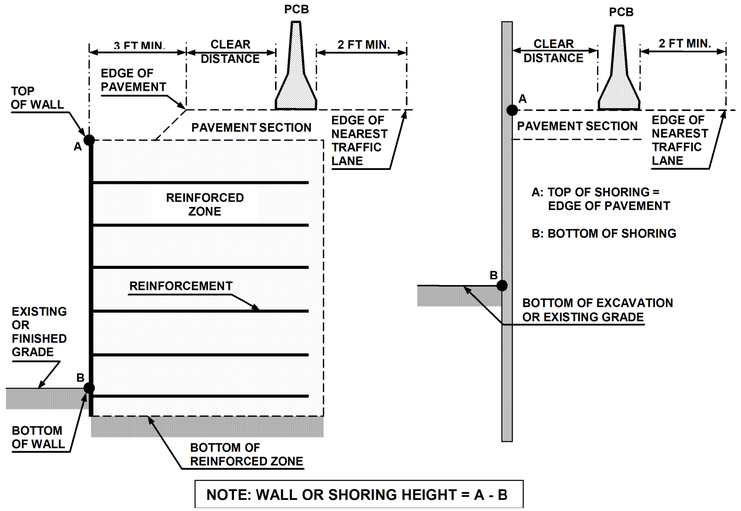
NORTH CAROLINA PROFESSIONAL SEAL 028893 ENGINEER MICHAEL H STEPHENS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

TEMPORARY SHORING NOTES

PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-2A



NOTE: WALL OR SHORING HEIGHT = A - B

FIGURE A

NOTES

1- REFER TO THE TRAFFIC CONTROL PLANS FOR TEMPORARY SHORING LOCATIONS AND NOTES.

2- REFER TO THE "TEMPORARY SHORING" PROJECT SPECIAL PROVISION FOR INFORMATION ABOUT TEMPORARY SHORING AND PORTABLE CONCRETE BARRIER (PCB).

3- PCB IS REQUIRED IF TEMPORARY SHORING IS LOCATED WITHIN THE CLEAR ZONE IN ACCORDANCE WITH THE AASHTO ROADSIDE DESIGN GUIDE. DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE. (CONTACT NCDOT PAVEMENT MANAGEMENT UNIT FOR APPLICABLE PAVEMENT DESIGN).

4- BASED ON THE CLEAR DISTANCE, OFFSET, DESIGN SPEED AND PAVEMENT TYPE, CHOOSE AN UNANCHORED OR ANCHORED PCB FROM THE TABLE SHOWN IN FIGURE B. CLEAR DISTANCE IS DEFINED AS SHOWN IN FIGURE A AND OFFSET IS DEFINED AS SHOWN IN FIGURE B.

5- AT THE CONTRACTOR'S OPTION OR IF THE MINIMUM REQUIRED CLEAR DISTANCE IS NOT AVAILABLE, SET PCB NEXT TO AND UP AGAINST THE TRAFFIC SIDE OF THE TEMPORARY SHORING EXCEPT FOR BARRIER ABOVE TEMPORARY WALLS. PCB WITH THE MINIMUM REQUIRED CLEAR DISTANCE IS REQUIRED ABOVE TEMPORARY WALLS.

6- USE NCDOT PORTABLE CONCRETE BARRIER (PCB) IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1170.01 AND SECTION 1170 OF THE STANDARD SPECIFICATIONS.

7- PCB REQUIREMENTS FOR TEMPORARY WALLS APPLY TO TEMPORARY MECHANICALLY STABILIZED EARTH (MSE) WALLS AND TEMPORARY SOIL NAIL WALLS.

8- SET PCB WITH A MINIMUM HORIZONTAL DISTANCE OF 2 FT BETWEEN THE FRONT FACE OF THE BARRIER AND THE EDGE OF THE NEAREST TRAFFIC LANE AS SHOWN IN FIGURE A UNLESS OTHERWISE SHOWN IN THE PLANS AND OR AS APPROVED BY THE ENGINEER.

9- FOR PCB ABOVE AND BEHIND TEMPORARY WALLS, PROVIDE A MINIMUM DISTANCE OF 3 FT BETWEEN THE EDGE OF PAVEMENT AND THE WALL FACE AS SHOWN IN FIGURE A. IF THESE MINIMUM REQUIRED DISTANCES ARE NOT AVAILABLE, CONTACT THE ENGINEER.

10- TABLE SHOWN IN FIGURE B IS BASED ON NCDOT RESEARCH PROJECT NO. 2005-010 WITH VEHICLE TYPE USED FOR NCHRP 350 CRASH TESTS. BARRIER DEFLECTIONS AND RESULTING MINIMUM REQUIRED CLEAR DISTANCES MIGHT VARY SIGNIFICANTLY FOR LARGER HEAVIER VEHICLES, RUNS OF BARRIER LESS THAN 200 FT IN LENGTH AND WET OR DRY PAVEMENT.

MINIMUM REQUIRED CLEAR DISTANCE, inches

Barrier Type	Pavement Type	Offset * ft	Design Speed, mph					
			<30	31-40	41-50	51-60	61-70	71-80
Unanchored PCB	Asphalt	<8	24	26	29	32	36	40
		8-14	26	28	31	35	38	42
		14-20	27	29	34	36	39	43
		20-26	28	31	35	38	40	44
		26-32	29	32	36	39	42	45
		32-38	30	34	38	41	43	46
		38-44	31	34	41	43	45	48
		44-50	31	35	41	43	46	49
		50-56	32	36	42	44	47	50
		>56	32	36	42	45	47	51
	Concrete	<8	17	18	21	22	25	26
		8-14	19	20	23	25	26	29
		14-20	22	22	24	26	28	31
		20-26	23	24	26	27	30	34
		26-32	24	25	27	28	32	35
		32-38	24	26	27	30	33	36
		38-44	25	26	28	30	34	37
		44-50	26	26	28	32	35	37
		50-56	26	26	28	32	35	38
		>56	26	27	29	32	36	38
Anchored PCB	Asphalt	All Offsets	24 for All Design Speeds					
Anchored PCB	Concrete (including bridge approach slabs)	All Offsets	12 for All Design Speeds					

* See Figure Below

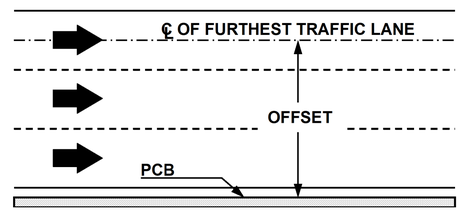


FIGURE B

APPROVED: Digitally signed by: Karmen Davis 596D9702496449...

