

GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
15B.13.1	TCP-2

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

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 FOR ALL WORK EXCEPT FOR THE INSTALLATION OF NEW AERIAL CABLE SYSTEM AND ASSOCIATED EQUIPMENT AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. US 421, US 17, US 74 AND US 76	MONDAY THRU THURSDAY YEAR ROUND 6:00 A.M. TO 7:00 P.M.
2. US 421, US 17, US 74 AND US 76	AND MEMORIAL DAY TO THE NEXT LABOR DAY FRIDAY 6:00 A.M. TO SUNDAY 7:00 P.M.
3. US 421, US 17, US 74 AND US 76	LABOR DAY TO THE NEXT MEMORIAL DAY FRIDAY THRU SUNDAY 6:00 A.M. TO 7:00 P.M.

- B) DO NOT CLOSE OR NARROW TRAVEL LANES FOR THE INSTALLATION OF NEW AERIAL CABLE SYSTEM AND ASSOCIATED EQUIPMENT AS FOLLOWS:

1. US 421SB, US 17NB, US 74EB AND US 76EB	FROM MEMORIAL DAY TO THE NEXT LABOR DAY MONDAY THRU THURSDAY 6:00 A.M. TO 9:00 A.M. MONDAY THRU THURSDAY 3:00 P.M. TO 7:00 P.M. FRIDAY THRU SUNDAY 6:00 A.M. TO 7:00 P.M.
2. US 421SB, US 17NB, US 74EB AND US 76EB	FROM LABOR DAY TO THE NEXT MEMORIAL DAY MONDAY THRU SATURDAY 6:00 A.M. TO 9:00 A.M. MONDAY THRU SATURDAY 3:00 P.M. TO 7:00 P.M. SUNDAY 6:00 A.M. TO 7:00 P.M.

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

ROAD NAME	HOLIDAY
1. US 421, US 17, US 74 AND US 76	FOR ANY EVENT THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
	FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31ST TO 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A SATURDAY OR A SUNDAY, THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
	FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 7:00 P.M. MONDAY.
	FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
	FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE DAY AFTER INDEPENDENCE DAY.
	IF INDEPENDENCE DAY IS ON A SATURDAY OR SUNDAY, THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
	FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
	FOR THANKSGIVING, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 7:00 P.M. MONDAY.
	FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING MONDAY AFTER THE WEEK OF CHRISTMAS.
	FOR THE AZALEA FESTIVAL, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY BEFORE THE WEEKEND OF THE AZALEA FESTIVAL TO 7:00 P.M. MONDAY AFTER THE WEEKEND OF THE AZALEA FESTIVAL.
	FOR THE RIVERFEST, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY BEFORE THE WEEKEND OF THE RIVERFEST TO 7:00 P.M. MONDAY AFTER THE WEEKEND OF THE RIVERFEST.

- D) DO NOT STOP TRAFFIC OR CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
1. US 421, US 17, US 74 AND US 76	MONDAY THRU SUNDAY 5:00 A.M. TO 11:00 P.M.

- E) DO NOT STOP TRAFFIC FOR MORE THAN THIRTY (30) MINUTES AS FOLLOWS:

ROAD NAME	OPERATION
1. US 421NB, US 17SB, US 74WB AND US 76WB	GATE AND SIGNAL INSTALLATION, CRANE OPERATIONS AND ROLLING ROAD BLOCKS

- F) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR OTHERWISE DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- G) 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.
- H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 40 FT (12m) 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.
- I) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT (1.5m) 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 (3m) 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.
- J) 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.

- K) DO NOT PERFORM WORK INVOLVING HEAVY EQUIPMENT WITHIN 15 FT (5m) OF THE EDGE OF TRAVELWAY WHEN WORK IS BEING PERFORMED BEHIND A LANE CLOSURE ON THE OPPOSITE SIDE OF THE TRAVELWAY.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- M) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 100 FT (31m) FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- WHEN NO WORK IS BEING CONDUCTED FOR A PERIOD LONGER THAN ONE WEEK, REMOVE OR COVER ALL ADVANCE WORK ZONE WARNING SIGNS, AS DIRECTED BY THE ENGINEER, AT NO COST TO THE DEPARTMENT.
- N) PROVIDE DETOUR SIGNING OFF THE PROJECT LIMITS.
- O) COVER OR REMOVE ALL DETOUR SIGNS OFF THE PROJECT LIMITS WHEN A DETOUR IS NOT IN OPERATION.
- P) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC CONTROL DEVICES

- Q) WHEN USING ROADWAY STANDARD NO. 1101.02, CONES OR SKINNY DRUMS MAY BE USED IN LIEU OF DRUMS ON US 421, US 17, US 74 AND US 76.
- R) SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT (3m) ON-CENTER IN RADII, AND 3 FT (1m) OFF THE EDGE OF AN OPEN TRAVELWAY, WHEN LANE CLOSURES ARE NOT IN EFFECT.
- S) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY. STAGGER OR OVERLAP BARRICADES TO ALLOW FOR INGRESS OR EGRESS.
- T) PLACE SETS OF THREE DRUMS PERPENDICULAR TO THE EDGE OF THE TRAVELWAY ON 500 FT (150m) CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC. THESE DRUMS SHALL BE IN ADDITION TO CHANNELIZING DEVICES.

