STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PLAN FOR PROPOSED
TRAFFIC CONTROL, MARKING & DELINEATION

CASWELL COUNTY

B-4057

TIP PROJECT:

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS"- PROJECT SERVICES UNIT-N.C. DEPARTMENT OF TRANSPORTATION-RALEIGH, N.C., DATED JULY 2006 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - 2 LANE & MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS (TEMPORARY & PERMANENT)
1261.01	GUARDRAIL & BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL & BARRIER DELINEATOR TYPES
1262.01	GUARDRAIL END DELINEATION

INDEX OF SHEETS

LEGEND

GENERAL
- DIRECTION OF TRAFFIC FLOW
- NORTH ARROW
- PROPOSED PVMT. ----- EXIST. PVMT.
- WORK AREA
- REMOVAL OF EXISTING PAVEMENT

TRAFFIC CONTROL DEVICES
- TYPE III BARRICADE
- DRUM
- CRASH CUSHION

SYMBOL	DESCRIPTION	PAY ITEM QUANTITY BREAKDOWN		TOTAL QUANTITY	
	TEMPORARY PAVEMENT MARKING SCHEDULE				
	PAVEMENT MARKINGS				
	PAINT 4"				
PA	WHITE EDGELINE	6000	LF		
PI	YELLOW DOUBLE CENTER	5940	LF		
PD	2 FT. MINI-SKIP	13	LF		
				TOTAL 11953	LF
	PAINT 24"				
P4	STOPBAR	85	LF		
				TOTAL 85	LF
	TEMPORARY RAISED MARKERS				
MH	YELLOW & YELLOW	137	EA		
				TOTAL 137	EA
	FINAL PAVEMENT MARKING SCHEDULE				
	PAVEMENT MARKINGS				
	PAINT 4"				
PA	WHITE EDGELINE	3640	LF		
PI	YELLOW DOUBLE CENTER	3600	LF		
PD	2 FT. MINI-SKIP	27	LF		
				TOTAL 7267	LF
	PAINT 24"				
P4	STOPBAR	50	LF		
				TOTAL 50	LF
	PERMANENT RAISED MARKERS				
MA	YELLOW & YELLOW	18	EA		
				TOTAL 18	EA

APPROVED: Meredith McDiarmid
DATE: 4/21/08

SEAL — NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 025895 MEREDITH M. McDIARMID

PLAN PREPARED BY: N.C.D.O.T. WORK ZONE TRAFFIC CONTROL UNIT

J. S. Bourne	TRAFFIC CONTROL ENGINEER
M. M. McDiarmid	TRAFFIC CONTROL PROJECT ENGINEER
C. B. Howard	TRAFFIC CONTROL PROJECT DESIGN ENGINEER
M. D. Stokes	TRAFFIC CONTROL DESIGN ENGINEER / TECHNICIAN

PROJECT NOTES

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.

LANE AND SHOULDER CLOSURE REQUIREMENTS

A) 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.

B) 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.

C) 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.

F) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

G) 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 WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

H) 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 FEET IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

J) 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.

K) STATE FORCES WILL BE RESPONSIBLE FOR PERMANENT SIGNING.

L) PROVIDE DETOUR SIGNING WITHIN AND OFF THE PROJECT LIMITS.

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

TRAFFIC CONTROL DEVICES

N) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT. WHEN SKINNY DRUMS ARE ALLOWED, REFER TO SECTION 1180 OF STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES OR AS SHOWN IN THE PLANS.

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 PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
SR 1503	PAINT	PERMANENT RAISED
SR 1505	PAINT	PERMANENT RAISED

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

ROAD NAME	MARKING	MARKER
SR 1503	PAINT	TEMPORARY RAISED
SR 1505	PAINT	TEMPORARY RAISED

R) PLACE TWO APPLICATIONS OF PAINT PAVEMENT MARKINGS ON THE FINAL WEARING SURFACE. PLACE THE SECOND APPLICATION OF PAINT UPON SUFFICIENT DRYING TIME OF THE FIRST.