DATE: 8/16/2021

NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KARMEN E. DAVIS

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

PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS

4/24/2020
O:\Division\BR0002\Traffic\TrafficControl\TCP\BR0002_TC_GEN_TMP02A.dgn
User:KEDAVIS

PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-2B

SIGN NUMBER: SP19116
TYPE: STATIONARY
QUANTITY: SEE PLANS

SIGN WIDTH: 3′-6″
HEIGHT: 1′-6″
TOTAL AREA: 5.3 Sq.Ft.

BORDER TYPE: INSET
RECESS: 0.38″
WIDTH: 0.63″
RADII: 1.5″

NO. Z BARS:
LENGTH:

BACKG COLOR: Fluorescent Orange
COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT′L: 0.080″ (2.0 mm) ALUMINUM

USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

DESIGN BY: DHB
PROJECT ID: BR-0002
CHECKED BY: KLJ
LOCATION: N/A
Jul 30, 2019
DIV: 11

Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

Series/Size
Text Length

| | | | |

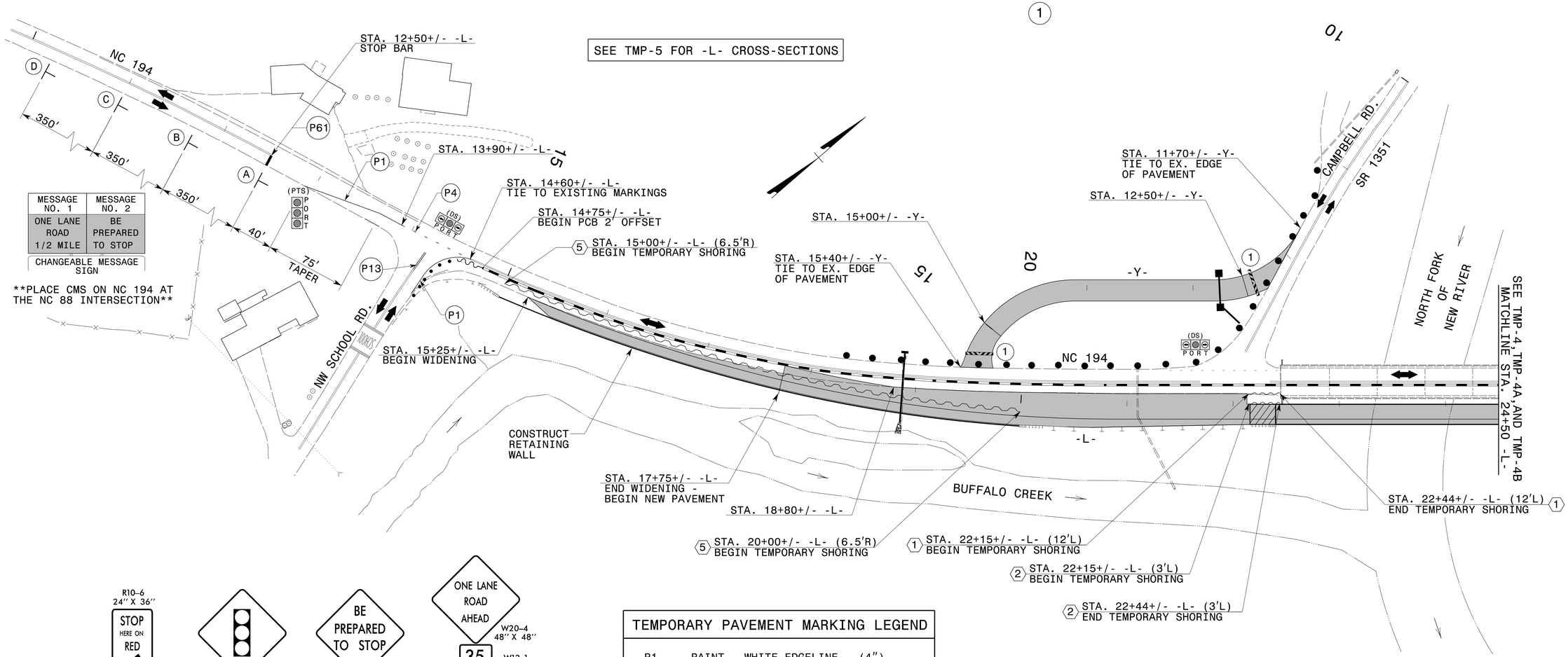
PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-3

Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
1	4.0 FT.	116 SQ. FT.
2	4.0 FT.	116 SQ. FT.
5	13.5 FT.	6,750 SQ. FT.

R11-2
48" x 30"
ROAD CLOSED

TYPE III BARRICADE(S)
1

SEE TMP-5 FOR -L- CROSS-SECTIONS



R10-6
24" X 36"
STOP HERE ON RED
A

W3-3
48" X 48"
B

BE PREPARED TO STOP
W3-4
48" X 48"
C

ONE LANE ROAD AHEAD
W20-4
48" X 48"
35 M.P.H.
W13-1
24" X 24"
D

(DS)
PORT
NW SCHOOL RD.
CAMPBELL RD.

(PTS)
P
O
R
T
STA. 12+90+/- -L-

TEMPORARY PAVEMENT MARKING LEGEND	
P1	PAINT - WHITE EDGELINE - (4")
P4	PAINT - WHITE MINISKIP - (4")
P13	PAINT - YELLOW DOUBLE CENTER - (4")
P61	PAINT - WHITE STOP BAR - (24")

REFER TO RSD NOS. 1205.01, 1205.02, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: Docusigned by: Karmen Dais 596D9702496449...
DATE: 8/16/2021
NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KARMEN E. DAIS

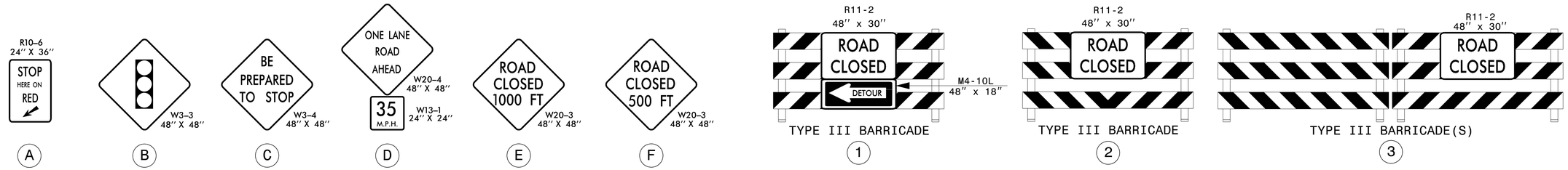
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

