PHASING

NOTES:

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS AND TRAFFIC CONTROL DEVICES ACCORDING TO RSD 1101.01. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN 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 WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.

WHEN WEDGING OVER THE EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION (LESS THE FINAL LAYER OF SURFACE COURSE), OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC. MAINTAIN POSITIVE DRAINAGE AND MAINTAIN A MAXIMUM .04 ROLLOVER IN BOTH EXISTING AND/OR TEMPORARY TRAVEL LANES.

REPLACE MARKINGS AND RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

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

WHEN STOPPING TRAFFIC FOR TRAFFIC SHIFTS, RSD 1101.03, SHEETS 8 & 9 MAY BE USED.

WHEN INSTALLING AND ACTIVATING TEMPORARY AND FINAL SIGNALS, USE LANE CLOSURES (RSD 1101.02, SHEETS 1 & 3) AND LAW ENFORCEMENT.

PHASE 1 (SHEETS TMP-4 THRU TMP-31)

STEP 1:

CONDUCT THE FOLLOWING SEQUENCE OF ACTIVITIES: (SEE SHEETS TMP-5 THRU TMP-7)

- A.) USING LANE CLOSURES (RSD 1101.02, SHEETS 1 & 3), LAW ENFORCEMENT, AND STOPPING TRAFFIC. PLACE TEMPÓRARY MARKING ÓN NB -Y1- (US 321). INSTALL TEMPORARY TRAFFIC CONTROL SIGNS AND DEVICES, COMPLETE INSTALLATION AND ACTIVATE THE FOLLOWING TEMPORARY SIGNALS 12-0023T1 AT -Y1- (US 321) / EXISTING RAMP B AND LOOP B 12-0162T1 AT -Y1- (US 321) / EXISTING RAMP C AND LOOP C 12-1623T1 AT -Y1- (US 321) / RADIO ST MUST BE THEN PLACE TRAFFIC IN THE TEMPORARY PATTERN ON THE NB LANES:
- B.) USING LANE CLOSURES (RSD 1101.02. SHEETS 1 & 3). BEGIN WIDENING (WHERE APPLICABLE) AND CONSTRUCTION OF CURB AND GUTTER ON THE NB SIDE OF -Y1- (US 321) FROM -Y1- STA. 26+50 +/- TO STA. 45+00 +/-.

USING LANE CLOSURES (RSD 1101.02, SHEETS 1 & 3) BEGIN WIDENING CONSTRUCTION ON THE SB SIDE OF -Y1- (US 321) FROM -Y1- STA. 22+71 +/- TO STA. 27+00 +/-. (NOTE: CURB AND GUTTER CONSTRUCTION IN THIS AREA WILL BE COMPLETED DURING A WEEKEND LANE CLOSURE IN STEP 1A.) (NOTE: INSTALLATION AND ACTIVATION OF TEMPORARY SIGNAL #1 (12-0921T1) AT -Y1- (US 321) / RANKIN LAKE RD MUST BE COMPLETED PRIOR TO BEGINNING CONSTRUCTION.) (SEE SHEET TMP-5)

USING LANE CLOSURES/FLAGGERS (RSD 1101.02, SHEET 1), AND MAINTAINING TRAFFIC AT ALL TIMES, BEGIN CONSTRUCTION OF -Y3- (BULB AVE) FROM STA. 10+43 +/- TO STA. 23+00 +/-, INCLUDING CULVERT AT HIGHLAND CREEK. (NOTE: INSTALLATION AND ACTIVATION OF TEMPORARY SIGNAL #1 (12-0922T1) AT -Y1- (US 321) / -Y3- (BULB AVE) / TULIP DR MUST BE COMPLETED PRIOR TO BEGINNING CONSTRUCTION.) (SEE SHEETS TMP-4 AND TMP-8)