S) 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.

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

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

MISCELLANEOUS

V) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAYS 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) 500 FEET AND 1000 FEET RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

APPROVED: M McDiarmid DATE: 4/21/08

SEAL — NORTH CAROLINA PROFESSIONAL SEAL 025895 ENGINEER MEREDITH M. McDIARMID

PROJECT NOTES

SCALE:	NONE		REVISIONS
DATE:	03-08		
DWG. BY:	MDS		
DESIGN BY:	MDS		
REVIEWED BY:	CBH	CADD FILE	

PHASING

PHASE I

NOTE: MAINTAIN TRAFFIC ACCESS TO THE DRIVEWAYS LOCATED WITHIN THE PROJECT LIMITS AS DIRECTED BY THE ENGINEER.

IF GUARDRAIL INSTALLATION CANNOT BE COMPLETED IN ONE WORKING DAY AND THE UNPROTECTED GUARDRAIL END IS WITHIN 30 FEET OF AN OPEN TRAVEL LANE, PROTECT THE EXPOSED END OF THE GUARDRAIL USING AN APPROVED METHOD UNTIL THE INSTALLATION IS COMPLETE.

STEP 1: - INSTALL ADVANCE WORK ZONE WARNING SIGNS ON -L- SR 1503 AND -Y- SR 1505 IN ACCORDANCE WITH SHEET TCP-7. IF SIGNS ARE INSTALLED MORE THAN THREE(3)DAYS BEFORE CONSTRUCTION BEGINS, COVER SIGNS ACCORDING TO STANDARD SPECIFICATION SECTION 1110-1 AND 1110-3.

STEP 2: - AWAY FROM TRAFFIC, INSTALL THE TEMPORARY 15 INCH PIPE AT -DET- STA. 12+94+/-.

- USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, CONSTRUCT DETOUR BRIDGE, DETOUR GUARDRAIL, AND ONSITE DETOUR UP TO EDGE AND ELEVATION OF EXISTING ROADWAY SR 1503 FROM -DET- STA. 10+25+/- TO -DET- STA. 15+65+/- AND -DET- STA. 16+10+/- TO -DET- STA. 19+00+/-. INSTALL SHORING ON SOUTH SIDE OF -L- FROM -L- STA. 22+60+/- TO -L- STA. 22+90+/-. USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, MAINTAIN TRAFFIC ON -Y- SR 1505 DURING CONSTRUCTION. INSTALL TYPE III BARRICADES AND DRUMS TO CLOSE DETOUR TO TRAFFIC. SEE SHEET TCP-4.

STEP 3: - WORKING IN A CONTINUOUS MANNER AND USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, COMPLETE CONSTRUCTION OF -DET- AS DIRECTED BY THE ENGINEER FROM -DET- STA. 15+65+/- TO -DET- STA.16+10+/- AND -YDET- FROM -YDET- STA. 10+60+/- TO -YDET- STA. 11+37+/-. TIE-IN -YDET- UP TO EXISTING EDGE AND ELEVATION OF SR 1503 TO MAINTAIN EXISTING TRAFFIC PATTERN. SEE SHEET TCP-4, DETAIL 'A'.

- USING ROADWAY STANDARD DRAWING 1101.03, SHEET 3 OF 9, INSTALL AND COVER WORK ZONE SIGNING FOR THE ONSITE DETOUR.
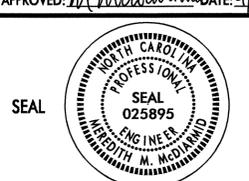
PHASE II

STEP 1: - USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, TIE-IN -DET- TO EXISTING ROADWAY SR 1503 FROM -DET- STA. 10+00+/- TO -DET- STA. 10+25+/- AND FROM -DET- STA. 19+00+/- TO -DET- STA. 19+65+/-. USING ROADWAY STANDARD DRAWING 1101.03, SHEET 3 OF 9, AND SHEET TCP-5, PLACE TEMPORARY PAINT PAVEMENT MARKINGS, TEMPORARY PAVEMENT MARKERS AND TEMPORARY STOP SIGN. SEE SHEET TCP-1 FOR TEMPORARY PAVEMENT MARKING SCHEDULE.