PHASE I DETAILS

4/24/2020
C:\Division\BR0002\Traffic\TrafficControl\TCP\BR0002_TC_PHI_TMP03.dgn
User:KEDAIS

PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-4



(DS)
PORT
-DR1-

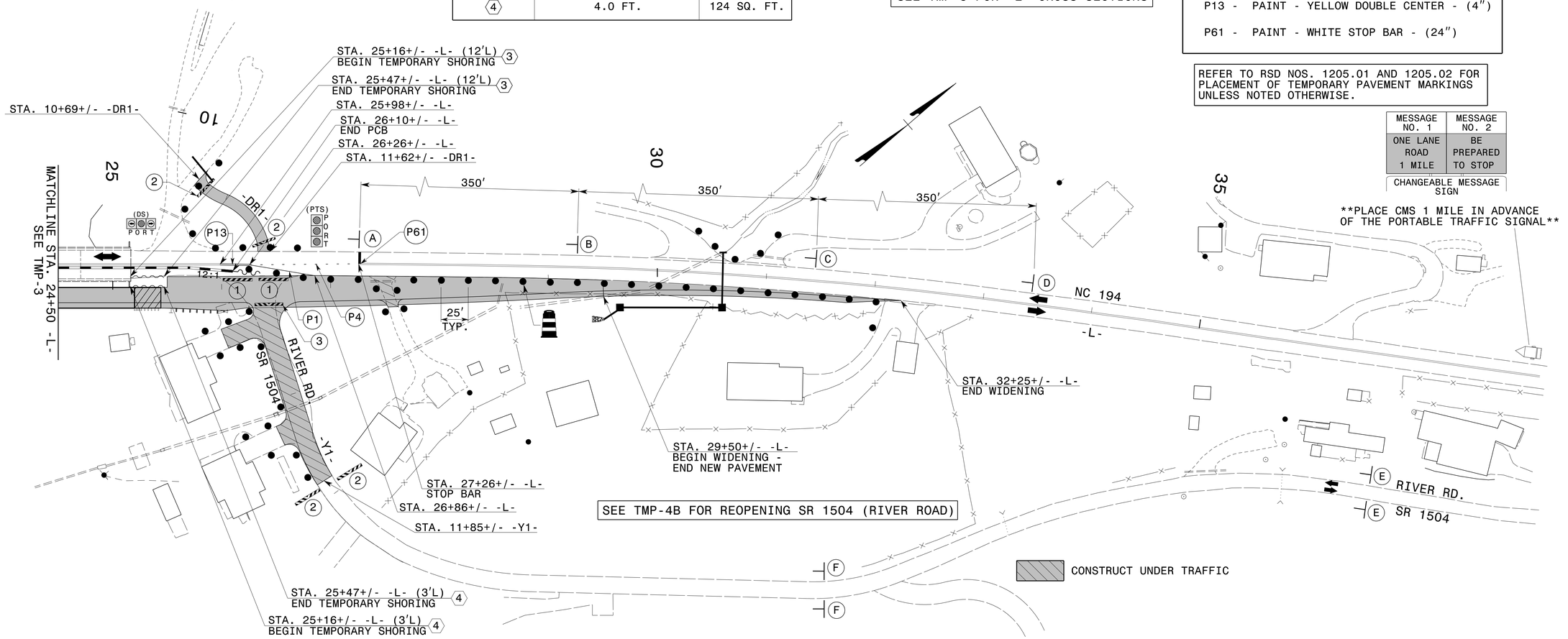
(PTS)
PORT
STA. 26+86+/- -L-

Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
3	4.0 FT.	124 SQ. FT.
4	4.0 FT.	124 SQ. FT.

SEE TMP-5 FOR -L- CROSS-SECTIONS

TEMPORARY PAVEMENT MARKING LEGEND	
P1	PAINT - WHITE EDGELINE - (4")
P4	PAINT - WHITE MINISKIP - (4")
P13	PAINT - YELLOW DOUBLE CENTER - (4")
P61	PAINT - WHITE STOP BAR - (24")

REFER TO RSD NOS. 1205.01 AND 1205.02 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS UNLESS NOTED OTHERWISE.



MESSAGE NO. 1	MESSAGE NO. 2
ONE LANE ROAD 1 MILE	BE PREPARED TO STOP

CHANGEABLE MESSAGE SIGN

PLACE CMS 1 MILE IN ADVANCE OF THE PORTABLE TRAFFIC SIGNAL

SEE TMP-4A FOR SR 1504 (RIVER ROAD) DETOUR

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS

APPROVED: Docusigned by: Karmen Dais 596D97024696449...

DATE: 8/16/2021

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 046203 KARMEN E. DAIS

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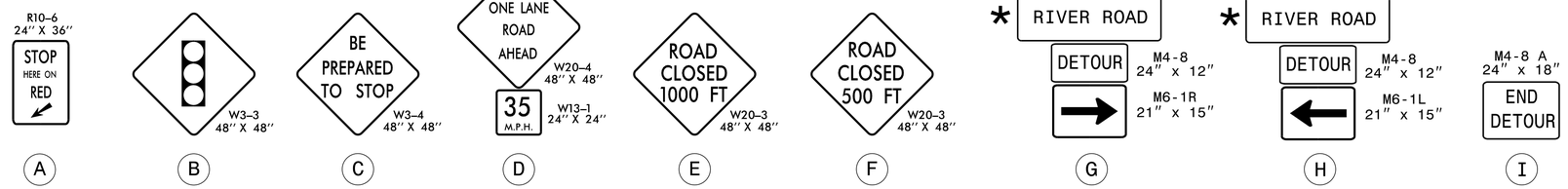
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

