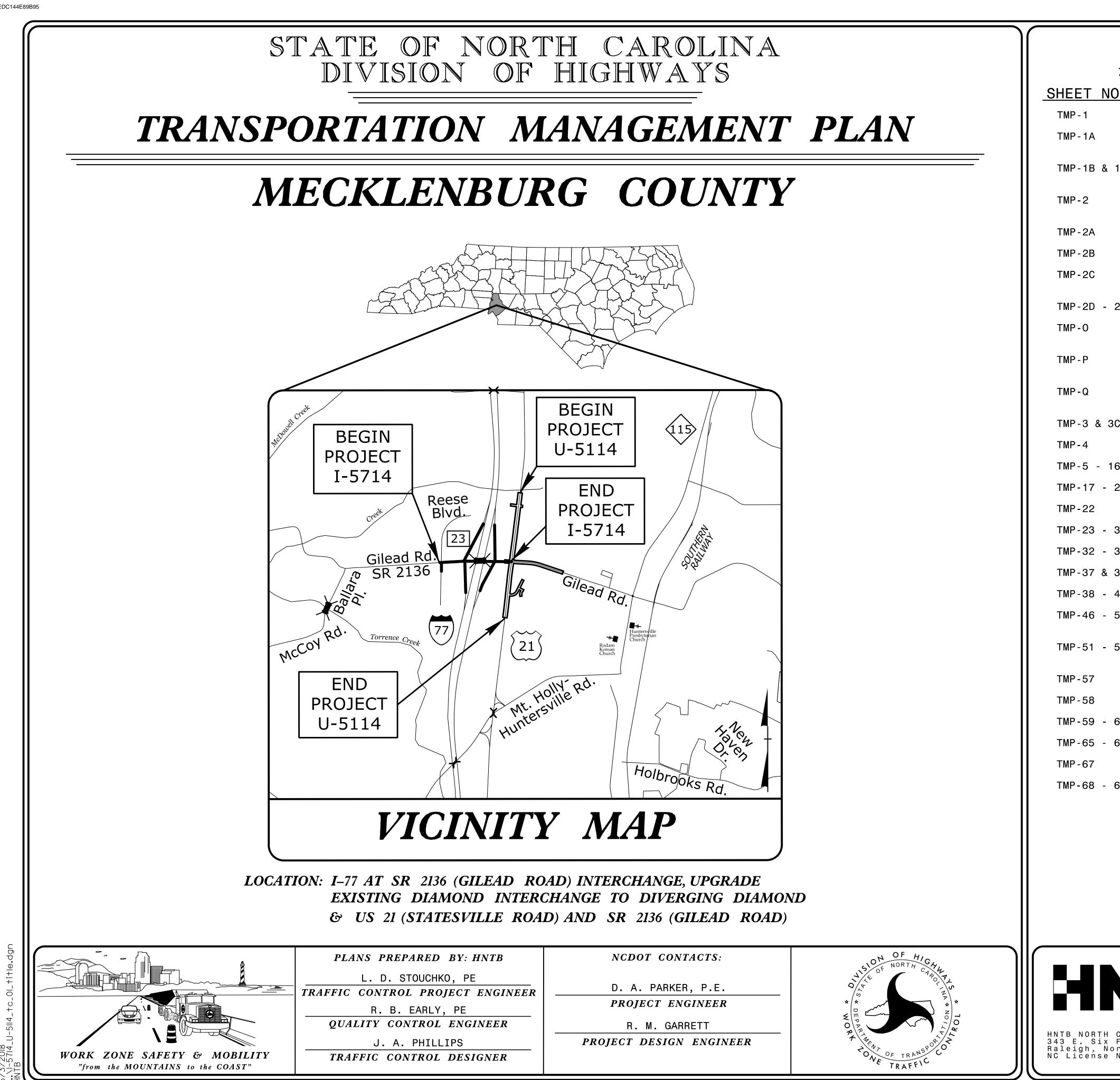
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IN	NDEX OF SHEETS	SHEET NO. TMP-1						
).	TITLE							
	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS							
	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND	14						
1C	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)							
	PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS							
	TEMPORARY SHORING NOTES	$\mathbf{D}$						
	SPECIAL SIGN DESIGN							
	TEMPORARY GILEAD ROAD CLOSURE AT I-77 DETOUR ROUTE							
2N	TEMPORARY I-77 ROAD CLOSURE	C .						
	TEMPORARY I-77 ROAD CLOSURE - HAMBRIGHT ROADD DETOUR ROUTE							
	TEMPORARY I-77 ROAD CLOSURE DETOUR DETAIL - EXISTING BRIDGE RAIL DEMOLITION OVER NB I-77	14						
	TEMPORARY I-77 ROAD CLOSURE DETOUR DETAIL - EXISTING BRIDGE RAIL DEMOLITION OVER SB I-77	5714						
С	TEMPORARY TRAFFIC CONTROL PHASING							
_	TEMPORARY TRAFFIC CONTROL PHASE I OVERVIEW							
6	TEMPORARY TRAFFIC CONTROL PHASE I DETAILS							
21	TEMPORARY TRAFFIC CONTROL PHASE I SECTIONS							
- <i>i</i>	TEMPORARY TRAFFIC CONTROL PHASE II OVERVIEW							
31	TEMPORARY TRAFFIC CONTROL PHASE II DETAILS							
36	TEMPORARY TRAFFIC CONTROL PHASE II SECTIONS							
37A	TEMPORARY TRAFFIC CONTROL PHASE III OVERVIEWS							
45 50	TEMPORARY TRAFFIC CONTROL PHASE III DETAILS TEMPORARY TRAFFIC CONTROL PHASE III INTERIM TEMPORARY PATTERN							
56	TEMPORARY TRAFFIC CONTROL PHASE III GILEAD ROAD BRIDGE CLOSURE DETAILS							
	TEMPORARY TRAFFIC CONTROL PHASE III SECTIONS							
	TEMPORARY TRAFFIC CONTROL PHASE IV OVERVIEW							
64	TEMPORARY TRAFFIC CONTROL PHASE IV DETAILS	_••						
66	TEMPORARY TRAFFIC CONTROL PHASE IV SECTIONS	CT.						
	TEMPORARY TRAFFIC CONTROL PHASE V OVERVIEW							
69	TEMPORARY TRAFFIC CONTROL PHASE V DETAILS							
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### **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 JANAUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

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
1101.11	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	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINE
1170.01	POSITIVE PROTECTION - PORTABLE CONCRETE BARR
1180.01	SKINNY - DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE R
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.09	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGE
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACI
1251.01	RAISED PAVEMENT MARKERS - (TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - ÍNSTALLA
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AN
1262.01	GUARDRAIL END DELINEATION

/25/2018 .\TCP\1-57

### LEGEND

### <u>GENERAL</u>

DIRECTION OF TRAFFIC FLOW

→ DIRECTION OF PEDESTRIAN TRAFFIC FLOW

----- EXIST. PVMT.

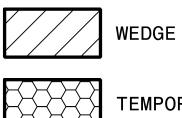
NORTH ARROW

- PROPOSED PVMT.

WORK AREA



REMOVAL



TEMPORARY PAVEMENT

### TRAFFIC CONTROL DEVICES

	BARRICADE (TYPE III)
	CONE
	DRUM 🔘 SKINNY DRUM <b>O</b> TUBULAR MARKER
$\sim$	TEMPORARY CRASH CUSHION
$\rightarrow$	FLASHING ARROW PANEL (TYPE C)
	FLAGGER
	LAW ENFORCEMENT
	RUCK MOUNTED IMPACT ATTENUATOR (TMIA)
<b>√</b> ]	CHANGEABLE MESSAGE SIGN

FLASHING ARROW PANEL IN 'CAUTION MODE'

### TEMPORARY SIGNING

- DORTABLE SIGN
- STATIONARY SIGN
- b stationary or portable sign

### SIGNALS





PAVEMENT MARKINGS

- ----EXISTING LINES

### PAVEMENT MARKING SYMBOLS





令気気 existing marking symbols

### PAVEMENT MARKERS

	TEMPORARY RAISED					
MH	YELLOW & YELLOW					
ΜI	CRYSTAL & RED					

(	ocuSigned by: ori D. Stonce	hko, P.E.
5/3/	11E0A9B32E84E9 <b>′2018</b>	
DATE:	SEAL	UNIT OF CORPORE
		ONSIDEREI

NEATION RRIER

ROADWAYS

GES

CING

LATION SPACING AND MOUNTING

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		PROJ. REFERENCE NO. SHEET NO. I-5714 & U-5114 TMP-1A
TEMPO	<u>)RARY PAVEMEN</u>	MARKING
SYMBOL	DESCRIPTION	
PAVEMEN	MARKING LINES	
COLD	APPLIED PLASTIC T	YPE 4 (4")
C8	2FT6FT./SP WHIT	E MINISKIP
CA CB	WHITE EDGELINE YELLOW EDGELINE	
CC	10' FT. WHITE SKI	
CE CI	WHITE SOLID LANE YELLOW DOUBLE CEN	
COLD	APPLIED PLASTIC TY	'PE 4 (8")
C13	3FT - 9FT/SP WHIT	E MINISKIP
CN	WHITE GORELINE	
P8	PAINT (4″) 2 FT - 6 FT/SP WH	ITE MINISKIP
P9	2 FT - 6 FT/SP YE	
PA PB	WHITE EDGELINE YELLOW EDGELINE	
PC	10FT. WHITE SKIP	
PD PE	3FT - 9FT/SP WHIT WHITE SOLID LANE	
PE PF	10 FT. YELLOW SKI	
PH	YELLOW SINGLE CEN	ITER
PI	YELLOW DOUBLE CEN	TER LINE
50	PAINT (6")	
P6 P7	WHITE EDGELINE YELLOW EDGELINE	
PJ	10 FT. WHITE SKIF	
PK PL	3FT - 9FT/SP WHIT WHITE SOLID LANE	
P13	PAINT (8") 3 FT - 9FT/SP WHI	TE MINISKIP
PN	WHITE GORELINE	
PO PP	WHITE DIAGONAL YELLOW DIAGONAL	
PQ	WHITE CROSSWALK L	INE
PR	WHITE SOLID LANE	LINE
	PAINT (12")	
PS PT	WHITE GORELINE WHITE SOLID LANE	LINE
	PAINT (24")	
P2	WHITE STOP BAR	
PAVEMEN	IT MARKING SYMBOLS	& CHARACTERS
	PAINT SYMBOL	
QA	LEFT TURN ARROW	
QB QC	RIGHT TURN ARROW STRAIGHT ARROW	
QE	COMBO STRAIGHT/RI	GHT
QI	ALPHANUMERIC CHAR	ACTER
QP QT	MERGE ARROW U-TURN ARROW	
Q1	I-77 ROUTE SHIELD	
Q2	US 21 ROUTE SHIEL	
	APPLIED PLASTIC SY	MBOL TYPE 4
DA DC	LEFT TURN ARROW STRAIGHT ARROW	
DI	ALPHANUMERIC CHAR	ACTER
NOTE:		EMENT MARKING ITEM, REFER TO NUMBER OF APPLICATIONS.
	O C F HIGH	TRANSPORTATION
TH CAROLINA	A SOF NORTH CAPH	MANAGEMENT PLAN
OFESSION	OL NA S LAND	
SEAL 034437		ROADWAY STANDARD
ANGINE EL LONG	NOR THE	DRAWINGS AND
D STOUCHIN	WORFTRANSPORO	LEGEND
ERED FINAL COMPLETED	5 TRAFF10	
<b></b>		

	GENERAL NOTES	PROJ. REFERENCE NO. SH I-5714 & U-5114 T
HANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS,	C) DO NOT STOP TRAFFIC AS FOLLOWS:	PAVEMENT EDGE DROP OFF REQUIREMENTS
TANDARD DETAILS AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS, OR RESULT IN DUPLICATE, OR UNDESIRED OVERLAPPING OF DEVICES. IODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING OR REMOVAL OF DEVICES, AS DIRECTED BY THE ENGINEER.	DAY AND TIMEDURATION ANDROAD NAMERESTRICTIONSOPERATION	N) 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:
HE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE ONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR	SR 2136 (GILEAD RD), MONDAY-SUNDAY 30 MINUTES FOR US 21 (STATESVILLE RD) 5:00 AM - 11:00 PM OVERHEAD SIGN & I-77 RAMPS STRUCTURE INSTALLAT	BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED
IRECTED BY THE ENGINEER. <pre>IME RESTRICTIONS</pre>	SR 2136 (GILEAD RD), MONDAY-SUNDAY 15 MINUTES FOR US 21 (STATESVILLE RD), 5:00 AM - 11:00 PM TRAFFIC SHIFTS	BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS: ROAD NAME DAY AND TIME RESTRICTIONS	I-77 GENERAL PURPOSE LANES, I-77 EXPRESS LANES, I-77 RAMPS & REESE BLVD	BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
I-77 GENERAL PURPOSE LANES, I-77 EXPRESS LANES & MONDAY THRU FRIDAY 6:00 AM - 9:00 PM	D) DO NOT CONDUCT SINGLE VEHICLE HAULING AS FOLLOWS: DAY AND TIME	0) 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' IN ADVANCE AND A
I-77 RAMPS SATURDAY AND SUNDAY 9:00 AM - 6:00 PM	ROAD NAMERESTRICTIONSI-77 NB EXPRESS LANESANYTIME	MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.
SR 2136 (GILEAD RD),MONDAY THRU FRIDAYUS 21(STATESVILLE RD) &6:00 AM - 9:00 PMREESE BLVDSATURDAY AND SUNDAY9:00 AM - 9:00 PM	I-77 GENERAL PURPOSE LANES, MONDAY-FRIDAY I-77 SB EXPRESS LANES & 6:00 AM - 9:00 PM I-77 RAMPS SATURDAY AND SUNDAY 9:00 AM - 6:00 PM	P) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.
) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:	E) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS: DAY AND TIME	Q) 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
ROAD NAME I-77 GP, I-77 EXPRESS LANES, I-77 RAMPS, SR 2136 (GILEAD RD),	ROAD NAME     RESTRICTIONS       I-77 NB EXPRESS LANES     ANYTIME	TO THE BEGINNING OF CONSTRUCTION. R) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
US 21 (STATESVILLE RD) & REESE BLVD	I-77 GENERAL PURPOSE LANES, MONDAY-FRIDAY I-77 SB EXPRESS LANES, & 6:00 AM - 9:00 PM I-77 RAMPS SATURDAY AND SUNDAY	PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
HOLIDAY 1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.	SATURDAY AND SUNDAY 9:00 AM - 6:00 PM SR 2136 (GILEAD RD) & MONDAY-FRIDAY	S) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31ST TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING	US 21 (STATESVILLE RD) 6:00 AM - 9:00 AM 3:00 PM - 7:00 PM LANE CLOSURE REQUIREMENTS	COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION. T) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY
TUESDAY. 3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.	F) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONG NEEDED OR AS DIRECTED BY THE ENGINEER.	GER U) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1)
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.	G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD	D
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE DAY AFTER INDEPENDENCE DAY.	<ul> <li>DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OF GUARDRAIL OR A LANE CLOSURE IS INSTALLED.</li> <li>H) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY</li> </ul>	<sup>R</sup> V) 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
IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.	OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER. I) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACEN TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE,	UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT PLANS OR AS DIRECTED BY THE ENGINEER. NT DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.	CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING N 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.	NO. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.	WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACEN TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOS THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.	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
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.	J) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO TH	HE THE UPSTREAM SIDE OF TRAFFIC REMOVE TEMPORARY BARRIER AGAINST
9. FOR NASCAR EVENT AT THE CHARLOTTE MOTOR SPEEDWAY BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE THE FIRST EVENT UNTIL 9:00 P.M. THE DAY AFTER THE LAST EVENT.	TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAINS WITHIN THE CLOSED TRAVEL LANE.	THE TRAFFIC FLOW, BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC. INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED
10. CAROLINA PANTHERS GAME PLAYED IN CHARLOTTE FROM THREE HOURS BEFORE THE GAME TO THREE HOURS AFTER THE GAME.	K) 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.	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.
11. CAROLINA HORNETS GAME PLAYED IN CHARLOTE FROM THREE HOURS BEFORE THE GAME TO THREE HOURS AFTER THE GAME.	L) DO NOT INSTALL MORE THAN TWO SIMULTANEOUS CLOSURES IN ANY ONE DIRECTION ON SR 2136 (GILEAD ROAD) AND US 21 (STATESVILLE RD).	
) DO NOT CLOSE ROADS AS FOLLOWS ROAD NAME DAY AND TIME RESTRICTIONS	M) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.	APPROVED Lovi D. Stouchko, P.E. TRANSPORTATION
I-77 NB - ALL GENERAL PURPOSE LANES AND EXPRESS LANES I-77 SB - ALL GENERAL PURPOSE LANES I-77 SB - ALL GENERAL PURPOSE LANES		DATE:
AND EXPRESS LANES I-77 NB - ALL GENERAL PURPOSE LANES I-77 SB - ALL GENERAL PURPOSE LANES I-77 NB - ALL EXPRESS LANES		SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL
I-77 SB - ALL EXPRESS LANES	HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554	DOCUMENT NOT CONSIDERED FINAL

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W)	TIMES DURING TH	E INSTALLATION AND R	/PORTABLE CONCRETE BARR EMOVAL OF THE BARRIER B XIMUM 72 HOURS) OR A TE
	ONCOMING TRAFFI THE APPROACH EN	C AT ALL TIMES BY A	/PORTABLE CONCRETE BARR TEMPORARY CRASH CUSHION E CONCRETE BARRIER IS O HOWN IN THE PLANS:
	40 OR 45 - 5 55		MINIMUM OFFSET 15 FT 20 FT 25 FT 30 FT
TRAF	FIC CONTROL DEV	ICES	
X)	TWICE THE POSTER AND 3 FT OFF THE NOT IN EFFECT.	D SPEED LIMIT (MPH), E EDGE OF AN OPENED <sup>-</sup> WHEN SKINNY DRUMS AF	AREAS NO GREATER IN FEET EXCEPT 10 FT ON-CENTER TRAVELWAY, WHEN LANE CLC RE ALLOWED, REFER TO SEC S AND STRUCTURES OR AS S
Y)	PLACE TYPE III I SUFFICIENT LENG	BARRICADES, WITH "ROA TH TO CLOSE ENTIRE RO	AD CLOSED" SIGN R11-2 AT DADWAY.
Z)	PERPENDICULAR TO	L SETS OF THREE CHANN O THE EDGE OF THE TRA ARE CLOSED TO TRAFFIC	NELIZING DEVICES (DRUMS) AVELWAY ON 500 FT CENTEF C.
AA)	PROVIDE AND OPEN THE ENGINEER.	RATE 2 ADDITIONAL CMS	S'S TO BE USED AS DIRECT
ΡΑνί	EMENT MARKINGS A	ND MARKERS	
BB)	INSTALL TEMPORA		AND TEMPORARY PAVEMENT
	ROAD NAME	MARKING	MARKER
	ALL ROADS	PAINT	TEMPORARY RAI
	BRIDGES	COLD APPLIED	
CC)	PLACE A SECOND	APPLICATION OF PAINT	TEMPORARY TRAFFIC PATTER SIX (6) MONTHS AFTER TH DIRECTED BY THE ENGINER
DD)	TIE PROPOSED PA LINES.	VEMENT MARKING LINES	TO EXISTING PAVEMENT MA
EE)	REMOVE/REPLACE BY THE END OF E	ANY CONFLICTING/DAMA ACH DAY'S OPERATION.	GED PAVEMENT MARKINGS AN
FF)	PAVEMENT MARKIN		D LOCATIONS WITH PROPER TION. PLACE DRUMS TO DE ORE INSTALLATION.
MIS	CELLANEOUS		
GG)		SHALL BE USED TO MA ERSECTIONS AS DIRECT	INTAIN TRAFFIC THROUGH T ED BY THE ENGINEER.
HH)	TIE-IN AREA TO ENGINEER. PLAC BLACK ON ORANGE RESPECTIVELY IN	AN APPROPRIATE ROADW E BLACK ON ORANGE "LO "PAVEMENT ENDS" SIG	E IN ONE DAYS TIME, BRIN AY ELEVATION, AS DETERMI OOSE GRAVEL" SIGNS (W8-7 NS (W8-3) 500 FT AND 100 EN AREAS. USE DRUMS TO REAS.
II)	PAVEMENT MARKIN		RIVED FROM STATIONING SH ED BY THE ENGINEER IN CO IT.
	THE PHASING. CO	NTRACTOR SHALL BE RES	ACCESS AT ALL TIMES AS S SPONSIBLE TO PROVIDE TEM HER SUITABLE MATERIAL AS

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### LOCAL NOTES

T ALL HER A	1)	MAINTAIN EMERGENCY ACCESS AND COORDINATE WITH THE DIVISION FOR CONSTRUCTION ACTIVITIES.		THE TRANS
RY	2)	MAINTAIN BUS STOP ACCESS AND COORDINATE WITH THE DIVISION FOR TEMPORARY LOCATIONS AND TO COORDINATE CONSTRUCTION ACTIVITIES.		THE INTEF RD) AND I EXISTING TO THAT (
SS FROM	3)	FOR ANY WORK UNDERTAKEN, EITHER WITHIN OR OUTSIDE THE PROJECT RIGHT OF WAY, THAT REQUIRES CLOSURE OF ANY PORTION OF AN I-77 GENERAL PURPOSE OR I-77		EXISTING (GILEAD F
		EXPRESS LANE, NOTIFICATION (SEE GENERAL NOTE P) TO THE ENGINEER SHALL INCLUDE DATES, LOCATIONS, TIMES AND DURATIONS OF EACH CLOSURE IN ORDER TO ASSIST NCDOT IN THE COORDINATION OF THE COMPLETION OF THE WORK OF THE ADJACENT PROJECT AND/OR OPERATION OF		COORDINAT PROJECT EXPRESS L
		THE EXPRESS LANES ON I-77.		-SR-, -SF FIRST PH/
ADII,				LAW ENFOR
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SEAL

	PROJ. REFERENC
MANAGEMENT	I-5714 & U
<b>STRATEGIES</b>	

 ROJ. REFERENCE NO.
 SHEET NO.

 -5714 & U-5114
 TMP-1C

NSPORTATION MANAGEMENT PLAN ADDRESSES TRANSPORTATION MENT PROJECTS I-5714 AND U-5114 THAT ARE JOINED BY ERSECTION OF SR 2136 (GILEAD RD) AND US 21 (STATESVILLE IN COORDINATION WITH EACH OTHER. I-5714 UPGRADES THE G DIAMOND INTERCHANGE OF I-77 AT SR 2136 (GILEAD RD) OF A DIVERGING DIAMOND WHILE U-5114 UPGRADES THE G INTERSECTION OF US 21 (STATESVILLE RD) AND SR 2136 RD) TO A MEDIAN U-TURN INTERSECTION.

ATION WITH ADJACENT WORK ON THE I-77 EXPRESS LANE (I-5405/I-4750AA/I-3311C) AND THE MANAGEMENT OF LANES.

SR1- & -SR2- COMPLETED AND OPENED TO TRAFFIC WITHIN HASE.

ORCEMENT

RY SIGNALS

ANE ROADWAY LANE CLOSURES

-WAY ROADWAY LANE CLOSURES WITH FLAGGERS

SURE TIME RESTRICTIONS

RESTRICTIONS

AND MULTI-HAULING TIME RESTRICTIONS AND THE LIMITATION ING AT TOLL LANES TO I-77 SB ONLY.

ERM CLOSURE RESTRICTIONS ON -RPB-, -RPD-, SR 2136 (GILEAD US 21 (STATESVILLE RD) TO COMPLETE TRAFFIC SHIFTS AND D SIGN INSTALLATION.

IME LANE AND ROAD CLOSURES ON I-77 FOR WORK TO BE COMPLETED AVEL LANES.

DIATE CONTRACT TIME TO COMPLETE TRANSITION OF EXISTING PATTERN OF THE DIAMOND INTERCHANGE TO THE DIVERGENT USING A WEEKEND ROAD CLOSURE ON GILEAD ROAD AND RY DETOUR USING I-77.

DIATE CONTRACT TIMES TO HANG GIRDERS USING NIGHT TIME ROAD S OF I-77 USING SR 2136 (GILEAD RD) EXIT RAMPS TO RILY DETOUR TRAFFIC.

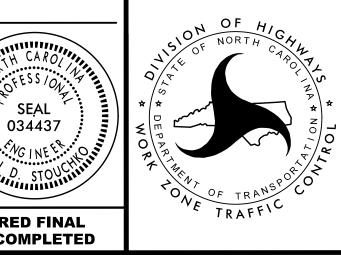
DIATE CONTRACT TIME TO COMPLETE CONSTRUCTION OF BUS PAD AT K & RIDE.

DIATE CONTRACT TIME TO COMPLETE CONSTRUCTION OF BRIDGE BRIDGE GIRDERS, AND MEDIAN WORK AT THE MEDIAN OF I-77.

E PROTECTION ON BOTH I-77 AND SR 2136 (GILEAD RD), RY PAVEMENT AND TEMPORARY SHORING TO CONSTRUCT END BENTS.

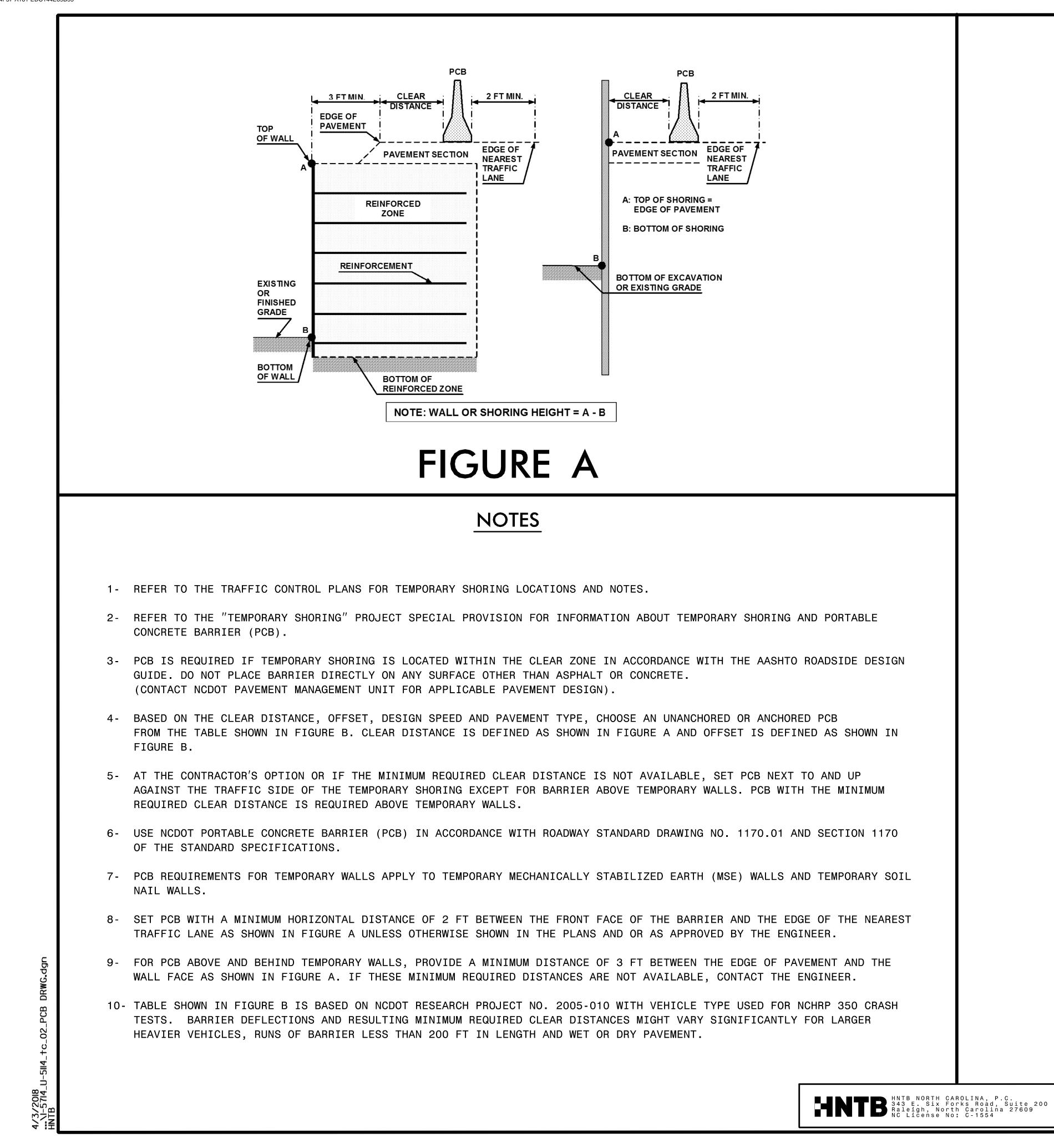
E PROTECTION ON SR 2136 (GILEAD RD), -RPD- AND US 21 VILLE RD) TO COMPLETE UNDERCUT EXCAVATION.

RY PEDESTRIAN DETOURS TO MAINTAIN EXISTING PEDESTRIAN DURING CONSTRUCTION OF PROPOSED SIDEWALKS.



TRANSPORTATION MANAGEMENT PLAN

GENERAL NOTES

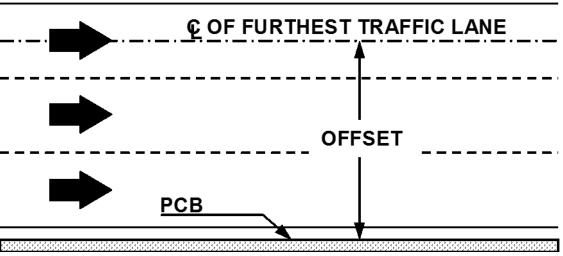


Barrier	Pavement	Offset *	* Design Speed, mph					
Type	Type	ft	<30	31-40	41-50	51-60	61-70	71-80
v I		<8	24	26	29	32	36	40
		8-14	26	28	31	35	38	42
		14-20	27	29	34	36	39	43
		20-26	28	31	35	38	40	44
	Asphalt	26-32	29	32	36	39	42	45
	Asphant	32-38	30	34	38	41	43	46
B		38-44	31	34	41	43	45	48
PCB		44-50	31	35	41	43	46	49
		50-56	32	36	42	44	47	50
Unanchored		>56	32	36	42	45	47	51
ho		<8	17	18	21	22	25	26
nc		8-14	19	20	23	25	26	29
na		14-20	22	22	24	26	28	31
n	Concrete	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					

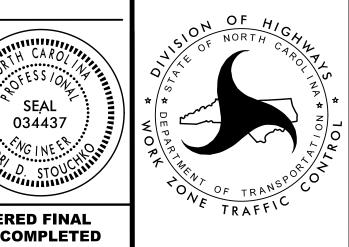
\* See Figure Below



PROJ. REFERENCE NO.	SHEET NO.
I-5714 & U-5114	TMP-2



## FIGURE B



PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS

TRANSPORTATION MANAGEMENT PLAN

### 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 -Y-24+80±, 3.6' LEFT, TO STATION -Y-25+04±, 3.6' LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT  $(\gamma) = 120$  PCF FRICTION ANGLE  $(\phi) = 30$  DEGREES COHESION (c) = 0 PSFGROUNDWATER ELEVATION = 741 FT

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -Y-24+80±, 3.6' LEFT, TO STATION -Y-25+04±, 3.6' LEFT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

### SHORING LOCATION NO. 2

DESIGN TEMPORARY SHORING FROM STATION -Y-28+68±, 3.8' LEFT, TO STATION -Y-28+89 ±, 3.8' LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT  $(\gamma) = 120$  PCF FRICTION ANGLE  $(\phi) = 30$  DEGREES COHESION (c) = 0 PSF

GROUNDWATER ELEVATION = 749 FT

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -Y-28+68±, 3.8' Left, TO STATION -Y-28+89±, 3.8' Left. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

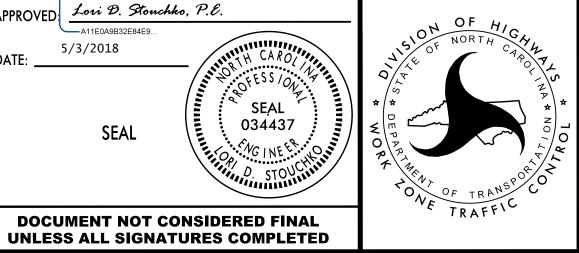
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NOTE: THE SHORING NOTES ARE FOR THE -Y- ALIGNMENT SHOWN IN I-5714.