MISCELLANEOUS

- U) NOTIFY THE RESIDENT ENGINEER, THE SIGNAL SUPERVISOR (910-341-0300) AND THE CITY TRAFFIC ENGINEER (910-341-4696) AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO CLOSING ANY LANES OR IMPLEMENTING THE DETOUR.

PHASING

NOTE: USE INTERMEDIATE CONTRACT TIMES AND LIQUIDATED DAMAGES FOR ALL PHASING OF LANE CLOSURES AND ROAD CLOSURES ON US 421, US 17, US 74 AND US 76.

COOPERATE WITH ANY CONTRACTORS WORKING WITHIN OR ADJACENT TO THE LIMITS OF THIS PROJECT TO THE EXTENT THAT THE WORK CAN BE CARRIED OUT TO THE BEST ADVANTAGE OF ALL CONCERNED.

- STEP 1: PERFORM THE PROPOSED BRIDGE MAINTENANCE OPERATIONS USING EITHER (A) THE LANE CLOSURE SEQUENCE OR (B) THE ROAD CLOSURE SEQUENCE LISTED BELOW ACCORDING TO LANE AND ROAD CLOSURE REQUIREMENTS AS AGREED UPON BY THE ENGINEER.

- A) BRIDGE MAINTENANCE OPERATIONS USING THE LANE CLOSURE SEQUENCE:

USING TCP-8 AND TCP-9, INSTALL ALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADS AND APPROACHES AND CHANGEABLE MESSAGE SIGNS (CMS) AT DESIGNATED LOCATIONS PRIOR TO ANY BRIDGE MAINTENANCE OPERATIONS ON THE CAPE FEAR MEMORIAL BRIDGE.

USING ROADWAY STANDARD 1101.02 SHEET 3 OF 7, ROADWAY STANDARD 1101.02 SHEET 4 OF 7 AND TCP-4, CLOSE EITHER OUTSIDE OR INSIDE LANE OF TRAFFIC ON CAPE FEAR MEMORIAL BRIDGE AND PERFORM PROPOSED BRIDGE MAINTENANCE OPERATIONS AS AGREED UPON BY THE ENGINEER.

REMOVE ALL TRAFFIC CONTROL SIGNING AND DEVICES AND REOPEN ALL LANES OF CAPE FEAR MEMORIAL BRIDGE.

- B) BRIDGE MAINTENANCE OPERATIONS USING THE ROAD CLOSURE SEQUENCE:

USING TCP-8 AND TCP-9, INSTALL ALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADS AND APPROACHES AND CHANGEABLE MESSAGE SIGNS (CMS) AT DESIGNATED LOCATIONS PRIOR TO ANY BRIDGE MAINTENANCE OPERATIONS ON THE CAPE FEAR MEMORIAL BRIDGE.

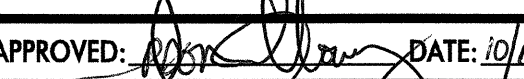

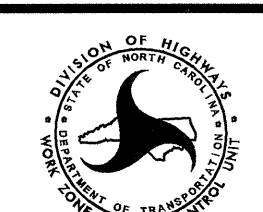
USING ROADWAY STANDARD 1101.03 SHEET 7 OF 9 AND TCP-3, INSTALL AND COVER ROAD CLOSURE AND DETOUR SIGNING FOR US 421SB, US 17NB, US 74EB AND US 76EB.

USING ROADWAY STANDARD 1101.07 SHEET 2 OF 2, ROADWAY STANDARD 1101.02 SHEET 3 OF 7, ROADWAY STANDARD 1101.03 SHEET 7 OF 9, TCP-3 AND TCP-4, UNCOVER ALL ROAD CLOSURE AND DETOUR SIGNING, PLACE US 421SB, US 17NB, US 74EB AND US 76EB ONTO OFF-SITE DETOUR, CLOSE ALL INBOUND LANES AND THE INSIDE OUTBOUND LANE OF CAPE FEAR MEMORIAL BRIDGE, MANEUVER EQUIPMENT TO THE DESIGNATED AREA(S).

USING ROADWAY STANDARD 1101.07 SHEET 2 OF 2 AND TCP-4, CLOSE ALL OUTBOUND LANES OF CAPE FEAR MEMORIAL BRIDGE, REMOVE/REPLACE THE APPROPRIATE MOTORS AND PERFORM PROPOSED BRIDGE MAINTENANCE OPERATIONS AS AGREED UPON BY THE ENGINEER.

REMOVE/RECOVER ALL TRAFFIC CONTROL SIGNING AND DEVICES AND REOPEN ALL LANES OF CAPE FEAR MEMORIAL BRIDGE.

- STEP 2: REPEAT STEP 1A OR STEP 1B UNTIL ALL PROPOSED BRIDGE MAINTENANCE OPERATIONS HAVE BEEN COMPLETED AS AGREED UPON BY THE ENGINEER.

APPROVED:  DATE: 10/6/05	GENERAL NOTES AND PHASING		REVISIONS	
SEAL 			SCALE: NONE	
	DATE: 10-06-05			
	DWG. BY: PS DESIGN BY: JPG REVIEWED BY: MMM			
			CADD FILE	