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IN.	DEX OF SHEETS	sheet no. TMP–1
). 1C .2	TITLETITLE SHEET, VICINITY MAP AND INDEX OF SHEETSLIST OF APPLICABLE ROADWAY STANDARD DRAWINGS,AND LEGENDTRANSPORTATION OPERATION PLAN: (MANAGEMENTSTRATEGIES, GENERAL NOTES, AND LOCAL NOTESPORTABLE CONCRETE BARRIER AT TEMPORARY SHORINGLOCATIONSTEMPORARY SHORING NOTESTEMPORARY SHORING NOTESTEMPORARY SHORING NOTESTEMPORARY SHORING NOTESDETOUR DETAIL (-Y2- CLEAR CREEK RD)DETOUR DETAIL (-Y2- CLEAR CREEK RD)DETOUR DETAIL (-Y2- CLEAR CREEK RD AT NIX RD)DETOUR DETAIL (-Y2- CLEAR CREEK RD AT NIX RD)DETOUR DETAIL (-Y1RPA-)DETOUR DETAIL (-Y1RPA-)DETOUR DETAIL (-Y1RPA-)DETOUR DETAIL (-Y1RPA-)PULL-OFF AREA DETAILPULL-OFF AREA DETAILPULL-OFF AREA DETAILPULL-OFF AREA DETAILPULL-OFF AREA SPECIAL SIGN DETAILNORK ZONE SPEED LIMIT REDUCTION DETAILNO PARKING TOW AWAY SPECIAL SIGN DESIGNPHASINGPHASE 1 OVERVIEWS	R
D	PHASE 1 CUT SECTIONS PHASE 1 DETAILS PHASE 2 OVERVIEWS	0B
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	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	PROJECT:
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ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" -CONTRACT STANDARDS AND DEVELOPMENT 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:

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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
1170.01	POSITIVE PROTECTION - PORTABLE CON
1180.01	SKINNY DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND
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1205.04	PAVEMENT MARKINGS - INTERSECTIONS
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1205.09	PAVEMENT MARKINGS - PAINTED ISLAND
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTION
1250.01	RAISED PAVEMENT MARKERS - INSTALLA
1251.01	RAISED PAVEMENT MARKERS - (TEMPORA
1261.01	GUARDRAIL AND BARRIER DELINEATORS
1261.02	GUARDRAIL AND BARRIER DELINEATORS
1262.01	GUARDRAIL END DELINEATION

LEGEND

TMA DELINEATION NCRETE BARRIER

ID OFFSETS MULTILANE ROADWAYS

ORD MESSAGES DS

ATION SPACING

ARY)

- INSTALLATION SPACING
- TYPES AND MOUNTING

<u>GENERAL</u>

DIRECTION OF TRAFFIC FLOW DIRECTION OF PEDESTRIAN TRAFFIC FLOW -1× ---- EXIST. PVMT. NORTH ARROW PROPOSED PVMT. TEMPORARY PAVEMENT REMOVAL WEDGE/ WIDEN WORK AREA TEMPORARY GRADE/ LEVELING COURSE ONGOING CONSTRUCTION INCIDENTAL STONE TRAFFIC CONTROL DEVICES BARRICADE (TYPE III) CONE DRUM 🔘 SKINNY DRUM 🞯 TUBULAR MARKER TEMPORARY CRASH CUSHION \sim FLASHING ARROW PANEL (TYPE C) ____ FLAGGER LAW ENFORCEMENT TRUCK MOUNTED IMPACT ATTENUATOR (TMIA) CHANGEABLE MESSAGE SIGN FLASHING ARROW PANEL IN 'CAUTION MODE'

TEMPORARY SIGNING

PORTABLE SIGN

- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS



PAVEMENT MARKINGS

----EXISTING LINES

PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING SYMBOLS

DocuSigned by:
APPROVED: <u>Rhonda B. Early</u>
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		proj. reference no. T - 4400BB	SHEET NO. TMP - 1 A
		1 110022	
<u>TEMPO</u>	RARY PAVEMENT MARKIN	IG	
SYMBOL	DESCRIPTION		
PAVEMENT	MARKING LINES		
~ .	COLD APPLIED PLASTIC T	YPE 4 (4")	
CA CI	WHITE EDGELINE YELLOW DOUBLE CENTER LINE		
	PAINT (4")		
Р8 Р <u>9</u>	2 FT - 6 FT/SP WHITE MINISK 2 FT - 6 FT/SP YFLLOW MINIS	IР ктр	
PA	WHITE EDGELINE		
PB PC	YELLOW EDGELINE		
PD	3FT - 9FT/SP WHITE MINISKIP		
PE	WHITE SOLID LANE LINE		
PF PH	YELLOW SKIP		
PI	YELLOW DOUBLE CENTER LINE		
	HIGH PERFORMANCE(6")		
Z6 77	WHITE EDGELINE		
ZJ	10 FT. WHITE SKIP		
ZK	3FT - 9FT/SP WHITE MINISKIP		
ZL	WHILE SOLID LANE LINE		
010	PAINT (8")		
PT3 PN	WHITE GORELINE	2	
PO	WHITE DIAGONAL		
PP	YELLOW DIAGONAL		
PQ PR	WHITE CROSSWALK LINE WHITE SOLID LANE LINE		
	HIGH PERFORMANCE (12")		
Z10	3 FT - 9FT/SP WHITE MINISKI	P	
ZS ZT	WHITE GORELINE WHITE SOLID LANE LINE		
	$PATNT (\mathcal{Q} \mathcal{A}'')$		
P2	WHITE STOP BAR		
NOTE:	FOR EACH PAINT PAVEMENT MARK	ING ITEM, REFER T	0
	GENERAL NOTES FOR NUMBER OF	APPLICATÍONS.	



ROADWAY STANDARD DRAWINGS AND LEGEND

TRANSPORTATION

MANAGEMENT PLAN

тис		DIRECTED BY TH	HE ENGINEER.	
	STRUCTION ECTED BY	NG GENERAL NOTE N PROJECT, EXCE THE ENGINEER.	EPT WHEN OTHERWISE N	OTED IN THE PLAN, OR
	E RESTRI	CTIONS		
A)		JLUSE OR NARROV	N TRAVEL LANES AS FU	LLOWS:
	I-26 I-26 RAM US-64 RA	MPS AMPS	MONDA 6:00 SATUR 9:00	Y THRU FRIDAY AM - 9:00 PM DAY AND SUNDAY AM - 9:00 PM
B)	DO NOT (EVENTS A	CLOSE OR NARROW AS FOLLOWS:	V TRAVEL LANES DURING	G HOLIDAYS AND SPECIA
	ROAD NAM	<u>/E</u>		
	I-26, I	-26 RAMPS, AND	US-64 RAMPS	
	HOLIDAY			
	1. FOR TRAN	ANY UNEXPECTED FIC VOLUMES, A	O OCCURRENCE THAT CR AS DIRECTED BY THE E	EATES UNUSUALLY HIGH NGINEER.
	2. FOR DECE YEAF	CHRISTMAS AND EMBER 18TH TO S R'S DAY.	NEW YEAR'S, BETWEEN 9:00 P.M. THE THIRD N	THE HOURS OF 6:00 A. WEEKDAY FOLLOWING NEW
	3. FOR 9:00	EASTER, BETWEE P.M. MONDAY.	EN THE HOURS OF 6:00	A.M. THURSDAY AND
	4. FOR TO S	MEMORIAL DAY, 9:00 P.M. TUESE	BETWEEN THE HOURS O DAY.	F 6:00 A.M. FRIDAY
	5. FOR DAY INDE	INDEPENDENCE E BEFORE INDEPEN EPENDENCE DAY.	DAY, BETWEEN THE HOUNDENCE DAY AND 9:00	RS OF 6:00 A.M. THE P.M. THE DAY AFTER
	IF THEN INDE DAY	INDEPENDENCE DA N BETWEEN THE H EPENDENCE DAY A	AY IS ON A FRIDAY, SA HOURS OF 6:00 A.M. TH AND 9:00 P.M. THE TU	ATURDAY, SUNDAY OR MO HE THURSDAY BEFORE ESDAY AFTER INDEPENDE
	6. FOR TO S	LABOR DAY, BET 9:00 P.M. TUESE	WEEN THE HOURS OF 6	:00 A.M. THURSDAY
	7. FOR BEFO THAN	THANKSGIVING E DRE THANKSGIVIN NKSGIVING DAY.	DAY, BETWEEN THE HOUN NG DAY AND 9:00 P.M.	RS OF 6:00 A.M. THE F THE MONDAY FOLLOWING
	8. FOR BETV THAN	THE CHRISTMAS VEEN THE HOURS IKSGIVING DAY T	RETAIL SEASON, THUR OF 9:00 P.M. THE THU O 6:00 A.M. DECEMBER	SDAYS THROUGH SUNDAYS JRSDAY FOLLOWING R 18TH.
	9. FOR 10 E OF 6 THE	THE NORTH CARO DAYS STARTING T 5:00 A.M. ON TH FOLLOWING MOND	LINA MOUNTAIN STATE HE FRIDAY AFTER LABO E FRIDAY FOLLOWING L AY AFTER THE FAIR CO	FAIR (TYPICALLY HELD OR DAY), BETWEEN THE _ABOR DAY AND 9:00 P. ONCLUDES.
C)	DO NOT CI	_OSE ROADS AS F	OLLOWS	
	ROAD NAM	<u>//E</u>		Y AND TIME RESTRICTIO
	1-20			5:00 AM - 11:00 PM
D)	DO NOT S	STOP TRAFFIC AS	S FOLLOWS:	
	ROAD NAM	ЛЕ	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
	I-26 &	I-26 RAMPS	MONDAY-SUNDAY 5:00AM - 11:00	30 MINUTES FOR PM EXISTING BRIDGE GIRDER INSTALLA OVERHEAD SIGN S