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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 WZTC SECTION ON MARCH 22, 2018 AND SEALED BY A PROFESSIONAL ENGINEER, SHANE C CLARK, LICENSE #29869.



### SHORING DATA

### TRANSPORTATION MANAGEMENT PLAN

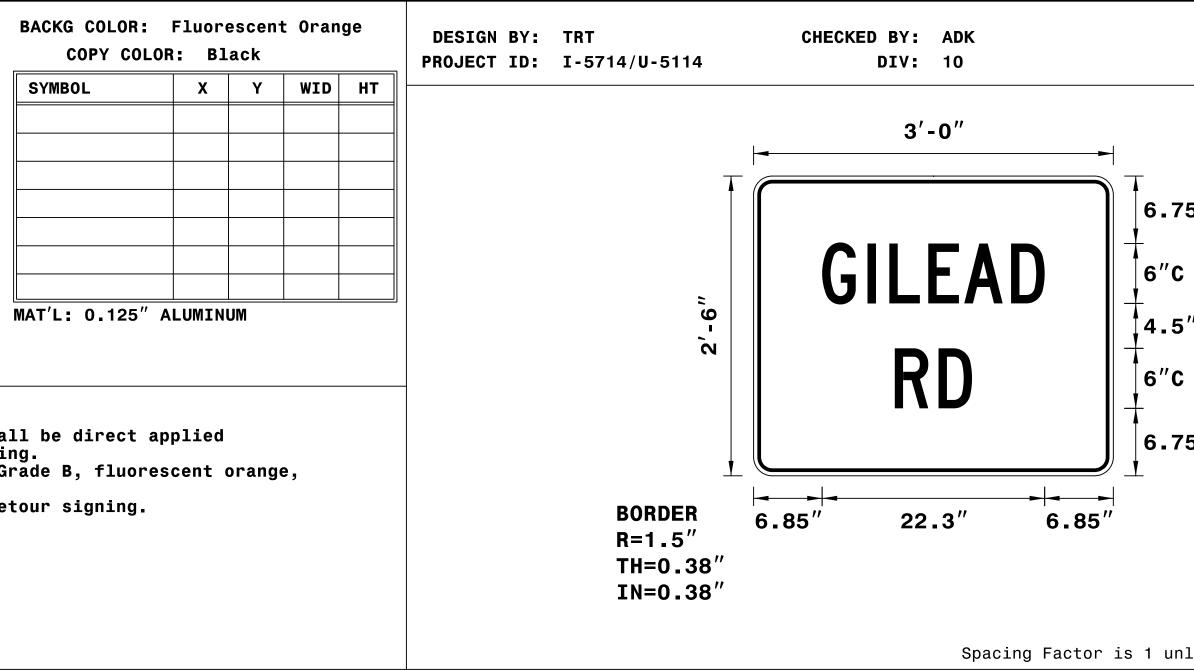
PROJ. REFERENCE NO.	SHEET NO.
I-5714 & U-5114	TMP-2A

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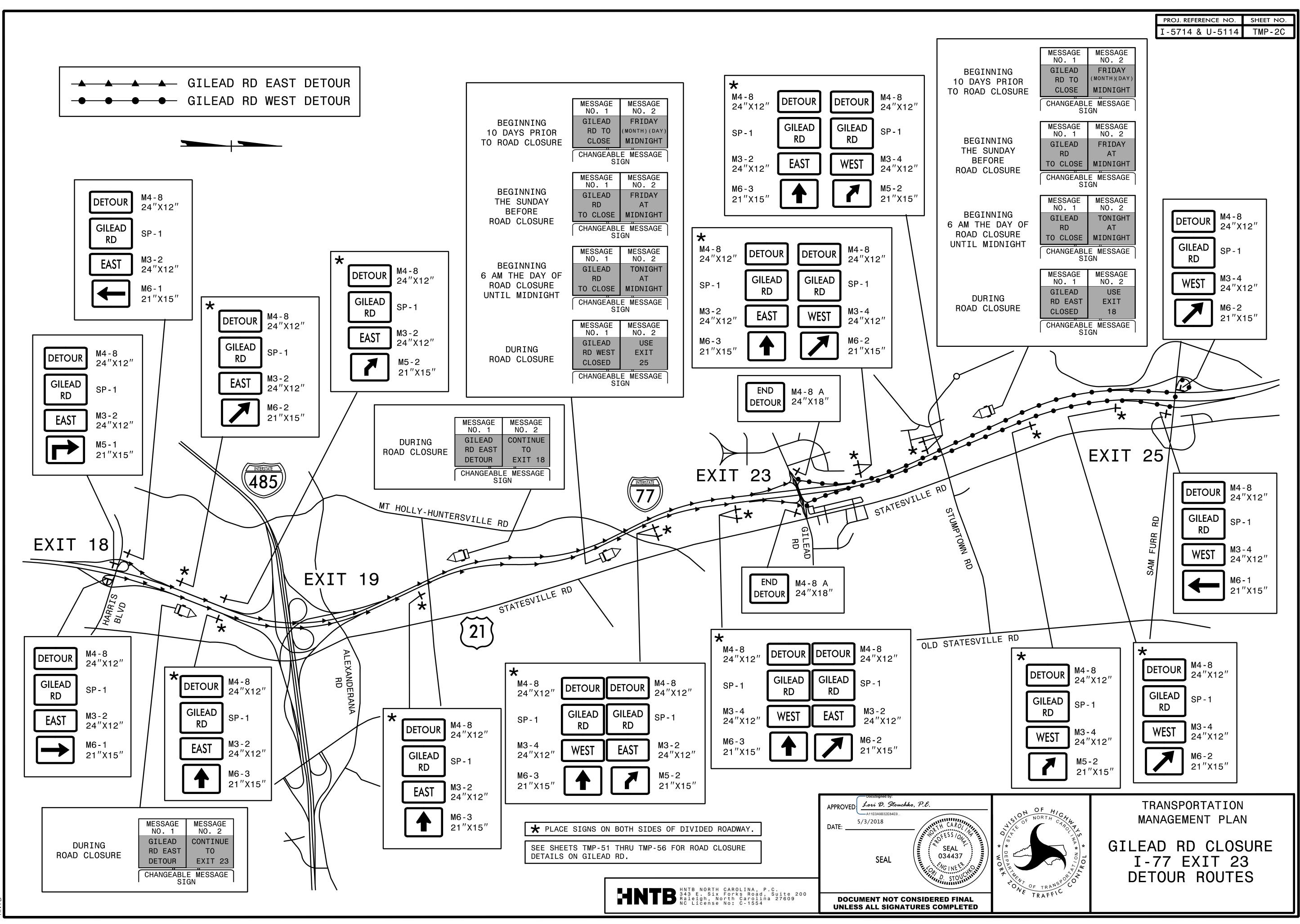


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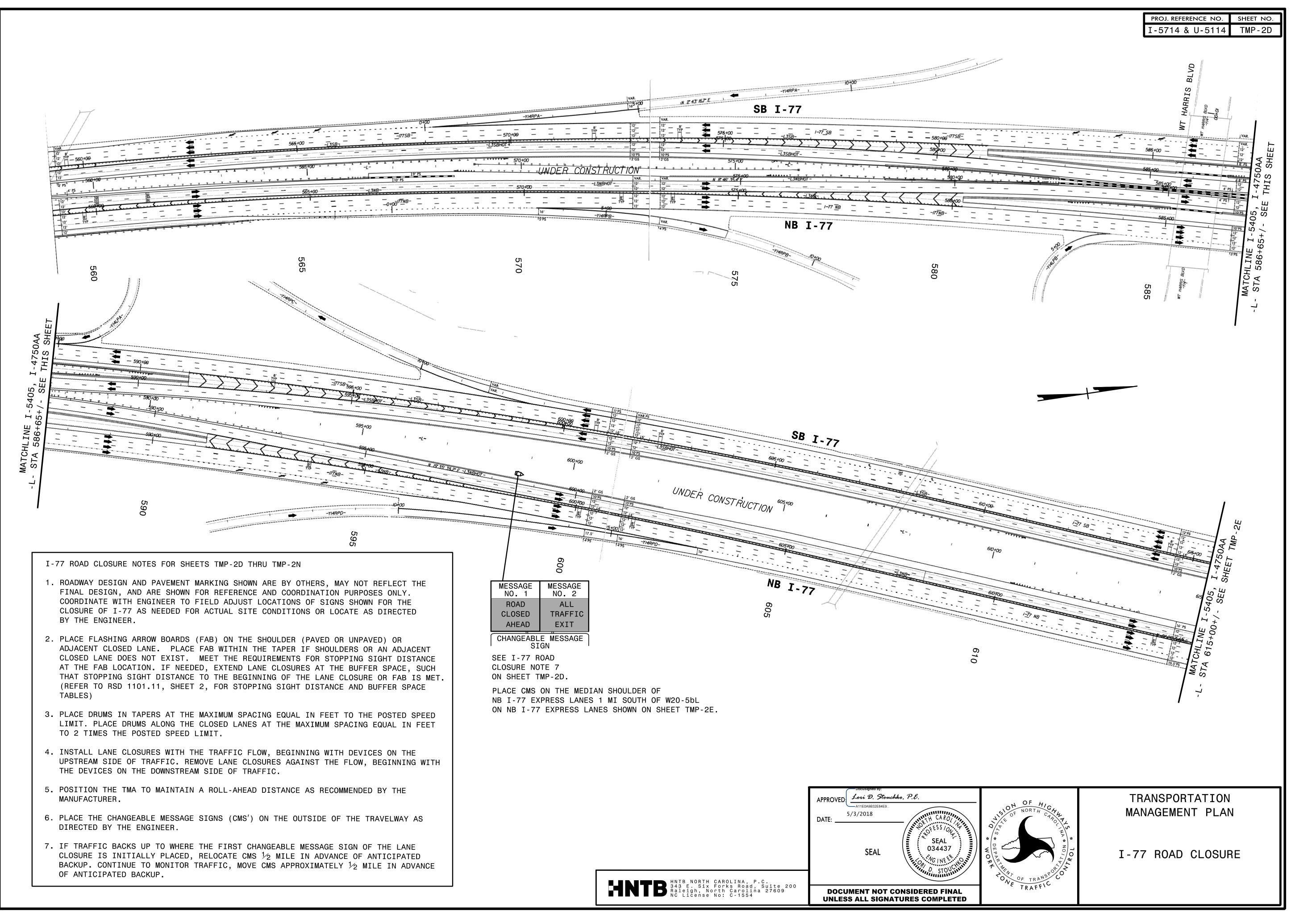
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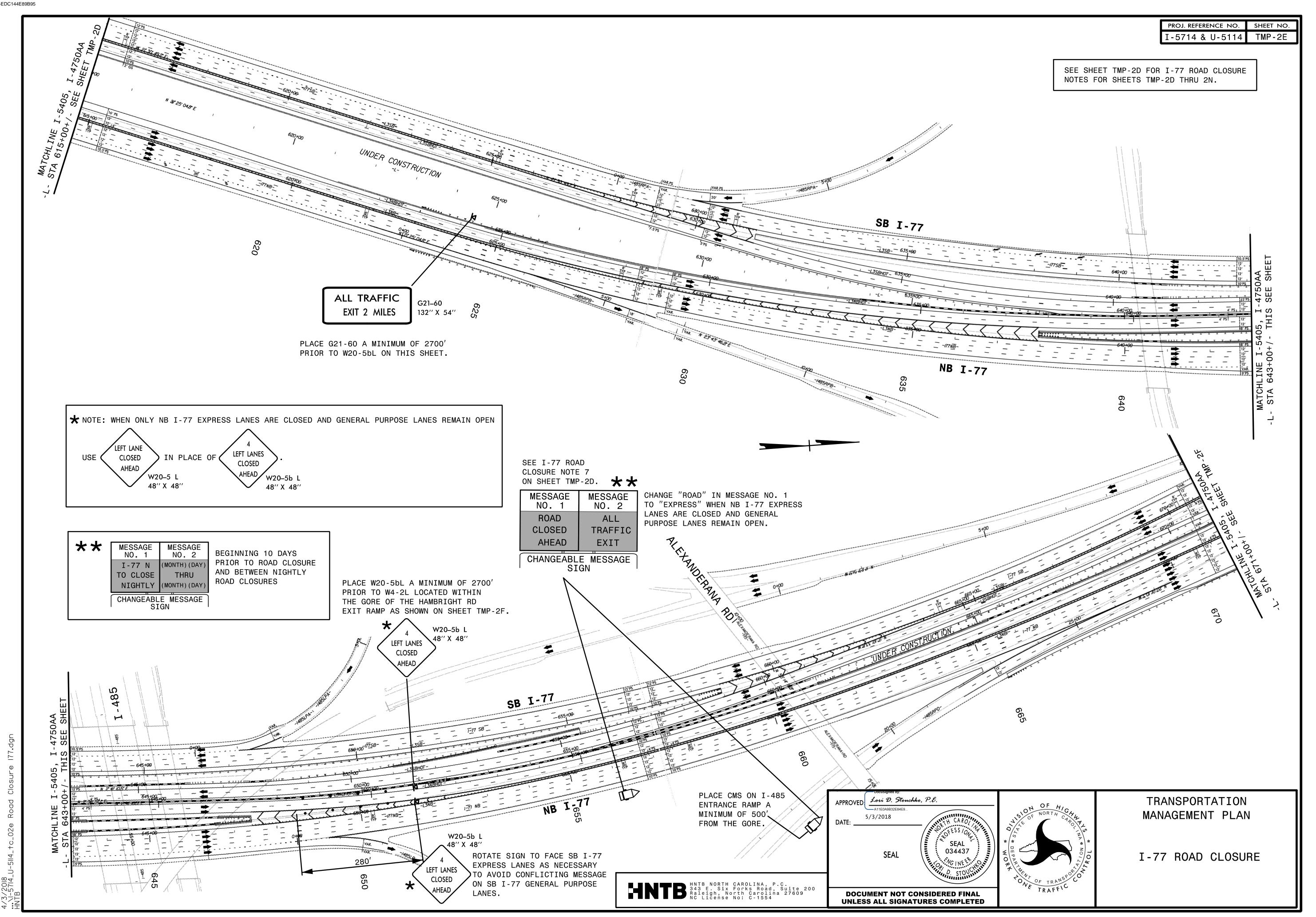


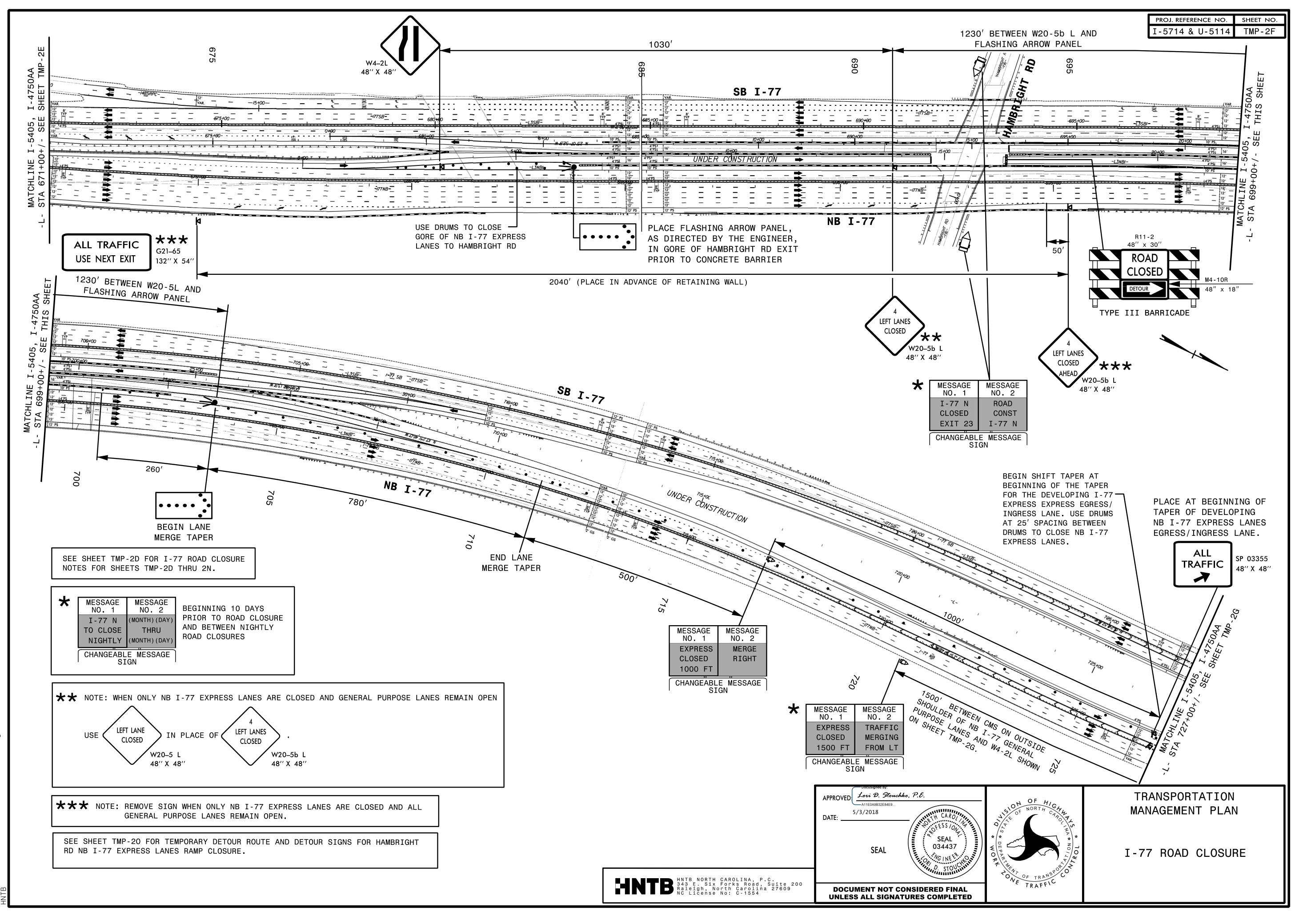
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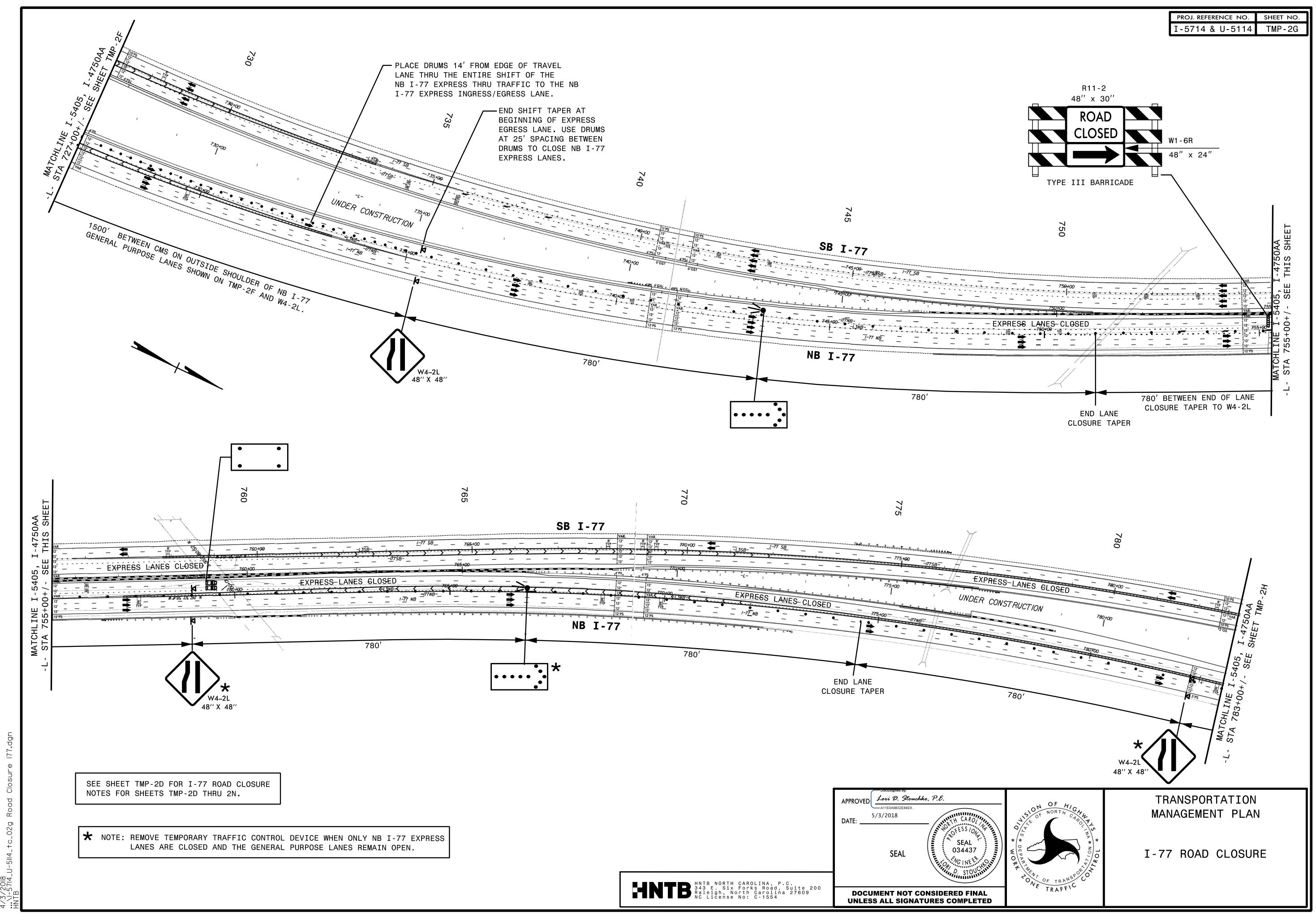


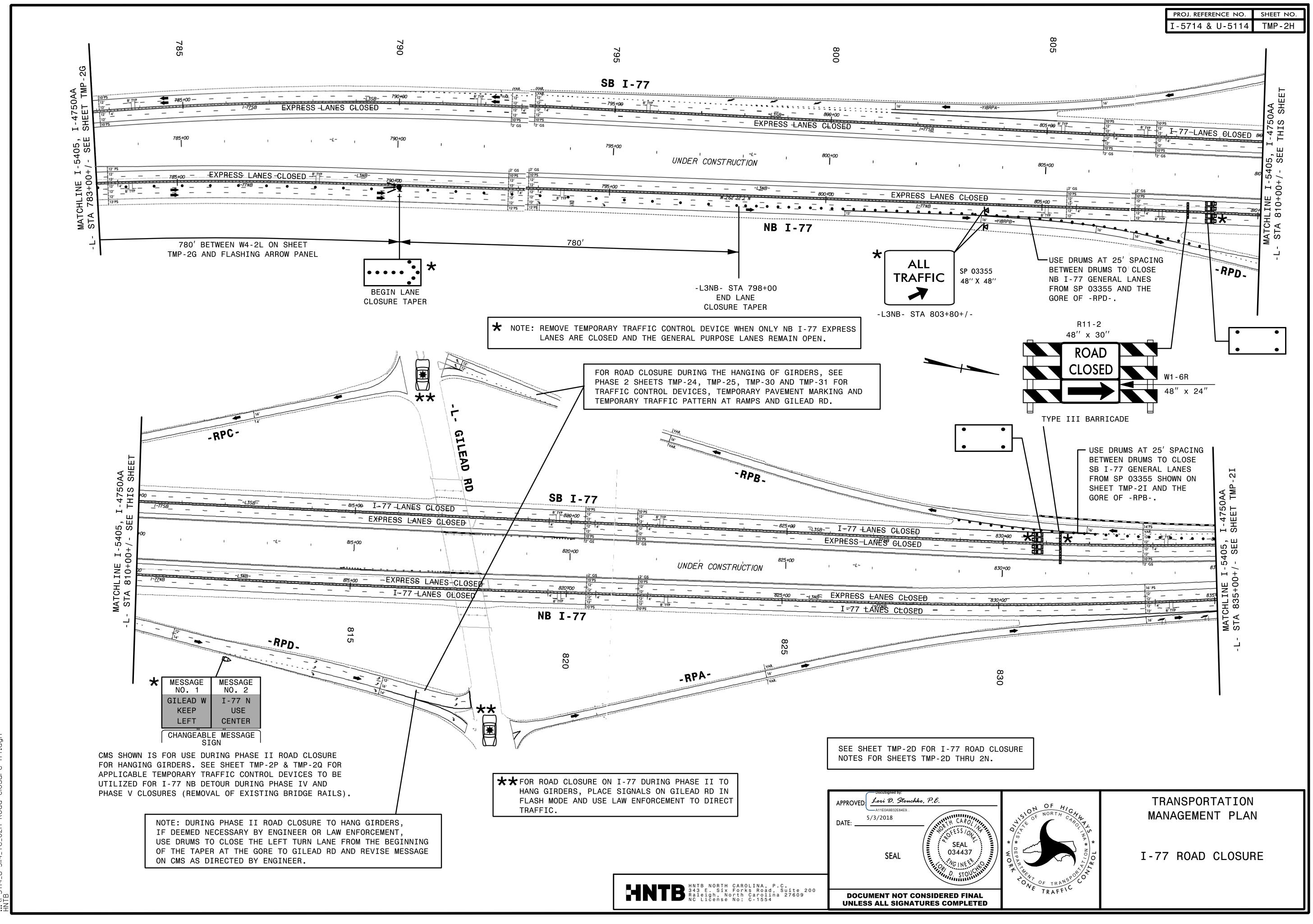
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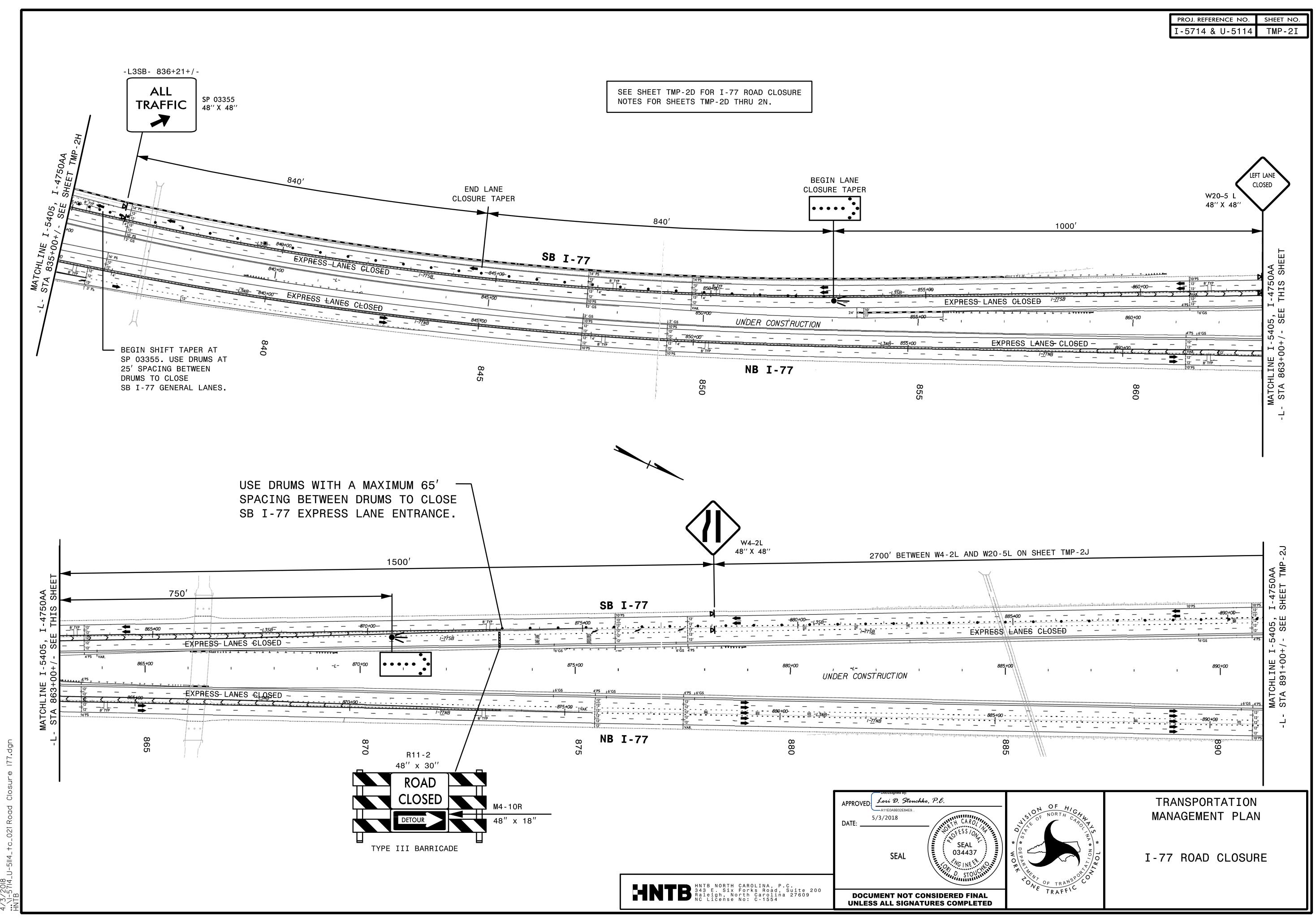