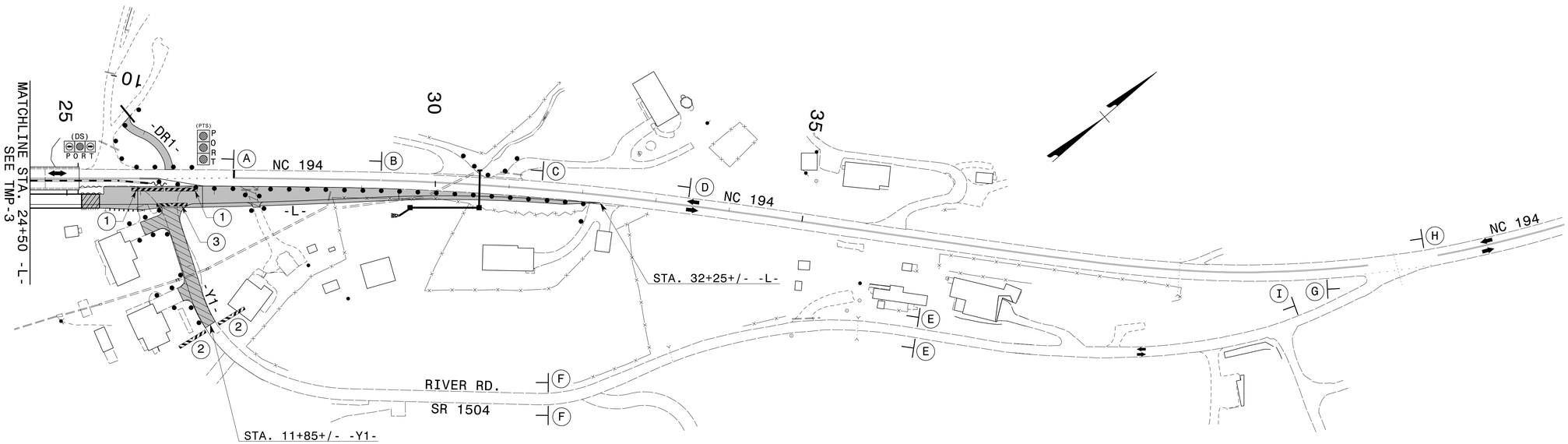
PHASE I DETAILS

4/24/2020
O:\Division\BR0002\Traffic\TrafficControl\TCP\BR0002_TC_PH1_TMP04.dgn
User:KEDAIS

PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-4A



* SEE SHEET TMP-2B FOR SIGN DESIGN



CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS

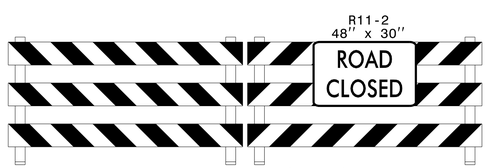
CONSTRUCT UNDER TRAFFIC

TYPE III BARRICADE

1

TYPE III BARRICADE

2



TYPE III BARRICADE(S)

3

APPROVED: DocuSigned by: Karmen Dais 596D97024696449...

DATE: 8/16/2021

NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KARMEN F. DAIS

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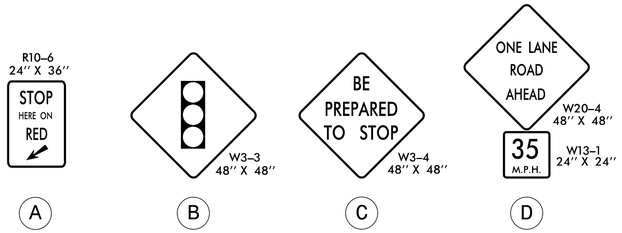
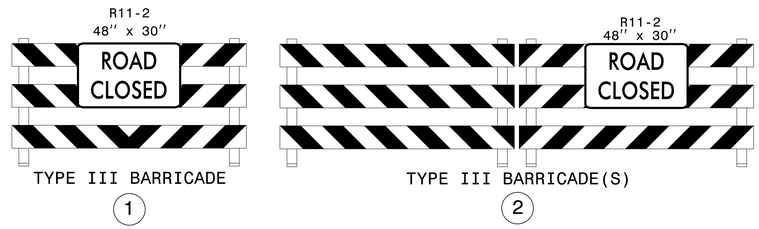
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

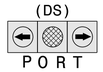
PHASE I DETAILS OFF-SITE DETOUR RIVER ROAD SR 1504

4/24/2020
O:\Division\BR0002\Traffic\TrafficControl\TCP\BR0002_TC_PHI_TMP04A.dgn
User:KEDAIS

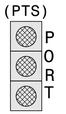
PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-4B







-DR1-
RIVER ROAD (-Y1-)