PM OBB_tc_TMP FRNAME\$\$\$\$ 0:05 -440 +127

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	GEN	FRAL NOTES		PROJ. REFERENCE NO. SHEET NO. I - 4400BB TMP - 1B		
HA	AULING RESTRICTIONS		PAVEMENT EDGE DROP OFF REQUIREMENTS			
DO OF GU	NOT CONDUCT ANY HAULIN AN OPEN TRAVELWAY UNLE JARDRAIL SEPARATES THE T	G OPERATIONS AGAINST THE FLOW OF TRAFFIC SS AN APPROVED TEMPORARY TRAFFIC BARRIER OR RAFFIC FROM THE HAULING OPERATION.	L) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATI PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LAN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:	ON OF EXISTING E THAT HAS AN		
DO LI CO	NOT HAUL DURING THE HO STED IN GENERAL NOTE "B MPLETELY BEHIND TEMPORA	LIDAY AND SPECIAL EVENTS TIME RESTRICTIONS ;", UNLESS THE HAULING OPERATION OCCURS ARY TRAFFIC BARRIER OR GUARDRAIL AND DOES	BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAY SPEED LIMITS OF 45 MPH OR GREATER.	S WITH POSTED		
	IGRESS AND EGRESS TO AND CORDANCE WITH THE "TYPI	FROM THE I-26 MEDIAN SHALL BE CONDUCTED IN CAL MEDIAN ACCESS AREA" SPECIAL PROVISION,	BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAY SPEED LIMITS LESS THAN 45 MPH. BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPF	S WITH POSTED		
RS GE AT	IS IS NOT REQUIRED IF 03 D 1101.05, SHEET 2, WITH ENERAL NOTE "A". PROVIDE F PRE-CONSTRUCTION CONFE	SING A LANE CLOSURE IN CONJUCTION WITH HIN THE ALLOWABLE TIMES AS DESCRIBED IN THE NUMBER OF AND LOCATIONS TO THE ENGINEER RENCE.	ENGINEER, AT NO EXPENSE TO THE DEPARTMENT. M) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE			
HA ^r SP	UL VEHICLES SHALL NOT EN YEEDS MORE THAN 10 MPH B	NTER AND/OR EXIT AN OPEN TRAVEL LANE AT SELOW THE POSTED SPEED LIMIT.	WARNING "UNEVEN LANES" SIGNS (W8-11) 500' IN ADVANO MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN A	E AND A REA.		
HA! SU DE	ULING OPERATIONS THAT PE JBJECT TO THE LANE, HOLI SCRIBED IN GENERAL NOTE	ERPENDICULARLY CROSS A ROADWAY SHALL BE DAY AND SPECIAL EVENT TIME RESTRICTIONS E "A".	N) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIO TRAFFIC PATTERN ALTERATION.	R TO ANY		
EX(BA AL TI E)	CLUDING HAULING OPERATION RRIER OR GUARDRAIL, SING LOWED INGRESS AND EGRES IME RESTRICTIONS: DO NOT CONDUCT SINGLE	ONS THAT ARE CONDUCTED ENTIRELY BEHIND GLE AND MULTI-VEHICLE HAULING SHALL NOT BE S FROM ANY TRAVELWAY DURING THE FOLLOWING	<u>SIGNING</u> O) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THRE TO THE BEGINNING OF CONSTRUCTION.	IS WITHIN 40 FT E (3) DAYS PRIOR		
	ROAD NAME	DAY AND TIME RESTRICTIONS	PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTR	ROAD ACCORDING OL PLANS.		
	I-26 I-26 RAMPS	MONDAY-FRIDAY 6:00 AM - 9:00 AM	PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR R THE TRAFFIC CONTROL PLANS.	OUTE AS SHOWN IN		
	DO NOT CONDUCT MULTI-	4:00 PM - 7:00 PM VEHICLE HAULING AS FOLLOWS:	Q) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION. COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE			
	ROAD NAME	DAY AND TIME RESTRICTIONS	R) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO	ALTERING ANY		
	I-26 I-26 RAMPS	MONDAY-FRIDAY 6:00 AM - 9:00 PM SATURDAY AND SUNDAY 8:00 AM - 9:00 PM	S) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR 500' IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED	"BUMP" SIGNS (W8-1) BY THE ENGINEER.		
LA	ANE CLOSURE REQUIREMENTS	ć	TRAFFIC BARRIER			
F)	REMOVE LANE CLOSURE DI PERFORMED BEHIND THE NEEDED OR AS DIRECTED	EVICES FROM THE LANE WHEN WORK IS NOT BEING LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER) BY THE ENGINEER.	T) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPO PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNIN LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT	RTATION MANAGEMENT G WORK IN ANY ANY LOCATION, PROCEED BK IN THAT LOCATION		
G)	WHEN PERSONNEL AND/OR TRAVEL LANE, CLOSE TH DRAWING NO. 1101.04 U	EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN E NEAREST OPEN SHOULDER USING ROADWAY STANDARD JNLESS THE WORK AREA IS PROTECTED BY BARRIER OR	UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANA DIRECTED BY THE ENGINEER. DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHEF	GEMENT PLANS OR AS		
H)	WHEN PERSONNEL AND/OR TO AN UNDIVIDED FACIL CLOSE THE NEAREST OPE 1101.02 UNLESS THE WO	EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT ITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, N TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. ORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.	ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE/RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRANSPORTATION MANAGEMENT			
	WHEN PERSONNEL AND/OR TO A DIVIDED FACILITY THE NEAREST OPEN TRAV 1101.02 UNLESS THE WO	EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE EL LANE USING ROADWAY STANDARD DRAWING NO. RK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.	PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, O THE ENGINEER. INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW, B THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BA THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SI	R AS DIRECTED BY EGINNING WITH RRIER AGAINST DE OF TRAFFIC		
I)	WHEN PERSONNEL AND/OR OF AN UNDIVIDED OR DIV TRAFFIC CONTROL PLANS THE ENGINEER CONDUC EQUIPMENT REMAINS WIT	EQUIPMENT ARE WORKING WITHIN A LANE OF IRAVEL VIDED FACILITY, CLOSE THE LANE ACCORDING TO THE , ROADWAY STANDARD DRAWINGS OR AS DIRECTED BY T THE WORK SO THAT ALL PERSONNEL AND/OR HIN THE CLOSED TRAVEL LANE.	INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE RO THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE T	POSTED SPEED ADWAY CLOSED UNTIL EMPORARY BARRIER		
J)	DO NOT WORK SIMULTANE(TRAVELWAY RAMP OR LOO! WITH GUARDRAIL OR BAR	OUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN P WITHIN THE SAME LOCATION UNLESS PROTECTED RIER.				
K)	DO NOT INSTALL MORE TH ONE DIRECTION ON I-26 LANE CLOSURES, MEASURI FIRST SIGN OF THE NEX EACH LANE CLOSURE SHA AND 2.5 MILES FOR A D BEGINNING OF THE FIRS CLOSURE.	HAN TWO SIMULTANEOUS LANE CLOSURES IN ANY PROVIDE A MINIMUM OF 2 MILES BETWEEN ED FROM THE END OF ONE LANE CLOSURE TO THE T LANE CLOSURE. THE MAXIMUM LENGTH OF LL BE 2 MILES FOR A SINGLE LANE CLOSURE OUBLE LANE CLOSURE, MEASURED FROM THE T MERGE TAPER TO THE END OF THE LANE	OVED: <u>Rhonda B. Early</u> 9/3/2019 SEAL DocuSigned by: NOR T H CAROL NOR T H CAROL NOR T H CAROL SEAL SEAL SEAL	RANSPORTATION ANAGEMENT PLAN		
			SEAL D23521 THONOL B. EANING OF TRANSPORTOR OF TRANSPORTOR OF TRANSPORTOR	NERAL NOTES		
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		GENER	AL	NOTE	' S
U)	PROTECT THE APPR TIMES DURING THE TRUCK MOUNTED IM CRASH CUSHION.	OACH END OF INSTALLATIC PACT ATTENUA	MOVABLE/)N AND RE \TOR (MAX	PORTABLE CO MOVAL OF TH IMUM 72 HOU	NCRETE BARRIER E BARRIER BY EI RS) OR A TEMPOR
	PROTECT THE APPR ONCOMING TRAFFIC THE APPROACH END ONCOMING TRAFFIC	OACH END OF AT ALL TIME OF MOVABLE/ AS FOLLOWS	MOVABLE/ ES BY A T PORTABLE OR AS SH	PORTABLE CO EMPORARY CR CONCRETE B OWN IN THE	NCRETE BARRIER ASH CUSHION UNL ARRIER IS OFFSE PLANS:
	POSTED 40 OR L 45 - 50 55 60 MPH	SPEED LIMIT ESS or HIGHER		MINIMUM 15 FT 20 FT 25 FT 30 FT	OFFSET
TRAI	FIC CONTROL DEVI	CES			
V)	SPACE CHANNELIZI TWICE THE POSTED AND 3 FT OFF THE NOT IN EFFECT. OF STANDARD SPEC THE PLANS.	NG DEVICES I SPEED LIMIT EDGE OF AN WHEN SKINNY IFICATIONS F	N WORK AN (MPH), N OPENED TI DRUMS AR OR ROADS	REAS NO GREA EXCEPT 10 F RAVELWAY, WI E ALLOWED, I AND STRUCTI	ATER IN FEET THA T ON-CENTER IN A HEN LANE CLOSURA REFER TO SECTION JRES OR AS SHOWN
W)	REFER TO HIGH VI STATIONARY WORK RAMPS AND LOOPS.	SIBILITY DEV ZONE SIGNS A	ICES SPEC	CIAL PROVIS BLE WORK ZOI	ION FOR DRUMS, NE SIGNS USED OI
X)	PLACE TYPE III BA SUFFICIENT LENGT	ARRICADES, W H TO CLOSE E	/ITH "ROAI NTIRE RO	D CLOSED" S ADWAY.	IGN R11-2 ATTACH
Y)	PLACE ADDITIONAL PERPENDICULAR TO UNOPENED LANES A	SETS OF THR THE EDGE OF RE CLOSED TO	EE CHANNI THE TRAY TRAFFIC	ELIZING DEV VELWAY ON 50	ICES (DRUMS) DO FT CENTERS WH
Z)	PROVIDE AND OPERATHE ENGINEER.	ATE 6 ADDITI	ONAL CMS	's to be use	D AS DIRECTED B
PAV	EMENT MARKINGS AN	D MARKERS			
AA)	INSTALL TEMPORAR INTERIM LAYERS O	Y PAVEMENT M F PAVEMENT A	ARKINGS	AND TEMPORA S:	RY PAVEMENT MAR
	ROAD NAME	MARK	ING		MARKER
	ALL Y-LINES I-26 ALL RAMPS	PAINT HIGH PERI HIGH PERI	FORMANCE FORMANCE	MARKINGS MARKINGS	TEMPORARY RAIS TEMPORARY RAIS TEMPORARY RAIS
	FINAL CONCRETE SURFACES	COLD APPI (TYPE 4)	LIED PLAS	STIC	
	BRIDGES	COLD APPI	LIED		
BB)	PLACE ONE APPLIC PLACE A SECOND A APPLICATION AND	ATION OF PAI PPLICATION C EVERY SIX MC	NT FOR T)F PAINT)NTHS AS	EMPORARY TR SIX (6) MON DIRECTED BY	AFFIC PATTERNS. THS AFTER THE I THE ENGINEER.
CC)	TIE PROPOSED PAV LINES.	EMENT MARKIN	IG LINES	TO EXISTING	PAVEMENT MARKI
DD)	REMOVE/REPLACE A BY THE END OF EA	NY CONFLICTI CH DAY'S OPE	NG/DAMAG	ED PAVEMENT	MARKINGS AND M
EE)	TRACE THE PROPOS PAVEMENT MARKING ANY PROPOSED MON	ED MONOLITHI S PRIOR TO I OLITHIC ISLA	C ISLAND NSTALLAT	LOCATIONS ION. PLACE RE INSTALLA	WITH PROPER COL DRUMS TO DELIN TION.
MIS	CELLANEOUS				
FF)	LAW ENFORCEMENT AREA AND/OR INTE	SHALL BE USE RSECTIONS AS	ED TO MAI S DIRECTE	NTAIN TRAFF D BY THE EN	IC THROUGH THE GINEER.
GG)	IN THE EVENT A T TIE-IN AREA TO A ENGINEER. PLACE BLACK ON ORANGE RESPECTIVELY IN THE EDGE OF ROAD	IE-IN CANNOT N APPROPRIAT BLACK ON OF "PAVEMENT EN ADVANCE OF T WAY ALONG UN	⁻ BE MADE ⁻ E ROADWA ANGE "LO JDS" SIGN HE UNEVE NPAVED AR	IN ONE DAY Y ELEVATION OSE GRAVEL" S (W8-3) 50 N AREAS. U EAS.	S TIME, BRING T , AS DETERMINED SIGNS (W8-7) A O FT AND 1000 F SE DRUMS TO DEL
HH)	ALL CURB RAMP LO PAVEMENT MARKING WITH THE SIGNING	CATIONS SHAL PLANS OR AS AND DELINEA	L BE DER DIRECTE	IVED FROM S D BY THE EN T.	TATIONING SHOWN GINEER IN COORD
II)	CONTRACTOR SHALL THE PHASING. CON SIDEWALKS (CONCR BY THE ENGINEER) HAS BEEN REMOVED	MAINTAIN SI TRACTOR SHAL ETE, ASPHALT AT ALL LOCA FOR CONSTRU	DEWALK A L BE RES , OR OTH TIONS WH JCTION OP	CCESS AT AL PONSIBLE TO ER SUITABLE ERE THE OPE ERATIONS (U	L TIMES AS STAT PROVIDE TEMPOR MATERIAL AS AP N PEDESTRIAN TR TILITIES, DRAIN
JJ)	THE TEMPORARY DR VAUGHN & MELTON	AINAGE DESIG CONSULTING F	N SHOWN IRM. CON	ON THESE PL	ANS WAS PROVIDE ORD, PE.