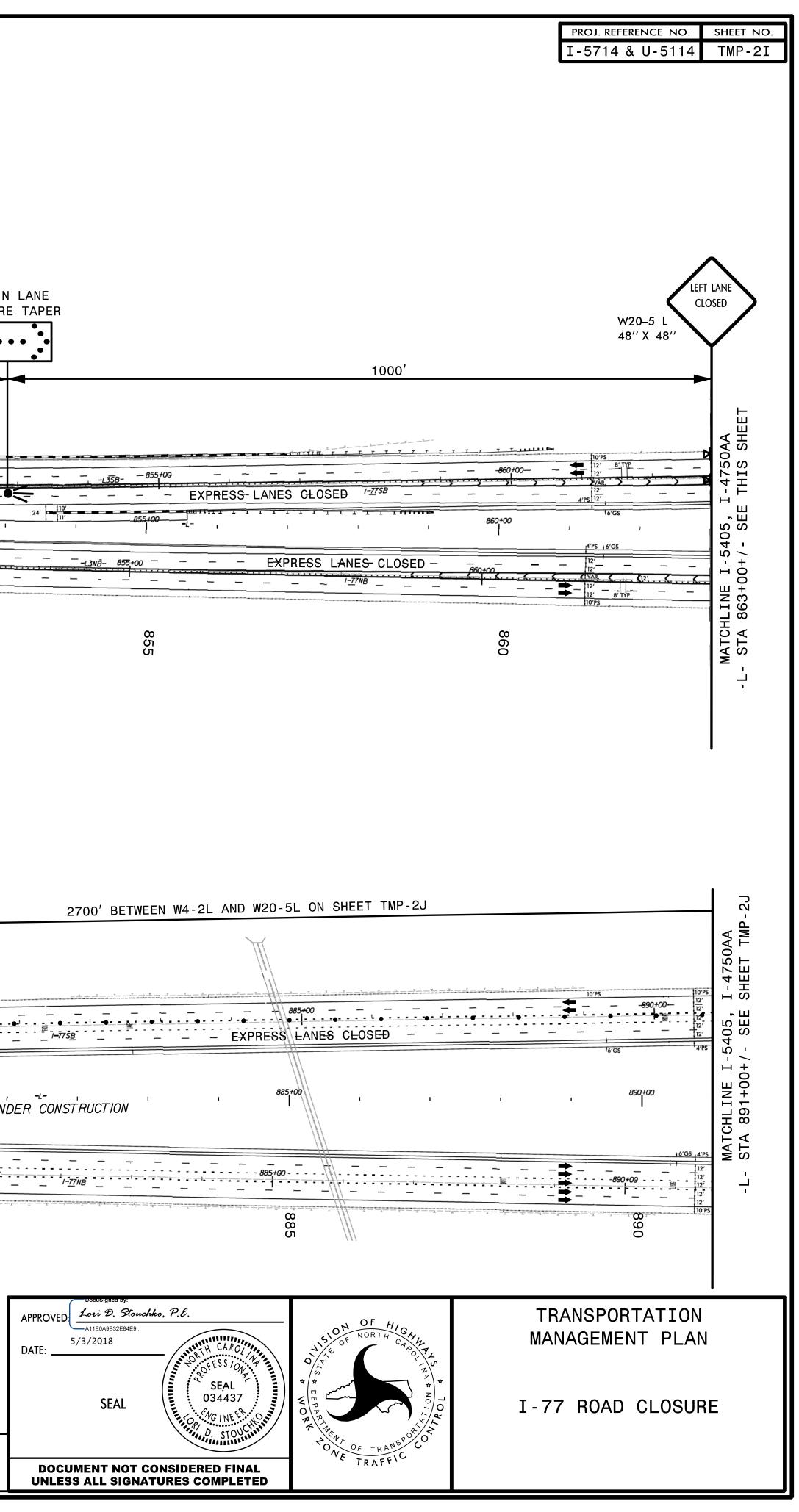


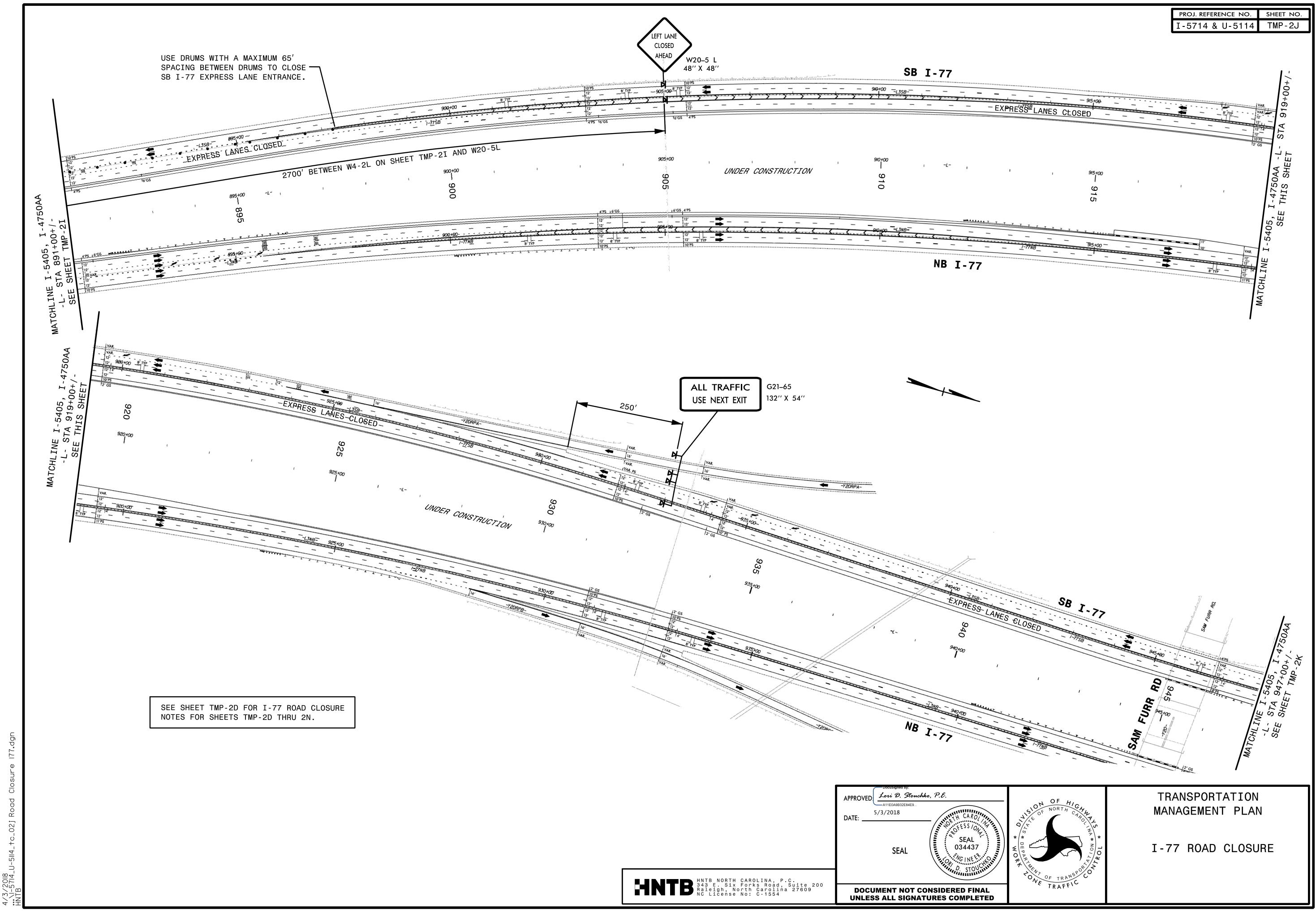


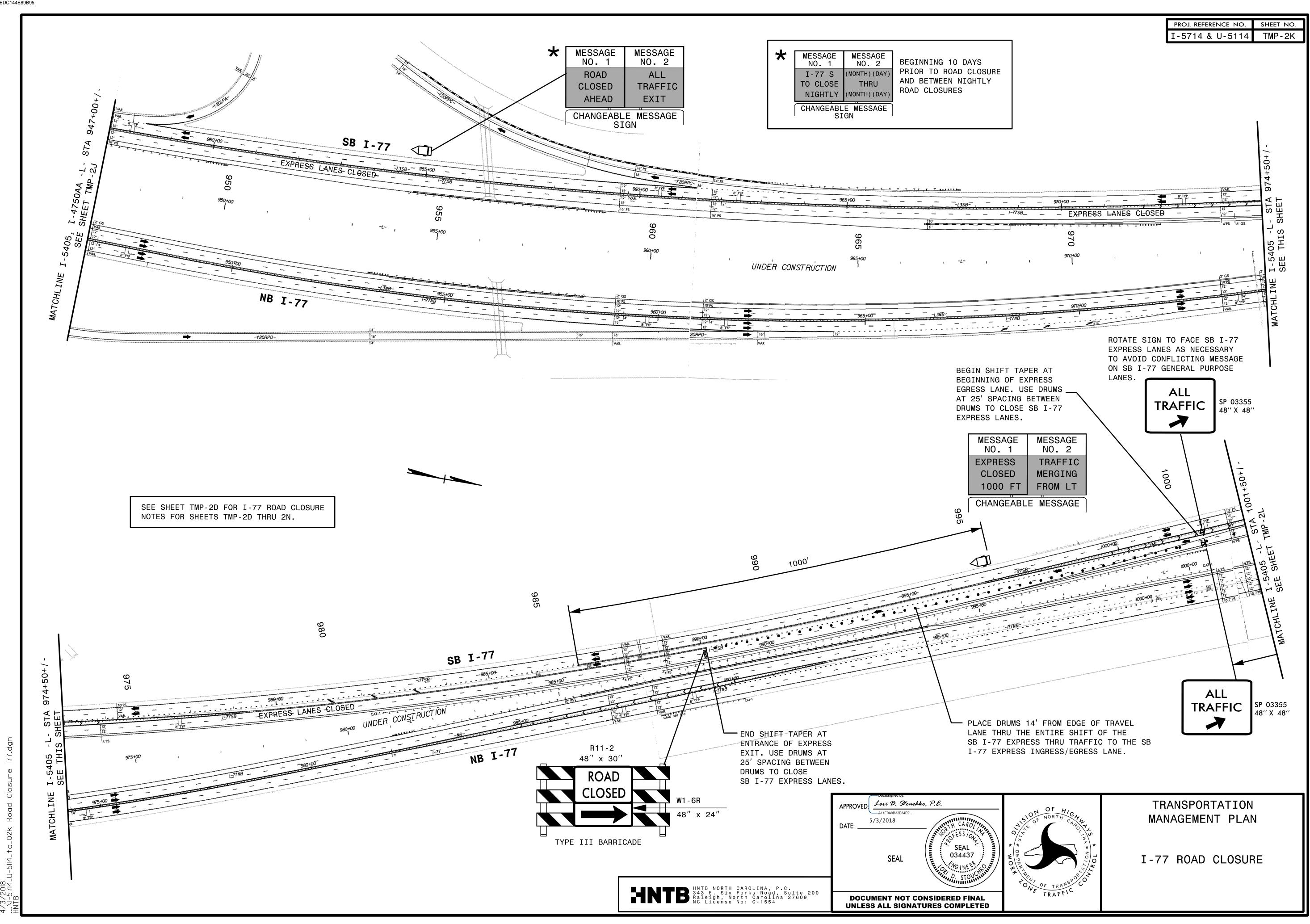


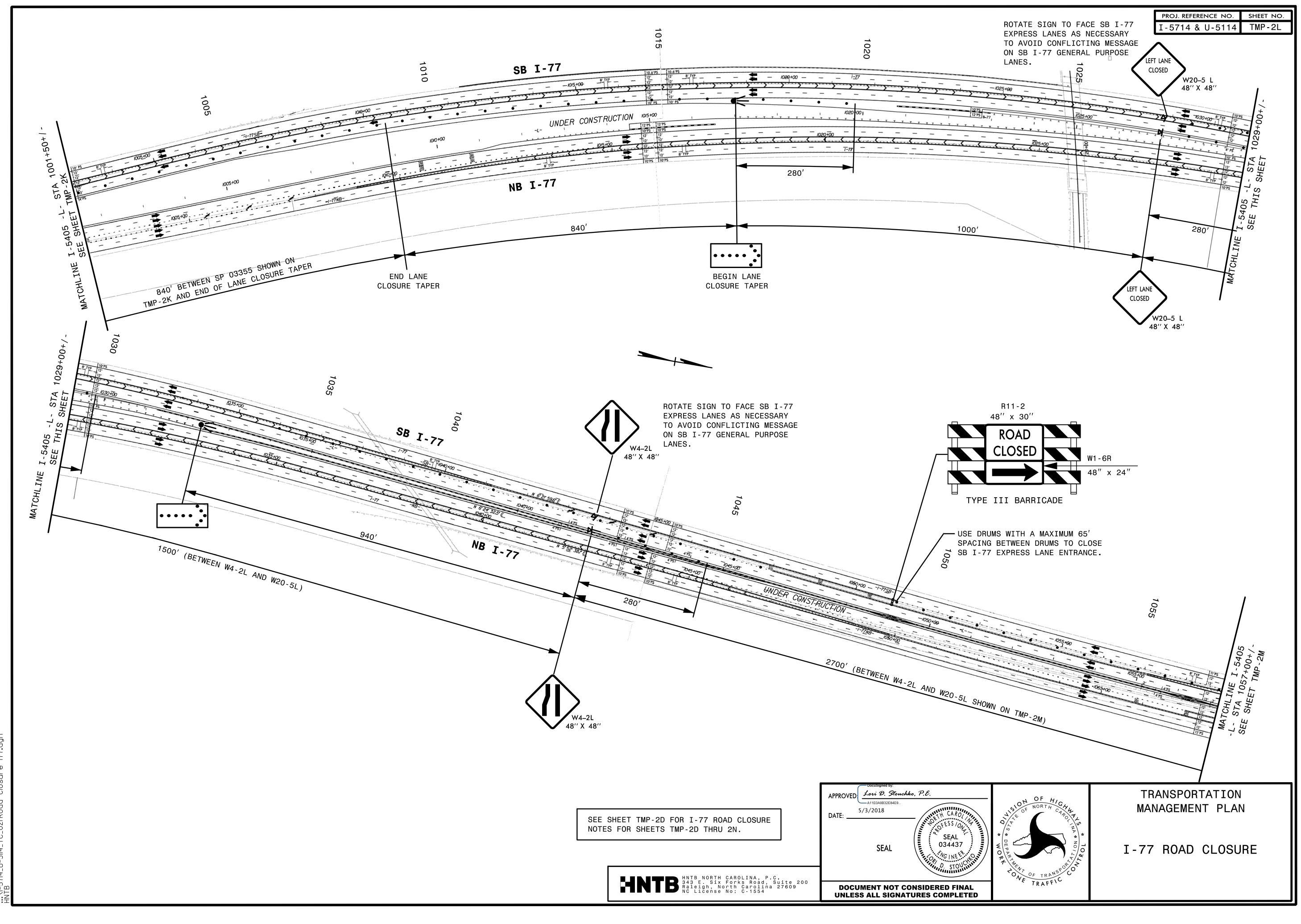
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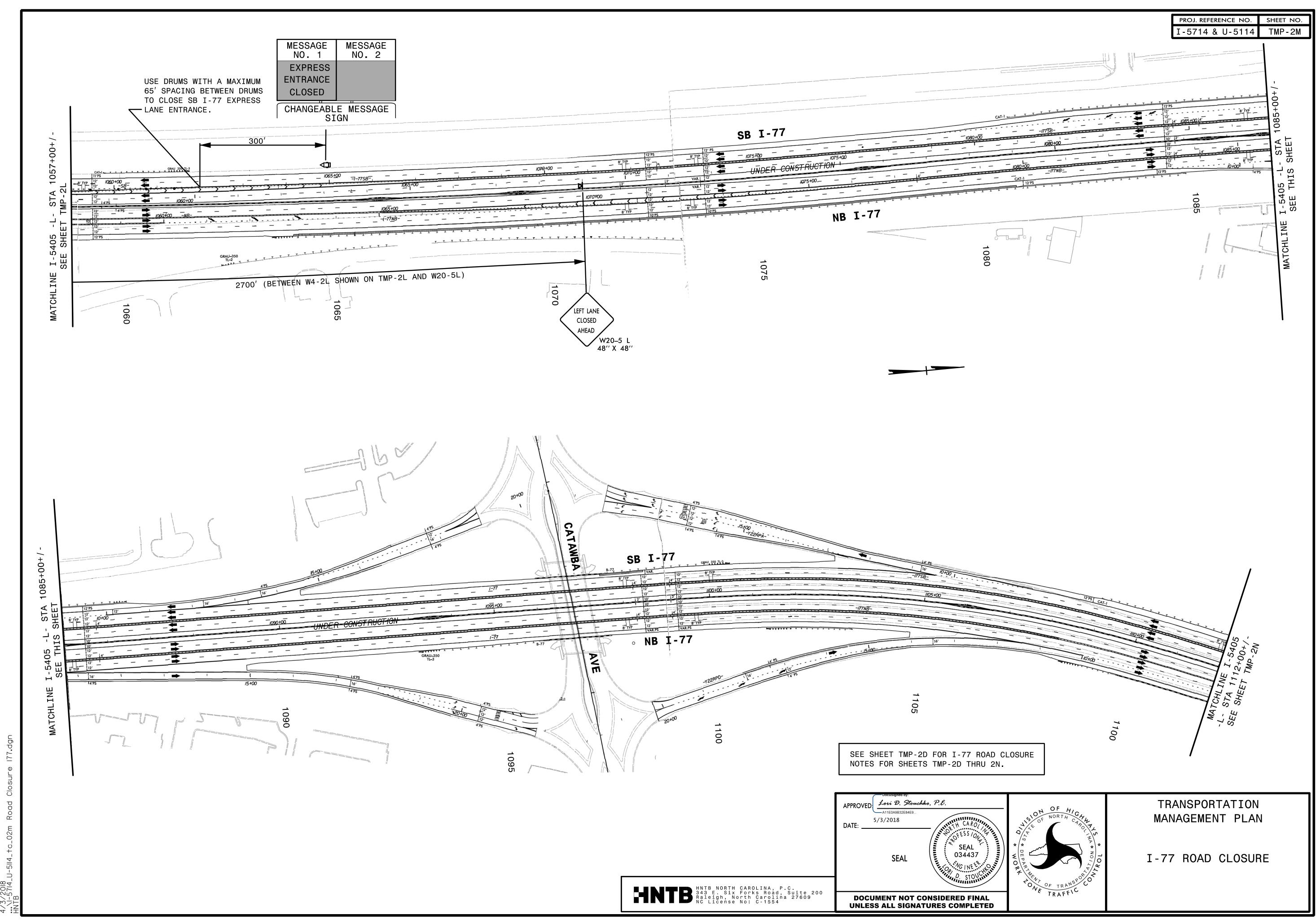


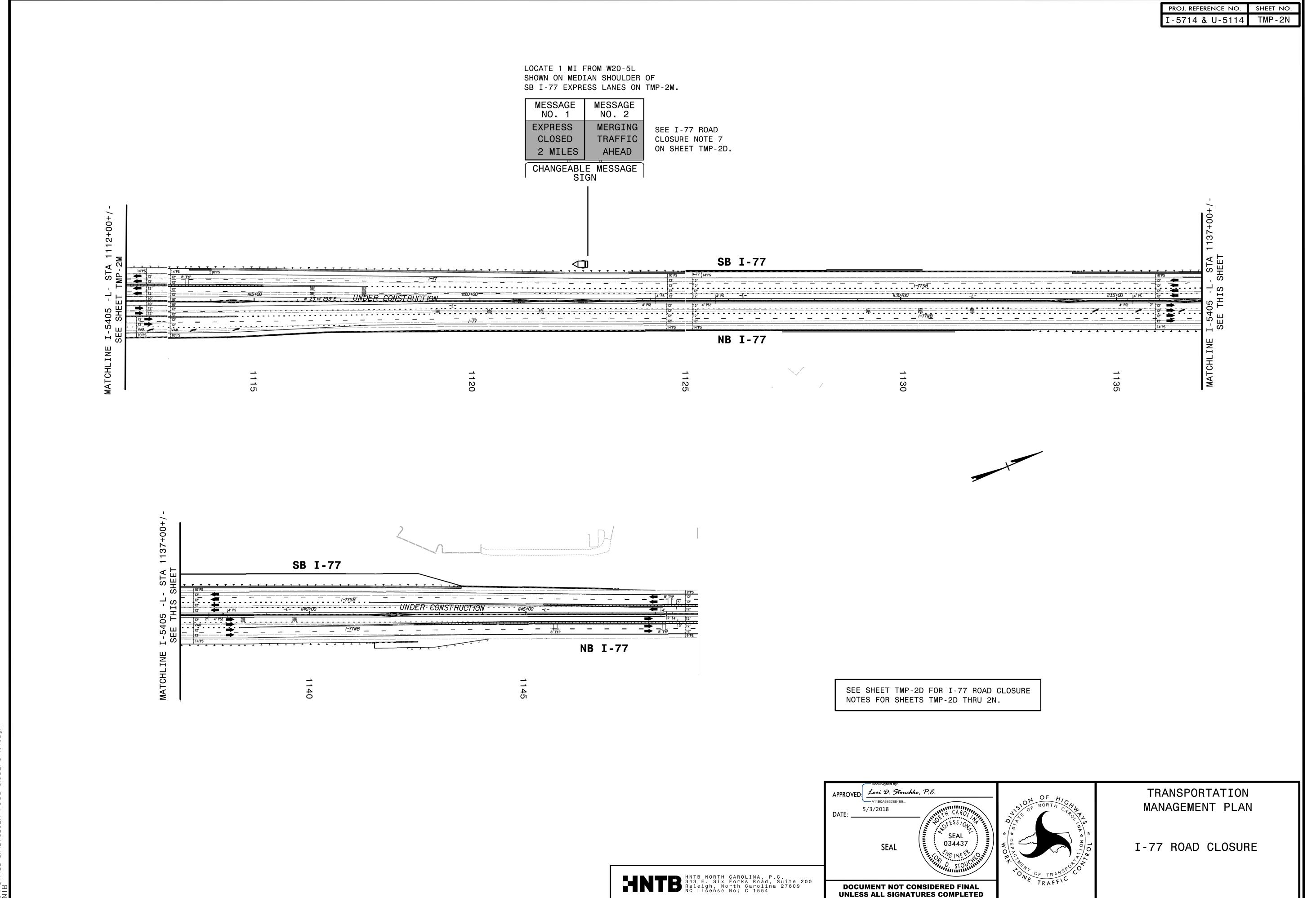






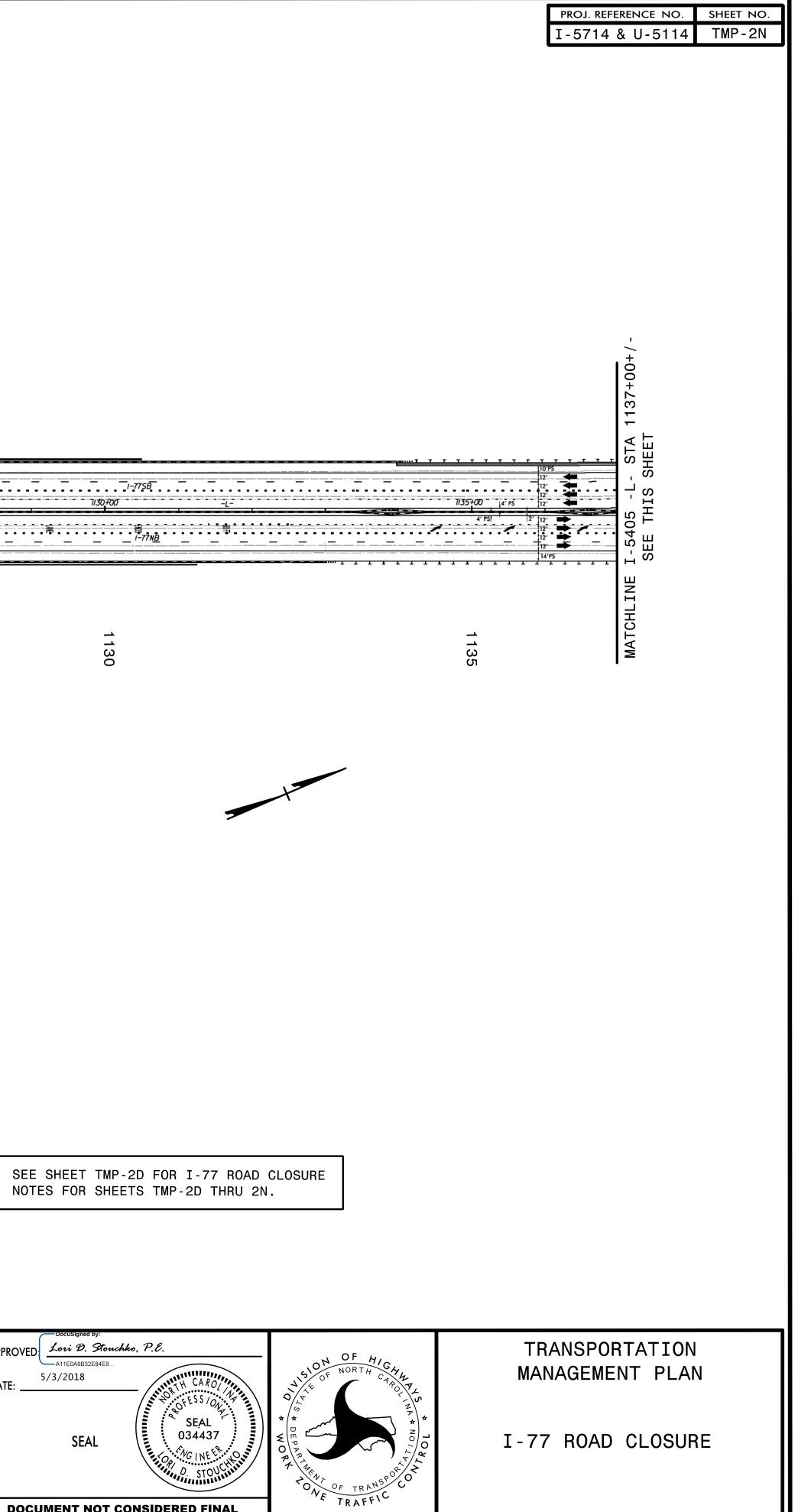
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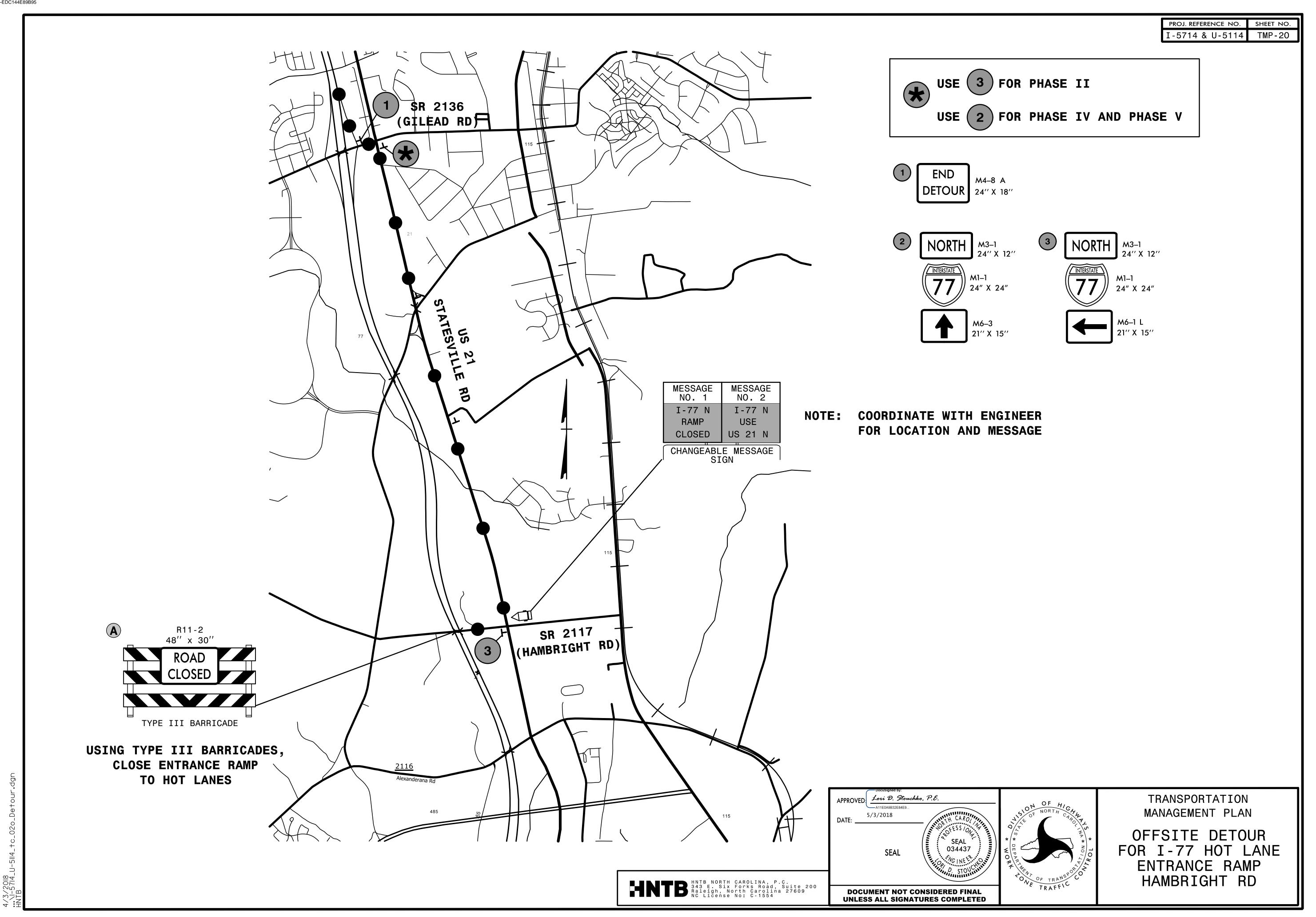