- UNCOVER SIGNING FOR DETOUR AND USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, SHIFT TRAFFIC ONTO CONSTRUCTED DETOUR. PLACE TYPE III BARRICADES AND DRUMS TO CLOSE -L- TO TRAFFIC. SEE SHEET TCP-5.

STEP 2: - CONSTRUCT BRIDGE AND PROPOSED -L- UP TO BUT NOT INCLUDING FINAL SURFACE COURSE FROM -L- STA. 24+85+/- (END BRIDGE) TO -L- STA. 26+75+/-. ADD SUITABLE MATERIAL AS DIRECTED BY THE ENGINEER FOR SMOOTH TRANSITION FROM PROPOSED -L- TO EXISTING -YDET- ROADWAY. INSTALL PROPOSED NORTH SIDE GUARDRAIL ONLY FROM -L- STA. 20+87+/- TO -L- STA. 22+75+/- AND FROM -L- STA. 24+85+/- TO -L- STA. 26+00+/-, SOUTH SIDE GUARDRAIL TO BE INSTALLED DURING PHASE III, STEP 4. INSTALL TEMPORARY CRASH CUSHIONS TO SOUTH SIDE BRIDGE RAILINGS AT -L- STA. 22+75+/- AND -L- STA. 24+85+/-. SEE SHEET TCP-5.
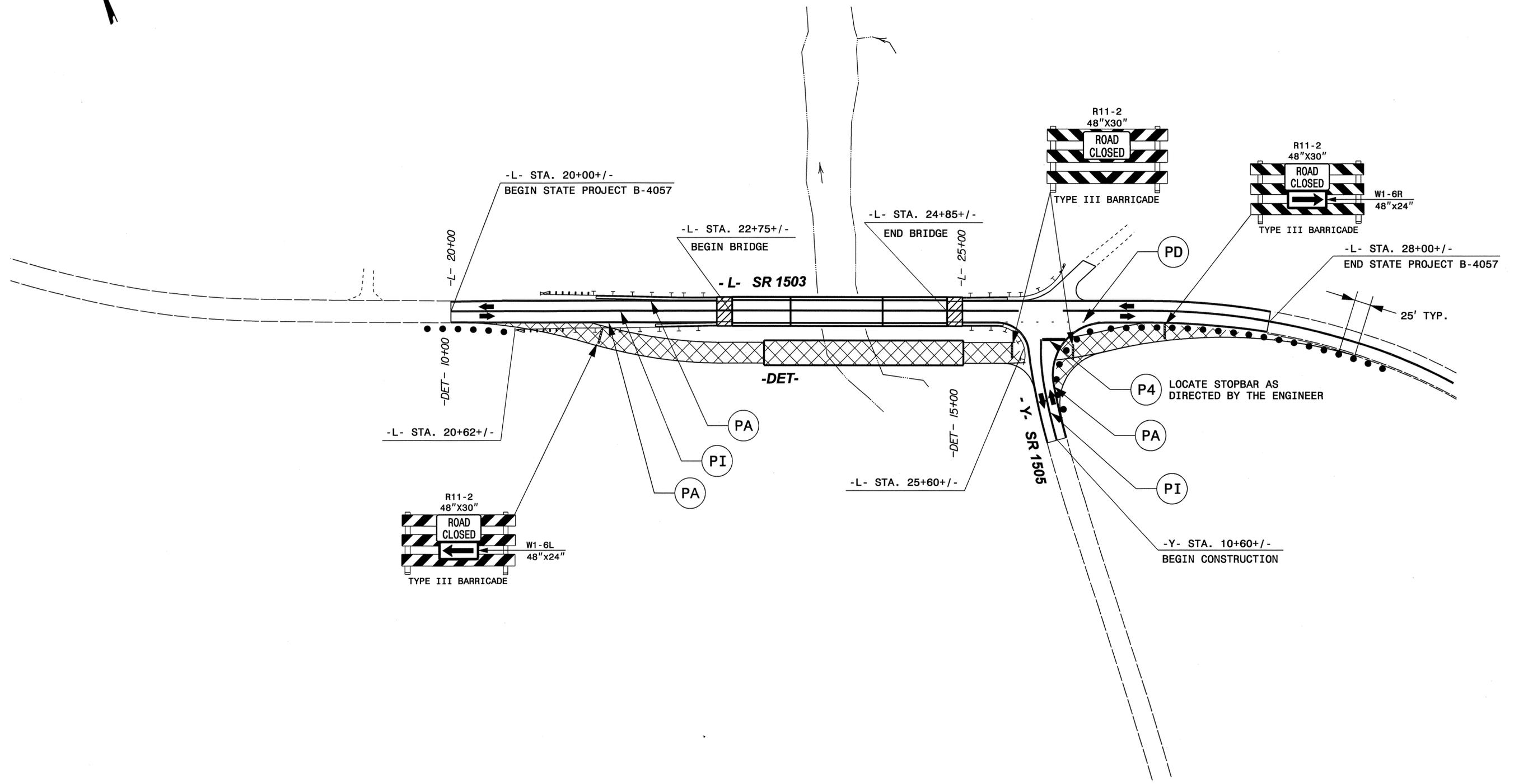
PHASE III