; PM 00BB_tc_TMPOIBB Notes.dg cPNIANCett

LOCAL NOTES

AT ALL THER A	LN-1	PLACE TMA AS NEEDED TO PROTECT MOTORIST FROM UNFINISHED GUARDRAIL OR PCB INSTALLATION. (MAXIMUM 72 HOURS))	THE GENERA PROCESS:
ARY FROM ESS	LN-2	COORDINATE ALL CONSTRUCTION ACTIVITIES INCLUDING BUT NO LIMITED TO PAVEMENT MARKING, LANE SHIFTS, PCB INSTALLAT LANE CLOSURES, DRUM PLACEMENT AND PAVING WITH I-4400C.)T FION,	WB SHOULDE MEDIAN, SH EB TO OUTE EB TRAFFI(COMPLETE N
T FROM	LN-3	TWO WEEKS PRIOR TO SHORT DURATION ROAD CLOSURE, PLACE CMS BOARDS (FOR EACH DIRECTION) AT CLOSURE POINT NOTIFYING THE PUBLIC OF SCHEDULED CLOSURES AND DELAYS. DURING CLOSURES, RELOCATE CMS BOARDS AND REVISE MESSAGE TO INDICATE DURATION OF OPERATION.	Ē	DIVIDED IN SPECIAL CH * TEMPORAF TANGENT) * WB SHOUL
	LN-4	UTILIZE ADDITIONAL CMS BOARDS TO PROVIDE ADVANCE WARNING AS DIRECTED BY THE ENGINEER.		(AND ONL LEAST FL
AN RADII, ES ARE N 1180 N IN N I-26,	LN-5	 THE FOLLOWING APPLIES TO ALL TEMPORARY LANE CLOSURES ON I-26: 1. REFER TO THE HIGH VISIBILITY DEVICES SPECIAL PROVISI FOR DRUMS AND PORTABLE WORK ZONE SIGNS. 2. REFER TO THE CONNECTED LANE CLOSURE DEVICE SPECIAL PROVISION FOR THE PURPOSE OF TRANSMITTING THE LOCATI OF THE LANE CLOSURE TO NAVIGATION COMPANIES. 3. REFER TO THE SEQUENCIAL FLASHING WARNING LIGHTS SPEC PROVISION FOR DRUMS USED IN MERGING TAPERS. 4. REFER TO THE WORK ZONE PRESENCE LIGHTING SPECIAL PRO TO SUPPLEMENT CONSTRUCTION/TASK AND EQUIPMENT LIGHT 	IONS ION DIAL DVISION ING.	PHASE I IN SHOULDER (WB BRIDGE BRIDGES FC ARE CONSTR REMOVED. ONCE THE C TO THE RIC MEDIAN TEM LANES INCL TRAFFIC IS
HED, OF	LN-6	CONSIDER FUTURE USE OF TEMPORARY PAVEMENT: 1. IF TEMPORARY ELEVATION IS ABOVE PERMANENT, THEN CONS PERMANENT AND WEDGE TO TEMPORARY ELEVATION. 2. IF TEMPORARY ELEVATION IS BELOW PERMANENT INTERMEDIA	STRUCT	US 64) IS WEIGH STAT PHASE II J OVER CLEAF
ΙΕΝ Υ		COURSE, THEN USE TEMPORARY PAVEMENT STRUCTURE. 3. IF TEMPORARY ELEVATION IS ABOVE BETWEEN 1 & 2, THEN VARIABLE CROSS SLOPE TO TIE TO BINDER COURSE OR FIRS LAYER OF SURFACE COURSE AS DESIRED.	USE ST	TEMPORARY STAGE III NEW PAVEME
	LN-7	INSTALL ITS POLES, CAMERAS, AND DMS ACCORDING TO ITS PLANS.		REMAINDER PAVEMENT]
KERS ON	LN-8	PARTIALLY CONSTRUCT DRAINAGE STRUCTURE WITH STEEL PLATE TO MATCH TEMPORARY PAVEMENT OR TEMPORARY GRADING ELEVAT	E FION.	DURING PHA THE PROPOS CONSTRUCT
	LN-9	PARTIALLY CONSTRUCT DRAINAGE STRUCTURE WITH TEMPORARY GRATE TOP TO MATCH TEMPORARY DITCH OR PAVEMENT ELEVATIO	DN .	PHASE V SH BARRIER TH
ED ED	LN-10	EXTEND PIPE TO DRAIN.		MEDIAN INC TRAFFIC SH
ED	LN-11	USE STEEL PLATE ON END OF PIPE STUB OR USE STEEL PLATE TO BLOCK PIPE OPENING IN STRUCTURE.		FINAL MARK
	LN-12	CONSTRUCT TEMPORARY INLET AND PIPE. CONNECT AND DRAIN TO NEAREST STRUCTURE.		
NITIAL	LN-13	JACK & BORE PIPE INSTALLATION OR INSTALL IN SECTIONS UNDER TRAFFIC CONTROL.		
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ARKERS				
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MANAGEMENT	I-4400BB	TMP-1C
STRATEGIES		