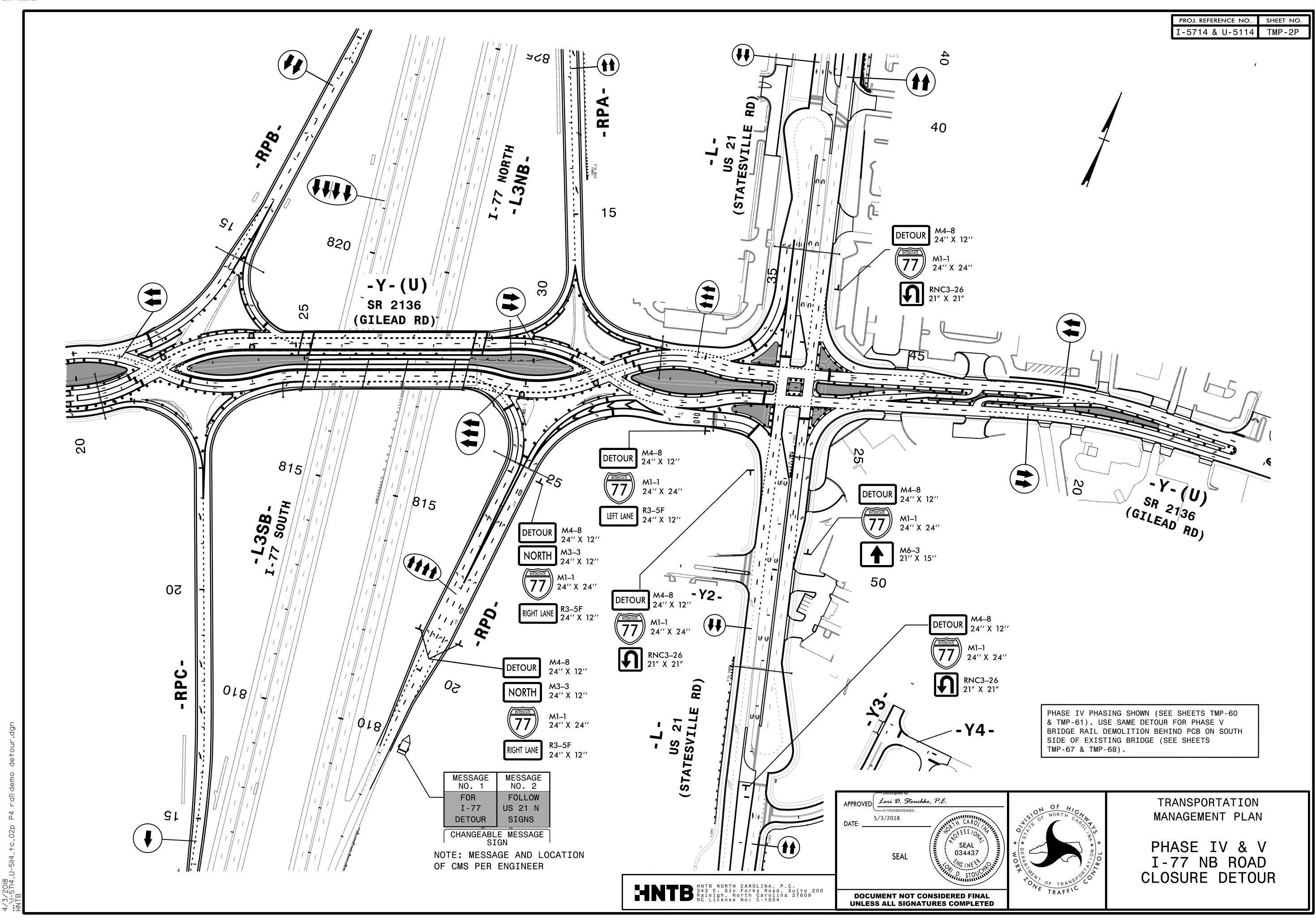


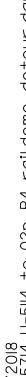
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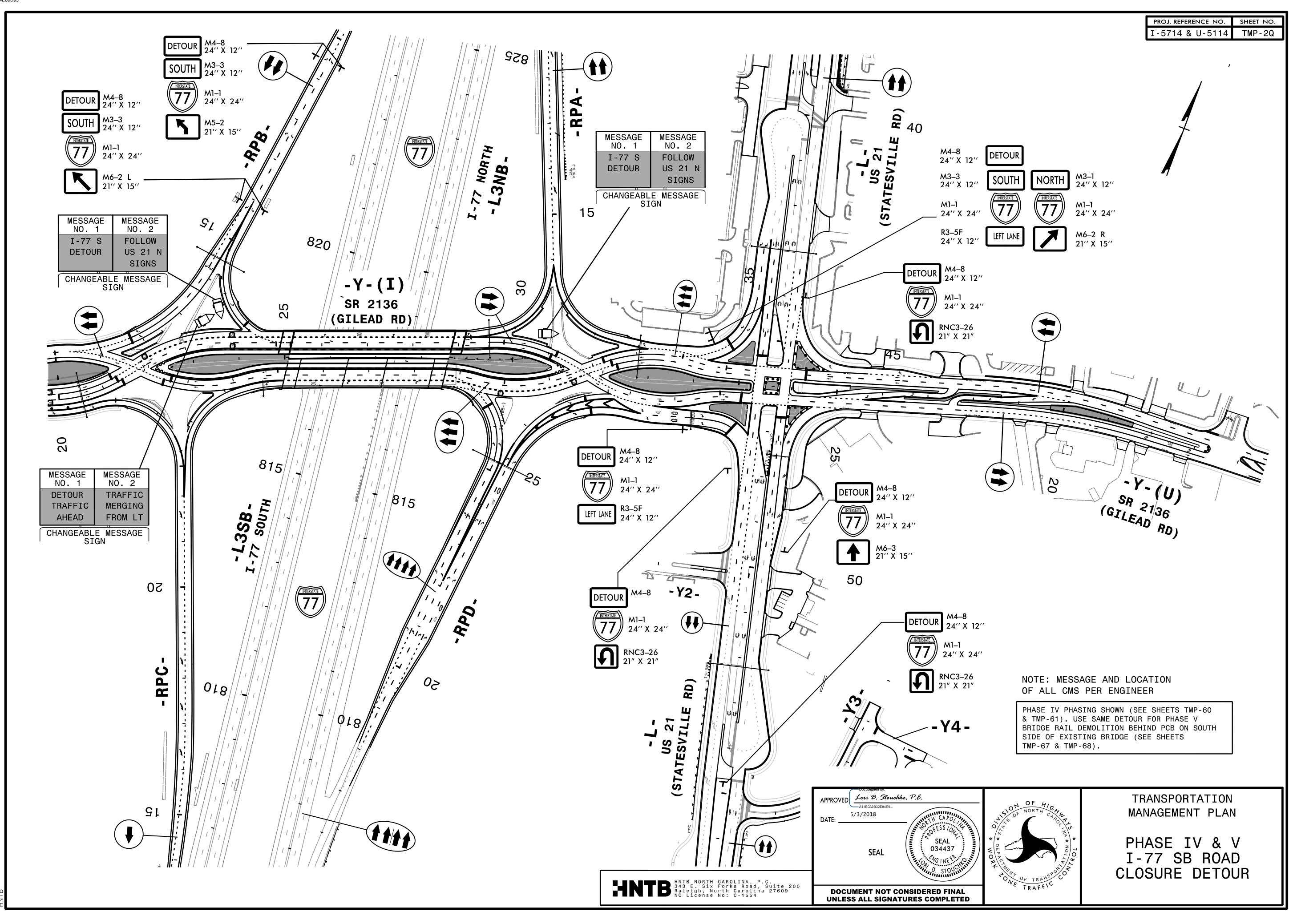








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NOTES:

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

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

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

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

THE TERM RSD DENOTES "ROADWAY STANDARD DRAWING".

PLACE FINAL SIGNING AS NEEDED. REFER TO FINAL SIGNING PLANS.

-Y-(I) DENOTES THE -Y- ALIGNEMNT FOR PROJECT I-5714 AND -Y-(U) DENO THE -Y- ALIGNMENT FOR PROJECT U-5114.

### PHASE I

(SEE TMP-4 FOR OV

STEP 1: INSTALL WORK ZONE ADVANCE WARNING SIGNS ON -L-, -Y-(I), -Y -Y4-, -Y5-, -Y6-, -Y10-, -Y11-, -SR-, -SR2- COMMERCE CENTRE I-77 IN COORDINATION WITH ADJACENT PROJECT, AND ALL ROADS INTERSECT -L- AND -Y- WITHIN THE PROJECT LIMITS ACCORDING RSD 1101.01.

NOTE: STEP 2 MAY BE COMPLETED CONCURRENTLY WITH PHASE 1, STEPS 3 T

NOTE: REFER TO SHEETS TMP-6, TMP-7, TMP-12 AND TMP-13 FOR STEP 2 DETAILS.

STEP 2: COMPLETE THE FOLLOWING:

2A: USING RSD 1101.02 (SHEET 4 OF 14) AS NEEDED, PLACE TEMPORAR PCB AND CRASH CUSHIONS ON THE OUTSIDE SHOULDERS OF -L3SB- A -L3NB- AS SHOWN ON SHEETS TMP-6, TMP-7, TMP-12 & TMP-13. SE LOCAL NOTE 3.

USING RSD 1101.02 (SHEET 3 OF 14), PLACE TEMPORARY PAVEMEN WB -Y-(I) FROM STA 22+77+/- TO STA 25+10+/- AND FROM STA 28 TO STA 30+56+/-. PLACE TEMPORARY ANCHORED PCB AND CRASH CU ON WB -Y-(I) AS SHOWN ON TMP-6 AND TMP-7. (DO NOT ANCHOR PC BRIDGE DECK EXCEPT WHERE DIRECTED BY ENGINEER.)

- 2B: BEHIND BARRIER, CONSTRUCT END BENTS 1 AND 2, SLOPE PROTECTI AND I-77 OUTSIDE SHOULDER TRANSITIONS USING TEMPORARY SHORI AS NEEDED. (TMP-6 & TMP-7)
- 2C: USING RSD 1101.02 (SHEET 4 OF 14) AS NEEDED, REMOVE TEMPORA PCB AND CRASH CUSHIONS ON THE OUTSIDE SHOULDERS OF -L3SB- A -L3NB-. SEE LOCAL NOTE 3.

2D: MAY BEGIN PHASE II, STEP 6.

NOTE: REFER TO SHEETS TMP-5 THRU TMP-7, TMP-9, AND TMP-13 FOR STEP DETAILS.

STEP 3: USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, REMOVE EXISTIN MONOLITHIC ISLAND AT THE INTERSECTION OF THE EXISTING RAMP -RPB- AND -Y-(I), REPAIR PAVEMENT AND PLACE TEMPORARY MARKINGS ON THE EXISTING -RPB- AS SHOWN. (TMP-6, TMP-6A & TMP-13).

> USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, REMOVE EXISTIN MONOLITHIC ISLAND AT THE INTERSECTION OF THE EXISTING RAMP AND -Y-(I) AND REPAIR PAVEMENT. (TMP-7)

> USING NARROW LANES, REMOVE EXISTING MONOLITHIC ISLAND ON -L STA 26+40 TO STA 27+96+/- AND REPAIR PAVEMENT. (TMP-9)

> USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, REMOVE THE EXISTING GRASS MEDIAN ON -Y-(I) BETWEEN STA 20+50+/- AND ST 22+20+/- AND CONSTRUCT PROPOSED PAVEMENT UP TO THE EDGE OF EXISTING ROADWAY. (TMP-6)

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### **PHASING**

	PHASE I CONTINUED	(SEE TMP-4 FOR O	VERVIEW)	PHASE	I (CONTINU	ED)	
AT THE DIRECTED THE CTED	•	(TMP-5)	IS)		UP TO THE EDGE * RIGHT SIDE OF & TMP-13)	02 (SHEET 3 OF 1 OF EXISTING THE -RPA- FROM STA -RPB- FROM STA 1	FÓLL 12+7
R OF	* -Y-(I) AT EXISTING -RPA * -Y-(I)/-Y-(U) AT -L- (1	· ·				-RPC- FROM STA TS 4 & 9 OF 14),	
IN THE	NOTE: REFER TO SHEETS TMP-5 THRU	TMP-13 FOR STEP 4 DETAILS.			•	HE GORE OF -RPC-	
NO	SHIFT TRAFFIC TO NEW TEMPO TEMPORARY SIGNALS ON THE F * -Y-(I) FROM -Y11- TO -L * -Y-(U) FROM PINEWOOD DR * -L- (TMP-7A & TMP-9 THRU * -Y11- (TMP-5)	ACE TEMPORARY PAVEMENT MARKINGS, ORARY PATTERN, AND ACTIVATE FOLLOWING: - (TMP-5, TMP-6A, & TMP-7A) TO -L- (TMP-7A & TMP-8)			<ul> <li>* RIGHT SIDE OF TMP-6.</li> <li>* -SPURC- FROM INCLUDING -YW EXISTING GUAF</li> <li>* LEFT SIDE OF TMP-12)</li> <li>* LEFT SIDE OF STA 28+60+/-</li> </ul>	STA 10+89+/- TO B- FROM STA 23+3 DRAIL AT BRIDGE -RPD- FROM STA 1 -SPURD- FROM -RP TO STA 30+19+/-	THE 5+/- APPF 8+13 D- T AS S
	* -Y2- (TMP-11)					OM STA 11+50+/-	
OVERVIEW)	AS SHOWN ON TMP-5 AND TMP	SIGNS AND ADA COMPLIANT BARRICAD -6 TO CLOSE EXISTING SIDEWALK ON	WB			IC, BEGIN CONSTR B -Y-(U) FROM ST	
Y-(U), RE DR, THAT TO	AS NEEDED, REMOVE THE EXIS WB -Y-(I) AT THE INTERSEC	. USING RSD 1101.02 (SHEET 3 OF 1 STING CROSSWALK PAVEMENT MARKINGS TION OF -Y10- AND -Y-(I). SEE SIG L PLAN AS A RESULT OF THE TEMPORA (TMP-5 & TMP-6).	S ÓN GNAL		REMOVE EXISTING	02 (SHEET 1 OF 1 MEDIAN ISLANDS ND AT EXISTING W	AND
THRU 8.	NOTE: REFER TO SHEETS TMP-6 THRU	TMP-11 FOR STEP 5 DETAILS.			USING RSD 1101. CONSTRUCT THE F	02 (SHEET 1 OF 1 OLLOWING:	4) A
ARY AND	FROM STA 29+10+/-(APPRO ON TMP-6 & TMP-7 * APPROACH SLAB FILL ON	TO STA 25+09+/-(APPROACH SLAB) A OACH SLAB) TO STA 31+00+/-, AS SH -YEB- FROM STA 25+09+/- TO END BE STA 29+10+/ (TMP-6 & TMP-7) A 12+75+/- (TMP-7)	IOWN		<ul> <li>Y3- FROM STA EXISTING DALL ON THE LEFT S</li> <li>Y5- FROM -Y4 HILLCREST DR</li> </ul>	12+60+/- TO EXI AS ST TO -Y3- ST IDE OF -Y3 (TM - TO STA 10+86+/ FROM STA 10+86+/ IC, COMPLETE CON	A 13 P-11 - AN - TC
SEE	<pre>* -SPURA- FROM -YEB- TO S<sup>-</sup> * -Y3-, INCLUDING SIDEWALF</pre>	TA 11+75+/- (TMP-7) K, FROM STA 13+45+/- TO -L (TMP	<b>P-11</b> )			LOSE -SR- FROM S	
NT ON 28+60+/- CUSHIONS	EXISTING ROADWAY AND CONS	3 OF 14) AS NEEDED, BEGIN WIDENIN TRUCT PROPOSED SIDEWALK ON EB -Y-			(SHEET 1 OF 14)	STA 10+75+/- TO AND FLAGGERS AS -, INCLUDING ADJ	NEC
PCB ON	•	2 OF 14) AS NEEDED, PLACE WATER F				02 (SHEET 3 OF 1 54+82+/- TO STA	-
TION RING	BARRIER ON EB -Y-(U) AS SH AND CLOSE EXISTING SIDEWAL	HOWN, SHIFT PEDESTRIAN TRAFFIC TO LK AS SHOWN ON TMP-8.	D DETOUR	NOTE: ST	EPS 7 & 8 MAY BE	COMPLETED CONCU	RREN
RARY	WIDENING OF NB -L- AND COM	1 OF 14) AND FLAGGERS AS NEEDED, NSTRUCTION OF PROPOSED SIDEWALK O	ON NB		FER TO SHEET TMF -25 FOR STEP 8 D	-6, TMP-7, TMP-1 ETAILS.	2, T
AND		-Y-(U), FROM -Y-(U) TO STA 51+68+ 61+85+/ (TMP-7, TMP-9, TMP-10 &	-	STEP 7:	COMPLETE THE FO	LLOWING:	
	USING RSD 1101.02 (SHEET 3 AS SHOWN ON TMP-7.	3 OF 14), PLACE ANCHORED PCB ON W	VB -Y-(I)	7A:	TRAFFIC ON EB -	O2 (SHEET 2 OF 1 Y-(U) TO COMPLET FROM -Y-(U). (TM	ED S
Р 3	NOTE: REFER TO SHEETS TMP-5 THRU	TMP-14 FOR STEP 6 DETAILS.		7B:	AWAY FROM TRAFF	IC, COMPLETE SID	EWAL
ING P	STEP 6: BEHIND BARRIER, BEGIN CONS INCLUDING UNDERCUT EXCAVA		- TO -L-		ON WB -Y-(U) FF	OM STA 11+50+/- SIDEWALK. (TMP-1	то -
ING P -RPD-	<pre>* WIDEN AND RECONSTRUCT SI 8+77+/- (TMP-5) * RECONSTRUCT PROPOSED MED</pre>	POSED MÉDIAN ON -Y11- (TMP-5) IDEWALK ON -Y11- FROM 7+83+/- TO DIAN ISLANDS AND PROPOSED PAVEMEN +/- STA TO STA 9+99+/- AND ON -Y1	ΙT			02 (SHEET 3 OF 1 ENT ON EB -Y-(U) MP-15)	
-L- FROM		TRUCT PROPOSED SIDEWALK ON WB - INCLUDING -RPB- FROM -Y-(I)	APPROVED	– Docusignea by: Lori D. Stoucht	ko, P.E.		┳
STA F		WB -Y-(I) AS NECESSARY TO		A11E0A9B32E84E9 7/3/2018 SEAL	SEAL 034437	WORTH CAROLINA WOTH CAROLINA WORTH CAROLINA WOTH	TROL * Sr

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DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED** 

### PROJ. REFERENCE NO. SHEET NO. I-5714 & U-5114 ■ TMP-3

(SEE TMP-4 FOR OVERVIEW)

IG RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, BEGIN CONSTRUCTION O THE EDGE OF EXISTING THE FOLLOWING: GHT SIDE OF -RPA- FROM STA 12+75+/- TO STA 23+62+/-. (TMP-7 TMP-13) FT SIDE OF -RPB- FROM STA 12+45+/- TO STA 21+50+/-. (TMP-6 & MP-13) GHT SIDE OF -RPC- FROM STA 13+28+/- TO -SPURC- USING RSD 01.02 (SHEETS 4 & 9 OF 14), AS NEEDED, TO COMPLETE PROPOSED AINAGE AT THE GORE OF -RPC- AT -L3SB-. SEE LOCAL NOTE 3. MP-6 & TMP-12) GHT SIDE OF -SPURC- FROM -RPC- TO STA 10+89+/- AS SHOWN ON IP-6. PURC- FROM STA 10+89+/- TO THE EDGE OF EXISTING -Y-(I), CLUDING -YWB- FROM STA 23+35+/- TO STA 25+08+/-. MAINTAIN (ISTING GUARDRAIL AT BRIDGE APPROACH AT -SPURC-. (TMP-6) FT SIDE OF -RPD- FROM STA 18+13+/- TO -SPURD-. (TMP-7 & (P-12) FT SIDE OF -SPURD- FROM -RPD- TO -Y-(I) INCLUDING -YWB- FROM TA 28+60+/- TO STA 30+19+/- AS SHOWN ON TMP-7. FROM TRAFFIC, CONSTRUCT SIDEWALK, DRIVES, CURB AND GUTTER EB -Y-(U) FROM STA 11+50+/- TO -L-. (TMP-7 & TMP-8) FROM TRAFFIC, BEGIN CONSTRUCTION OF SIDEWALK, DRIVES, CURB GUTTER ON WB -Y-(U) FROM STA 11+50+/- TO -L-. (TMP-7 & TMP-8) IG RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS AS NEEDED VE EXISTING MEDIAN ISLANDS AND CONSTRUCT PROPOSED PAVEMENT Y1-, -Y2- AND AT EXISTING WILMINGTON ST AS SHOWN ON TMP-9, 10 & TMP-11 IG RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS AS NEEDED, TRUCT THE FOLLOWING: '3- FROM STA 12+60+/- TO EXISTING DALLAS ST, FROM ISTING DALLAS ST TO -Y3- STA 13+45+/- INCLUDING SIDEWALK THE LEFT SIDE OF -Y3-. (TMP-11) '5- FROM -Y4- TO STA 10+86+/- AND TO EDGE OF EXISTING LLCREST DR FROM STA 10+86+/- TO STA 11+84+/-. (TMP-11) FROM TRAFFIC, COMPLETE CONSTRUCTION OF -Y3- FROM STA ·5+/- TO -L-. (TMP-11) IG TMP-14, CLOSE -SR- FROM STA 10+50+/- TO STA 19+00+/--SR2- FROM STA 10+75+/- TO -SR-. USING RSD 1101.02 ET 1 OF 14) AND FLAGGERS AS NECESSARY, CONSTRUCT -SR -, AND -SR2-, INCLUDING ADJACENT SIDEWALKS. (TMP-14) IG RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLETE WIDENING OF NB FROM STA 54+82+/- TO STA 55+82+/-. (TMP-11) & 8 MAY BE COMPLETED CONCURRENTLY. O SHEET TMP-6, TMP-7, TMP-12, TMP-13, TMP-15, AND TMP-23 OR STEP 8 DETAILS. LETE THE FOLLOWING: G RSD 1101.02 (SHEET 2 OF 14) AS NEEDED, SHIFT PEDESTRIAN FIC ON EB -Y-(U) TO COMPLETED SIDEWALK AND REMOVE WATER ED BARRIER FROM -Y-(U). (TMP-15) FROM TRAFFIC, COMPLETE SIDEWALK, DRIVE, CURB AND GUTTER B -Y-(U) FROM STA 11+50+/- TO -L- AND SHIFT PEDESTRIAN

G RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, CONSTRUCT PORARY PAVEMENT ON EB -Y-(U) FROM STA 14+44+/- TO STA 5+/--L-. (TMP-15)



TRANSPORTATION MANAGEMENT PLAN

### PHASING

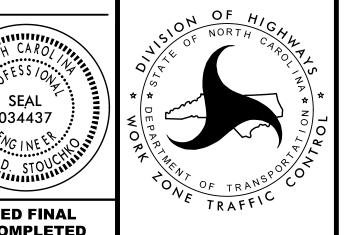
FNASE	I (CONTINUED) (SEE TMP-4 FOR
	USING RSD 1101.02 (SHEET 3 OF 4) AND LAW ENFORCMENT AS N INSTALL TEMPORARY SIGNALS (SEE SIGNAL PLANS) AT THE FOLL INTERSECTIONS:
	* -Y-(I) AT -Y10-/-Y11- (TMP-23) * -Y-(I) AT EXISTING -RPB-/-RPC- (TMP-24) * -Y-(I) AT EXISTING -RPA-/-RPD- (TMP-25) * -Y-(I)/-Y-(U) AT -L- (TMP-25)
	USING LANE SHIFTS ON THE RAMPS, RSD 1101.02 (SHEET 3 OF AND LAW ENFORCEMENT AS NEEDED, COMPLETE PAVING AND WEDGI OF THE FOLLOWING (NOTE: PROVIDE TEMPORARY WEDGING FROM PROPOSED RAMPS TO EXISTING RAMPS AS NECESSARY TO MAINTAI
	<pre>EXISTING TRAFFIC): * RIGHT SIDE WIDENING AND WEDGING OF EXISTING -RPA- FROM STA 12+75+/- TO STA 23+62+/ (TMP-7 &amp; TMP-13) * -RPA- FROM -Y-(I) TO STA 12+75+/ (TMP-7) * LEFT SIDE WIDENING AND WEDGING EXISTING -RPB- FROM STA 12+45+(</pre>
	<pre>12+45+/- TO STA 21+50+/ (TMP-6 &amp; TMP-13) * RIGHT SIDE WIDENING AND WEDGING OF EXISTING -RPC- FROM STA 13+28+/- TO -SPURC (TMP-6 &amp; TMP-12) * RIGHT SIDE OF -SPURC- FROM -RPC- TO STA 10+89+/- AS SH ON TMP-6.</pre>
	<ul> <li>* -SPURC- FROM STA 10+89+/- TO STA 11+70+/ (TMP-6)</li> <li>* -SPURC- UP TO EXISTING EDGE OF -Y-(I) AND PROPOSED CURB AND GUTTER OF -SPURC- FROM STA 11+70+/- TO -Y-(I) INCLUDING -YWB- FROM STA 23+35+/- TO STA 25+07+/ USE TRUCK MOUNTED ATTENUATOR AFTER REMOVING EXISTING GUARD UNTIL COMPLETION OF PROPOSED CURB AND GUTTER ON -YEB- THE BRIDGE APPROACH.</li> </ul>
	<ul> <li>* LEFT SIDE OF -RPD- FROM STA 18+13+/- TO -SPURD-, WEDGE EXISTING -RPD- UP TO A TEMPORARY GRADE MATCHING THE CF SLOPE OF THE EXISTING RAMP. (TMP-6 &amp; TMP-12)</li> <li>* LEFT SIDE OF -SPURD- FROM -RPD- TO STA 11+55+/ (TMF * -Y-(I) FROM -RPA- TO STA 34+00+/ (TMP-7)</li> </ul>
NOTE: RE	FER TO SHEET TMP-7, TMP-9 THRU TMP-10 & TMP-16 FOR STEP 8
STEP 8:	COMPLETE THE FOLLOWING:
8A:	USING RSD 1101.02 (SHEETS 1 & 2 OF 14) AND FLAGGERS AS N PLACE TEMPORARY PAVEMENT MARKINGS ON -L-, -Y3-, -Y4- AND AND SHIFT TRAFFIC TO NEW TEMPORARY PATTERN. CLOSE EXISTI DALLAS ST AT -L- USING TYPE III BARRICADES.
8B:	USING RSD 1101.02 (SHEET 2 OF 14), PLACE TEMPORARY ANCHO PCB AND CRASH CUSHIONS ON -L- AS SHOWN ON TMP-16.
8C:	BEHIND ANCHORED BARRIER, CONSTRUCT NB -L- FROM STA 51+68 TO STA 54+82+/
	USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS AS NEEDED CONSTRUCT SHOULDER OF -Y4- AT EXISTING HILLCREST DR, AND SHOULDER OF -Y5- FROM STA 10+86+/- TO STA 11+84+/ REMO THE REMAINING EXISTING PAVEMENT OF HILLCREST DR.
8D:	USING RSD 1101.02 (SHEET 2 OF 14), REMOVE TEMPORARY PCB -L- PLACED IN STEP 8B.
8E:	COMPLETE WIDENING OF NB -L- FROM STA 26+40+/- TO STA 51+ AND FROM STA 55+82+/- TO STA 61+85+/-, INCLUDING CONSTRU OF PROPOSED SIDEWALK. (TMP-7, & TMP-9 THRU TMP-11)
r	COMPLETE CONSTRUCTION OF PROPOSED SIDEWALK ON RIGHT SIDE -Y3- FROM STA 12+60+/- TO -L
NOTE: RE	FER TO SHEET TMP-7 FOR STEP 9 DETAILS.
STEP 9:	REMOVE ANCHORED PCB FROM WB -Y-(I) AS SHOWN ON TMP-7 AND NB -L- AS SHOWN ON TMP-16.
	E THE REQUIREMENTS OF PHASE I, STEP 10 IN 14 DAYS. TERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)
NOTE: ST	EP 10 MAY BE COMPLETED CONCURRENTLY WITH STEPS 2 THRU 9.
NOTE: RE	FER TO SHEET TMP-9 FOR STEP 10 DETAILS.
STEP 10:	CONSTRUCT CONCRETE PAD AT THE PARK AND RIDE ADJACENT TO

/2018 -5714.