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF -TRAIL- FROM STA. 14+50 +/- TO STA. 29+94 +/- AND FROM 32+00 +/- TO STA. 47+89 +/-, INCLUDING PEDESTRIAN CULVERT. (NOTE: CURB & GUTTER AND PROPOSED GUARDRAIL ALONG -Y1- (US 321) WILL NEED TO BE INSTALLED BEFORE CONTINUING CONSTRUCTION OF -TRAIL- FROM STA. 19+00 +/- TO 24+00 +/-) (SEE SHEETS TMP-5 THRU TMP-9)

USING LANE CLOSURES/FLAGGERS (RSD 1101.02, SHEET 1), BEGIN CONSTRUCTION OF -Y2- (MARIETTA ST) FROM STA. 10+50 +/- TO STA. 26+54 +/-, WEDGING OVER EXISTING TRAVEL LANES CONCURRENTLY WITH THE WIDENING OPERATIONS TO MAINTAIN TRAFFIC DURING CONSTRUCTION. (SEE SHEETS TMP-8 AND TMP-9)

USING LANE CLOSURES (RSD 1101.02, SHEETS 1 & 3), REMOVE EXISTING ISLANDS AND EITHER PAVE OR INSTALL PROPOSED ISLANDS IN THE FOLLOWING LOCATIONS AS SHOWN ON THE TRAFFIC CONTROL PLAN: (SEE SHEETS TMP-5 AND TMP-6)

- Y1 -	STA.	15+60	+/-	(RT)
-Y1-	STA.	19+43		
-Y1-	STA.	23+75	+/-	(RT)
-Y1-	STA.	30+05	+/-	(RT)
-Y1-	STA.	39+50	+/-	(RT)

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF -RPD- FROM STA. 14+00 +/- TO STA. 30+00 +/-, INCLUDING CULVERT. (SEE SHEETS TMP-6 AND TMP-10)

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF -RPA- FROM STA. 15+50 +/- TO

PM 5**:**28 0079⁻ Σ Σ a á SER: Ile: USING A LEFT LANE CLOSURE (RSD 1101.02, SHEET 4) ON -L- (I-85) NB AND SB, BEGIN RETROFIT OF EXISTING DROP INLETS WITH NEW STEEL GRATE & FRAME. (SEE SHEETS TMP-6 AND TMP-10)

WORK IN STEP 1A MAY BE CONDUCTED AS EARLY AS PHASE 1, STEP 1A OR BE COMPLETED IN A LATER STEP, UP THRU PHASE 1, STEP 5, IF THE CONTRACTOR CHOOSES. CURB AND GUTTER MUST BE COMPLETED PRIOR TO SHIFTING TO THE PHASE 1, STEP 6 TRAFFIC PATTERN.

WORK IN STEPS 1A AND 1B CAN BE CONDUCTED CONCURRENTLY WITH OTHER WORK IN STEP 1.

COMPLETE THE WORK REQUIRED ON -Y1- (US 321) IN PHASE 1, STEP 1A USING WEEKEND LANE CLOSURES FROM 9:00 PM FRIDAY TO 6:00 AM MONDAY. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

REPEAT STEP 1A FOR A MAXIMUM OF 3 WEEKENDS UNTIL ALL WORK IS COMPLETE

STEP 1A:

USING LANE CLOSURES (RSD 1101.02, SHEET 3) ON -Y1- (US 321), COMPLETE WIDENING (IF APPLICABLE) AND CONSTRUCT CURB & GUTTER ON THE SB SIDE OF -Y1- (US 321), IN THE FOLLOWING LOCATIONS: (SEE SHEETS TMP-4 THRU TMP-7) (NOTE: INSTALL CMS AS SHOWN ON SHEET TMP-4 PRIOR TO EACH WEEKEND LANE CLOSURE OPERATION.)