AL OVERVIEW OF THE ENTIRE PROJECT IS SUMMARIZED BY THE FOLLOWING REPLACE OVERHEAD BRIDGES, PLACE TEMPORARY WIDENING ALONG OUTSIDE DER, SHIFT WB TRAFFIC OUT AND PLACE TEMPORARY WIDENING ALONG SHIFT EB TRAFFIC TO TEMPORARY PAVEMENT, CONSTRUCT EB LANES, SHIFT TERMOST EB LANES AND WB TO TEMPORARY MEDIAN PAVEMENT (PREVIOUSLY CC), CONSTRUCT EB LANES, SHIFT WB TRAFFIC TO OUTERMOST LANES AND MEDIAN CONSTRUCTION. TO COMPLETE THIS WORK, THE PROJECT HAS BEEN TO 5 PHASES.

HARACTERISTICS OF THE PROJECT INCLUDE: RY CROWN OF MEDIAN PAVEMENT INCLUDING PROPOSED BRIDGES (ON) THAT WILL NEED TO BE MILLED TO FINAL GRADE DURING PHASE IV. LDERS CONSTRUCTED DURING PHASE I MAY BE RETAINED AS PERMANENT IF LY IF) WHAT REMAINS AFTER MILLED OR WEDGED TO FINAL GRADE IS AT ULL DEPTH SHOULDER PAVEMENT.

NCLUDES CONSTRUCTING THE WB TEMPORARY PAVEMENT ALONG THE OUTSIDE (BEHIND BARRIER) INCLUDING PARTIAL CONSTRUCTION OF THE PROPOSED OVER CLEAR CREEK. DURING THIS PHASE, THE PROPOSED Y-LINES AND OR Y2 (CLEAR CREEK RD), Y5 (BROOKSIDE CAMP RD) AND Y7 (NAPLES RD) RUCTED, TRAFFIC SHIFTED TO NEW ALIGNMENT AND EXISTING BRIDGES SHORING IS NEEDED TO CONSTRUCT BRIDGES, ABUTMENTS AND FOOTINGS.

OUTSIDE SHOULDER CONSTRUCTION IS COMPLETED, WB TRAFFIC IS SHIFTED GHT IN 11' LANES. WB WEIGH STATION IS CLOSED. AT THIS TIME THE MPORARY PAVEMENT CONSTRUCTED IN PREPARATION OF RECIEVING THE EB LUDING THE REMAINDER OF THE BRIDGE OVER CLEAR CREEK. AS THE EB S SHIFTED TO THE TEMPORARY MEDIAN PATTERN (PHASE II), Y1RPA (TO CLOSED TO TRAFFIC AND RECONSTRUCTED USING AN OFFSITE DETOUR. EB TION IS CLOSED.

INCLUDES CONSTRUCTION OF THE EB LANES INCLUDING THE EB BRIDGE R CREEK. STAGED CONSTRUCTION OF Y1RPA IS REQUIRED INCLUDING AN ON-SITE DETOUR.

E BEGINS WITH THE EB LANES SHIFTED TO THE OUTERMOST LANES OF THE MENT. REDUCED SHOULDERS ARE REQUIRED UNDER THE BRIDGES. THE OF THE EB LANES ARE CONSTRUCTED WITH ADDITIONAL TEMPORARY IN PREPARATION OF RECIEVING THE WB LANES. OPEN EB WEIGH STATION.

ASE IV, WB TRAFFIC IS SHIFTED TO TEMPORARY MEDIAN PATTERN WHILE SED WB LANES ARE CONSTRUCTED. Y1RPD REQUIRES CLOSINGS TO AND AGAIN TO SHIFT.

HIFTS WB TRAFFIC TO THE PROPOSED OUTERMOST WB LANES AND BEHIND HE TEMPORARY MEDIAN PAVEMENT IS REMOVED / MILLED AND THE PROPOSED CLUDING PERMANENT BARRIER IS CONSTRUCTED. USING LANE CLOSURES AND HIFTS, THE NEW CONCRETE PAVEMENT IS TO BE DIAMOND GROUND AND KINGS APPLIED.



TRANSPORTATION MANAGEMENT PLAN

GENERAL NOTES, LOCAL NOTES & MANAGEMENT STRATEGIES



	MINIM	UM REQUI	RED CI	LEAR DI	STANC	E, inches	5	
Barrier	Pavement	Offset *		Design Speed, mph				
Туре	Type	ft	<30	31-40	41-50	51-60	61-70	71-80
		<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
	risphart	32-38	30	34	38	41	43	46
B		38-44	31	34	41	43	45	48
PC		44-50	31	35	41	43	46	49
d l		50-56	32	36	42	44	47	50
re		>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	Concrete	14-20	22	22	24	26	28	31
N		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



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FIGURE B



TRANSPORTATION MANAGEMENT PLAN

PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS



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SHORING NOTES

TEMPORARY SHORING NO. $\langle 3 \rangle$

	SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.
WALL 0+70±,	TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT INSTALLATION FROM STATION -L- $438+69\pm$, $10'\pm$ LT TO STATION -L- $439+50\pm$, $10'\pm$ LT.
	DEFORE DECININING TEMPORARY CHORING DECICIL OR CONCTRUCTION

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

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY

DESIGN TEMPORARY SHORING FROM STATION -L- 438+69±, 10'± LT TO STATION -L- 439+50±. 10'± LT. FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND **GROUNDWATER ELÉVATION:**

UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$ FRICTION ANGLE $\varphi = 30 \text{ DEGREES}$ COHESION c = 0 LB/SF

GROUNDWATER ELEVATION = $2110 \text{ FT} \pm$

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 438+69±, 10'± LT TO STATION -L-439+50±, 10'± LT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 438+69±, 10'± LT TO STATION -L-439+50±, 10'± LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDÁRD TEMPORARY WALLS.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -L- 438+69±, 10'± LT TO STATION -L-439+50±, 10'± LT FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

TEMPORARY SHORING NO. $\langle 4 \rangle$

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

TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT INSTALLATION FROM STATION -L- $438+69\pm$, $10^{+}\pm$ RT TO STATION -L- $439+50\pm$, $10^{+}\pm$ RT.

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 -L- 438+69±, 10'± RT TO STATION -L- 439+50±, 10'± RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND **GROUNDWATER ELÉVATION:**

UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$ FRICTION ANGLE $\varphi = 30 \text{ DEGREES}$ COHESION c = 0 LB/SF GROUNDWATER ELEVATION = $2110 \text{ FT} \pm$

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 438+69±, 10'± RT TO STATION -L-439+50±, 10'± RT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 438+69±, 10'± RT TO STATION -L-439+50±, 10'± RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDÁRD TEMPORARY WALLS.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -L- 438+69±, 10'± RT TO STATION -L-439+50±, 10'± RT FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

DESIGN TEMPORARY SHORING FROM STATION -L- 439+50±, 10'± LT/RT TO STATION -L- 439+50±, 10'± LT/RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 439+50±, 10'± LT/RT TO STATION -L- 439+50±, 10'± LT/RT.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 439+50±, 10'± LT/RT TO STATION -L-439+50±, 10'± LT/RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDÁRD TEMPORARY WALLS.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH SEALED DOCUMENTS FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENTS WERE SUBMITTED TO DIVISON 14 ON MAY 30, 2019 BY PROFESSIONAL ENGINEER SHANE C CLARK, P.E. LICENSE #029869

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APPROVED: <u>Rhonda B. Early</u>	
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TEMPORARY SHORING NO. $\langle 5 \rangle$

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

TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT INSTALLATION FROM STATION -L- 439+50±. 10'± LT/RT TO STATION -L- 439+50±, 10'± LT/RT.

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

FRICTION ANGLE $\phi = 30$ DEGREES

COHESION c = 0 LB/SFGROUNDWATER ELEVATION = $2100 \text{ FT} \pm$

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 439+50±, 10'± LT/RT TO STATION -L-439+50±, 10'± LT/RT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -L- 438+69±, 10'± LT/RT TO STATION -L-439+50±, 10'± LT/RT FOR TEMPORARY SOIL NAIL WÁLLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

TEMPORARY SHORING NO. $\langle 6 \rangle$

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

TEMPORARY SHORING IS REOUIRED FOR THE BRIDGE BENT INSTALLATION AND WALL INSTALLATION FROM STATION -Y5- 18+09+/-, 37.0'+/- TO STATION -Y5-18+57+/-, 39.0+/- LT.