### PHASING

CLUCLE CHARGE       Inter: Interest to Busits Tup-24,	OVERVIEW)	PHASE	II	(SEE TMP-22 FOR OV	/ERVIEW) PH	ASE	II (CONTIN	NUED)	(SEE TMP-22 FOR OVERVIEW)
<pre>GUE 1 OWNELT THE TOULOWS: 14 14 14 14 14 14 14 14 14 14</pre>				23, TMP-24, TMP-25A, TMP-26 THRU TMP-31 F	OR	E: REF	FER TO SHEETS T	MP-23 THRU TMP-25,	& TMP-39 FOR STEP 4 DETAILS.
NED       USING RSD 1101.02 (SHEETS 4 & 9 OF 14) TO COMPLETE PROPOSED DRAINAGE IN THE GORE OF PROX. AND LONG S. SEE LOCAL NOTE 3. (TPP-34, TWP-31)       STA 39+30+7 TO STA 39+30+7 TO STA 39+30+7 TO STA 39+30+7 USE DRUMS AND +Y7- AS NEEDED TO MAINTAIN TRAFFIC.         1*/-       + LEFT SIDE OF -RPC. FROM STA 11+75+7- TO -RPA- AS SHOWN + WIDEN LEFT SIDE OF -RPC. FROM STA 13+28+7- TO -Y-(1). (TPP-32, TMP-30)       - YEB-FROM STA 23+00+7 TO STA 23+30+7 TO STA 39+30+7 TO STA 39+30+7 TO STA 39+30+7 TO STA 39+30+7 TO STA 39+30+7 TO STA 39+30+7 WING         NOTE: STEPS 3 & 4 MAY BE COMPLETE DE CONCURRENTLY       - YEB-FROM STA 23+00+7 TO STA 23+30+7 WING       - YEB-FROM STA 23+00+7 TO STA 23+30+7 WING         ON       NOTE: STEPS 3 & 4 MAY BE COMPLETE DE CONCURRENTLY       - NOTE: STEPS 3 & 4 MAY BE COMPLETE DE STADE OF -Y-(1).         ON       NOTE: STEPS 3 & 0 SHEETS TMP-25 FOR STEP 3 DETAILS.       - NOTE: STEPS 3: COMPLETE THE FOLOWING:         881 /- ON       34: USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, PLACE ANCHORED PCB ON THE RIGHT SIDE OF -RPD- THRU THE EB SIDE OF -Y-(1) AS SHOWN ON TMP-23.       - NO YEI (1), CONSTRUCT TEMPORARY WEOGING ON THE EXISTING RAMP TO THE EXISTING FROM FROM PROPOSED - RPD- AS NEEDED TO MAINTAIN TRAFFIC. (TMP-25, TMP-30)       - NO YEI (1), STA 39+30+7 TO Y-(1), STA 39+30+7 TO Y-(1).         IF FROM       SIDE OF -RPD- AND ON EB -Y-(1) EROMINARY WEORD PCB ON CONSTRUCTION OF EB -Y(1) - ROM -RPD- TO TO -L - (TMP-25).       - NO YEI (1), STA 39-100 THE RIGHT SIDE OF -RPD- AND -L       - NO YEI (1), STA 39-100 THE RIGHT SIDE OF -RPD- AND -L       NOTE SIDE OF -Y-(1).       - NO YEI (1), STA 39-100 THE	14) NG, N N N N N N N N N N N N N N N N N N	STEP 1 D STEP 1: 1A: 1B: NOTE: RE DETAILS.	DETAILS. COMPLETE THE FOLI USING RSD 1101.02 ENFORCEMENT AS NE SHOWN, SHIFT TRAF TEMPORARY SIGNALS * -Y11- INCLUDING OF -Y11-/-Y10- * -Y-(I) (TMP-24 * -Y-(U) (TMP-25A, * -Y2-(U) (TMP-25A, * -Y1- (TMP-27) * WILMINGTON ST A * -Y2- (TMP-29) * -SR-, -SR1-, AN FINAL PAVEMENT USING RSD 1101.02 * PLACE WATER FIL DETOUR PEDESTRI * CLOSE EXISTING USING TYPE III BA BLVD AND SIDEWALF USING TYPE III BA BLVD BETWEEN -Y7- AS SHOWN ON TMP-2 GATEWAY BLVD BETW EFER TO SHEETS TMP- USING RSD 1101.02 * WIDEN RIGHT SIE (TMP-24, TMP-3 * -SPURB- FROM SI	OWING: 2 (SHEET 1 & 3 OF 14), FLAGGERS AND LAW EDED, PLACE TEMPORARY PAVEMENT MARKINGS A FIC TO TEMPORARY PATTERN, AND ACTIVATE 3 AS FOLLOWS: 3 STOP BARS AND CROSSWALKS AT THE INTERSEC AND -Y-(I) (TMP-23) THRU TMP-26) RPC-, AND -RPD- (TMP-24, TMP-25A, TMP-30 TMP-27, TMP-28, TMP-29) AND HUNTERSVILLE GATEWAY BLVD.(TMP-28) HD -SR2- TO MATCH FINAL PAVEMENT MARKINGS MARKING PLANS) 2 (SHEET 3 OF 14) AS NEEDED: LED BARRIER ON -Y11- AS SHOWN ON TMP-23 A AN TRAFFIC TO -Y11 (TMP-23) SIDEWALK ON EB -Y-(I). (TMP-23 & TMP-24) ARRICADES, CLOSE EXISTING HUNTERSVILLE GAT CS AT -Y1 (TMP-27) ARRICADES, CLOSE EXISTING HUNTERSVILLE GAT AND WILMINGTON ST. DETOUR PEDESTRIAN TRA B DURING CLOSURE OF EXISTING HUNTERSVILLE GAT AND WILMINGTON ST. OF AND WILMINGTON ST.(TMP-28) 24, TMP-25, TMP-30 & TMP-31 FOR STEP 2 4 (SHEET 1 OF 1) AS NEEDED, BEGIN CONSTRUC DE OF -RPB- FROM -SPURB- TO STA 21+50+/ ) A 12+00+/- TO -RPB- (TMP-24)	STION STER	P 4: E: STE	USING RSD 1101 FOLLOWING: * WIDEN EB -Y- -Y11- TO STA TO MAINTAIN * COMPLETE WID FROM STA 17+ STA 24+67+/- TO MAINTAIN * COMPLETE WID 35+10+/ (T USING RSD 1101 -Y-(U) FROM ST USING RSD 1101 CONSTRUCT THE * SB -L- AND W FROM 39+80+/ MEDIAN FROM AT EXISTING & TMP-28) * SB -L-, INCL CONSTRUCT ME 54+68+/- TO * CURB AND GUT * MONOLITHIC I BEHIND BARRIER HUNTERSVILLE G USING RSD 1101 CONSTRUCT -Y7- USING RSD 1101 CONSTRUCT -Y7-	.02 (SHEET 3 OF 14) (I) AND CONSTRUCT F A 17+15+/ (WEDGE E EXISTING TRAFFIC.) DENING OF EB -Y-(I) -15+/- TO -RPC- AND TO -Y-(I). (WEDGE EXISTING TRAFFIC AND DENING OF WB -Y-(I) MP-25) 1.02 (SHEETS 1 & 3 C A 11+50+/- TO 25+59 1.02 (SHEET 1 OF 14) FOLLOWING: WEDGING OF -L- FROM '- TO -Y-(I), INCLUD STA 31+64+/- TO STA WILMINGTON ST AS SH UDING SIDEWALK, FROM DIAN CURB AND GUTTE STA 57+46+/ (TMP- TER AND WEDGING ON SLAND AND WEDGING C A, CONSTRUCT TURNARC ATEWAY BLVD AT -Y1- .02 (SHEET 1 OF 14) INCLUDING PROPOSED .02 (SHEET 3 OF 14) L THE TEMPORARY SIG ECTION OF -L- AND -Y SHOWN. TYPE III BARRICADES	AS NEEDED, CONSTRUCT THE PROPOSED SIDEWALK FROM EXISTING ROADWAY AS NECESSARY (TMP-23 & TMP-24) AND PROPOSED SIDEWALK THE LEFT SIDE OF -RPC- FROM EXISTING ROADWAY AS NECESSARY JD POSITIVE DRAINAGE.)(TMP-24) FROM STA 34+00+/- TO STA OF 14) AS NEEDED, CONSTRUCT WB D+/ (TMP-25 & TMP-26) AND FLAGGERS AS NEEDED, STA 26+40+/- TO 39+30+/- AND DING CURB AND GUTTER IN THE A 39+13+/-, MAINTAINING ACCESS HOWN ON TMP-28. (TMP-25, TMP-27) OM -Y-(I) TO STA 61+85+/ ER AS SHOWN ON TMP-29 FROM STA 25 & TMP-29) -Y1- (TMP-27) ON -Y2- (TMP-29) OUNDS AND SIDEWALKS ON (TMP-27) AND FLAGGERS AS NEEDED, OUNDS AND SIDEWALKS ON (TMP-27) AND FLAGGERS AS NEEDED, OS SIDEWALK. (TMP-28) AND LAW ENFORCEMENT AS SNAL (SEE SIGNAL PLANS) (-(I)/-Y-(U). (TMP-39)
B8+/-         CTION           StEP 3: COMPLETE THE FOLLOWING:             B8+/-         CTION           Sa: USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, PLACE ANCHORED POB         ON THE RIGHT SIDE OF -RPD - THRU THE EB SIDE OF -Y- (I) AS SHOWN ON         TMP-25.             oF           Site Site Site Site Site Site Si	)+/- ),	NOTE: ST	USING RSD 1101 DRAINAGE IN THE (TMP-24, TMP-37 * LEFT SIDE OF -S ON TMP-25. * WIDEN LEFT SIDE (TMP-25, TMP-30 * -YEB- FROM STA	02 (SHEETS 4 & 9 OF 14) TO COMPLETE PROPO GORE OF -RPA- AND -L3NB SEE LOCAL NOTE ) SPURA- FROM STA 11+75+/- TO -RPA- AS SHOWN OF -RPC- FROM STA 13+28+/- TO -Y-(I). ) 23+00+/- TO STA 23+50+/-	3.		STA 39+30+/- T	O STA 39+80+/ USE	
<pre>68+7- GCTION 3A: USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, PLACE ANCHORED POB ON THE RIGHT SIDE OF -RPD. THRU THE EB SIDE OF -Y-(I) AS SHOWN ON TMP-25.</pre> 38: USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, BEGIN WIDENING OF RIGHT SIDE AND THE COMPLETION OF WEDGING OF EXISTING -RPD. FROM STA 1841347.7 TO -Y-(I). CONSTRUCT TEMPORARY WEDGING ON THE EXISTING RAMP TO THE EXISTING INTERSECTION FROM PROPOSED -RPD. AS NEEDED TO MAINTAIN TRAFFIC. (TMP-25, TMP-30) BEHIND BARRIER BEGIN CONSTRUCTION OF EB -Y(I). FROM -RPD. TO -L. (TMP-25).30: USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, REMOVE ANCHORED POB ON THE RIGHT SIDE OF -RPD. AND THE EB SIDE OF -Y-(I).	ON	NOTE: RE	FER TO SHEETS TMP	25 FOR STEP 3 DETAILS.					
STA 18+13+/- TO -Y-(I). CONSTRUCT TEMPORARY WEDGING ON THE EXISTING RAMP TO THE EXISTING INTERSECTION FROM PROPOSED - RPD- AS NEEDED TO MAINTAIN TRAFFIC. (TWP-25, TWP-30) BEHIND BARRIER, COMPLETE UNDERCUT EXCAVATION ON THE RIGHT SIDE OF -RPD- AND ON EB -Y-(I) BETWEEN -RPD- AND -L 3C: BEHIND BARRIER BEGIN CONSTRUCTION OF EB -Y(I)- FROM -RPD- TO -L (TWP-25). 3D: USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, REMOVE ANCHORED PCB ON THE RIGHT SIDE OF -RPD- AND THE EB SIDE OF -Y-(I). IITS NATE ORK.	ICTION	3A:	USING RSD 1101.02 ON THE RIGHT SIDE TMP-25. USING RSD 1101.02	2 (SHEET 3 OF 14) AS NEEDED, PLACE ANCHORE E OF -RPD- THRU THE EB SIDE OF -Y-(I) AS S 2 (SHEET 3 OF 14) AS NEEDED, BEGIN WIDENIN	HOWN ON				
TO -L (TMP-25). 3D: USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, REMOVE ANCHORED PCB ON THE RIGHT SIDE OF -RPD- AND THE EB SIDE OF -Y-(I). HITS NATE ORK. WATE WORTH CAROLINA, P.C. DOCUMENT NOT CONSIDERED FINAL DOCUMENT NOT CONSIDERED FINAL DOCUMENT NOT CONSIDERED FINAL TRANSPORTATION MANAGEMENT PLAN PHASING	FROM		STA 18+13+/- TO EXISTING RAMP TO NEEDED TO MAINTAI BEHIND BARRIER, (	Y-(I). CONSTRUCT TEMPORARY WEDGING ON THE THE EXISTING INTERSECTION FROM PROPOSED - N TRAFFIC. (TMP-25, TMP-30)					
ANCHORED PCB ON THE RIGHT SIDE OF -RPD- AND THE EB SIDE OF -Y-(I). ATTEMATEVENT NATE NORK. ATTEMATEVENT NATE NORK. ATTEMATEVENT NATE NORK. ATTEMATEVENT NORK. ATT		3C:							
<b>HNTB</b> NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 <b>DOCUMENT NOT CONSIDERED FINAL</b>	NATE	3D:	USING RSD 1101.02 ANCHORED PCB ON T	(SHEET 3 OF 14) AS NEEDED, REMOVE	DATE:	12E84E9	SEAL 034437	NORTH CARD	MANAGEMENT PLAN
				HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554			ISIDERED FINAL	TRAFFIC	

PROJ. REFERENCE NO.	SHEET NO.
I-5714 & U-5114	TMP-3A



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	PHASE	II (CONTINUED)	(SEE TMP-22 FOR O
	NOTE: ST	EP 6 MAY BE COMPLETED CONCURRE	NTLY WITH STEPS 1 THRU 4
		FER TO SHEETS TMP-6 & TMP-7 FO	R STEP 6 DETAILS.
	COMPLETE	THE REQUIREMENTS OF PHASE II, ERMEDIATE CONTRACT TIME AND LI	
	6A:	CLOSE LEFT LANE TO TRAFFIC AN	F 14) ON SB I-77 EXPRESS LANES ND MOBILIZE EQUIPMENT TO THE ND HANG GIRDERS. SEE LOCAL NOT
	6B:	USING RSD 1101.03 (SHEET 4 OF TMP-24 AND TMP-31 ON THE MEDI NOTE 3.	F 14), PLACE PCB AS SHOWN ON AN SHOULDERS OF I-77. SEE LOCA
	6C:	BEHIND BARRIER, CONSTRUCT BEN	IT 1 AND TEMPORARY BENTS.
	NOTE: ST	EP 6E MAY BE COMPLETED BEFORE	STEP 6D.
		THE REQUIREMENTS OF PHASE II, (SEE INTERMEDIATE CONTRACT TIM	
	6D:	USING NIGHT TIME CLOSURES, SH AND LAW ENFORCEMENT AS NEEDED AND HANG GIRDERS OVER NB I-77	), CLOSE EXISTING NB I-77
		THE REQUIREMENTS OF PHASE II, (SEE INTERMEDIATE CONTRACT TIM	
	6E:	USING NIGHT TIME CLOSURES, SH AND LAW ENFORCEMENT AS NEEDED AND HANG GIRDERS OVER SB I-77	), CLOSE EXISTING SB I-77
	6F:	BEHIND BARRIER, HANG GIRDERS CONSTRUCTION, REMOVE TEMPORAF	
	6G:	USING RSD 1101.03 (SHEET 4 OF ON TMP-24 AND TMP-31 ON THE M LOCAL NOTE 3.	
		CLOSE LEFT LANE TO TRAFFIC AN	F 14) ON SB I-77 EXPRESS LANES ID DEMOBILIZE EQUIPMENT FROM 1 AND HANG GIRDERS. SEE LOCAL
	6H:	BEGIN CONSTRUCTION OF BRIDGE	DECK.
С D			
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tc_03_Ph			
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TO SHEETS TMP-39 THRU TMP-43 FOR STEP 1 DETAILS. ING RSD 1101.02 (SHEETS 1 & 3 OF 14) AND FLAGGERS AS NEEDED, ACE TEMPORARY PAVEMENT MARKINGS ON -L-, -Y-(U), -Y1-, -Y2-, D -Y7- INTO PHASE III PATTERN, ACTIVATE TEMPORARY SIGNAL AND IFT TRAFFIC TO NEW TEMPORARY PATTERN. OPEN -Y7- TO TRAFFIC. TO SHEETS TMP-39 THRU TMP-43 & TMP-46 THRU TMP-49 FOR ILS. ING LANE SHIFTS, NARROW LANES, AND FLAGGERS AS NEEDED, NSTRUCT THE MEDIANS ISLANDS ON -L- FROM STA 26+40+/- TO A 45+18+/- AND FROM STA 46+89+/- TO STA 58+99+/ (TMP-39, P-41 THRU TMP-43) ING RSD 1101.02 (SHEET 2 OF 14) AS NEEDED, WIDEN EB -Y-(U) D WEDGE EXISTING -Y-(U) FROM STA 11+50+/- TO -L (TMP-39 40) ING SHORT TERM ROAD CLOSURE AS NEEDED, ERECT OVERHEAD SIGN	(TMP-48) D
<pre>ING RSD 1101.02 (SHEETS 1 &amp; 3 OF 14) AND FLAGGERS AS NEEDED, ACE TEMPORARY PAVEMENT MARKINGS ON -L-, -Y-(U), -Y1-, -Y2-, D -Y7- INTO PHASE III PATTERN, ACTIVATE TEMPORARY SIGNAL AND IFT TRAFFIC TO NEW TEMPORARY PATTERN. OPEN -Y7- TO TRAFFIC. TO SHEETS TMP-39 THRU TMP-43 &amp; TMP-46 THRU TMP-49 FOR ILS. ING LANE SHIFTS, NARROW LANES, AND FLAGGERS AS NEEDED, NSTRUCT THE MEDIANS ISLANDS ON -L- FROM STA 26+40+/- TO A 45+18+/- AND FROM STA 46+89+/- TO STA 58+99+/ (TMP-39, P-41 THRU TMP-43) ING RSD 1101.02 (SHEET 2 OF 14) AS NEEDED, WIDEN EB -Y-(U) D WEDGE EXISTING -Y-(U) FROM STA 11+50+/- TO -L (TMP-39 40) ING SHORT TERM ROAD CLOSURE AS NEEDED, ERECT OVERHEAD SIGN</pre>	<ul> <li>NEEDED, CONSTRUCT MEDIAN ISLANDS ON -L- FROM STA 45+18+/- TO STA 45+86+/- AND FROM STA 46+41+/- TO STA 46+89+/ (TMP-48)</li> <li>USING SHORT TERM ROAD AND RAMP CLOSURES AS NEEDED, ERECT OVERHEAD SIGN STRUCTURES 'B' (TMP-38), 'C' (TMP-38), 'D' (TMP-39) AND 'G' (TMP-39), INCLUDING ASSOCIATED SIGNS AND COVER SIGNS UNTIL TEMPORARY TRAFFIC SHIFT FOR GILEAD RD CLOSURE.</li> <li>USING RSD 1101.02 (SHEETS 3 AND 4 OF 14), INSTALL DETOUR SIGNING AS SHOWN ON TMP-2B, TMP-51 THRU TMP-56 AND COVER.</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AND LAW ENFORCEMENT AS NEEDED, INSTALL TEMPORARY SIGNAL AT THE INTERSECTION OF -L-</li> </ul>
ILS. ING LANE SHIFTS, NARROW LANES, AND FLAGGERS AS NEEDED, NSTRUCT THE MEDIANS ISLANDS ON -L- FROM STA 26+40+/- TO A 45+18+/- AND FROM STA 46+89+/- TO STA 58+99+/ (TMP-39, P-41 THRU TMP-43) ING RSD 1101.02 (SHEET 2 OF 14) AS NEEDED, WIDEN EB -Y-(U) D WEDGE EXISTING -Y-(U) FROM STA 11+50+/- TO -L (TMP-39 40) ING SHORT TERM ROAD CLOSURE AS NEEDED, ERECT OVERHEAD SIGN	<pre>(TMP-39) AND 'G' (TMP-39), INCLUDING ASSOCIATED SIGNS AND COVER SIGNS UNTIL TEMPORARY TRAFFIC SHIFT FOR GILEAD RD CLOSURE. USING RSD 1101.02 (SHEETS 3 AND 4 OF 14), INSTALL DETOUR SIGNING AS SHOWN ON TMP-2B, TMP-51 THRU TMP-56 AND COVER. USING RSD 1101.02 (SHEET 3 OF 14) AND LAW ENFORCEMENT AS NEEDED, INSTALL TEMPORARY SIGNAL AT THE INTERSECTION OF -L-</pre>
NSTRUCT THE MEDIANS ISLANDS ON -L- FROM STA 26+40+/- TO A 45+18+/- AND FROM STA 46+89+/- TO STA 58+99+/ (TMP-39, P-41 THRU TMP-43) ING RSD 1101.02 (SHEET 2 OF 14) AS NEEDED, WIDEN EB -Y-(U) D WEDGE EXISTING -Y-(U) FROM STA 11+50+/- TO -L (TMP-39 40) ING SHORT TERM ROAD CLOSURE AS NEEDED, ERECT OVERHEAD SIGN	SIGNING AS SHOWN ON TMP-2B, TMP-51 THRU TMP-56 AND COVER. USING RSD 1101.02 (SHEET 3 OF 14) AND LAW ENFORCEMENT AS NEEDED, INSTALL TEMPORARY SIGNAL AT THE INTERSECTION OF -L-
D WEDGE EXISTING -Y-(U) FROM STA 11+50+/- TO -L (TMP-39 40) ING SHORT TERM ROAD CLOSURE AS NEEDED, ERECT OVERHEAD SIGN	NEEDED, INSTALL TEMPORARY SIGNAL AT THE INTERSECTION OF -L-
RUCTURES 'H' (TMP-39), 'I' (TMP-43) AND 'J'(TMP-42), INCLUDING SOCIATED SIGNS, AND COVER SIGNS UNTIL TRAFFIC SHIFT.	WORKING IN A CONTINUOUS MANNER, COMPLETE PHASE III STEP 5 THRU STEP 8 FROM MIDNIGHT FRIDAY TO 8:00 A.M. THE FOLLOWING SUNDAY. (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS.)
ING RSD 1101.02 (SHEET 3 OF 14), LAW ENFORCEMENT AND FLAGGEF	RS NOTE: REFER TO SHEETS TMP-51 THRU TMP-64 FOR STEP 5 THRU 7 DETAILS.
TEMPORARY SIGNAL AT THE INTERSECTION OF -L- AND -Y-(I)/-Y-(U (TMP-48) FINAL SIGNAL AT THE INTERSECTION OF -L- AND -Y1 (TMP-46)	U). STEP 5: USING RSD 1101.02 (SHEET 3 OF 14) AND LAW ENFORCEMENT AS NEEDED, COMPLETE THE FOLLOWING:
FINAL SIGNALS AT -L- STA 40+00+/ (TMP-47) FINAL SIGNAL AT -L- 54+00+/ (TMP-49)	5A: PLACE TEMPORARY PAVEMENT MARKINGS ON -Y-(U) AND -Y-(I) AS SHOWN IN PHASE III DETOUR.
TO SHEETS TMP-46 THRU 50 FOR STEP 3 DETAILS. ING RSD 1101.02 (SHEETS 1 & 3 OF 14), FLAGGERS AND LAW FORCEMENT AS NEEDED, PLACE TEMPORARY PAVEMENT MARKINGS ON -, -Y-(I) AND -Y-(U) IN PHASE III INTERIM PATTERN, ACTIVATE NAL SIGNALS AT U-TURNS, AND TEMPORARY SIGNAL AT THE TERSECTION OF -L-, -Y-(I) AND -Y-(U) AND SHIFT TRAFFIC INTO W TEMPORARY PATTERN. UNCOVER SIGNS ON SIGN STRUCTURES 'H', 'I D 'J' AND ANY ASSOCIATED ROUTE SIGNS. NOTE: LEFT TURN MOVEMEN THE INTERSECTION OF -L- AND -Y-(I)/-Y-(U) ARE TO BE IMINATED IN THIS STEP AND FINAL U-TURN SIGNALS ACTIVE. (TMP-	5C: CLOSE BRIDGE TO TRAFFIC. COORDINATE WITH THE ENGINEER TO MAINTAIN EMERGENCY ACCESS ACROSS BRIDGE TO THE MEDICAL CENTER THROUGOUT THE ROAD CLOSURE. USE DRUMS AND AUTHORIZED VEHICLES ONLY (R5-11) PORTABLE SIGNS TO DESIGNATE A CLEAR PATH,
RU TMP-50) TO SHEETS TMP-38, TMP-39, TMP-44, TMP-45 & TMP-51 THRU STEP 4 DETAILS.	PAVEMENT MARKING OPERATIONS. STEP 6: PLACE REMAINING PHASE IV PAVEMENT MARKINGS ON -Y-(U) (TMP-61A THRU TMP-62). USE DRUMS TO GUIDE DETOURED TRAFFIC IN
ING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLETE NSTRUCTION OF THE FOLLOWING: WIDEN LEFT SIDE OF -RPC- FROM STA 13+28+/- TO STA 24+67+/ (TMP-38 & TMP-44) WIDEN RIGHT SIDE OF -RPB- FROM -SPURB- TO STA 21+50+/ (TMP-38 & TMP-45) -SPURB- FROM -YEB- TO -RPB- AND BEGIN WEDGING ON -YEB- TO THE TIE OF EXISTING -RPB- LEFT TUBN LANE. (TMP-38)	OUTER LANES TO LEFT TURN LANES ON -Y-(U) TO MAINTAIN ACCESS TO DRIVEWAYS AS SHOWN ON TMP-54A. STEP 7: AWAY FROM TRAFFIC, COMPLETE WEDGING ON -YEB- AND -YWB- AND PLACE PAVEMENT MARKINGS ON -Y-(I), RAMPS AND SPURS INTO PHASE IV PATTERN. (TMP-52, TMP-59 THRU TMP-64) PLACE TEMPORARY PORTABLE CONCRETE BARRIER ON THE MEDIAN OF -YEB- AND -YWB- AS SHOWN ON TMP-60 & TMP-61.
WIDEN LEFT SIDE OF -RPA- FROM -SPURA- TO STA 23+62+/ (TMP-39 & TMP-45)	NOTE: REFER TO SHEETS TMP-59 THRU TMP-64 FOR STEP 8 DETAILS.
LEFT SIDE OF -SPURA- FROM STA 11+75+/- TO -RPA- (TMP-39)	STEP 8: COMPLETE THE FOLLOWING:
COMPLETION OF BRIDGE DECK AND APPROACH SLABS. (TMP-38 & TMP-39) EB -Y-(I) FROM -RPD- TO -L- INCLUDING WEDGING AND TEMPORARY WEDGING ON -Y-(I) AS NEEDED TO MAINTAIN EXISTING TRAFFIC ON -Y(I) (TMP-39)	8A: USING SHORT TERM ROAD CLOSURES AND LAW ENFORCEMENT AS NECESSARY, OPEN BRIDGE TO TRAFFIC, PLACE REMAINING PHASE IV PAVEMENT MARKINGS AT RAMP TIE-INS, AND SHIFT TRAFFIC INTO NEW PHASE IV PATTERN.
INCLUDING -YWB- FROM STA 28+60+/- TO STA 30+13+/- AS SHOWN ON TMP-39. CONSTRUCT WEDGING AND TEMPORARY WEDGING ON -Y-(I) AS NEEDED TO MAINTAIN TRAFFIC ON EXISTING -Y-(I). -SPURC- FROM STA 11+70+/- TO -Y-(I), INCLUDING -YWB- FROM STA 23+35+/- TO STA 25+07+/ (TMP-38) RIGHT SIDE OF -RPD- AND WEDGING OF EXISTING RAMP FROM STA 18+13+/- TO -Y-(I). PROVIDE TEMPORARY WEDGING OF EXISTING RAMP FROM -RPD- TO THE EXISTING INTERSECTION OF -RPD- AND -Y-(I) AS NEEDED TO MAINTAIN EXISTING	BE: COVER/REMOVE DETOUR SIGNS. PPROVED Lovi D. Stonchko, P.E. ATTE: SEAL S
	NEEDED, INSTALL THE FOLLOWING SIGNALS (SEE SIGNAL PLANS): TEMPORARY SIGNAL AT THE INTERSECTION OF -L- AND -Y-(I)/-Y-(I TMP-48) INAL SIGNALS AT -L- STA 40+00+/ (TMP-47) FINAL SIGNALS AT U-TURNS, AND TEMPORARY PAVEMENT MARKINGS ON , -Y-(I) AND -Y-(U) IN PHASE III INTERIM PATTERN, ACTIVATE HAL SIGNALS AT U-TURNS, AND TEMPORARY SIGNAL AT THE TERSECTION OF -L-, -Y-(I) AND -Y-(U) AND SHIFT TRAFFIC INTO W TEMPORARY PATTERN. UNCOVER SIGNS ON SIGN STRUCTURES 'H', 'I ) 'J' AND ANY ASSOCIATED ROUTE SIGNS. NOTE: LEFT TURN MOVEMENT THE INTERSECTION OF -L- AND -Y-(I)/-Y-(U) ARE TO BE MINATED IN THIS STEP AND FINAL U-TURN SIGNALS ACTIVE. (TMP W TMP-50) TO SHEETS TMP-38, TMP-39, TMP-44, TMP-45 & TMP-51 THRU STEP 4 DETAILS. ING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLETE ISTRUCTION OF THE FOLLOWING: IIDEN LEFT SIDE OF -RPC- FROM STA 13+28+/- TO STA 24+67+/ TMP-38 & TMP-44) IDEN LEFT SIDE OF -RPB- FROM -SPURB- TO STA 21+50+/ TMP-38 & TMP-45) SPURB- FROM -YEB- TO -RPB- AND BEGIN WEDGING ON -YEB- TO THE TIE OF EXISTING -RPB- LEFT TURN LANE. (TMP-38) WIDEN LEFT SIDE OF -RPA- FROM STA 11+75+/- INCLUDING SPURB- FROM STA 23+00+/- TO STA 31+00+/- INCLUDING SPURB- FROM STA 23+00+/- TO STA 31+00+/- INCLUDING EMPORARY WEDGING ON -Y-(I) AS NEEDED TO MAINTAIN XISTING TRAFFIC ON -Y(I)- (TMP-39) EFT SIDE OF -SPURA- FROM STA 11+55+/- TO -Y-(I) SPURA- FROM STA 23+00+/- TO STA 31+00+/- INCLUDING EMPORARY WEDGING ON -Y-(I) AS NEEDED TO MAINTAIN TRAFFIC ON XISTING TRAFFIC ON -Y(I) (TMP-39) EFT SIDE OF -SPURA- FROM STA 24+07+/ (TMP-38) HOWN ON TMP-39. CONSTRUCT WEDGING AND TEMPORARY WEDGING ON -Y-(I) AS NEEDED TO MAINTAIN TRAFFIC ON XISTING TRA