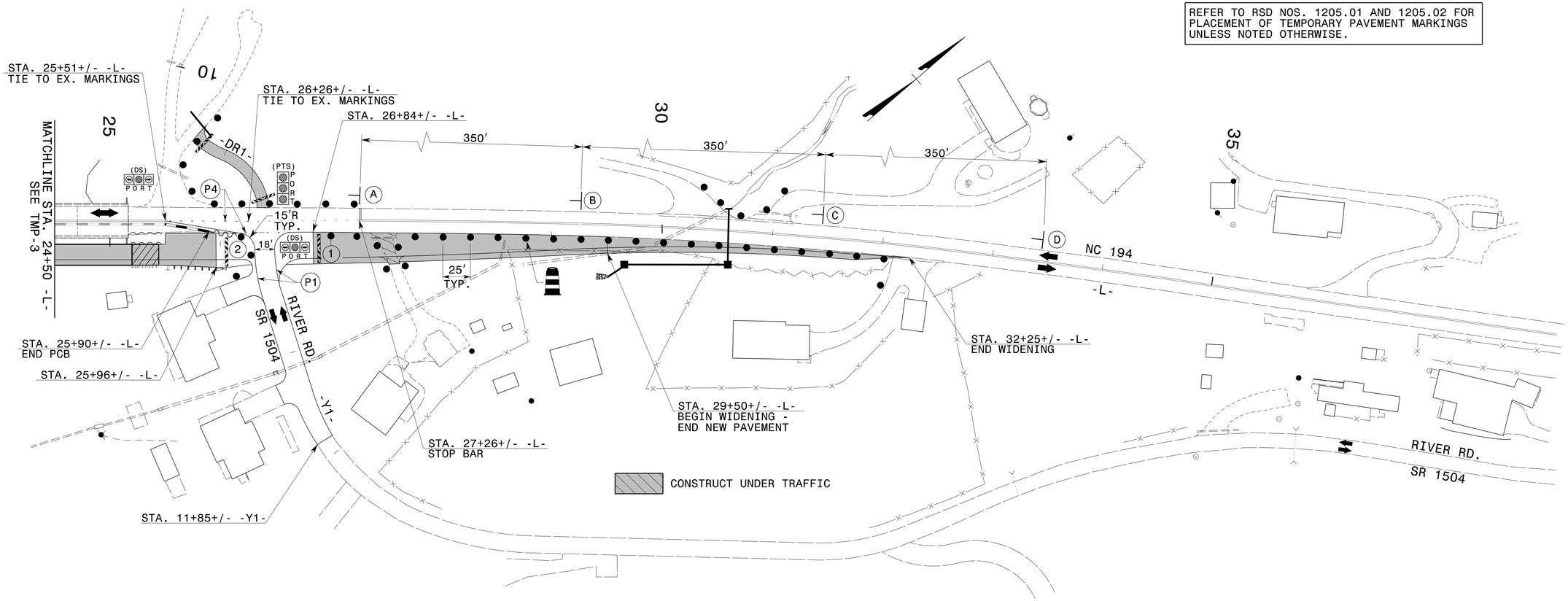


STA. 26+51+/- -L-

SEE TMP-5 FOR -L- CROSS-SECTIONS

TEMPORARY PAVEMENT MARKING LEGEND
P1 - PAINT - WHITE EDGELINE - (4")
P4 - PAINT - WHITE MINISKIP - (4")

REFER TO RSD NOS. 1205.01 AND 1205.02 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS UNLESS NOTED OTHERWISE.



CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS

APPROVED: DocuSigned by: Karmen Davis 596D07024696449...

DATE: 8/16/2021

NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KARMEN E. DAVIS

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

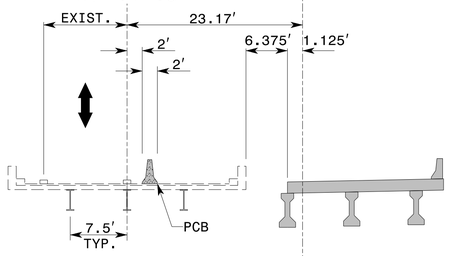
PHASE I DETAILS

4/24/2020
O:\Division\BR0002\Traffic\TrafficControl\TCP\BR0002_TC_PHI_TMP04B.dgn
User:KEDAIS

PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-5

℄
STA. 23+00 -L-

℄
EX. BRIDGE



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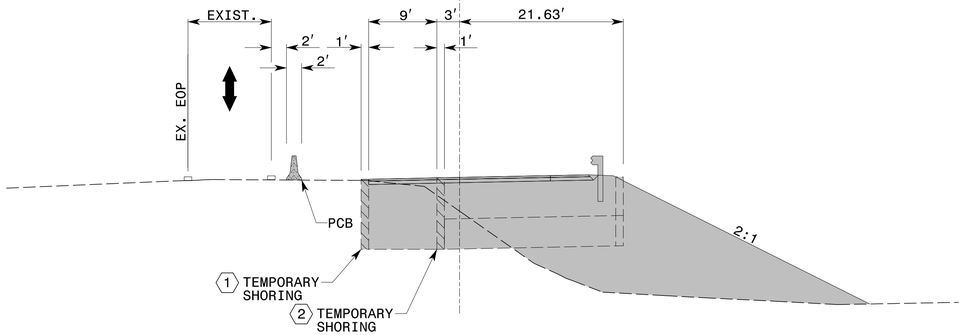
STA. 22+00 -L-



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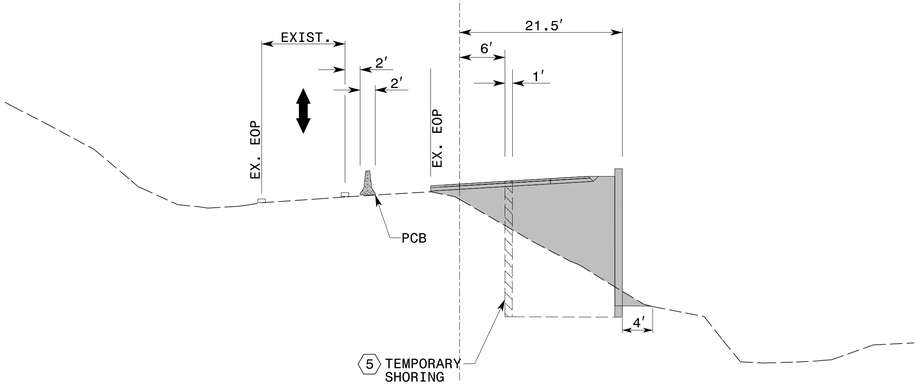
STA. 19+00 -L-



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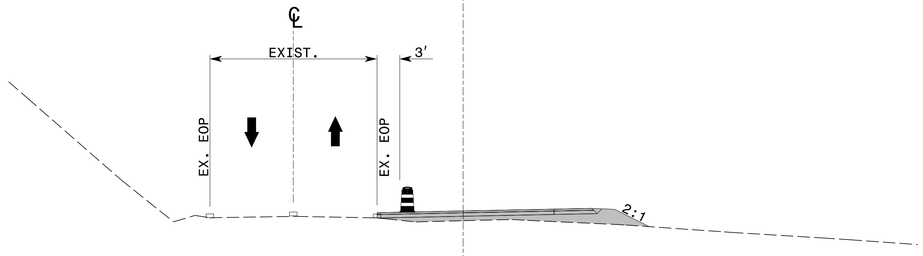
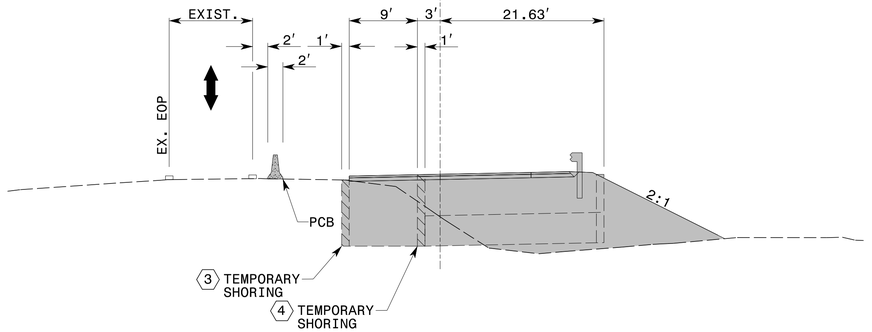
STA. 27+00 -L-