-Y1- STA. 12+29 +/- TO STA. 19+32 +/--Y1- STA. 22+71 +/- TO STA. 30+18 +/--Y1- STA. 39+50 +/- TO STA. 43+78 +/-

COMPLETE THE WORK REQUIRED ON -L- (I-85) IN PHASE 1, STEP 1B DURING A WEEKEND OPERATION FROM 9:00 PM FRIDAY TO 6:00 AM MONDAY. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

USING A LEFT LANE CLOSURE (RSD 1101.02, SHEET 4) ON -L- (I-85) NB, A LEFT LANE CLOSURE OR SHOULDER CLOSURE (RSD 1101.04) ON -L- (I-85) SB, AND CLOSING

EXISTING LOOP C TO -L- (I-85 NB), INSTALL MEDÍAN DRAINÀGE NÉAR -RPD-. (SEE

SHEETS TMP-11 THRU TMP-13) (NOTE: INSTALLATION AND ACTIVATION OF TEMPORARY

SIGNAL #2 (12-0162T2) AT -Y1- (US 321) / EXISTING RAMP C AND LOOP C MUST BE

COMPLETED WHEN CLOSING EXISTING LOOP C AND SIGNAL RETURNED TO TEMPORARY

SIGNAL #1 (12-0162T1) WHEN REOPENING EXISTING LOOP C AT THE END OF THE

STEP 1B:

WEEKEND CLOSURE PERIOD.)

STEP 2:

USING LANE CLOSURES/FLAGGERS (RSD 1101.02, SHEET 1), COMPLETE CONSTRUCTION OF -Y2- (MARIETTA ST), BEGUN IN STEP 1, PLACE TEMPORARY MARKINGS ON -Y2-(MARIETTA ST) AND SHIFT TRAFFIC, THEN BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEETS TMP-14 AND TMP-15)

REMAINDER OF -Y2- (MARIETTA ST) FROM STA. 10+50 +/- TO STA. 26+54 +/-, WEDGING OVER EXISTING TRAVEL LANES AS NEEDED - - Y3- (BULB AVE) FROM -Y3- STA. 23+00 +/- TO -Y2- (MARIETTA ST)

	<u>STEP 3:</u>			NB - Y1 - (L TO THE PHA	
Ē	TO SHIF AND -Y3 #2 (12- TO SHIF	ANE CLOSURES/FLAGGERS (RSD 1101.02, SHEET 1), CONDUCT THE FOL T TRAFFIC TO THE PHASE 1, STEP 3 TRAFFIC PATTERN ON -Y2- (MAR - (BULB AVE): (NOTE: INSTALLATION AND ACTIVATION OF TEMPORAR D922T2) AT -Y1- (US 321) / -Y3- (BULB AVE) / TULIP DR MUST BE T TRAFFIC TO THE PHASE 1, STEP 3 PATTERN.)(SEE SHEETS TMP-16,	IETTA ST) Y SIGNAL COMPLETED	THEN REMOV PAVEMENT. TO THE TEM TRAFFIC PA	/Е (ИР АТ
Г	AND TMP	-20)		<u>NOTE :</u>	
		COMPLETE CONSTRUCTION OF -Y2- (MARIETTA ST), BEGUN IN STEP 2 CONSTRUCTION OF -Y3- (BULB AVE), INCLUDING CULVERTS UNDER -Y3- (BULB AVE), BEGUN IN STEPS 1 AND 2		- 1	ΓEI
N)	,	PLACE TEMPORARY MARKING IN THE FINAL PATTERN ON -Y2- (MARIE AND -Y3- (BULB AVE), THEN SHIFT TRAFFIC ON -Y2- (MARIETTA ST) AND -Y3- (BULB AVE) TO TRAFFIC PATTERN.		А - Т	/ FEN ANI FEN
	CONDUCT	THE FOLLOWING TO PERMANENTLY CLOSE -Y4A- (RANKIN LAKE RD) TO	TRAFFIC:		ANI Fei
	- -	PLACE "END OF ROAD" OBJECT MARKERS (OM4-3) ON EXISTING RANK LAKE RD (SEE SHEET TMP-20) PLACE SIGNS AND CMSs TO DIRECT TRAFFIC TO -Y3- (BULB AVE) TO ACCESS -Y2- (MARIETTA ST)(SEE SHEETS TMP-16 AND TMP-18) REMOVE EXISTING BRIDGE ON EXISTING RANKIN LAKE RD (SEE SHEET			
	ON -Y1- SHOWN O	NKIN LAKE RD IS CLOSED TO TRAFFIC, PLACE TEMPORARY MARKING (US 321) FROM -Y1- STA. 24+00 +/- TO STA. 27+10 +/- AS N SHEET TMP-17 AND SHIFT TRAFFIC, THEN AWAY FROM TRAFFIC, THE FOLLOWING:		DocuSigned by: Licluelle Ward =8385756B926486 .7	PR-
	-	COMPLETE CONSTRUCTION OF -RPD- FROM STA. 24+00 +/- TO STA. 30+00 +/- COMPLETE CONSTRUCTION OF -RPA- FROM STA. 15+50 +/- TO STA. 23+41.77		SEAL	
`	-	CONSTRUCT -RPD- FROM STA. 30+00 +/- TO -Y1- (US 321) CONSTRUCT -TRAIL- FROM STA. 29+94 +/- TO STA. 32+00 +/-, INCLUDING PEDESTRIAN CULVERT UNDER -RPD-		T NOT CONSIDE	