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



<ul> <li>-Y-(U) AND -Y-(I)</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, BEGIN CONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTER OF -L- AND -Y-(I)/-Y-(U).</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, BEGIN ERECTION OF REMAINING OVE SIGN STRUCTURES AND ASSOCIATED SIGNS.</li> <li>STEP 2: CONSTRUCT THE FOLLOWING</li> <li>2A: REMOVE THE EXISTING BRIDGE RAIL FROM THE NORTH SIDE EXISTING BRIDGE (TMP-60 &amp; TMP-61). SEE LOCAL NOTE 3 WORK IS TO IMPACT AN EXISTING TRAVEL LANES, USE NIG ROAD CLOSURES AND THE FOLLOWING SHEETS:</li> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE ALL NB I-77 EX AND NB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE ANL SB I-77 EX AND SB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2H THRU TMP-2N TO CLOSE ANL SB I-77 EX AND SB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE NB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* RSD 1101.02 (SHEET 4 OF 14) FOR A SINGLE LANE CLO</li> <li>2B: BEHIND BARRIER AND USING RSD 1101 (SHEET 3 OF 14) A WHEN WORKING DIRECTLY BEHIND BARRIER, CONSTRUCT THE * PERMANENT BARRIER ON -YEB- AND -YWB</li> <li>* CONSTRUCT PROPOSED BRIDGE RAIL ON -YWB- AS SHOWN ON TMP-60 AND TMP-61.</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE CONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTER OF -L- AND -Y-(I)/-Y-(U).</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T</li> </ul>		
<ul> <li>CONSTRUCTION OF THÉ PROPOSED ISLÂNDS IN THE MEDIAN -Y-(U) AND -Y-(I)</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, BEGIN CONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTEF OF -L- AND -Y-(I)/-Y-(U).</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, BEGIN ERECTION OF REMAINING OVE SIGN STRUCTURES AND ASSOCIATED SIGNS.</li> <li>STEP 2: CONSTRUCT THE FOLLOWING</li> <li>2A: REMOVE THE EXISTING BRIDGE RAIL FROM THE NORTH SIDE EXISTING BRIDGE (TMP-60 &amp; TMP-61). SEE LOCAL NOTE 3 WORK IS TO IMPACT AN EXISTING TRAVEL LANES, USE NIG ROAD CLOSURES AND THE FOLLOWING SHEETS:</li> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE ALL NB I-77 EX AND NB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE AND SB I-77 EX AND NB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2H THRU TMP-2N TO CLOSE ANL SB I-77 EX AND SB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE NB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2C THE MONDITING DARRIER, CONSTRUCT THE * PERMANENT BARTIER ON -YEB- AND -Y</li></ul>		
CONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTER OF -L- AND -Y-(I)/-Y-(U). USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, BEGIN ERECTION OF REMAINING OVE SIGN STRUCTURES AND ASSOCIATED SIGNS. STEP 2: CONSTRUCT THE FOLLOWING 2A: REMOVE THE EXISTING BRIDGE RAIL FROM THE NORTH SIDE EXISTING BRIDGE (TMP-60 & TMP-61). SEE LOCAL NOTE 3 WORK IS TO IMPACT AN EXISTING TRAVEL LANES, USE NIG ROAD CLOSURES AND THE FOLLOWING SHEETS: * SHEETS TMP-2D THRU TMP-2H TO CLOSE ALL NB I-77 EX AND NB I-77 GENERAL PURPOSE LANES AS NEEDED. * SHEETS TMP-2D THRU TMP-2H TO CLOSE ONLY THE NB I- LANES AS NEEDED. * SHEETS TMP-2H THRU TMP-2N TO CLOSE ALL SB I-77 EX AND SB I-77 GENERAL PURPOSE LANES AS NEEDED. * SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED. * SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED. * SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED. * SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED. * RSD 1101.02 (SHEET 4 OF 14) FOR A SINGLE LANE CLO 2B: BEHIND BARRIER AND USING RSD 1101 (SHEET 3 OF 14) A WHEN WORKING DIRECTLY BEHIND BARRIER, CONSTRUCT THE * PERMANENT BARRIER ON -YEB- AND -YWB- AS SHOWN ON TMP-60 AND TMP-61. USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, COMPLETE ERECTION OF REMAINING	STEF T.	CONSTRUCTION OF THE PROPOSED ISLANDS IN THE MEDIAN
CLOSURES AS NEEDED, BEGIN ERECTION OF REMAINING OVE SIGN STRUCTURES AND ASSOCIATED SIGNS. STEP 2: CONSTRUCT THE FOLLOWING 2A: REMOVE THE EXISTING BRIDGE RAIL FROM THE NORTH SIDE EXISTING BRIDGE (TMP-60 & TMP-61). SEE LOCAL NOTE 3 WORK IS TO IMPACT AN EXISTING TRAVEL LANES, USE NIG ROAD CLOSURES AND THE FOLLOWING SHEETS: * SHEETS TMP-2D THRU TMP-2H TO CLOSE ALL NB I-77 EX AND NB I-77 GENERAL PURPOSE LANES AS NEEDED. * SHEETS TMP-2D THRU TMP-2H TO CLOSE ONLY THE NB I- LANES AS NEEDED. * SHEETS TMP-2H THRU TMP-2N TO CLOSE ALL SB I-77 EX AND SB I-77 GENERAL PURPOSE LANES AS NEEDED. * SHEETS TMP-2H THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED. * SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED. * RSD 1101.02 (SHEET 4 OF 14) FOR A SINGLE LANE CLO 2B: BEHIND BARRIER AND USING RSD 1101 (SHEET 3 OF 14) A WHEN WORKING DIRECTLY BEHIND BARRIER, CONSTRUCT THE * PERMANENT BARRIER ON -YEB- AND -YWB- * CONSTRUCT PROPOSED BRIDGE RAIL ON -YWB- AS SHOWN ON TMP-60 AND TMP-61. USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE CONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTER OF -L- AND -Y-(I)/-Y-(U). USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, COMPLETE ERECTION OF REMAINING		CONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTER
<ul> <li>2A: REMOVE THE EXISTING BRIDGE RAIL FROM THE NORTH SIDE EXISTING BRIDGE (TMP-60 &amp; TMP-61). SEE LOCAL NOTE 3 WORK IS TO IMPACT AN EXISTING TRAVEL LANES, USE NIG ROAD CLOSURES AND THE FOLLOWING SHEETS:</li> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE ALL NB I-77 EX AND NB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2D THRU TMP-2N TO CLOSE ONLY THE NB I-LANES AS NEEDED.</li> <li>* SHEETS TMP-2H THRU TMP-2N TO CLOSE ALL SB I-77 EX AND SB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I-LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I-LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I-LANES AS NEEDED.</li> <li>* RSD 1101.02 (SHEET 4 OF 14) FOR A SINGLE LANE CLO</li> <li>2B: BEHIND BARRIER AND USING RSD 1101 (SHEET 3 OF 14) A WHEN WORKING DIRECTLY BEHIND BARRIER, CONSTRUCT THE</li> <li>* PERMANENT BARRIER ON -YEB- AND -YWB</li> <li>* CONSTRUCT PROPOSED BRIDGE RAIL ON -YWB- AS SHOWN ON TMP-60 AND TMP-61.</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE ONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTER OF -L- AND -Y-(I)/-Y-(U).</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, COMPLETE ERECTION OF REMAINING</li> </ul>		USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, BEGIN ERECTION OF REMAINING OVE SIGN STRUCTURES AND ASSOCIATED SIGNS.
<ul> <li>EXISTING BRIDGE (TMP-60 &amp; TMP-61). SEE LOCAL NOTE 3 WORK IS TO IMPACT AN EXISTING TRAVEL LANES, USE NIG ROAD CLOSURES AND THE FOLLOWING SHEETS:</li> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE ALL NB I-77 EX AND NB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE ONLY THE NB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2H THRU TMP-2N TO CLOSE ALL SB I-77 EX AND SB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2H THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> <li>* RSD 1101.02 (SHEET 4 OF 14) FOR A SINGLE LANE CLO</li> <li>2B: BEHIND BARRIER AND USING RSD 1101 (SHEET 3 OF 14) A WHEN WORKING DIRECTLY BEHIND BARRIER, CONSTRUCT THE</li> <li>* PERMANENT BARRIER ON -YEB- AND -YWB</li> <li>* CONSTRUCT PROPOSED BRIDGE RAIL ON -YWB- AS SHOWN ON TMP-60 AND TMP-61.</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE CONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTER OF -L- AND -Y-(I)/-Y-(U).</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, COMPLETE ERECTION OF REMAINING</li> </ul>	STEP 2:	CONSTRUCT THE FOLLOWING
<ul> <li>2B: BEHIND BARRIER AND USING RSD 1101 (SHEET 3 OF 14) A WHEN WORKING DIRECTLY BEHIND BARRIER, CONSTRUCT THE * PERMANENT BARRIER ON -YEB- AND -YWB</li> <li>* CONSTRUCT PROPOSED BRIDGE RAIL ON -YWB- AS SHOWN ON TMP-60 AND TMP-61.</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE CONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTER OF -L- AND -Y-(I)/-Y-(U).</li> <li>USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, COMPLETE ERECTION OF REMAINING</li> </ul>	2A:	<ul> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE ALL NB I-77 EX AND NB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE ONLY THE NB I- LANES AS NEEDED.</li> <li>* SHEETS TMP-2H THRU TMP-2N TO CLOSE ALL SB I-77 EX AND SB I-77 GENERAL PURPOSE LANES AS NEEDED.</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE ONLY THE SB I- LANES AS NEEDED.</li> </ul>
PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE CONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTER OF -L- AND -Y-(I)/-Y-(U). USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, COMPLETE ERECTION OF REMAINING	2B:	BEHIND BARRIER AND USING RSD 1101 (SHEET 3 OF 14) A WHEN WORKING DIRECTLY BEHIND BARRIER, CONSTRUCT THE * PERMANENT BARRIER ON -YEB- AND -YWB * CONSTRUCT PROPOSED BRIDGE RAIL ON -YWB- AS SHOWN
CONSTRUCTION OF THÈ MONOLITHIC ISLANDS AT THE INTER OF -L- AND -Y-(I)/-Y-(U). USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, COMPLETE ERECTION OF REMAINING		USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE PROPOSED MEDIAN ISLANDS IN THE MEDIAN OF -Y-(U) AND
CLOSURES AS NEEDED, COMPLETE ERECTION OF REMAINING		USING RSD 1101.02 (SHEET 3 OF 14) AS NEEDED, COMPLE CONSTRUCTION OF THE MONOLITHIC ISLANDS AT THE INTER OF -L- AND -Y-(I)/-Y-(U).
		USING RSD 1101.02 (SHEET 3 OF 14) AND USING SHORT T CLOSURES AS NEEDED, COMPLETE ERECTION OF REMAINING SIGN STRUCTURES AND ASSOCIATED SIGNS.

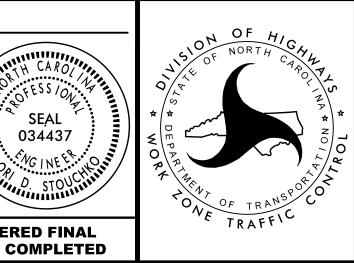
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### PHASING

OR OVERVIEW)	PHASE	V	(SEE TMP-67 FOR OVERVIEW)
	NOTE: RE	FER TO SHEETS TMP-68 AND TMP-69 FOR STE	P 2 DETAILS.
	STEP 1:	USING RSD 1101.02 (SHEET 3 OF 14) AND REMOVE TEMPORARY PCB FROM -YEB- BETWEE	
TION		USING RSD 1101.02 (SHEET 3 OF 14) AND REMOVE TEMPORARY PCB FROM THE INSIDE S TEMPORARY PAVEMENT MARKINGS ON -YWB- A PATTERN	HOULDER OF -YWB-, PLACE
ROAD AD	STEP 2:	USING RSD 1101.02 (SHEET 3 OF 14) AND RESET TEMPORARY PCB TO THE OUTSIDE SHO TMP-68 AND TMP-69.	
THE HERE TIME	STEP 3:	USING RSD 1101.02 (SHEETS 1 & 3 OF 14) CONSTRUCTION OF CURB AND GUTTER ON -RF -SPURC-, -RPA-, -SPURA-, -SPURD-, AND AND TMP-69.	B-, -YEB-, -YWB-, -RPC-,
SS LANES EXPRESS SS LANES EXPRESS E. ECESSARY LLOWING:	STEP 4:	<ul> <li>REMOVE THE EXISTING BRIDGE RAIL FROM TEXISTING BRIDGE (TMP-68 &amp; TMP-69). SEE IS TO OCCUR OVER THE EXISTING TRAVEL LENGINEER AND USE NIGHT TIME ROAD CLOSE</li> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE A AND NB I-77 GENERAL PURPOSE LANES AS</li> <li>* SHEETS TMP-2D THRU TMP-2H TO CLOSE A ANES AS NEEDED.</li> <li>* SHEETS TMP-2H THRU TMP-2N TO CLOSE A AND SB I-77 GENERAL PURPOSE LANES AS</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE A AND SB I-77 GENERAL PURPOSE LANES AS</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE A AND SB I-77 GENERAL PURPOSE LANES AS</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE A AND SB I-77 GENERAL PURPOSE LANES AS</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE A AND SB I-77 GENERAL PURPOSE LANES AS</li> <li>* SHEETS TMP-2K THRU TMP-2N TO CLOSE A AND SB I-77 GENERAL PURPOSE LANES AS</li> </ul>	LOCAL NOTE 3. WHERE WORK ANES, COORDINATE WITH THE RES AND THE FOLLOWING: LL NB I-77 EXPRESS LANES NEEDED. NLY THE NB I-77 EXPRESS LL SB I-77 EXPRESS LANES NEEDED. NLY THE SB I-77 EXPRESS
THE -(I). THE TION ROAD RHEAD	STEP 5:	<pre>BEHIND BARRIER, CONSTRUCT PROPOSED OUT USING RSD 1101.02 (SHEETS 1 &amp; 3 OF 14) CONSTRUCTION OF CURB AND GUTTER ON -RF -SPURC-, -RPA-, -SPURA-, -SPURD-, AND AND TMP-69. USING RSD 1101.02 (SHEET 3 OF 14) AND INSTALL FINAL SIGNALS AT THE FOLLOWING * -Y-(U) AND -Y10-/-Y11- * -YEB-, -YWB-, -RPB- AND -RPC- * -YEB-, -YWB-, -RPA- AND -RPD- * -Y-(U)/-Y-(I) AND -L- * -Y-(U) AND COMMERCE CENTRE DR</pre>	AS NEEDED, COMPLETE B-, -YEB-, -YWB-, -RPC-, -RPD- AS SHOWN ON TMP-68 LAW ENFORCEMENT AS NEEDED,
	STEP 6:	USING RSD 1101.02 (SHEET 3 OF 14) AND REMOVE TEMPORARY PCB FROM -YWB-, CONST COURSE, PLACE FINAL PAVEMENT MARKINGS, AND SHIFT TRAFFIC INTO FINAL PATTERN. USING TMP-2I THRU TMP-20 AS APPLICABLE EXPRESS LANES ONLY, CLOSE SB I-77 EXPR RESURFACE AND REPLACE PAVEMENT MARKING SB I-77 EXPRESS LANES AS NEEDED OR AS RESULT OF HAULING CONSTRUCTION. SEE LC	RUCT FINAL LAYER OF SURFACE ACTIVATE FINAL SIGNALS FOR CLOSURE OF SB I-77 ESS LANES AND REPAIR, S IN EXISTING PATTERN ON DIRECTED BY ENGINEER AS A
	STEP 7:	REMOVE TEMPORARY TRAFFIC CONTROL DEVIC	ES.

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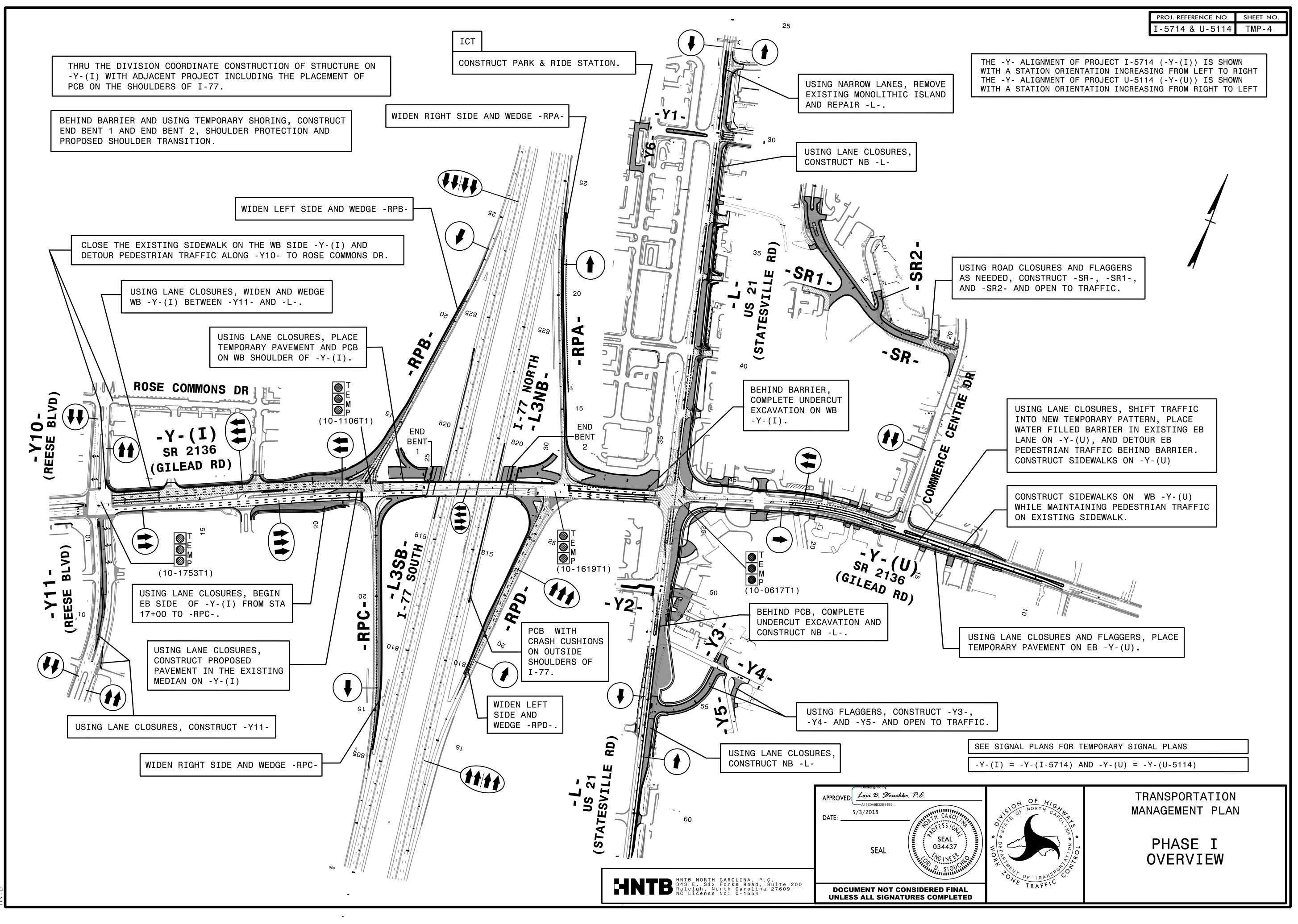
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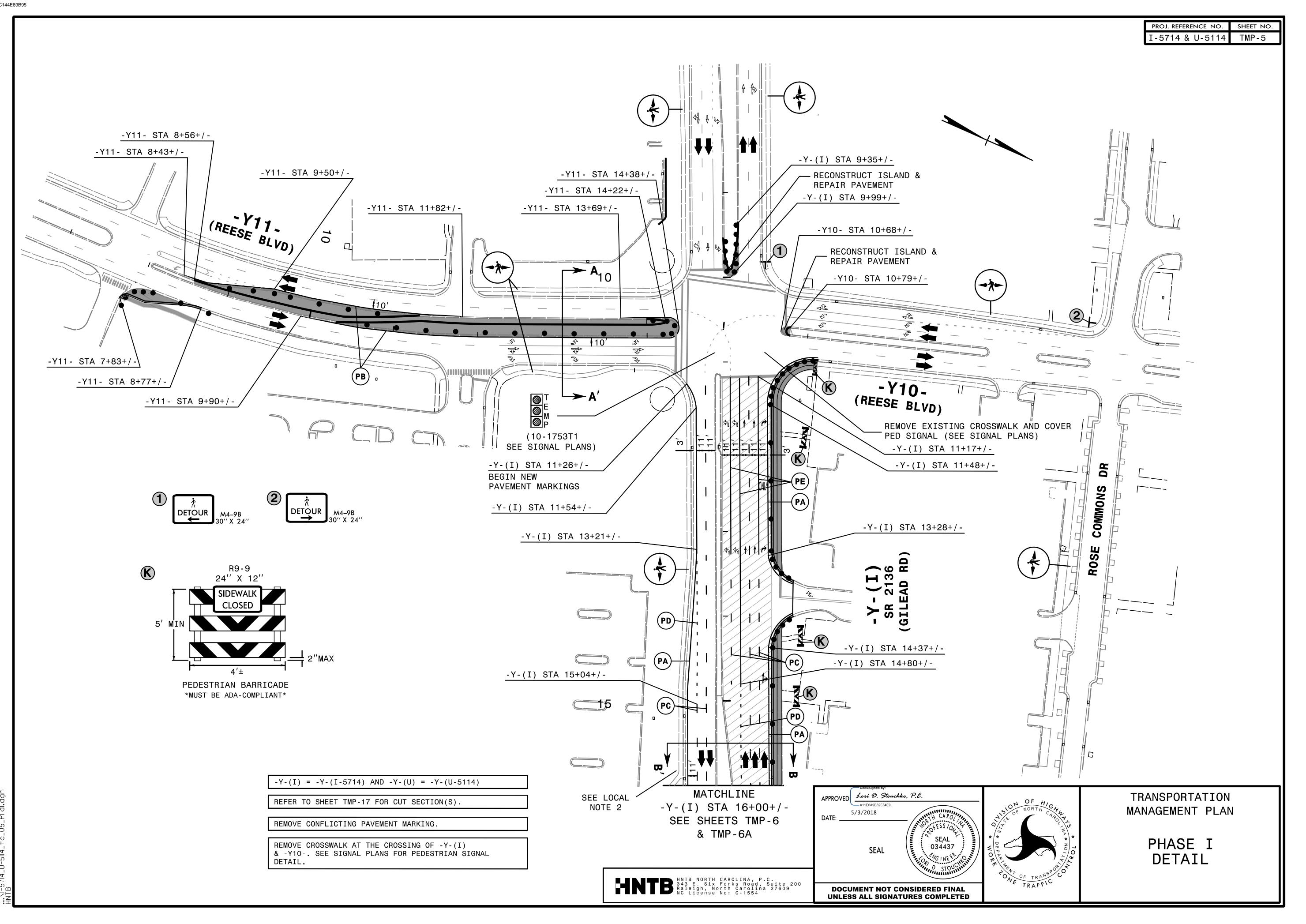
### PHASING

TRANSPORTATION MANAGEMENT PLAN

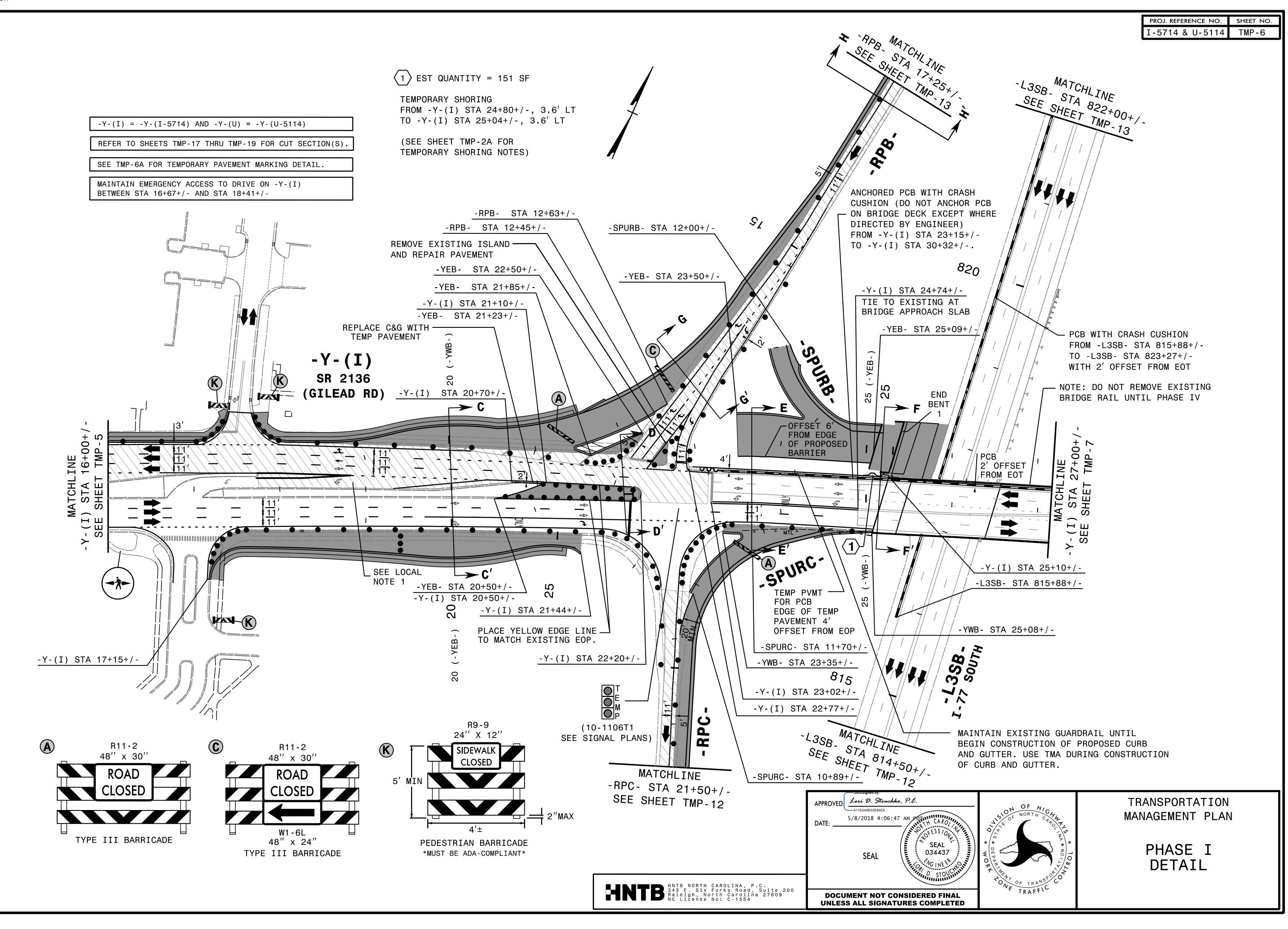
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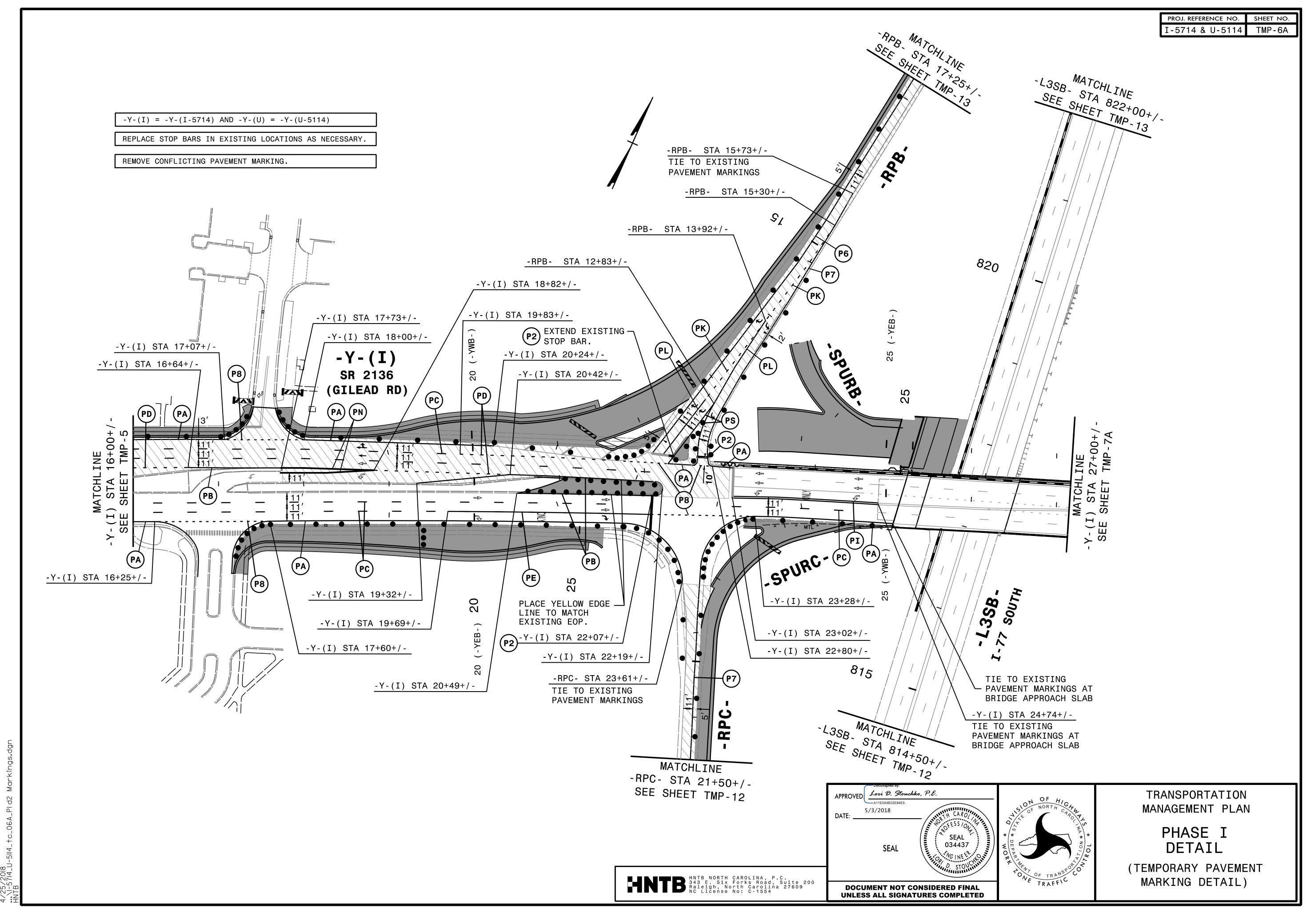
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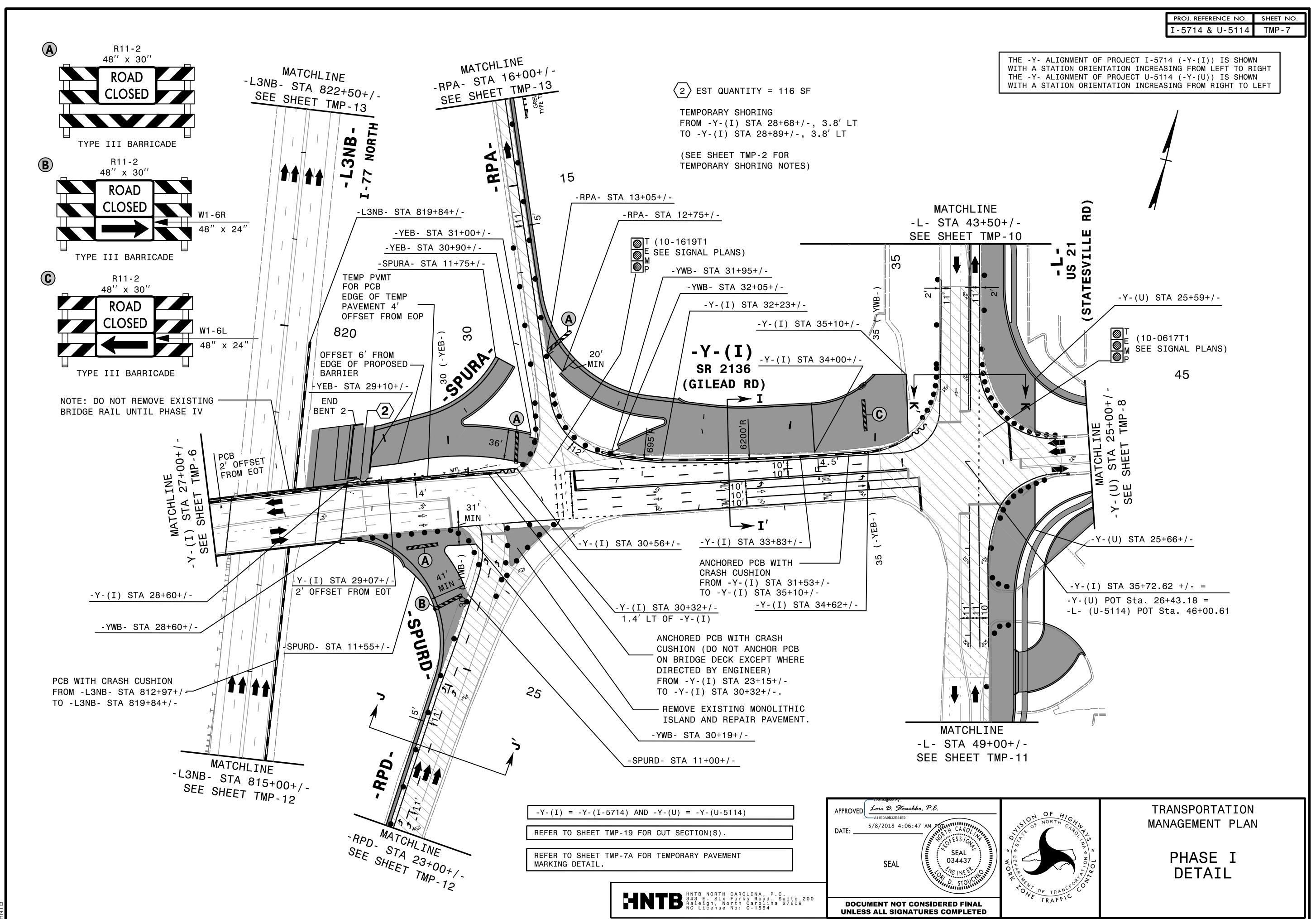