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 -Y5- 18+09+/-, 37.0'+/- TO STATION -Y5- 18+57+/-, 39.0+/- LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$

FRICTION ANGLE $\phi = 30$ DEGREES COHESION c = 0 LB/SF

GROUNDWATER ELEVATION = $2075 \text{ FT} \pm$

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -Y5- 18+09+/-, 37.0'+/- TO STATION -Y5-18+57+/-, 39.0+/- LT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y5-18+09+/-, 37.0'+/- TO STATION -Y5-18+57+/-, 39.0+/- LT.

AT THE CONTRACTOR'S OPTION. USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y5- 18+09+/-, 37.0'+/- TO STATION -Y5-18+57+/-, 39.0+/- LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDÁRD TEMPORARY WALLS.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -Y5- 18+09+/-, 37.0'+/- TO STATION -Y5-18+57+/-, 39.0+/- LT FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WÁLLS PROVISION.



TRANSPORTATION MANAGEMENT PLAN

TEMPORARY SHORING DATA

TEMPORARY SHORING NO. $\langle 7 \rangle$ FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION. TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT AND WALL INSTALLATION FROM STATION -Y5- 20+03+/-, 39.0'+/- LT TO STATION -Y5-20+55+/-, 37.0+/- LT. 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 -Y5- 20+03+/-, 39.0'+/- LT TO STATION -Y5- 20+55+/-, 37.0+/- LT, FOR THE FOLLOWING ÁSSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$ FRICTION ANGLE ϕ = 30 DEGREES COHESION c = 0 LB/SFGROUNDWATER ELEVATION = 2078 FT \pm LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -Y5- 20+03+/-, 39.0'+/- LT TO STATION -Y5- 20+55+/-, 37.0+/- LT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION. DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y5-20+03+/-, 39.0'+/- LT TO STATION -Y5-20+55+/-, 37.0+/- LT. AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y5- 20+03+/-, 39.0'+/- LT TO STATION -Y5- 20+55+/-, 37.0+/- LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY WALLS. IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -Y5- 20+03+/-, 39.0'+/- LT TO STATION -Y5- 20+55+/-, 37.0+/- LT FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

TEMPORARY SHORING NO. $\langle 8 \rangle$

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

TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT INSTALLATION FROM STATION -L- 539+52±, 10.0'± LT TO STATION -L- 540+42±, 10.0'± LT.

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 -L- 539+52±, 10.0'± LT TO STATION -L- 540+42±, $10.0'\pm$ LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GRÓUNDWATER ELEVATION:

UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$ FRICTION ANGLE $\varphi = 30 \text{ DEGREES}$ COHESION c = 0 LB/SFGROUNDWATER ELEVATION = $2078 \text{ FT} \pm$

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 539+52±, 10.0'± LT TO STATION -L-540+42±, 10.0'± LT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 539+52±, 10.0'± LT TO STATION -L-540+42±, 10.0'± LT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPOŔARY SHORING.

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SHORING NOTES

TEMPORARY SHORING NO. $\langle 9 \rangle$

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

TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT INSTALLATION FROM STATION -L- 539+52±, 10.0'± RT TO STATION -L- 540+42±, 10.0'± RT.

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 -L- 539+52±, 10.0'± RT TO STATION -L- 540+42±, 10.0'± RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$

FRICTION ANGLE ϕ = 30 DEGREES

COHESION c = 0 LB/SFGROUNDWATER ELEVATION = $2078 \text{ FT} \pm$

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 539+52±, 10.0'± RT TO STATION -L-540+42±, 10.0'± RT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 539+52±, 10.0'± RT TO STATION -L-540+42±, 10.0'± RT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

TEMPORARY SHORING NO. $\langle 10 \rangle$

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

TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT AND WALL INSTALLATION FROM STATION -Y7- 15+45+/-, 38.0'+/- LT TO STATION -Y7-15+93+/-, 43.0+/- LT.

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 -Y7- 15+45+/-, 38.0'+/- LT TO STATION -Y7- 15+93+/-, 43.0+/- LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$ FRICTION ANGLE $\phi = 30$ DEGREES COHESION c = 0 LB/SF

GROUNDWATER ELEVATION = 2128 FT \pm

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -Y7- 15+45+/-, 38.0'+/- LT TO STATION -Y7- 15+93+/-, 43.0+/- LT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y7-15+45+/-, 38.0'+/- LT TO STATION -Y7-15+93+/-, 43.0+/- LT.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y7- 15+45+/-, 38.0'+/- LT TO STATION -Y7- 15+93+/-, 43.0+/- LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY WALLS.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -Y7- 15+45+/-, 38.0'+/- LT TO STATION -Y7- 15+93+/-, 43.0+/- LT FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH SEALED DOCUMENTS FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENTS WERE SUBMITTED TO DIVISON 14 ON MAY 30, 2019 BY PROFESSIONAL ENGINEER SHANE C CLARK, P.E. LICENSE #029869

Rhonda B. Early **APPROVED:** 9/3/2019 DATE **DOCUMENT NOT CONSIDERED FINAL**

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LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -Y7- 17+62+/-, 45.0'+/- LT TO STATION -Y7- 18+35+/-, 57.0+/- LT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

-Y7-17+62+/-, 45.0'+/- LT TO STATION -Y7-18+35+/-, 57.0+/- LT. AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y7- 17+62+/-, 45.0'+/- LT TO STATION -Y7- 18+35+/-, 57.0+/- LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY WALLS.

DESIGN TEMPORARY SHORING FROM STATION -L- 638+71±, 10.0'± LT TO STATION -L- 639+77±, 10.0'± LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GRÓUNDWATER ELEVATION:

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 638+71±, 10.0'± LT TO STATION -L-639+77±, 10.0'± LT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

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TEMPORARY SHORING NO.

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

TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT AND WALL INSTALLATION FROM STATION -Y7- 17+62+/-, 45.0'+/- LT TO STATION -Y7-18+35+/-, 57.0+/- LT.

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 -Y7- 17+62+/-, 45.0'+/- LT TO STATION -Y7- 18+35+/-, 57.0+/- LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$ FRICTION ANGLE $\phi = 30 \text{ DEGREES}$

COHESION c = 0 LB/SFGROUNDWATER ELEVATION = 2148 FT \pm

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -Y7- 17+62+/-, 45.0'+/- LT TO STATION -Y7- 18+35+/-, 57.0+/- LT FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

TEMPORARY SHORING NO.

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

TEMPORARY SHORING IS REOUIRED FOR THE BRIDGE BENT INSTALLATION FROM STATION -L- 638+71±, 10.0'± LT TO STATION -L- 639+77±, 10.0'± LT.

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

UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$ FRICTION ANGLE $\varphi = 30 \text{ DEGREES}$ COHESION c = 0 LB/SF

GROUNDWATER ELEVATION = 2108 FT \pm

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 638+71±, 10.0'± LT TO STATION -L-639+77±, 10.0'± LT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.



TRANSPORTATION MANAGEMENT PLAN

SHORING NOTES **TEMPORARY SHORING** DATA

TEMPORARY SHORING NO.

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

TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT AND WALL INSTALLATION FROM STATION -L- 638+71+/-, 10.0'+/- RT TO STATION -L-639+77+/-, 10.0+/- RT.

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 -L- 638+71+/-, 10.0'+/- RT TO STATION -L- 639+77+/-, 10.0+/- RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT $\gamma = 120$ LB/CF FRICTION ANGLE $\varphi = 30$ DEGREES COHESION c = 0 LB/SF GROUNDWATER ELEVATION = $2107 \text{ FT} \pm$

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 638+71+/-, 10.0'+/- RT TO STATION -L-639+77+/-, 10.0+/- RT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 638+71+/-, 10.0'+/- RT TO STATION -L-639+77+/-, 10.0+/- RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY WALLS.

TEMPORARY SHORING NO.

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

TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT AND WALL INSTALLATION FROM STATION -L- 420+30+/-, 37.0'+/- RT TO STATION -L-420+83+/-, 37.0+/- RT.

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 -L- 420+30+/-, 37.0'+/- RT TO STATION -L- 420+83+/-, 37.0+/- RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$ FRICTION ANGLE $\varphi = 30 \text{ DEGREES}$ COHESION c = 0 LB/SF

GROUNDWATER ELEVATION = $2070 \text{ FT} \pm$

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 420+30+/-. 37.0'+/- RT TO STATION -L-420+83+/-, 37.0+/- RT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 420+30+/-, 37.0'+/- RT TO STATION -L-420+83+/-, 37.0+/- RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY WALLS.

SHORING NOTES



TEMPORARY SHORING NO. (15)

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

TEMPORARY SHORING IS REQUIRED FOR THE BRIDGE BENT AND WALL INSTALLATION FROM STATION -L- 422+70+/-, 37.0'+/- RT TO STATION -L-423+14+/-, 37.0+/- RT.

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 -L- 422+70+/-, 37.0'+/- RT TO STATION -L- 423+14+/-, 37.0+/- RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$ FRICTION ANGLE $\varphi = 30$ DEGREES

COHESION c = 0 LB/SF

GROUNDWATER ELEVATION = 2070 FT \pm

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 422+70+/-, 37.0'+/- RT TO STATION -L-423+14+/-, 37.0+/- RT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STÁTION -L- 422+70+/-, 37.0'+/- RT TO STATION -L-423+14+/-, 37.0+/- RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY WALLS.