STA. 23+41.77 +/-, INCLUDING CULVERT EXTENSION. (SEE SHEETS TMP-6 AND TMP-10)

STEP 4:

STEP 5:

USING LANE CLOSURES (RSD 1101.02, SHEET 3), PLACE TEMPORARY MARKING ON NB -Y1- (US 321) AS SHOWN ON SHEETS TMP-23 THRU TMP-25, THEN USING LANE CLOSURES (RSD 1101.02, SHEET 3), AS NEEDED, CONSTRUCT LEFT SIDE WIDENING AND CURB & GUTTER FROM -Y1- STA. 12+96 +/- TO STA. 23+71 +/-. (NOTE: INSTALLATION AND ACTIVATION OF TEMPORARY SIGNAL #3 (12-0922T3) AT -Y1- (US 321) / -Y3- (BULB AVE) / TULIP DR MUST BE COMPLETED TO SHIFT NB -Y1- (US 321) TRAFFIC TO THE PHASE 1, STEP 5 PATTERN.)

USING LANE CLOSURES (RSD 1101.02, SHEET 3) ON SB -Y1- (US 321), AS NECESSARY AND LANE NARROWING ON EXISTING RÁMP B AND EXISTING LOOP C, PLÁCE TRAFFIC IN THE TEMPORARY TRAFFIC PATTERN SHOWN ON SHEET TMP-25, THEN CONSTRUCT CURB AND GUTTER, PAVEMENT REMOVAL AND SHOULDER CONSTRUCTION ALONG EXISTING RAMP B AND LOOP B. (NOTE: INSTALLATION AND ACTIVATION OF TEMPORARY SIGNAL #2 (12-0023T2) AT -Y1- (US 321) / EXISTING RAMP B AND LOOP B MUST BE COMPLETED TO SHIFT EXISTING LOOP B TRAFFIC TO THE PHASE 1, STEP 5 PATTERN.)