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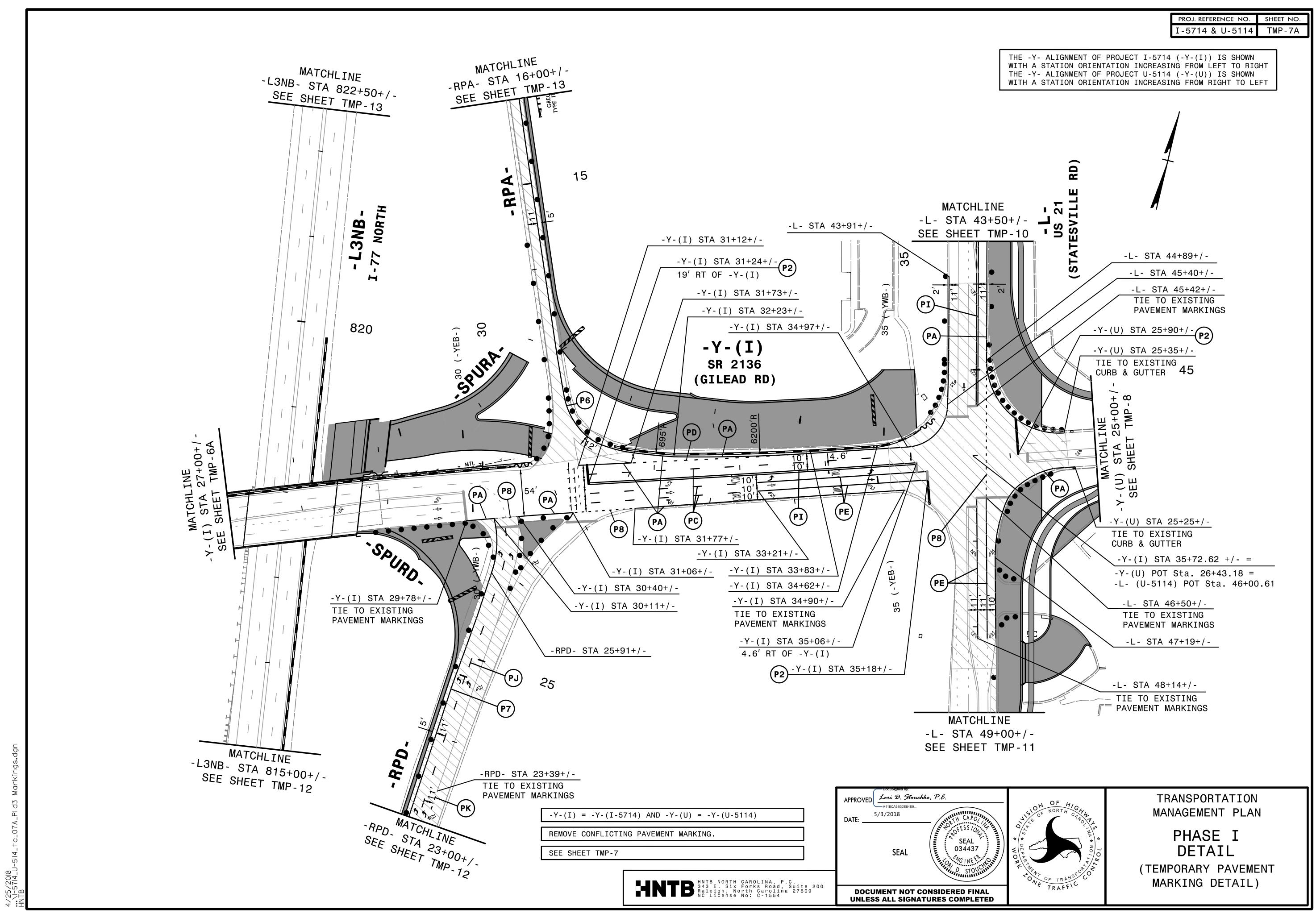


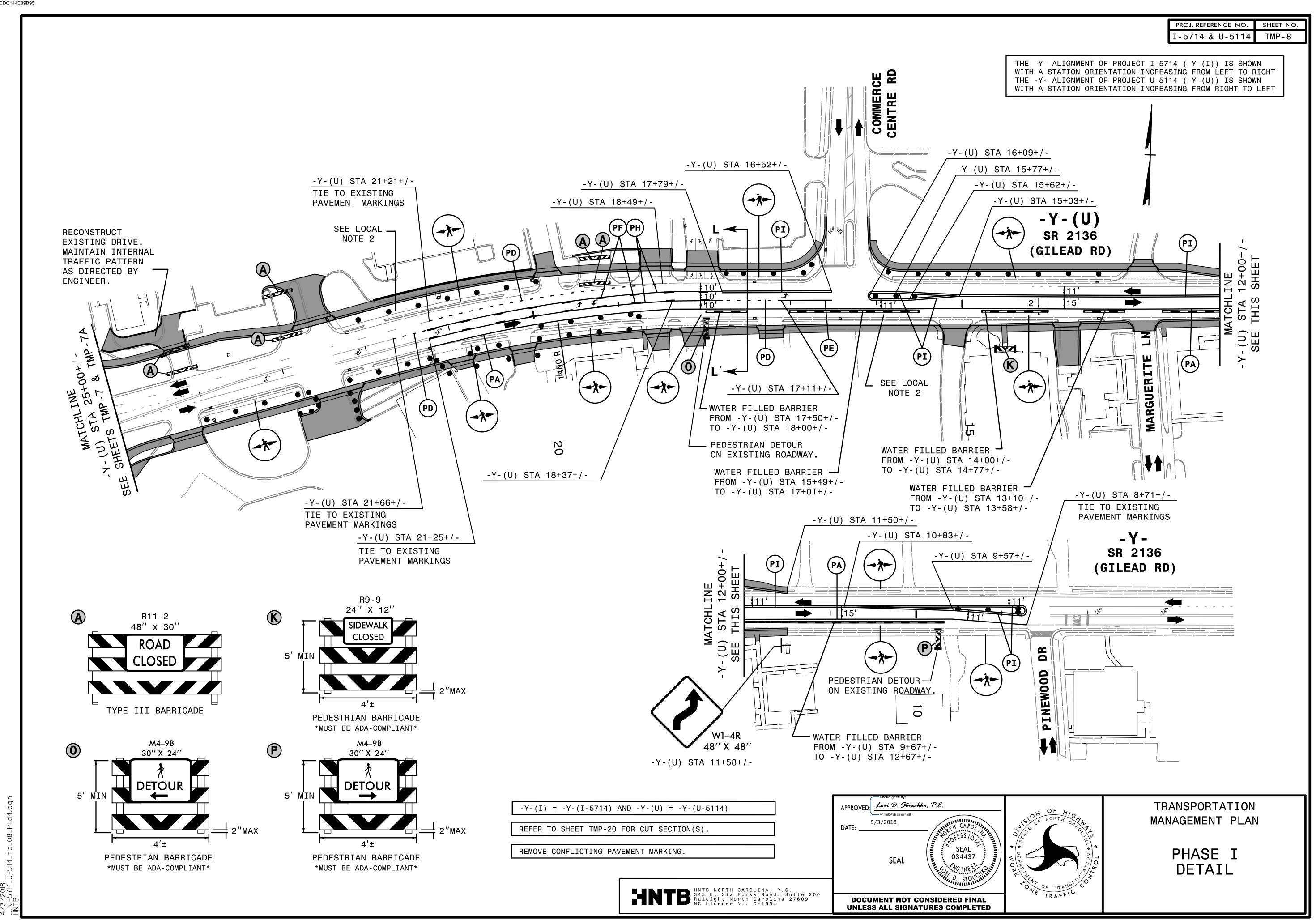
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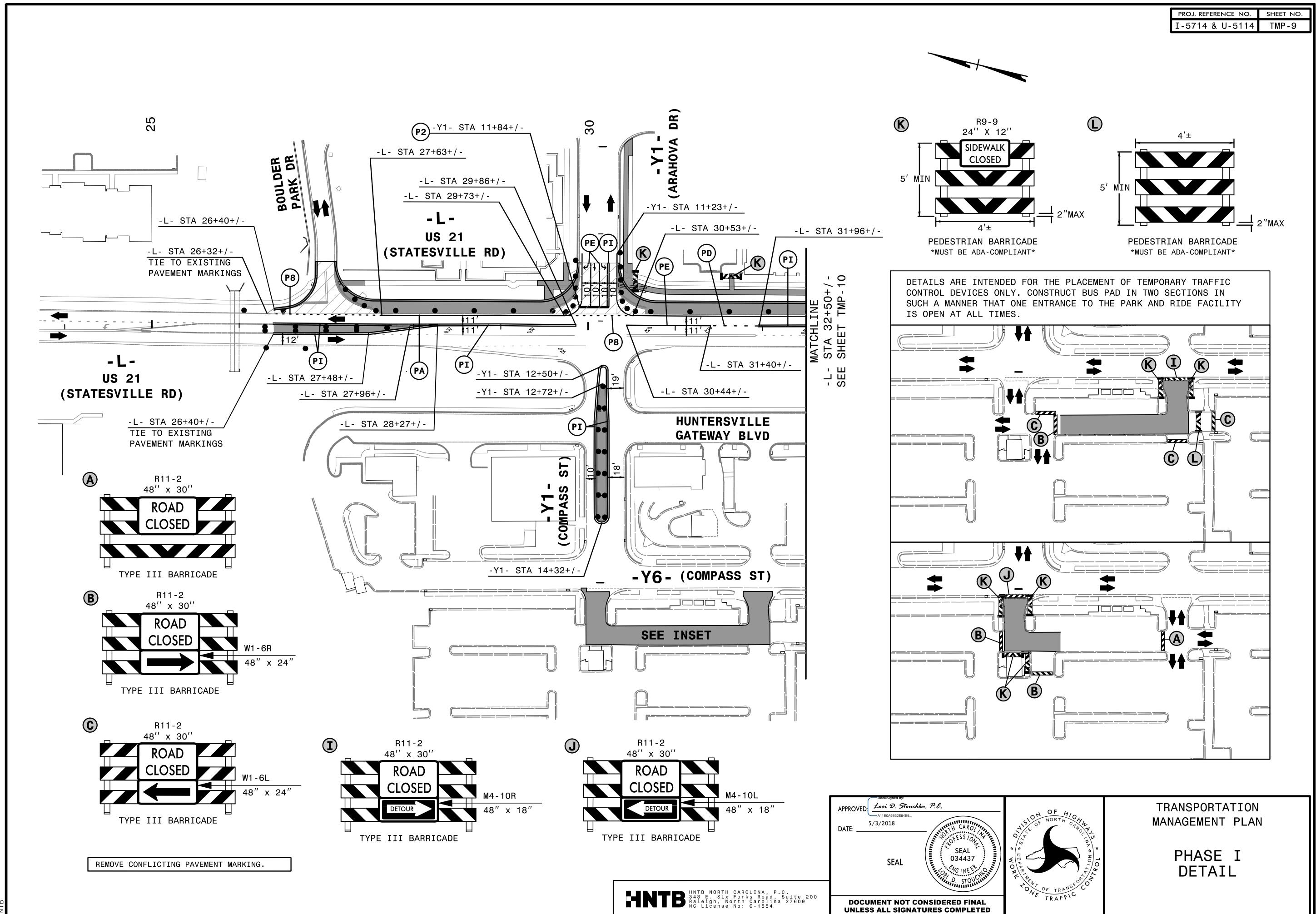




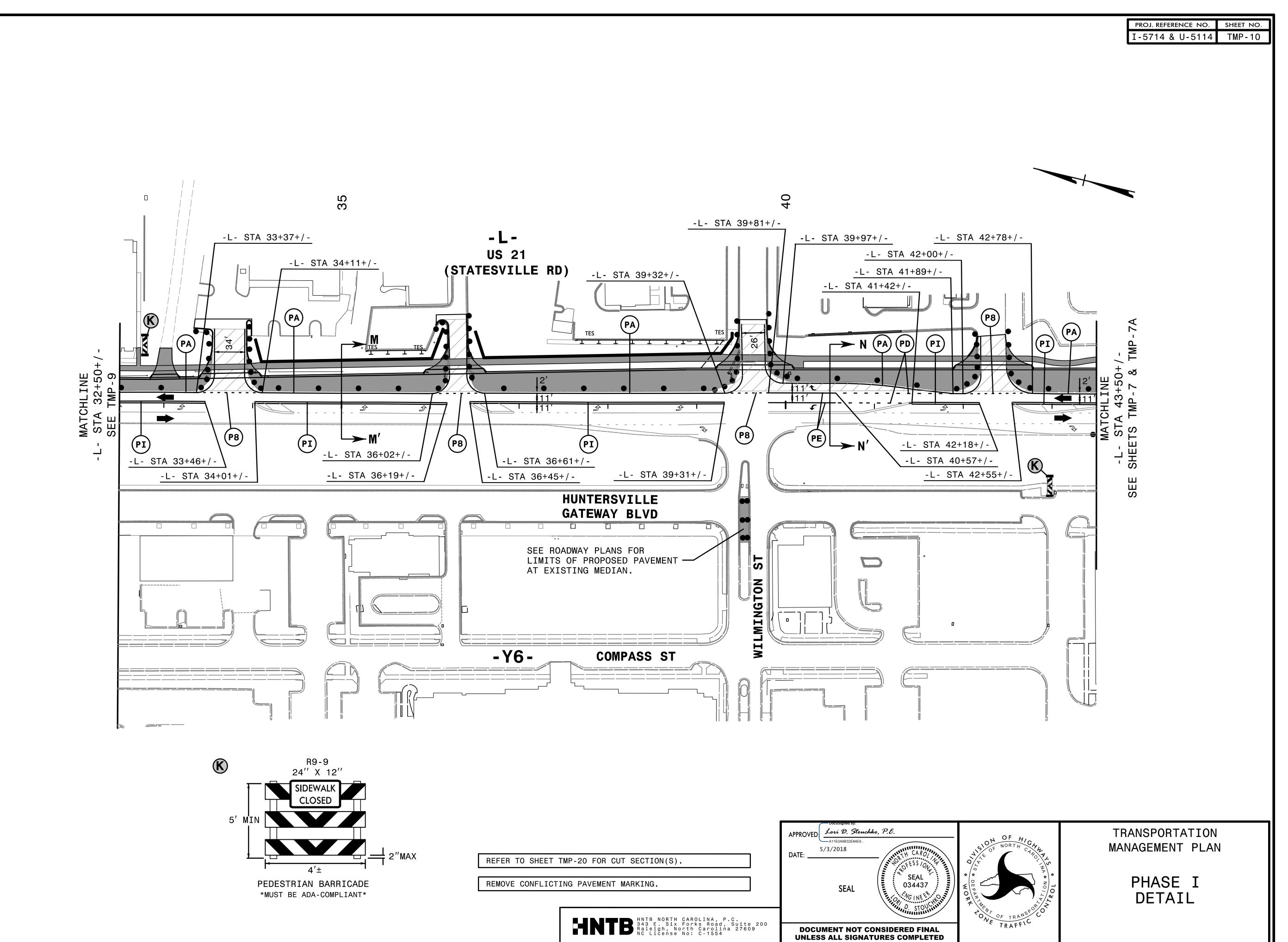
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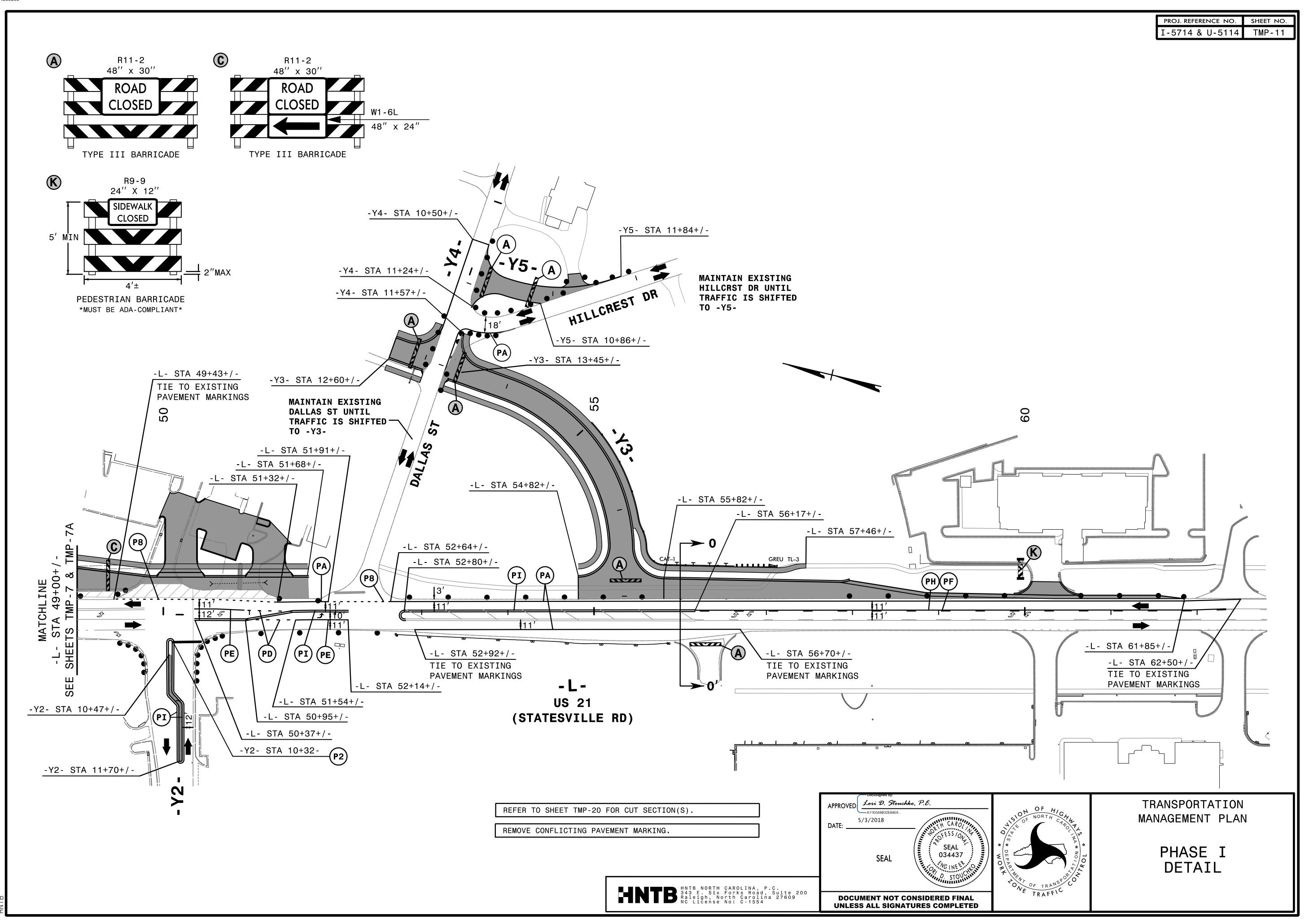




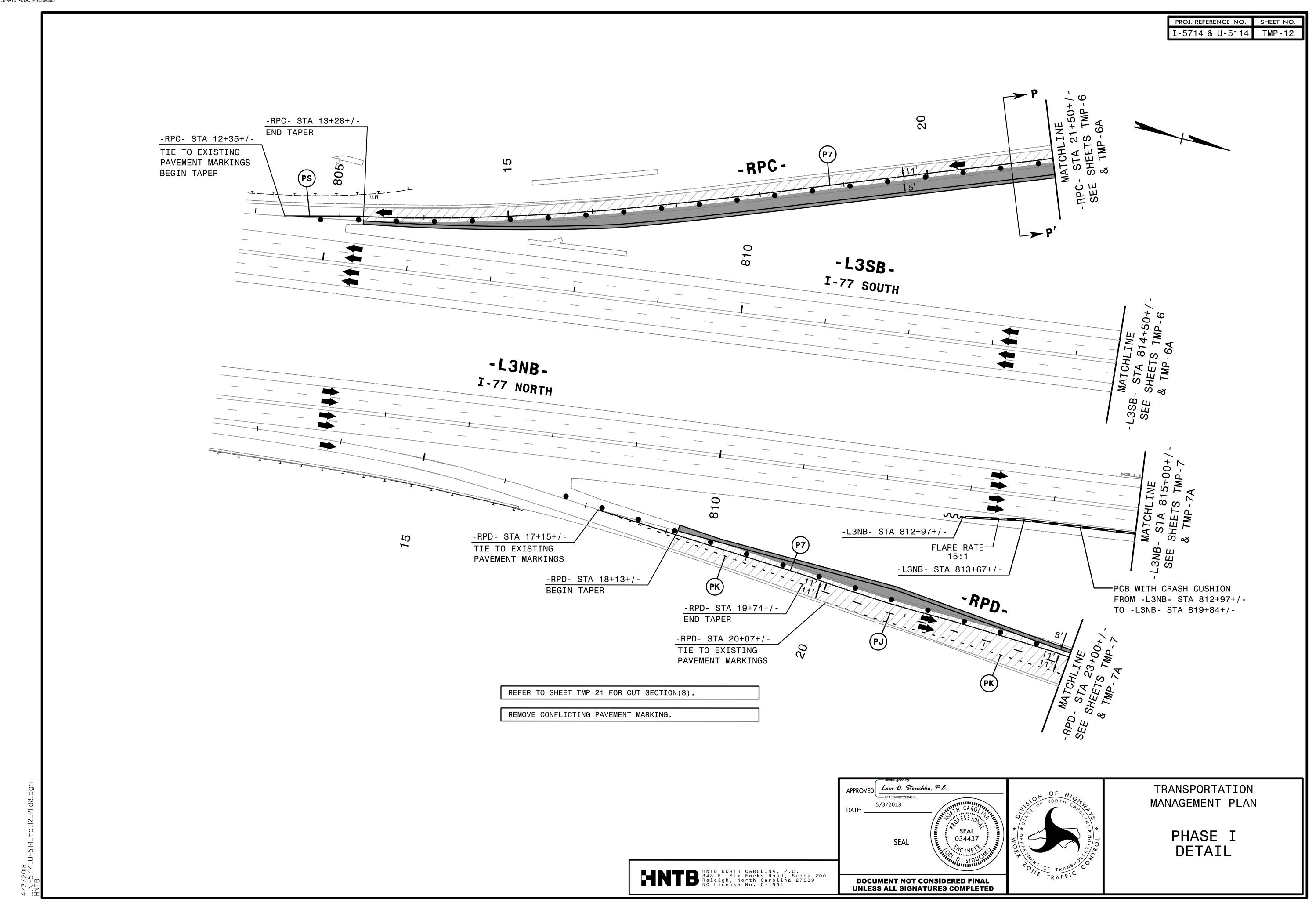
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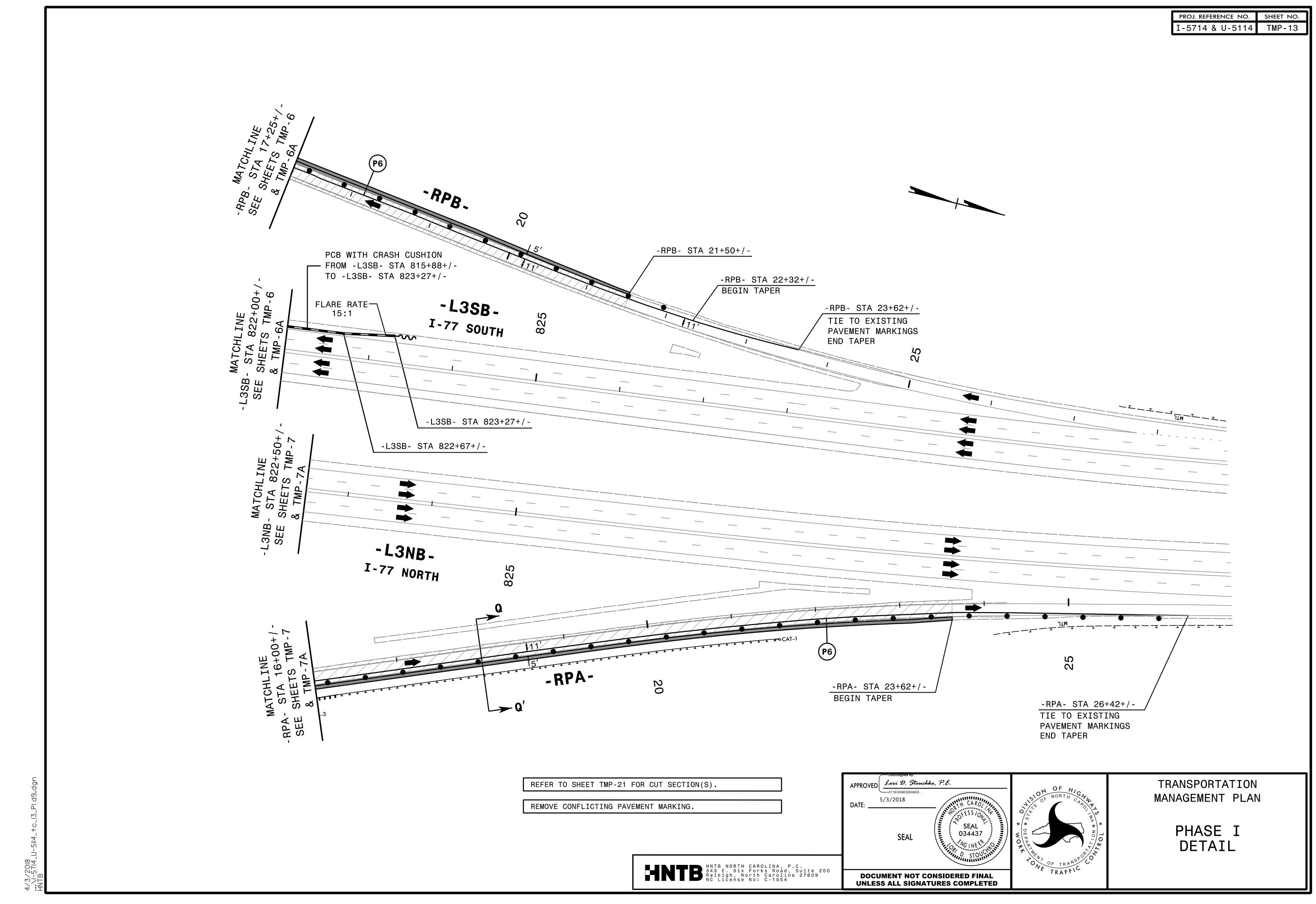


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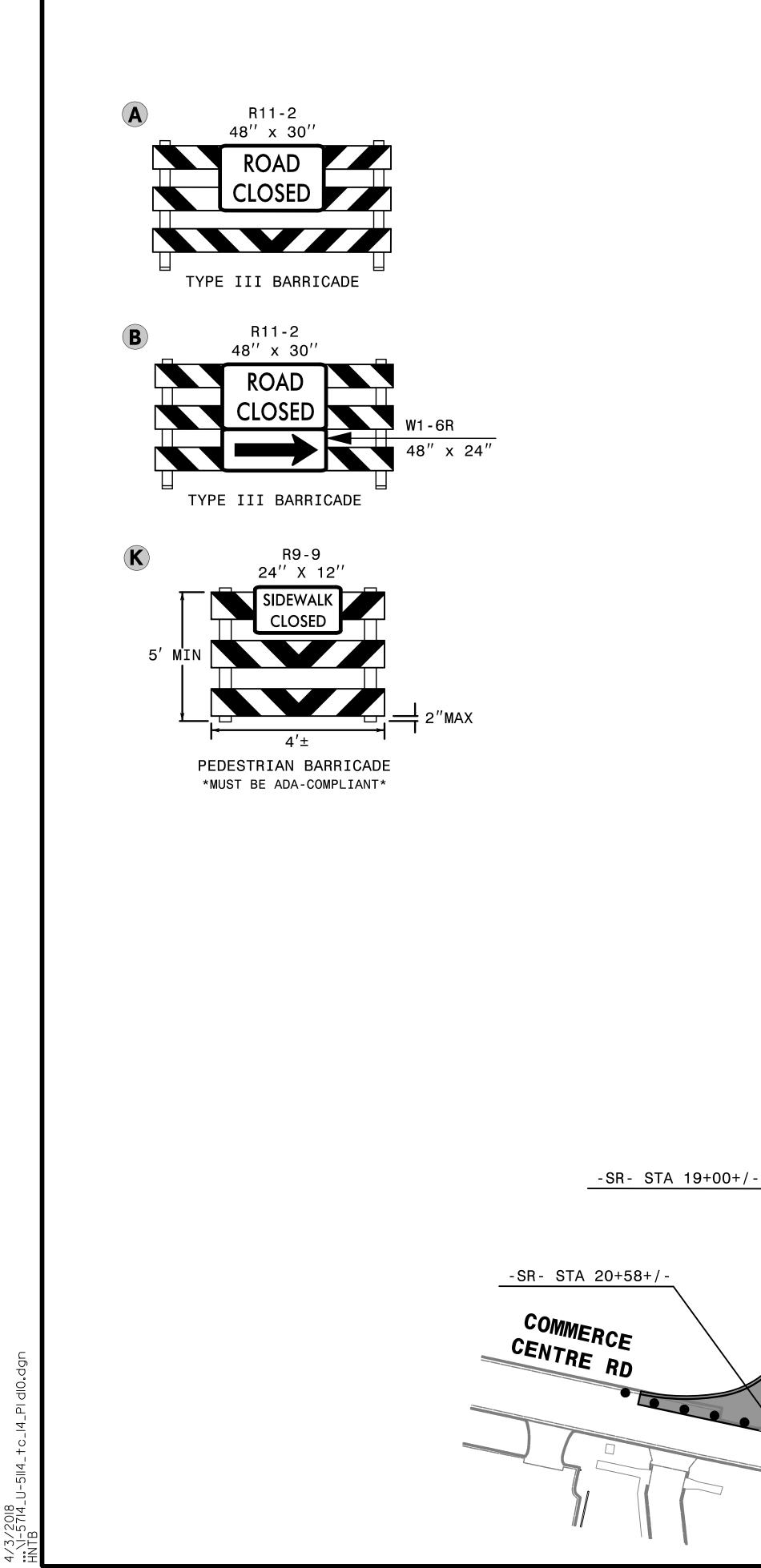