TEMPORARY SHORING NO. (16)

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

TEMPORARY SHORING IS REQUIRED FOR THE ROADWAY CONSTRUCTION FROM STATION -L- 420+31±, 0.0'± RT/LT TO STATION -L- 420+60±, 0.0'± RT/LT.

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 -L- 420+31±, 0.0'± RT/LT TO STATION -L- 420+60±, 0.0'± RT/LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT $\gamma = 120 \text{ LB/CF}$ FRICTION ANGLE $\varphi = 30 \text{ DEGREES}$

COHESION c = 0 LB/SF

GROUNDWATER ELEVATION = $2070 \text{ FT} \pm$

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 420+31±, 0.0'± RT/LT TO STATION -L-420+60±, 0.0'± RT/LT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 420+31±, 0.0'± RT/LT TO STATION -L-420+60±, 0.0'± RT/LT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

	ALL
DATE:	
ç	F34CAF5AC6BF48A
APPROVED:	Rhonda B. Early
	DocuSigned by:

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH SEALED DOCUMENTS FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENTS WERE SUBMITTED TO DIVISON 14 ON MAY 30, 2019 BY PROFESSIONAL ENGINEER SHANE C CLARK, P.E. LICENSE #029869

HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION. TEMPORARY SHORING IS REQUIRED FOR THE ROADWAY CONSTRUCTION FROM STATION -L- 422+90±, 0.0'± RT/LT TO STATION -L- 423+20±, 0.0'± RT/LT.

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 -L- 422+90±, 0.0'± RT/LT TO STATION -L- $423+20\pm$, $0.0'\pm$ RT/LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT $\gamma = 120$ LB/CF

AT THE CONTRACTOR'S OPTION. USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 422+90±. 0.0'± RT/LT TO STATION -L-423+20±, 0.0'± RT/LT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

PROJ. REFERENCE NO.	SHEET NO.
I-4400BB	TMP-2A.2

TEMPORARY SHORING NO.

FRICTION ANGLE ϕ = 30 DEGREES COHESION c = 0 LB/SF

GROUNDWATER ELEVATION = $2070 \text{ FT} \pm$

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 422+90±, 0.0'± RT/LT TO STATION -L-423+20±, 0.0'± RT/LT, THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.



TRANSPORTATION MANAGEMENT PLAN



SIGN NUMBEF Type	t: SP	-1		BAC	CKG CO DPY Co	LOR:	White Black				DESIG Projec	N BY: T ID:	TRT I-4400				CHECH	ED BY	: ADI : 14	к				DAT	TE: I	March 20
QUANTITY	′ : X			SYMBO	L		K Y	WI	D H.	T																
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OTAL AREA:	20.0) Sq.F	t. 🗆												-	Ţ			•				. ,,			
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LETTER P	0SITI0 S 7.6	DNS T 6.8	A 9.1	Y 8.6	8			ette	r s	paci	ing's	are	to st	art	of	next	1e	tter								Series/S Text Ler D 200 32.1
LETTER P	S 7.6	T 6.8 N	A 9.1	Y 8.6	8			ette	r s	paci	ing's	are	to st	art	of	next	1 e ⁻	tter								Series/S Text Len D 200 32.1 D 200
LETTER P	S 7.6	T 6.8 N 6.8	A 9.1 18.6	Y 8.6	8			ette	r s	paci	ing's	are	to st	art	of	next	: 1e [.]	tter								Series/S Text Len D 200 32.1 D 200 10.8
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LETTER P	S 7.6 1 4 6.8	T 6.8 N 6.8 A 10	A 9.1 18.6 N 9.2	Y 8.6 E 6.2	8			ette		paci	ing's		to st	art	of	next	: 1e ⁻	tter								Series/S Text Len D 200 32.1 D 200 10.8 D 200 32.2
LETTER P	S 7.6 1 4 L 6.8	T 6.8 N 6.8 A 10	A 9.1 18.6 N 9.2	Y 8.6 E 6.2	8 7.9			ette		paci	ing's	are	to st	art	of	next	: 1e ⁻	tter								Series/S Text Len D 200 32.1 D 200 10.8 D 200 32.2
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LETTER P	S 7.6 1 4 6.8	T 6.8 N 6.8 A 10	A 9.1 18.6 N 9.2	Y 8.6 E 6.2	8 7.9 7.9						Lng's	are			of			tter								Series/S Text Len D 200 32.1 D 200 10.8 D 200 32.2
LETTER P	OSITIO	T 6.8 N 6.8 10	A 9.1 18.6 N 9.2	Y 8.6 E 6.2	8 7.9						ing's	are	to st		of			tter								Series/S Text Len D 200 32.1 D 200 10.8 D 200 32.2
LETTER P	S 7.6 1 4 6.8	T 6.8 N 6.8 A 10	A 9.1 18.6 N 9.2	Y 8.6 E 6.2	8 7.9 7.9 ed: 6	5/2/20					ing's		to st		of	next										Series/S Text Len D 200 32.1 D 200 10.8 D 200 32.2
LETTER P	S 7.6 1 4 6.8	T 6.8 N 6.8 A 10	A 9.1 18.6 N 9.2	Y 8.6 E 6.2	8 7.9 7.9 ed: 6						ing's	are	to st		of	next										Series/S Text Len D 200 32.1 D 200 10.8 D 200 32.2
LETTER P	S 7.6 1 4 6.8	T 6.8 N 6.8 A 10 I I	A 9.1 18.6 N 9.2	Y 8.6 6.2	8 7.9 7.9 ed: 6						ing's	are	to st		of	next										Series/S Text Len D 200 32.1 D 200 10.8 D 200 32.2
LETTER P	ositio	T 6.8 A 10	A 9.1 18.6 N 9.2	Y 8.6 6.2	8 7.9 7.9 ed: 6	6/2/20					Lng's	are	JMBE		of	next		SUF		RT						Series/S Text Len D 200 32.1 D 200 10.8 D 200 32.2
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| SIGN | | | | NUMBER | | SUPPORT | |

 | HORIZONTAI | |

 | LENGTH | (ft) | | | |
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	SIZE	(in.)	ROADWAY	OF

 | CLEARANCE* | SUPPORT | SNS HT

 | MTG HT | EMBED- | LEFT | SUPPOF | RT (ft) | CENTE
 | ER SUPPO | DRT (ft) | RIGH | T SUPPO | RT (ft) | (LF)
 | VERIFIED |
| TYPE | w x | h | STATION | SUPPORTS | SECTION | BA or S | METHOD | METHOD

 | (ft.) | SPACING | Н

 | С | MENT | S | L | LENGTH | S
 | L | LENGTH | S | L | LENGTH |
 | (mm/dd/yy) |
| B
A | 120 x
258 x | 30
90 | -L- 391+79 LT +/- | 3 | 8in x 15in | S | 1-R
N/A | N/A
N/A

 | 40.00 | 7.63 | 7.50

 | 7.00 | 6.50 | 3.00 | 17.50 | 24.00 | 4.00
 | 18.50 | 25.00 | 5.00 | 19.50 | 26.00 | 75.00
 | |
| B
A | 120 x
258 x | 30
90 | -L- 392+00 LT +/- | 3 | 8in x 15in | S | 1-R
N/A | N/A
N/A

 | 40.00 | 7.63 | 7.50

 | 7.00 | 6.50 | 3.00 | 17.50 | 24.00 | 4.00
 | 18.50 | 25.00 | 5.00 | 19.50 | 26.00 | 75.00
 | |
| B
A | 120 x
258 x | 30
90 | -L- 393+00 LT +/- | 3 | 8in x 15in | S | 1-R
N/A | N/A
N/A

 | 40.00 | 7.63 | 7.50

 | 7.00 | 6.50 | 3.00 | 17.50 | 24.00 | 4.00
 | 18.50 | 25.00 | 5.00 | 19.50 | 26.00 | 75.00
 | |
| B
A | 120 x
138 x | 30
108 | -L- 380+25 LT +/- | 2 | 8in x 15in | S | 1-R
N/A | N/A
N/A