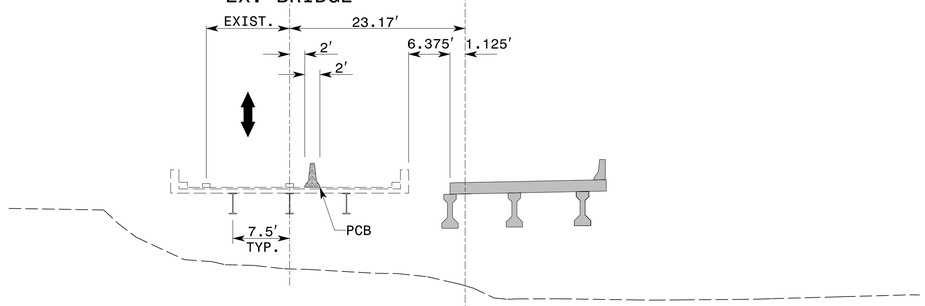


℄
STA. 25+50 -L-



℄
STA. 25+00 -L-

℄
EX. BRIDGE



APPROVED: DocuSigned by: Karmen Dais 596D9702469644...

DATE: 8/16/2021

NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KARMEN F. DAIS

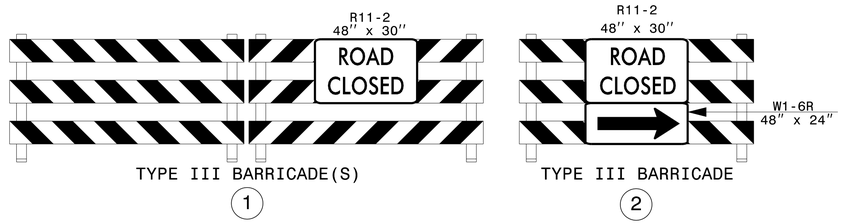
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

PHASE I
-L-
CROSS-SECTIONS

5/12/2020
D:\Division\BR0002\Traffic\TrafficControl\TCP\BR0002_TC_PHL_TMP05.dgn
User:kedris

PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-6



TYPE III BARRICADE(S)

(1)

TYPE III BARRICADE

(2)

TEMPORARY PAVEMENT MARKING LEGEND

C1(IV) - COLD APPLIED PLASTIC (TYPE 4) - WHITE EDGELINE - (4")

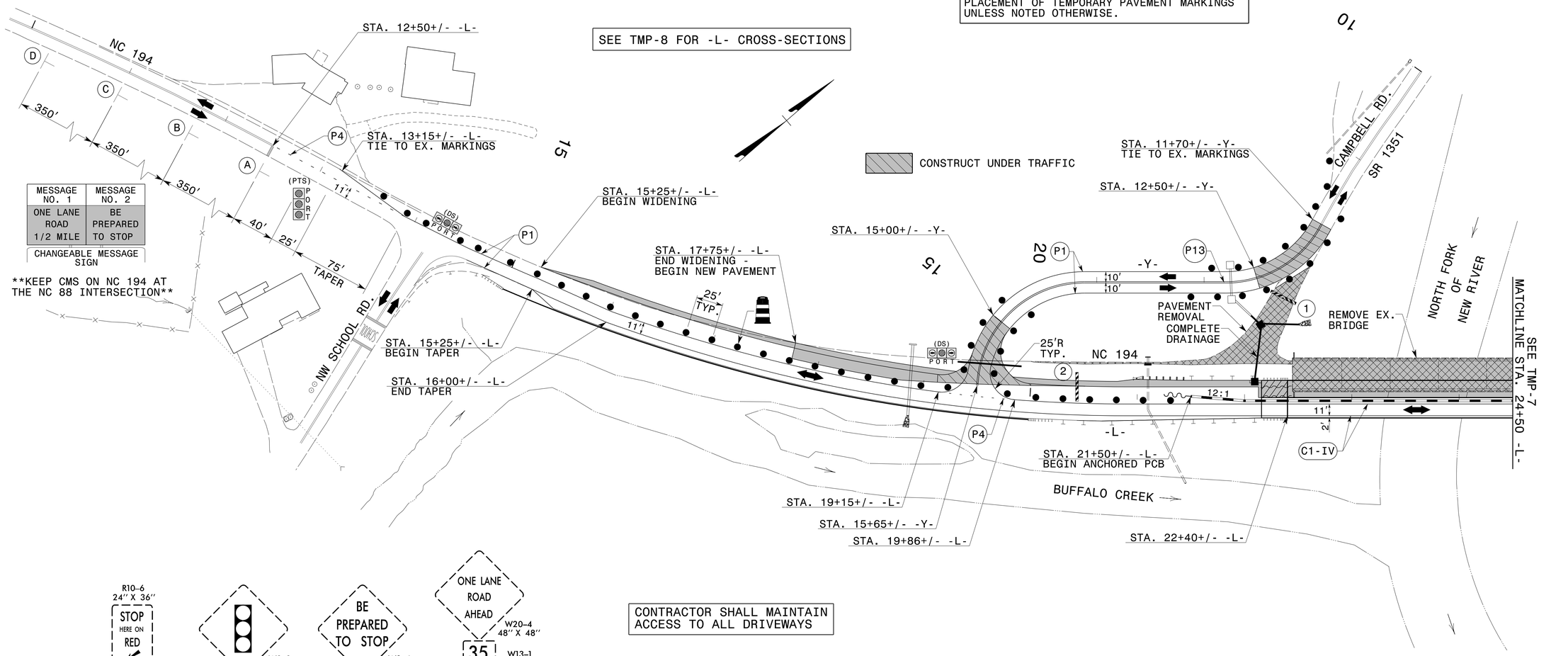
P1 - PAINT - WHITE EDGELINE - (4")

P4 - PAINT - WHITE MINISKIP - (4")

P13 - PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01 AND 1205.02 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS UNLESS NOTED OTHERWISE.

SEE TMP-8 FOR -L- CROSS-SECTIONS



CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS

(DS) PORT

NW SCHOOL RD.
CAMPBELL RD. (-Y-)

(PTS) PORT

STA. 12+90+/- -L-

APPROVED: Karmen Davis (DocuSigned by: 596D07024696449...)