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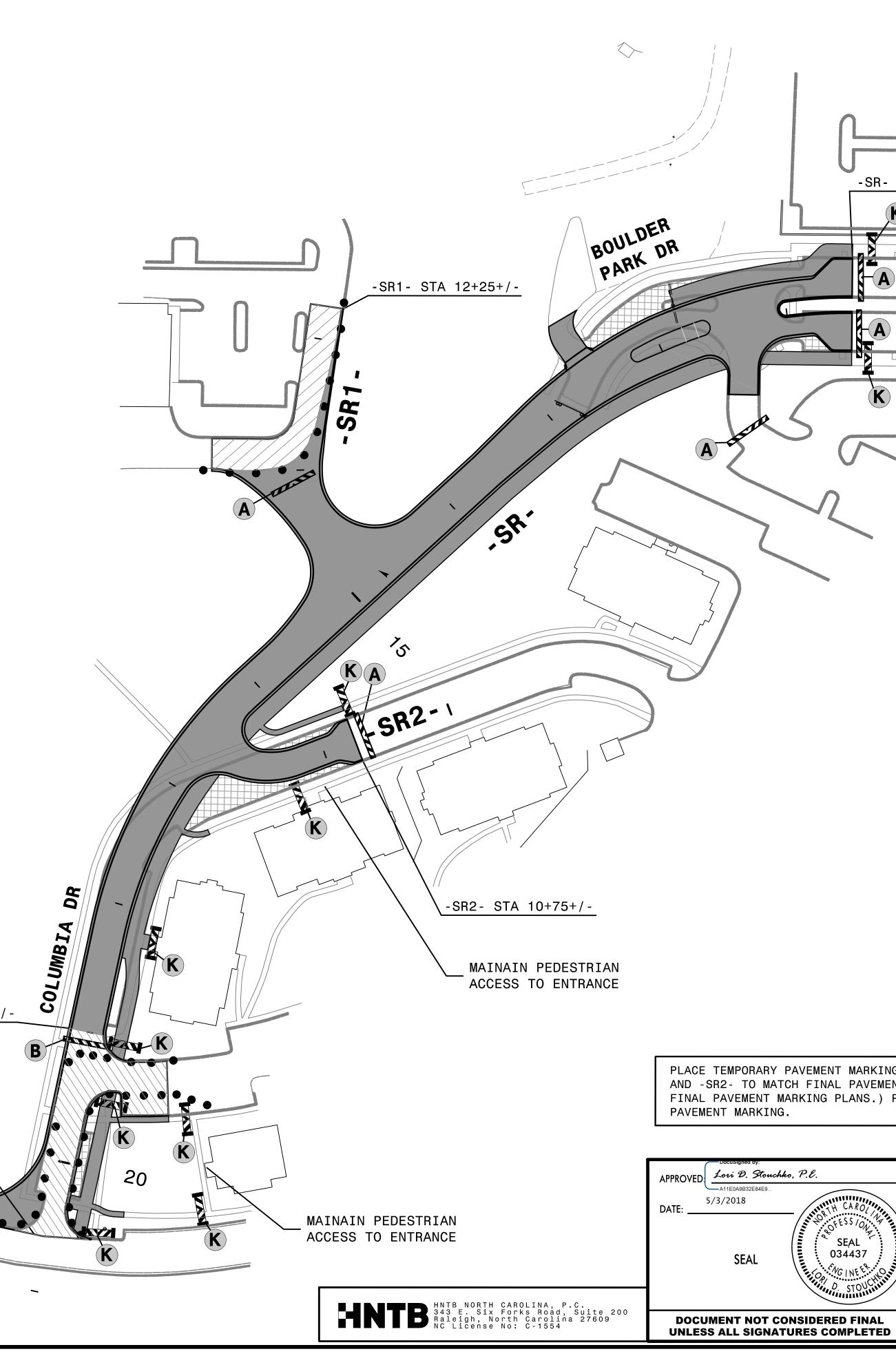




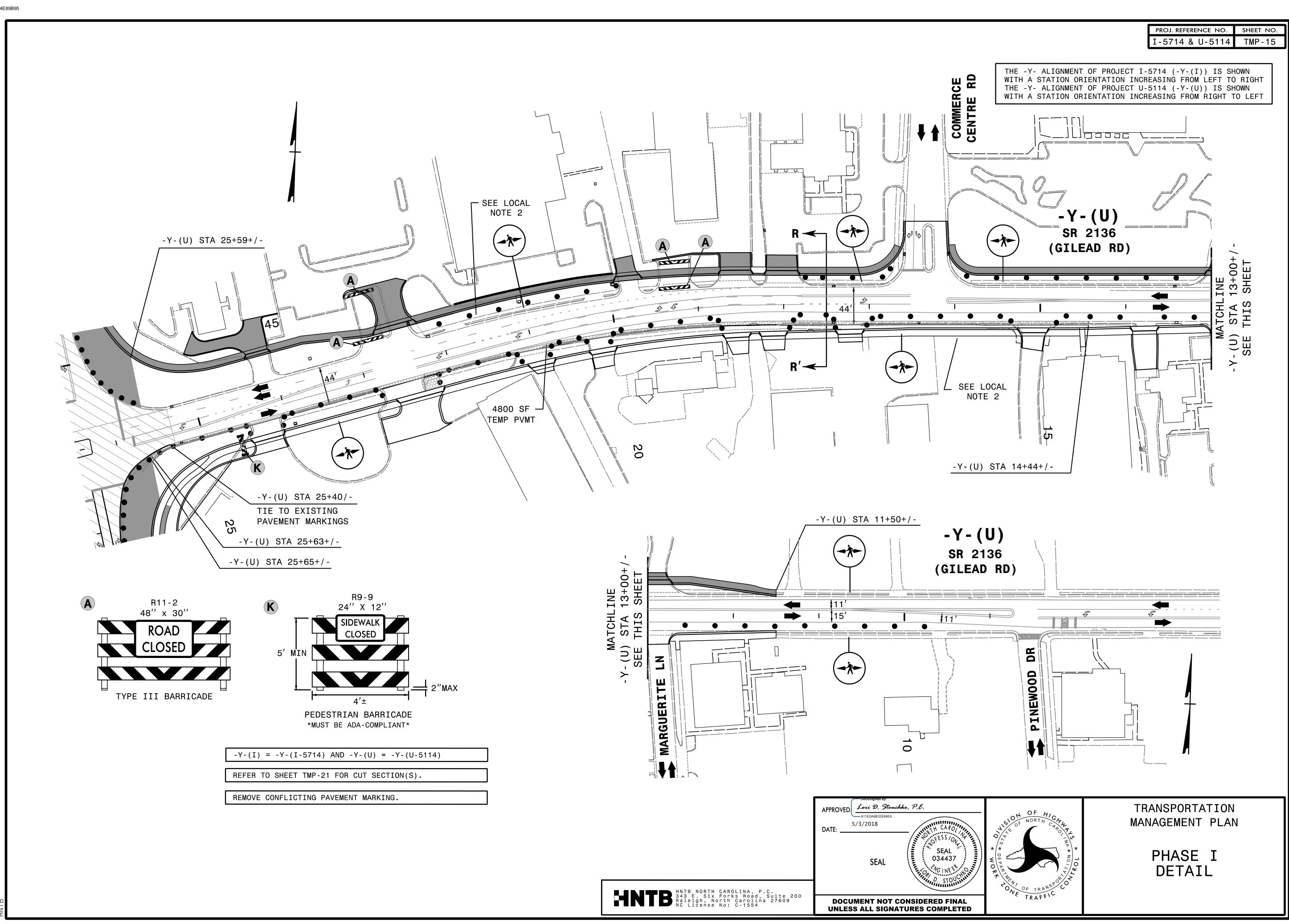
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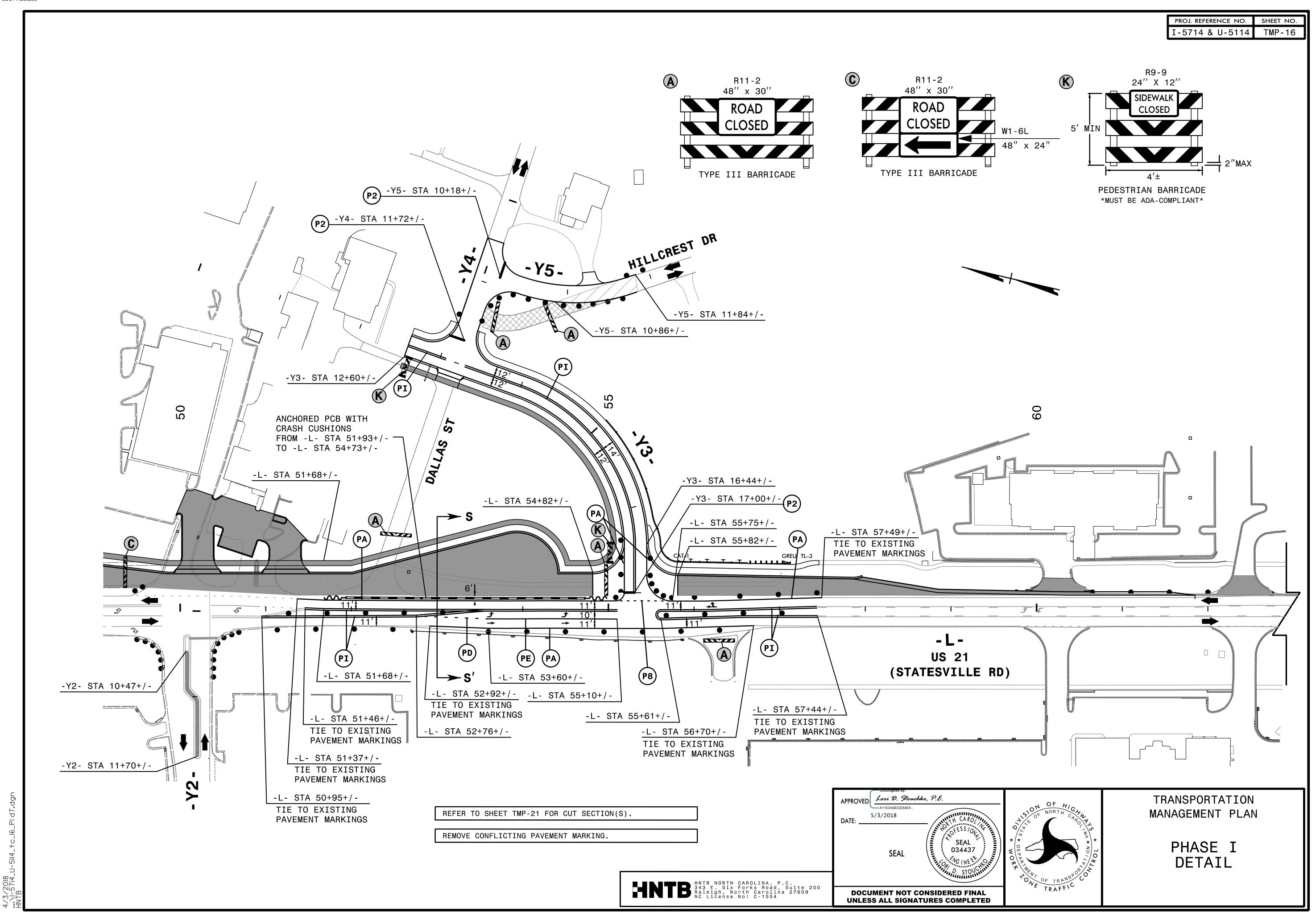
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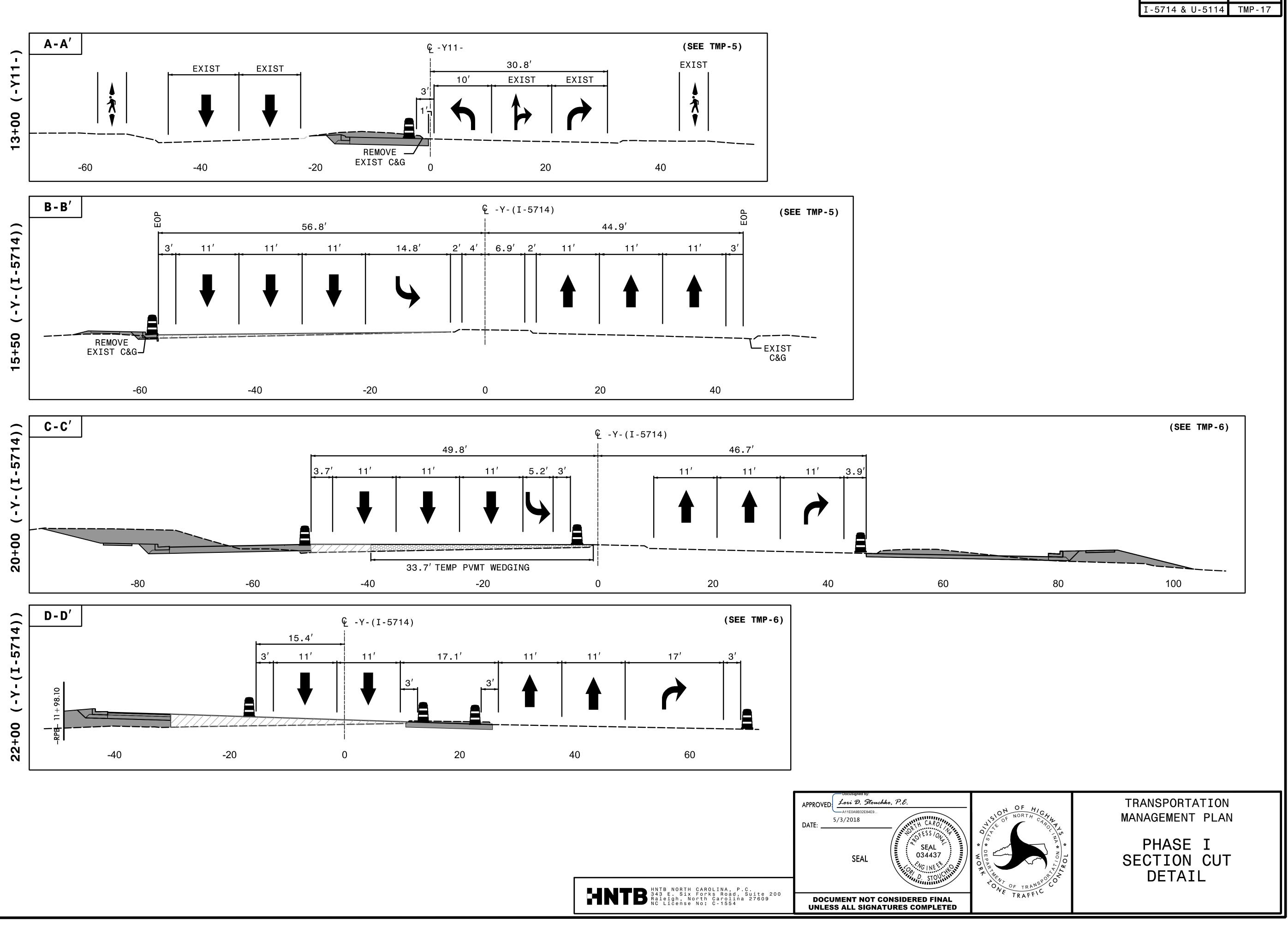
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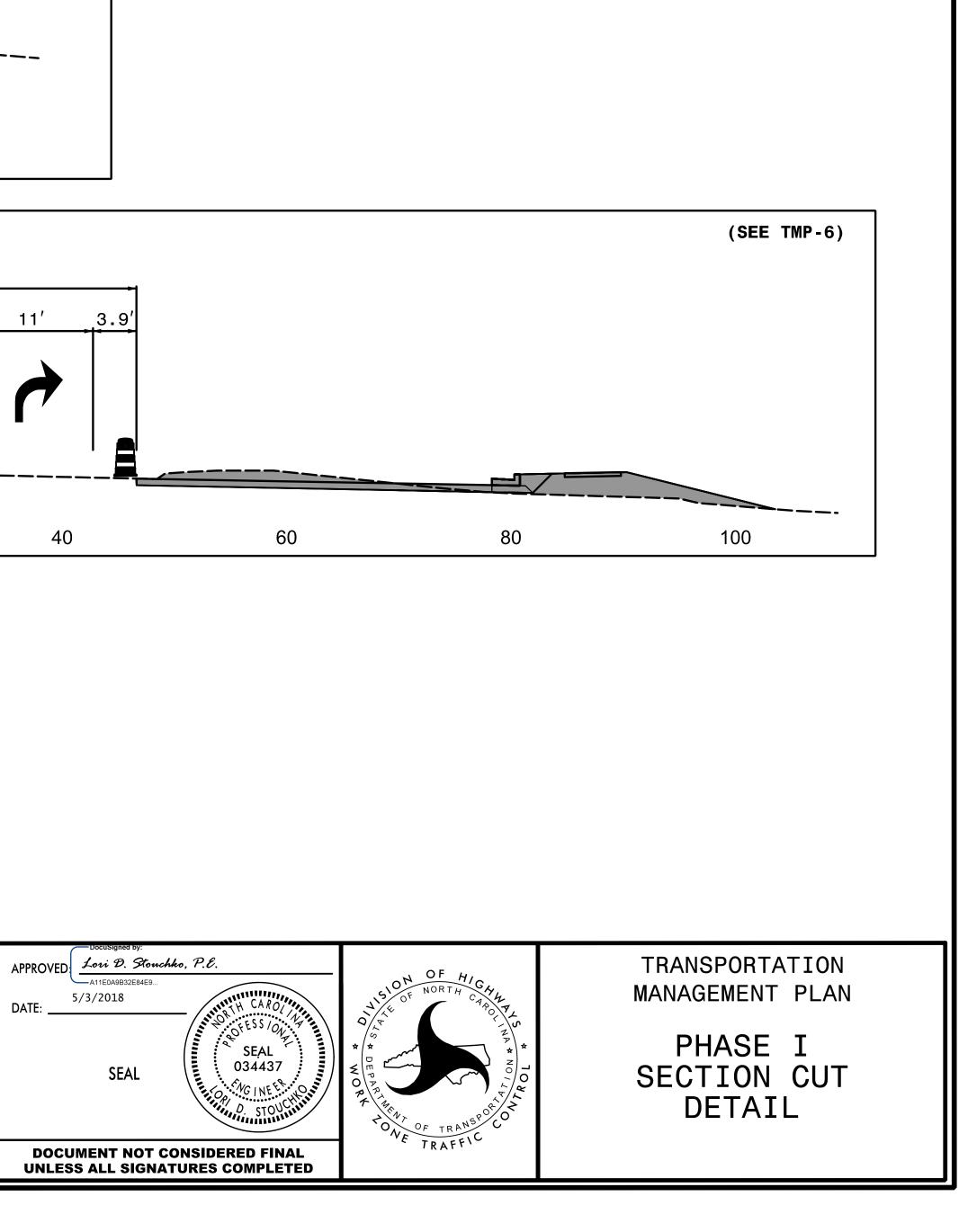


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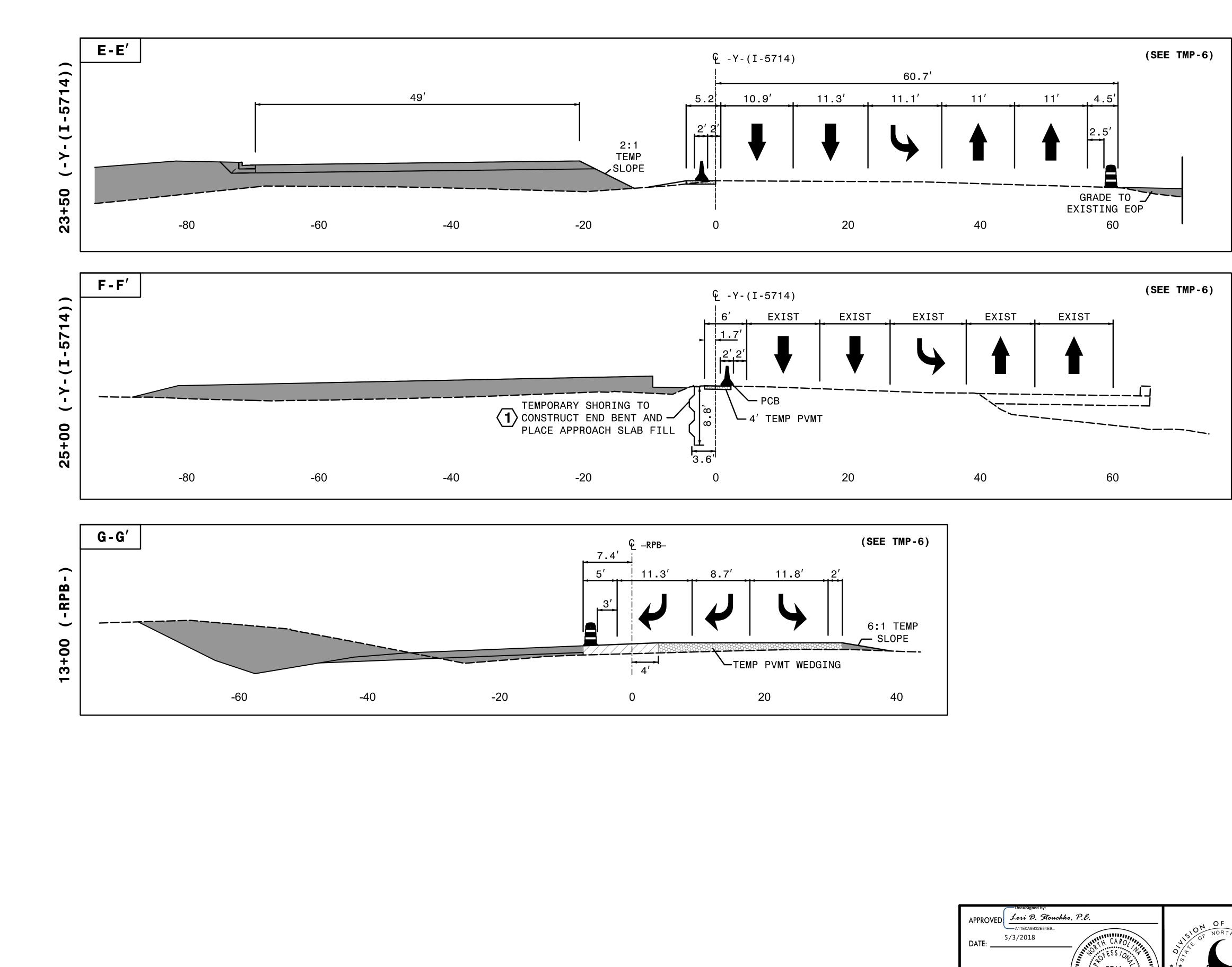








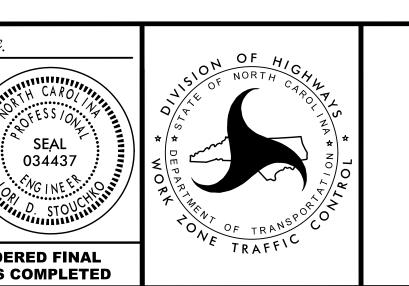
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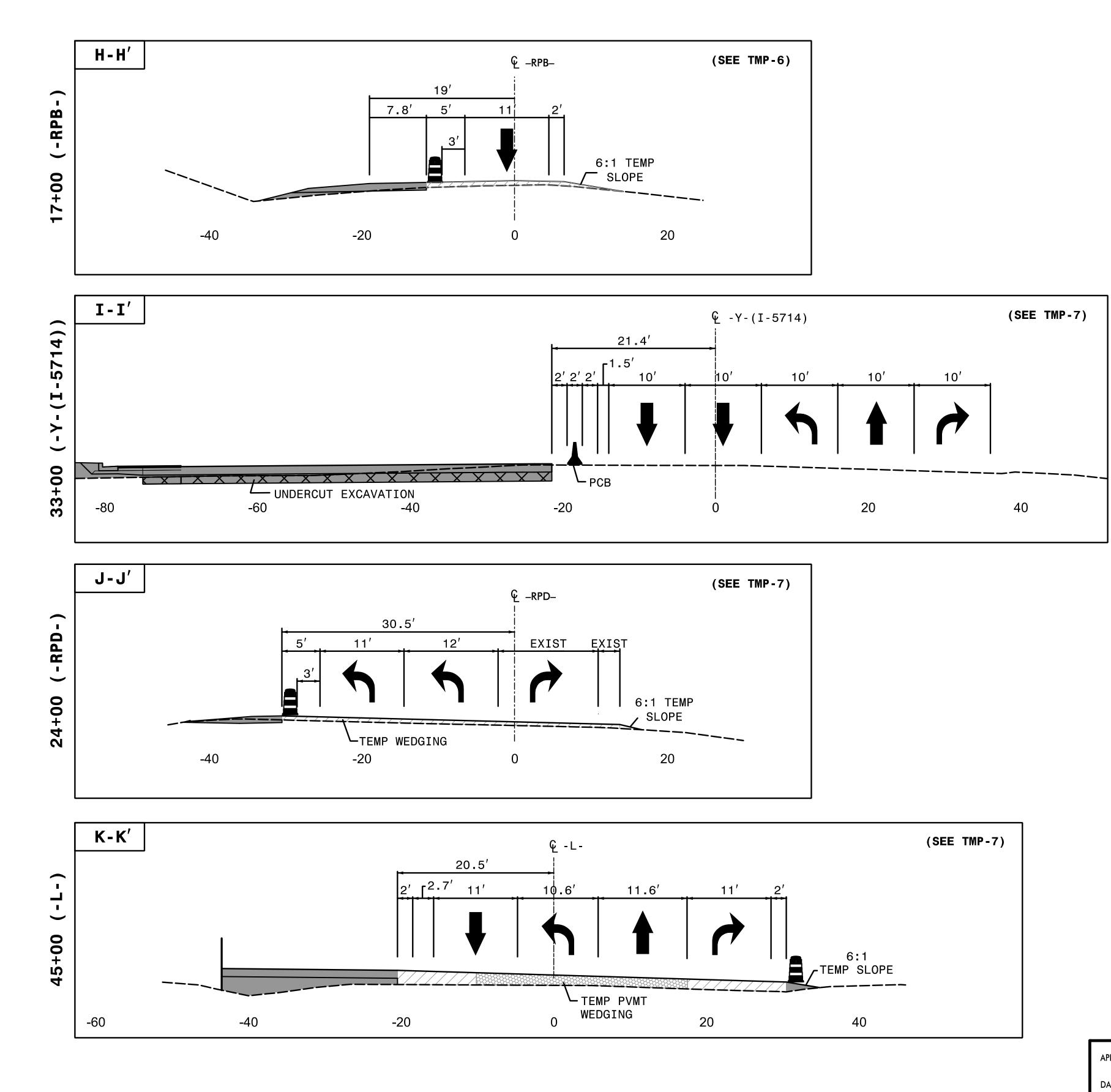
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### TRANSPORTATION MANAGEMENT PLAN

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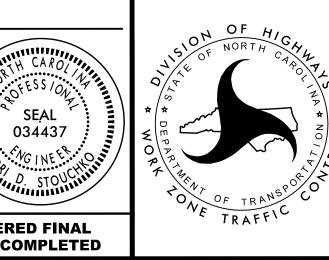
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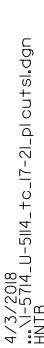
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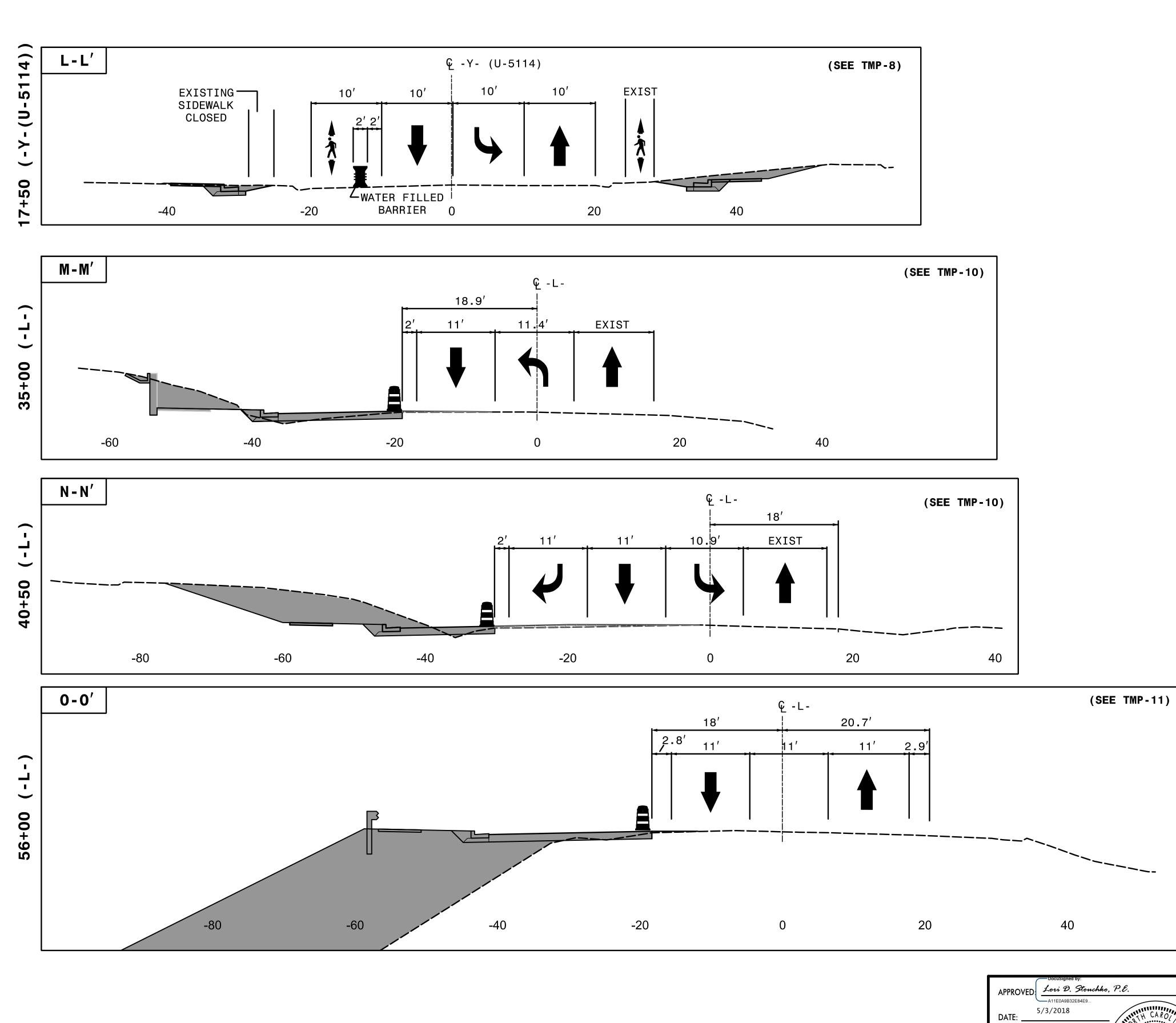


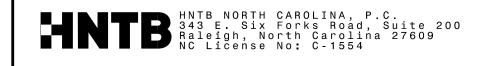
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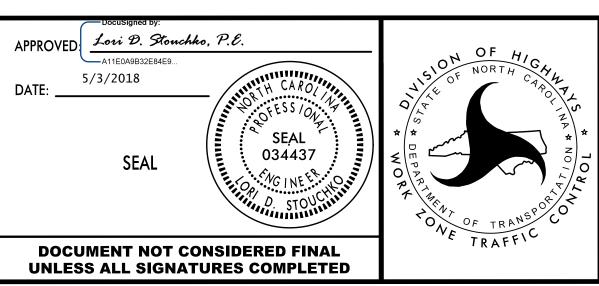
TRANSPORTATION MANAGEMENT PLAN

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I-5714 & U-5114 TMP-19









### PHASE I SECTION CUT DETAIL

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