 | 30.00 | 6.74 | 9.00

 | 7.00 | 6.50 | 3.00 | 19.00 | 25.50 | 0.00
 | 0.00 | 0.00 | 5.00 | 21.00 | 27.50 | 53.00
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| | SIGN
TYPE
B
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TYPE W X
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A 258 X | SIGN TYPE W X h B 120 X 30 A 258 X 90 B 120 X 30 A 138 X 108 | SIGN ROADWAY TYPE w x h ROADWAY B 120 x 30 -L- 391+79 LT +/- B 120 x 30 -L- 391+79 LT +/- B 120 x 30 -L- 392+00 LT +/- B 120 x 30 -L- 392+00 LT +/- B 120 x 30 -L- 393+00 LT +/- B 120 x 108 -L- 393+00 LT +/- | SIGN SIGE (in.) TYPE W X h ROADWAY
STATION NUMBER
OF
SUPPORTS B 120 X 30 -L- 391+79 LT +/- 3 B 120 X 30 -L- 391+79 LT +/- 3 B 120 X 30 -L- 392+00 LT +/- 3 B 120 X 30 -L- 393+00 LT +/- 3 B 120 X 30 -L- 393+00 LT +/- 3 B 120 X 30 1-L- 393+00 LT +/- 3 B 120 X 30 108 -L- 380+25 LT +/- 2 | SIGN NUMBER
OF
SUPPORTS BEAM
SECTION TYPE w x h ROADWAY
STATION OF
SUPPORTS BEAM
SECTION B 120 x 30
258 -L- 391+79 LT +/- 3 8in x 15in B 120 x 30
90 -L- 392+00 LT +/- 3 8in x 15in B 120 x 30
90 -L- 392+00 LT +/- 3 8in x 15in B 120 x 30
90 -L- 393+00 LT +/- 3 8in x 15in B 120 x 30
108 -L- 393+00 LT +/- 2 8in x 15in | SIGN NUMBER NUMBER BEAM SUPPORT TYPE w x h ROADWAY STATION SUPPORTS BEAM SUPPORTS SUPPORTS B 120 x 30 -L- 391+79 LT +/- 3 8in x 15in S B 120 x 30 -L- 392+00 LT +/- 3 8in x 15in S B 120 x 30 -L- 392+00 LT +/- 3 8in x 15in S B 120 x 30 -L- 393+00 LT +/- 3 8in x 15in S B 120 x 30 -L- 393+00 LT +/- 3 8in x 15in S B 120 x 30 -L- 393+00 LT +/- 3 8in x 15in S B 120 x 30 -L- 380+25 LT +/- 2 8in x 15in S | SIGN SUPPORT SUPPORT SUPPORT SUPPORT SUPPORT SUPPORT ATTACHMENT TYPE w x h ROADWAY STATION BEAM SUPPORTS SUPPORTS BEAM SUPPORT ATTACHMENT B 120 x 30 -L- 391+79 LT +/- 3 8in x 15in S 1-R B 120 x 30 -L- 392+00 LT +/- 3 8in x 15in S 1-R B 120 x 30 -L- 392+00 LT +/- 3 8in x 15in S 1-R B 120 x 30 -L- 393+00 LT +/- 3 8in x 15in S 1-R A 120 x 30 -L- 393+00 LT +/- 3 8in x 15in S 1-R A 120 x 30 -L- 380+25 LT +/- 2 8in x 15in S 1-R N/A 138 x 30 -L- 380+25 LT +/- 2 8in x 15in S 1-R </td <td>SIGNSIGNSIGNSIGNSIGNSIZE (in.)ROADWAY
STATIONNUMBER
OF
SUPPORTSSUPPORT
TYPE
BEAM
SECTIONSUPPORT
TYPE
BA or SATTACHMENT
METHODMOUNTING
METHODB
A120
258x30
90-L- 391+79 LT +/-38in x 15inS1-R
N/AN/A
N/AB
A120
258x30
90-L- 392+00 LT +/-38in x 15inS1-R
N/AN/A
N/AB
A120
258x30
90-L- 393+00 LT +/-38in x 15inS1-R
N/AN/A
N/AB
A120
138x30
108-L- 380+25 LT +/-28in x 15inS1-R
N/AN/A
N/A</td> <td>SIGNSIGNNUMBER
ROADWAYNUMBER
OF
STATIONSUPPORT
TYPESUPPORT
TYPESUPPORT
ATTACHMENT
METHODHORIZONTAL
CLEARANCE*
METHODB
A120
258x30
90-L- 391+79 LT +/-38in x 15inS1-R
N/AN/AHORIZONTAL
CLEARANCE*
(ft.)B
A120
258x30
90-L- 391+79 LT +/-38in x 15inS1-R
N/AN/A40.00B
A120
258x30
90-L- 392+00 LT +/-38in x 15inS1-R
N/AN/A
N/A40.00B
A120
258x30
90-L- 393+00 LT +/-38in x 15inS1-R
N/AN/A
N/A40.00B
A120
258x30
90-L- 393+00 LT +/-28in x 15inS1-R
N/AN/A
N/A40.00B
A120
138x30
108-L- 380+25 LT +/-28in x 15inS1-R
N/AN/A
N/A30.00</td> <td>NUMBER OF STATION NUMBER OF STATION SUPPORTS SUPPORT SECTION SUPPORT SECTION ATTACHMENT METHOD MOUNTING METHOD HORIZONTAL CLEARANCE* SUPPORT SPACING B 120 x 30 -L- 391+79 LT +/- 3 8in x 15in S 1-R N/A 40.00 7.63 B 120 x 30 -L- 392+00 LT +/- 3 8in x 15in S 1-R N/A 40.00 7.63 B 120 x 30 -L- 392+00 LT +/- 3 8in x 15in S 1-R N/A 40.00 7.63 B 120 x 30 -L- 392+00 LT +/- 3 8in x 15in S 1-R N/A 40.00 7.63 B 120 x 30 -L- 393+00 LT +/- 3 8in x 15in S 1-R N/A 40.00 7.63 B 120 x 30 6.74 3 8in x 15in S 1-R N/A 30.00 6.74 <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td> </td><td>SIGN NUMBER
SIZE (in.) NUMBER
OF
STATION NUMBER
OF
SUPPORTS SUPPORT
TYPE ATTACHMENT
METHOD HORIZONTAL
CLEARANCE*
(ft.) CLENGTH (ft) B 120
258 x 30
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NOTES:

- 1. DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE. DIMENSION "S" TO BE CONFIRMED IN THE FIELD.
- 2. FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- 3. REFER TO ROADWAY STANDARD DRAWING 903.20 FOR SUPPORT SPACING AND INSTALLATION OF GROUND MOUNTED SIGNS ON WOOD POSTS.
- 4. PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.
- 5. LOCATE SIGNS BEHIND BARRIER OR GUARDRAIL SO THAT THE POST CANNOT BE HIT BY TRAFFIC.

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TEMPORARY SIGN DESIGN

TRANSPORTATION MANAGEMENT PLAN

USE: 279.00

TOTAL 278.00

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OVERVIEWS FOR PULL-OFF AREA		
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-L - STA 614+00+/- (WB).		
SE II: -L- STA 450+00+/-, -L- STA	497+50+/-,	
STA 550+00+/-,-L- STA 600+00+/-	(EB)	
EP -L- STA 433+00+/- FROM PHASE I	FOR WB	
UUGH PHASE III)		
SE IV: -L- STA 447+50+/I- STA	500+00+/-	
STA 555+00+/-, AND -L- STA 600+00	D+/-	

TRANSPORTATION MANAGEMENT PLAN



SIGN NUMBER	: SP18267 D	•	ВАСК Сору	G COL Colo	OR: R:	C)range Black)		DESIGN PROJEC	I BY: T ID:	: W. Johnson D:			
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CHECKED BY: AIA DATE: Oct 30, 2018 DIV: 5 54" **4**.5" 4.5" ULL – OFF ↓6"D ‡6"D 4.5" AREA ‡6"D 25.5" 4.5" 1/4 MILE ‡6"D 4.5" 42.9" 5.55" Spacing Factor is 1 unless specified otherwise Series/Siz Text Lengt xt letter D 2000 42.9 D 2000 20.4 D 2000 30.8

NORTH CAROLINA D.O.T. SIGN DETAIL



DOCUMENT NOT CONSIDERE UNLESS ALL SIGNATURES CO	D FINAL MPLETED
O ALONO	SEAL 23521 CINEERAN B. EANIM
DATE:	CAROLINI ESSION
APPROVED: <u><i>Rhonda B. Carly</i></u>	
DocuSigned by:	

HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554

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SIGN NUMBER:SP12016	BACKG COL
TYPE: A	COPY COLO
QUANTITY:	SYMBOL
SIGN WIDTH: 4'-0"	
HEIGHT: 5'-0"	
TOTAL AREA: 20.0 Sq.Ft.	
BORDER TYPE: RECESSED	
RECESS: 0.75"	
WIDTH: 1.25"	
RADII: 3"	
NO. Z BARS: 2	MAT'L: 0.125" (3.
LENGTH: 40.0	

USE NOTES: 1,2

1.Legend and border(except those that are colored black) shall be direct applied Grade C sheeting. 2.Background shall be Grade C reflective sheeting.

LETTER POSITIONS

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FILENAME: No Parking Design



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Spacing Factor is 0.5 for "PARKING"

NORTH CAROLINA D.O.T. SIGN DETAIL

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HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554