WORKING IN A CONTINUOUS MANNER, COMPLETE STEPS 1 AND 2

STEP 1: - PLACE TEMPORARY PAINT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON -L- FROM -L- STA. 20+00+/- TO -L- STA. 28+00+/- AND TIE-IN TO PAVEMENT MARKINGS ON EXISTING SR 1503. SEE SHEET TCP-6 FOR TEMPORARY PAVEMENT MARKING PLACEMENT AND SHEET TCP-1 FOR TEMPORARY PAVEMENT MARKING SCHEDULE.

STEP 2: - USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, REMOVE DETOUR SIGNING AND BARRICADES AND SHIFT TRAFFIC TO PROPOSED -L- SR 1503. INSTALL TYPE III BARRICADES AND DRUMS TO CLOSE -DET- TO TRAFFIC, BUT CONTINUE TO MAINTAIN TRAFFIC PATTERN FROM -YDET- ROADWAY ONTO PROPOSED -L- ROADWAY. OBLITERATE ANY CONFLICTING MARKINGS. SEE SHEET TCP-6.

STEP 3: - USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, CONSTRUCT UP TO BUT NOT INCLUDING THE FINAL SURFACE COURSE OF PROPOSED -Y- FROM -Y- STA. 10+60+/- TO EDGE AND ELEVATION OF PROPOSED -L-.

- USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, PLACE TEMPORARY PAINT MARKINGS AND TEMPORARY PAVEMENT MARKERS TO TIE-IN PROPOSED -Y- TO PROPOSED -L- AND TO EXISTING SR 1505. SEE SHEET TCP-6 FOR TEMPORARY PAVEMENT MARKING PLACEMENT AND SHEET TCP-1 FOR TEMPORARY PAVEMENT MARKING SCHEDULE.

STEP 4: - USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, REMOVE -DET-, -DET- BRIDGE AND SHORING.

- USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, INSTALL PROPOSED SOUTH SIDE GUARDRAIL ON PROPOSED -L- FROM -L- STA. 20+62+/- TO -L- STA. 22+75+/- AND FROM -L- STA. 24+85+/- TO -L- STA. 25+60+/-.

STEP 5: - USING ROADWAY STANDARD DRAWING 1101.02, SHEET 1 OF 9, PLACE FINAL LAYER OF SURFACE COURSE, FINAL PAINT MARKINGS AND PERMANENT RAISED MARKERS ON PROPOSED -L- AND -Y-. SEE SHEET TCP-6 FOR FINAL PAVEMENT MARKING PLACEMENT AND SHEET TCP-1 FOR FINAL PAVEMENT MARKING SCHEDULE.