AWAY FROM TRAFFIC OR USING LANE CLOSURES (RSD 1101.02, SHEET 3), COMPLETE THE FOLLOWING:

> CONSTRUCTION OF -RPD- FROM STA. 14+00 +/- TO -Y1- (US 321), INCLUDING CULVERT CONSTRUCTION OF WIDENING AND CURB AND GUTTER ALONG NB -Y1- (US 321) AND ALONG SB -Y1- (IF NOT COMPLETED EARLIER)

STEP 6:

USING LANE CLOSURES (RSD 1101.02, SHEET 3), PLACE TEMPORARY MARKING ON JS 321) AS SHOWN ON SHEETS TMP-28 THRU TMP-31 AND SHIFT TRAFFIC SE 1, STEP 6 TEMPORARY TRAFFIC PATTERN ON NB -Y1- (US 321), E EXISTING CURB ISLANDS AND MONOLITHIC ISLANDS AND REPLACE WITH (SEE SHEETS TMP-28 THRU TMP-31) (NOTE: RETURN NB -Y1- (US 321) PORARY TRAFFIC PATTERN AND SB -Y1- (US 321) TO THE EXISTING TTERN AT THE END OF THE WORK PERIOD.)

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COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 4 WITHIN THIRTY (30) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)

COMPLETE THE FOLLOWING SEQUENCE OF ACTIVITIES:

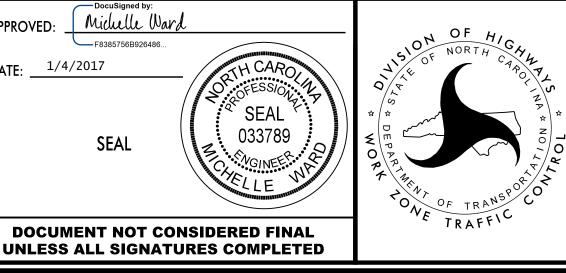
A.) USING LANE CLOSURES (RSD 1101.02, SHEET 4) ON -L- (I-85) SB AND NB MILL AND FILL EXISTING RUMBLE STRIPS ON THE INSIDE SHOULDER OF I-85 NB AND SB THEN PLACE TEMPORARY MARKINGS AND PCB AS SHOWN ON SHEETS TMP-21 AND TMP-22 AND SHIFT TRAFFIC TO THE TEMPORARY PATTERN. B.) BEHIND BARRIER, CONSTRUCT THE FOLLOWING: (SEE SHEETS TMP-21 AND TMP-22)

> -RPA- STA. 10+00 +/- TO STA. 15+50 +/-, INCLUDING INSTALLATION OF CONDUIT FOR TRAFFIC SIGNAL LOOP LEAD-IN CABLE -L- STA. 46+78 +/- (LT) TO STA. 53+57 +/- (LT) -RPD- STA. 10+00 +/- TO STA. 14+00 +/--L- STA. 50+67 +/- (RT) TO STA. 68+00 +/- (RT)

C.) USING LANE CLOSURES (RSD 1101.02, SHEET 4) ON -L- (I-85) SB AND NB, PLACE TEMPORARY MARKINGS IN THE TEMPORARY AND/OR FINAL PATTERN ON -L- (I-85), -RPA- AND -RPD- AS SHOWN ON SHEETS TMP-24 THRU TMP-27. AND SHIFT TRAFFIC TO THE PHASE 1, STEP 5 TRAFFIC PATTERN ON THESE ROADS. (NOTE: ON-RAMP TO I-85 NB (-RPD-) WILL REMAIN CLOSED USING DRUMS AND TYPE III BARRICADES UNTIL PHASE 2.)

> INSTALLATION AND ACTIVATION OF THE FOLLOWING TEMPORARY SIGNALS WILL BE REQUIRED TO SHIFT TO THE PHASE 1, STEP 6 TRAFFIC PATTERN:

EMPORARY SIGNAL #4 (12-0922T4) AT -Y1- (US 321) / -Y3- (BULB AVE) TULIP DR EMPORARY SIGNAL #3 (12-0023T3) AT -Y1- (US 321) / EXISTING RAMP B ND LOOP B EMPORARY SIGNAL #3 (12-0162T3) AT -Y1- (US 321) / EXISTING RAMP C ND LOOP C EMPORARY SIGNAL #2 (12-1623T2) AT -Y1- (US 321) / RADIO ST



TEMPORARY TRAFFIC CONTROL PHASING