DATE: 8/16/2021

NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KARMEN E. DAVIS

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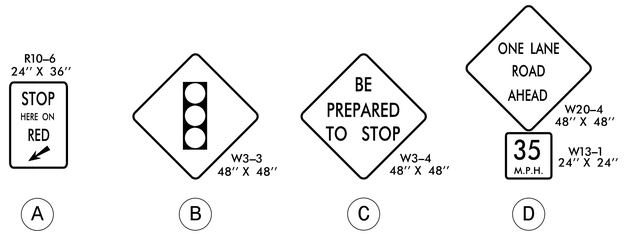
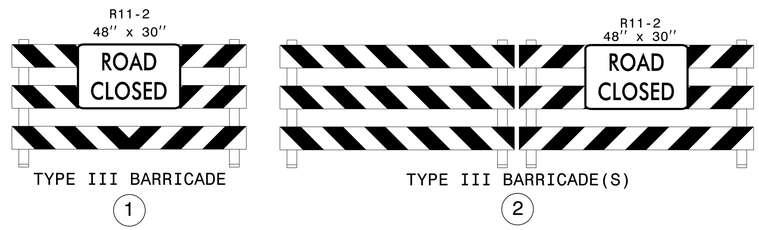
DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

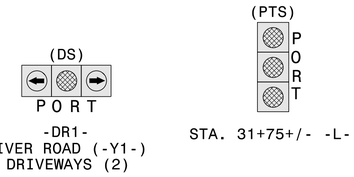
PHASE II DETAILS

4/24/2020
O:\Division\BR0002\Traffic\TrafficControl\TCP\BR0002_TC_PH2_TMP06.dgn
User:KEDAIS

PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-7







TEMPORARY PAVEMENT MARKING LEGEND

C1(IV) - COLD APPLIED PLASTIC (TYPE 4) - WHITE EDGELINE - (4")

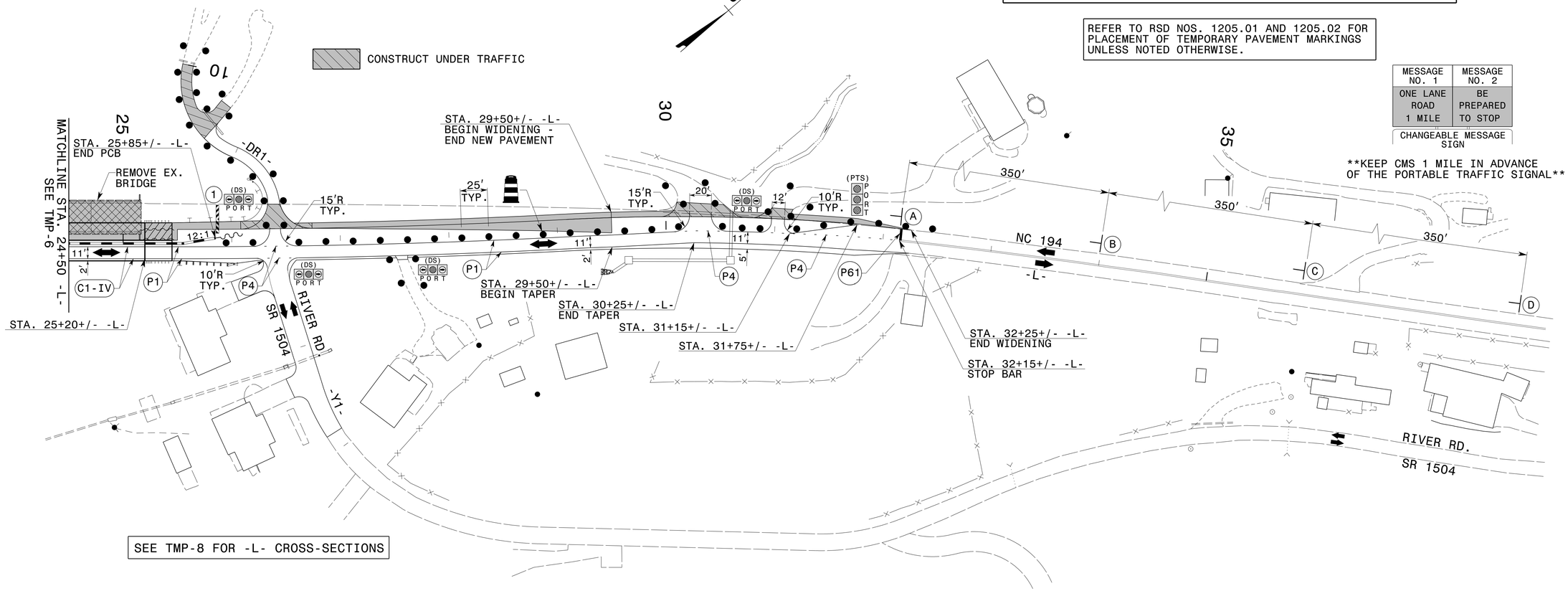
P1 - PAINT - WHITE EDGELINE - (4")

P4 - PAINT - WHITE MINISKIP - (4")

P61 - PAINT - WHITE STOP BAR - (24")

REFER TO RSD NOS. 1205.01 AND 1205.02 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS UNLESS NOTED OTHERWISE.

CONSTRUCT UNDER TRAFFIC



MESSAGE NO. 1	MESSAGE NO. 2
ONE LANE ROAD 1 MILE	BE PREPARED TO STOP

CHANGEABLE MESSAGE SIGN

KEEP CMS 1 MILE IN ADVANCE OF THE PORTABLE TRAFFIC SIGNAL

SEE TMP-8 FOR -L- CROSS-SECTIONS

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS

APPROVED: DocuSigned by: Karmen Davis 596D0702469644...