- REMOVE ALL REMAINING TEMPORARY TRAFFIC CONTROL DEVICES AND OPEN -L- SR 1503 AND -Y- SR 1505 TO TRAFFIC.

-DET- AND -YDET- CONSTRUCTION

TEMPORARY SHORING NO. 1

FOR TEMPORARY SHORING, SEE TEMPORARY
SHORING (SPECIAL) PROVISION.

WHEN USING CONTRACTOR DESIGNED SHORING FROM
STATION 22+60 -L- TO 22+90 -L-, 22 FT. RIGHT, DESIGN
SHORING FOR THE FOLLOWING IN-SITU ASSUMED SOIL PARAMETERS:
  UNIT WEIGHT OF SOIL ABOVE WATER TABLE, γ = 120 PCF
  UNIT WEIGHT OF SOIL BELOW WATER TABLE, γ' = 60 PCF
  FRICTION ANGLE, ϕ = 30 DEGREES
  COHESION, c = 0 PSF

FOR CONTRACTOR DESIGNED SHORING, SURVEY THE SHORING
LOCATION TO DETERMINE EXISTING ELEVATIONS AND ACTUAL
DESIGN HEIGHTS BEFORE BEGINNING DESIGN.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE
PROVIDED THROUGH A SEALED DOCUMENT FROM THE
GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS
SUBMITTED TO THE WZTCU ON APRIL 18, 2008 AND
SEALED BY A PROFESSIONAL ENGINEER, THEIN TUN ZAN,
LICENSE #30943.

① TEMPORARY SHORING
-L- STA. 22+60+/- TO
-L- STA. 22+90+/-,
QUANTITY = 180 SQ.FT.,
SEE TEMPORARY SHORING
NOTES ON THIS SHEET

R11-2
48"X30"
ROAD CLOSED
W1-6R
48"x24"
TYPE III BARRICADE

-L- STA. 20+00+/-
BEGIN STATE PROJECT B-4057

-L- STA. 28+00+/-
END STATE PROJECT B-4057

-DET- STA. 10+00+/-
BEGIN CONSTRUCTION

-DET- STA. 19+65+/-
END CONSTRUCTION

-L- 20+00

25' TYP.

B

- L- SR 1503

-L- 25+00

-DET- STA. 10+25+/-

-DET- 10+00

B

-DET-

TEMP 15" CSP

-DET- STA. 12+94+/-

-DET- 15+00

DETAIL 'A'

-DET- STA. 16+10+/-

- Y- SR 1505

R11-2
48"X30"
ROAD CLOSED

TYPE III BARRICADE

-DET- STA. 19+00+/-

R11-2
48"X30"
ROAD CLOSED
W1-6L
48"x24"
TYPE III BARRICADE

R11-2
48"X30"
ROAD CLOSED
TYPE III BARRICADE

-DET- STA. 15+65+/-

DETAIL 'A'

-YDET- STA. 11+37+/-

-DET- STA. 15+65+/-

-DET- STA. 16+10+/-

-Y- SR 1505

-YDET- STA. 10+60+/-
BEGIN CONSTRUCTION

-L- SHORING DETAIL

-L-

22'

SHORING

-DET-

SECTION B-B @ -L- STA. 22+75

PHASE I DETAIL

SCALE:	NONE
DATE:	03-08
DWG. BY:	MDS
DESIGN BY:	MDS
REVIEWED BY:	CBH

REVISIONS

CADD FILE

-L- CONSTRUCTION

-L- STA. 20+00+/-
BEGIN STATE PROJECT B-4057

-L- STA. 20+87+/-

-L- STA. 22+75+/-
BEGIN BRIDGE

-L- STA. 24+85+/-
END BRIDGE

-L- STA. 26+00+/-

R11-2
48"X30"
ROAD CLOSED
TYPE III BARRICADE

-L- STA. 28+00+/-
END STATE PROJECT B-4057

-DET- STA. 10+00+/-
BEGIN CONSTRUCTION

-L- STA. 26+75+/-

-DET- STA. 19+65+/-
END CONSTRUCTION

- L- SR 1503

-L- 20+00

-L- 25+00

-DET- 10+00

-DET-

-DET- 15+00

R11-2
48"X30"
ROAD CLOSED
TYPE III BARRICADE

W1-6R
48"x24"