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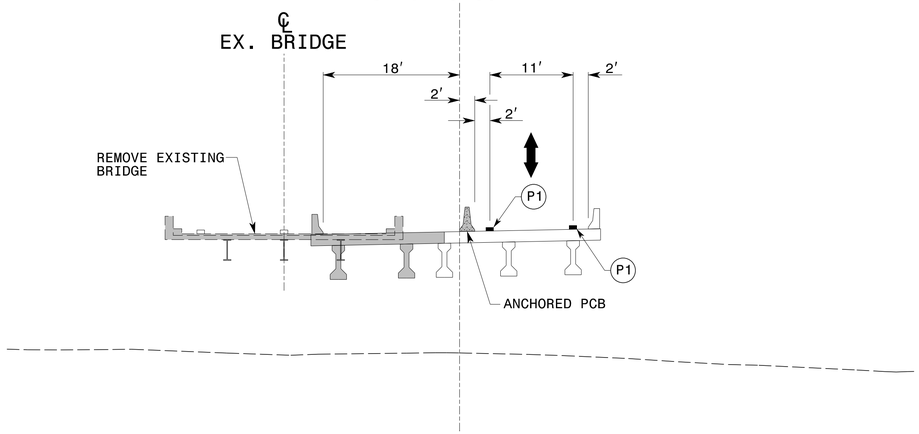
DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL

PHASE II DETAILS

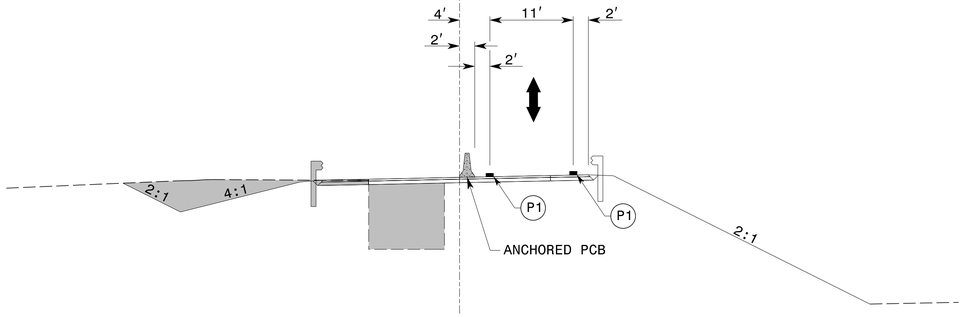
4/24/2020
O:\Division\BR0002\Traffic\TrafficControl\TCP\BR0002_TC_PH2_TMP07.dgn
User:KEDAIS

PROJ. REFERENCE NO.	SHEET NO.
BR-0002	TMP-8

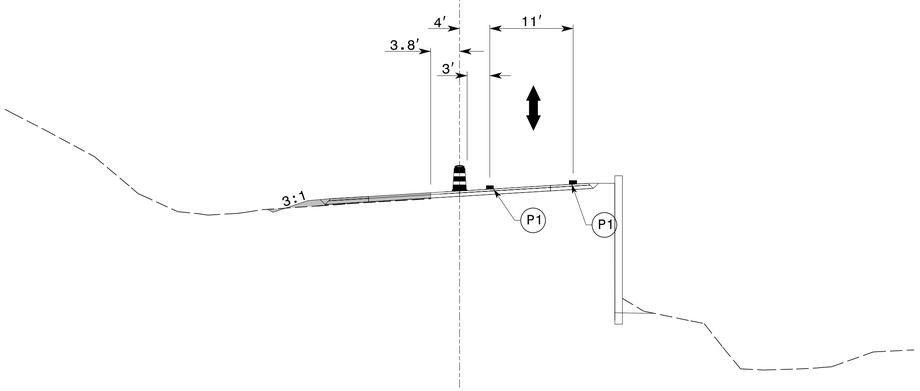
STA. 23+00 -L-



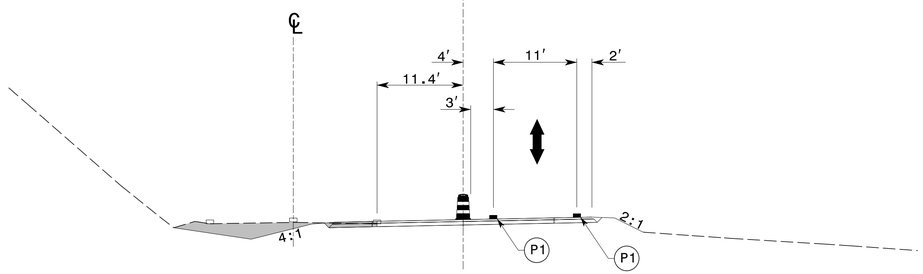
STA. 22+00 -L-



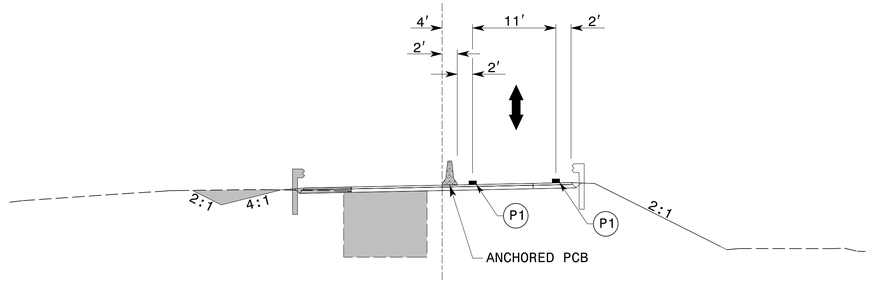
STA. 19+00 -L-



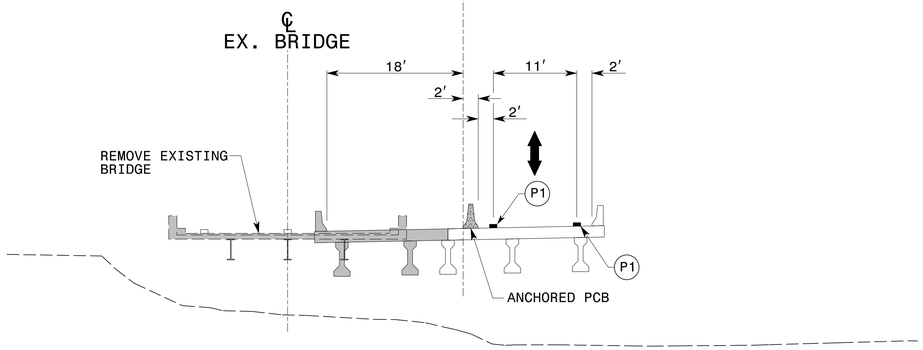
STA. 27+00 -L-



STA. 25+50 -L-



STA. 25+00 -L-



APPROVED: Docusigned by: karmen Dais 596D9702469644...

DATE: 8/16/2021

NORTH CAROLINA PROFESSIONAL SEAL 046203 ENGINEER KARMEN E. DAIS

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PHASE II -L- CROSS-SECTIONS

5/12/2020
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User:keedis