TEMPORARY CRASH
CUSHION

PA

PI

PA

TEMPORARY CRASH
CUSHION

PI

-YDET- SR 1505

PA

*

R11-2
48"X30"
ROAD CLOSED
TYPE III BARRICADE

W1-6L
48"x24"

INSTALL TEMPORARY STOP SIGN
AS DIRECTED BY THE ENGINEER

P4 LOCATE STOPBAR AS
DIRECTED BY THE ENGINEER

-YDET- STA. 10+60+/-

APPROVED: _____ DATE: 4/21/8

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
025895
ENGINEER
MEREDITH M. McDIAMID

PHASE II DETAIL

SCALE:	NONE
DATE:	03-08
DWG. BY:	MDS
DESIGN BY:	MDS
REVIEWED BY:	CBH

DIVISION OF HIGHWAYS

REVISIONS

-DET- REMOVAL, -L- AND -Y- COMPLETION

-L- STA. 20+00+/-
BEGIN STATE PROJECT B-4057

-L- STA. 22+75+/-
BEGIN BRIDGE

-L- STA. 24+85+/-
END BRIDGE

- L- SR 1503

-DET-

-L- STA. 20+62+/-

-L- STA. 25+60+/-

R11-2
48"X30"
ROAD CLOSED
TYPE III BARRICADE

R11-2
48"X30"
ROAD CLOSED
W1-6R
48"x24"
TYPE III BARRICADE

-L- STA. 28+00+/-
END STATE PROJECT B-4057

25' TYP.

PD

P4

LOCATE STOPBAR AS
DIRECTED BY THE ENGINEER

PA

PI

-Y- SR 1505

-Y- STA. 10+60+/-
BEGIN CONSTRUCTION

PA

PI

PA

R11-2
48"X30"
ROAD CLOSED
W1-6L
48"x24"
TYPE III BARRICADE

-L- 20+00

-DET- 10+00

-L- 25+00

-DET- 15+00

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AT WZTC224243

APPROVED: M McDaniel DATE: 4/21/08

SEAL

NORTH CAROLINA
PROFESSIONAL
SEAL
025895
ENGINEER
MEREDITH M. McDANIID

PHASE III DETAIL

SCALE:	NONE		REVISIONS
DATE:	03-08		
DWG. BY:	MDS		
DESIGN BY:	MDS		
REVIEWED BY:	CBH		

TWO-WAY UNDIVIDED ** (L-LINES)

HIGHWAY WORK ZONE

END ROAD WORK G20-2a 48"X24"

ROAD WORK AHEAD W20-1 48"X48"

CONSTRUCTION LIMITS

ROAD WORK AHEAD W20-1 48"X48"

END ROAD WORK G20-2a 48"X24"

POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING $\otimes$
≤ 50	500'
≥ 55	1000'

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)

-Y- LINES

MAIN ROADWAY WORK ZONE

END ROAD WORK G20-2a 48"X24"

CONSTRUCTION LIMITS

ROAD WORK AHEAD W20-1 48"X48"

-Y- LINE

CONSTRUCTION LIMITS

ROAD WORK AHEAD W20-1 48"X48"

END ROAD WORK G20-2a 48"X24"

GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.

- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.

- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.

- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.

- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.

- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.

- DO NOT BACK BRACE SIGN SUPPORTS.

- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND
⊢ STATIONARY SIGN
◀ DIRECTION OF TRAFFIC FLOW

DETAIL DRAWING FOR
TWO-WAY UNDIVIDED
WORK ZONE WARNING SIGNS

SHEET 1 OF 1

21-APR-2008 11:18
\dot\cfsroot0\Nsspro\Tipprojects-b\04057\trafficcontrol\tcp\trafficcontrol\tcp\B4057_TC_TCP-7.dgn
dstokes
AT WZTC224243