TRANSPORTATION MANAGEMENT PLAN NO PARKING TOW-AWAY SPECIAL SIGN DESIGN

	PROJ. REFERENCE NO.	SHEET NO.
	I - 4400BB	TMP-2L
DATE: Mar 11, 2019		

	PHASING	PROJ. REFERENCE NO.SHEET NO.I - 4400BBTMP - 3
NOTES: 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	PHASE I (CONTINUED)(SEE TMP-4 THRU TMP-4D FOR OVERVIEWS)*** REFER TO SHEETS TMP-6 THRU TMP-30 FOR DETAILS ***	PHASE I (CONTINUED) (SEE TMP-4 THRU TMP-4D FOR OVERVIEWS) *** REFER TO SHEETS TMP-6 THRU TMP-30 FOR DETAILS ***
BY THE ENGINEER.	STEP 3: COMPLETE STEPS 3.1 THRU 3.6. (REFER TO TMP-12 THRU TMP-15.)	STEP 5: COMPLETE STEPS 5.1 THRU 5.5
MAINTAIN VEHICULAR ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.	3.1: AWAY FROM TRAFFIC, BEGIN END BENTS AND APPROACHES FOR -Y5 (SHORING #6 & #7 REQUIRED.) EXTEND EXISTING GUARDRAIL WITH TEMPORARY GUARDRAIL ALONG EB & WB OUTSIDE SHOULDERS. CONSTRUCT RETAINING WALL TO POINT	5.1: INSTALL SHORING #14 & #15 AT CLEAR CREEK BRIDGE AND BEGIN CONSTRUCTION OF -L- BRIDGE AND APPROACHES. (422+00+/-)
COMPLETE ANY PROPOSED WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE. THIS MAY REQUIRE A COMBINATION OF INSTALLATION OF PROPOSED PIPES, TEMPORARY PIPES, STEEL PLATES, AND	USING RSD 1101.02 (SHEET 4 OF 14), CONSTRUCT MEDIAN CROSSOVERS AT STA 535+25+/- AND 544+50+/-, INSTALL PCB ALONG THE MEDIAN SHOULDER OF THE	526+00+/- AND STA 588+10+/ (NOTE: RIGHT SIDE MUST BE COMPLETE BEFORE STEP 5.4.) (TMP-21)
PAVE PROPOSED CONSTRUCTION, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SUBFACE COURSE. IN ALL PHASES UNTIL STATED TO INSTALL FINAL LAYER IN THE	STA 539+00+/- TO STA 543+09+/ BEHIND BARRIER INSTALL SHORING #8 & #9 AND CONSTRUCT MEDIAN PIER. REMOVE SHORING WHEN NO LONGER NEEDED.(LN-1)	OUTSIDE RIGHT SHOULDER (WBL) FROM -L- STA 395+00+/- TO STA 650+50+/ (LN-2,6) (NOT SHOWN)
THE TERM RSD DENOTES "ROADWAY STANDARD DRAWINGS".	PLACE ROAD CLOSED SIGNS FOR SR 1645 (CAROLINA CIRCLE) AND USING FLAGGERS AS NEEDED, REMOVE EXISTING ROAD AND CONSTRUCT CULDESAC. (LN-3	5.2: USING RSD 1101.02 (SHEET 4 OF 14), INSTALL PCB ALONG THE RIGHT OUTSIDE SHOULDER (WBL) FROM -L- STA 394+50+/- TO STA 650+50+/- AS SHOWN ON SHEETS TMP-18 THRU TMP-24. (NOTE: THE AREAS BENEATH -Y2-, -Y5-
PHASE T (SEE TMP-4 THRU TMP-4D FOR OVERVIEWS)	3.2: AWAY FROM TRAFFIC CONSTRUCT -Y5- FROM STA 16+00+/- TO STA 25+00+/- INCLUDING BRIDGE. USE RSD 1101.03 (SHEET 6 OF 9) FOR I-26 NIGHT-TIME MEDIAN CROSSOVERS. (TMP-12 & TMP-13) (LN-3,4)	AND -Y7- CANNOT BE COMPLETED UNTIL THE EXISTING BRIDGES HAVE BEEN REMOVED IN STEPS 2, 3 & 4.) (LN-1,2,6)
*** REFER TO SHEETS TMP-6 THRU TMP-30 FOR DETAILS ***	USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS AS NEEDED, CONSTRUCT	5.3: BEHIND BARRIER CONSTRUCT TEMPORARY PAVEMENT TO PROPOSED EDGE OF SHOULDER LIMITS MATCHING EXISTING EDGE, ELEVATION AND SLOPE ALONG WB
STEP 1: USING RSD 1101.01 (SHEET 2 AND 3), INSTALL WORK ZONE ADVANCE WARNING SIGNS ON -L- AND ALL Y-LINES.	INSTALL AND COVER -Y5- DETOUR SIGNS AS SHOWN ON SHEETS TMP-2C & TMP-2F (TMP-2C & LN-3)	* -L- FROM STA 396+50+/- TO STA 420+23 (BRIDGE) * -L- FROM STA 423+17+/- (BRIDGE) TO STA 549+00+/- * -L- FROM STA 565+22+/- TO STA 650+50+/- (LN-2.6)
NOTE: Y-LINE BRIDGES (3) MUST BE COMPLETED AND EXISTING BRIDGES REMOVED BEFORE -L- TEMPORARY PAVEMENT CAN BE COMPLETED.	COMPLETE THE REQUIREMENTS OF PHASE I, STEPS 3.3 THRU 3.5 IN FOURTEEN (14) CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED	NOTE: * FROM -L- STA 396+50+/- TO STA 401+29+/- CONSTRUCT PROPOSED GUARDRAIL
NOTE: STEPS 2 THRU 5 MAY BE COMPLETED SIMULTANEOUSLY AND IN ANY ORDER.	DAMAGES.)	AND SHOULDER BERM GUITER. USE UNPAVED AREA BEIWEEN TEMPORARY PAVEMENT AND SHOULDER BERM GUTTER FOR TEMPORARY SLOPES. * FROM -L- STA 401+29+/- TO STA 650+50+/-, CONSTRUCT PROPOSED GUARDRAIL
STEP 2: COMPLETE STEPS 2.1 THRU 2.9. (REFER TO TMP-6 THRU TMP-9.)	3.3: USING OFFSITE DETOUR (TMP-2C & TMP-2F), UNCOVER DETOUR SIGNS AND CLOSE -Y5- & -Y6- AS SHOWN ON SHEETS TMP-14 AND TMP-15. (LN-3,4)	AND SHOULDER BERM GUTTER ALONG RIGHT SIDE. (LN-2,6) * CONSTRUCT PROPOSED WALLS ALONG RIGHT SIDE.
2.1: AWAY FROM TRAFFIC, BEGIN END BENTS AND APPROACHES FOR -Y2 (SHORING #1 & #2 REQUIRED.) (TMP-7)	3.4: SHIFT -Y5- TRAFFIC TO NEW ALIGNMENT FROM STA 25+00+/- TO STA 31+80+/- AND PLACE MARKING IN FINAL PATTERN WHERE POSSIBLE. (TMP-15)	* WHEN CONSTRUCTING PROPOSED SHOULDER, CONSTRUCT IN A MANNER TO ALLOW MILLING / WEDGING AND RESURFACING TO THE FINAL ELEVATION AND RETAIN A MINIMUM OF FULL DEPTH SHOULDER FOR THE FINAL PRODUCT. (LN-2)
-L- STA 436+50+/- AND 443+00+/-, INSTALL PCB ALONG THE MEDIAN SHOULDER OF THE EBL & WBL FROM STA 437+35+/- TO STA 442+00+/ BEHIND BARRIER INSTALL SHORING #3, #4 & #5 AND CONSTRUCT MEDIAN PIER. REMOVE MEDIAN SHORING WHEN NO LONGER NEEDED. (LN-1)	USING FLAGGERS TO MAINTAIN ACCESS, CONSTRUCT THE FOLLOWING: * -Y5- FROM STA 10+00+/- TO STA 16+00+/- (TMP-14) * -Y6- FROM STA 10+00+/- TO -Y5- (TMP-15)	5.4 CLOSE WB WEIGH STATION. USING RSD 1101.02 (SHEET 4 OF 14) AS NEEDED, CONSTRUCT TEMPORARY WIDENING OF OUTSIDE WB LANE FROM STA 549+28+/- TO STA 565+22+/
AWAY FROM TRAFFIC CONSTRUCT -Y2- FROM STA 18+50+/- TO STA 25+50+/- 2.2: INCLUDING BRIDGE. WHEN INSTALLING GIRDERS, USE RSD 1101.03 (SHEET 6 OF 9) FOR I-26 NIGHT-TIME MEDIAN CROSSOVERS. (LN-3,4)	OSING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS, COMPLETE CONSTRUCTION OF LEFT SIDE OF -Y5- FROM STA 25+00+/- TO STA 29+00+/ (TMP-15) 3.5: PLACE REMAINING PAVEMENT MARKING IN FINAL PATTERN. OPEN -Y5- & -Y6-	5.5 USING RSD 1101.02 (SHEET 4 OF 14) REMOVE PCB FROM WBL OUTSIDE SHOULDER, (STA 394+50+/- TO 650+50+/-) REVISE PAVEMENT MARKING AS SHOWN ON SHEET TMP-24 AND INSTALL PCB ALONG RIGHT AND LEFT INSIDE SHOULDERS (WBL & EBL)
USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS AS NEEDED, CONSTRUCT -Y2- FROM STA 27+50+/- TO STA 33+10+/ (TEMPORARY WEDGING REQUIRED.)	3.6: USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS AS NEEDED, REMOVE ABANDONED -Y5 (TMP-14 & TMP-15)	CLOSE WEIGH STATION AND PLACE PAVEMENT MARKING IN TEMPORARY PATTERN ON WE FROM -L- STA 396+29+/- TO STA 432+47+/- AND SHIFT TRAFFIC TO NEW PATTERN.
INSTALL AND COVER -Y2- DETOUR SIGNS AS SHOWN ON SHEETS TMP-2D. (LN-3) USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS, CONSTRUCT TEMPORARY	USING RSD 1101.03 (SHEET 6 OF 9) FOR NIGHT-TIME MEDIAN CROSSOVERS, REMOVE ORIGINAL -Y5- BRIDGE. COMPLETE -Y5- BRIDGE ABUTMENTS AND	(TMP-26 THRU TMP-29) STEP 6: PLACE YELLOW EDGELINE ALONG INSIDE WBL PROVIDING AN 11' INSIDE LANE
PROPOSED -Y3- ALIGNMENT. (TMP-6)	STEP 4: COMPLETE STEPS 4.1 THRU 4.5.	USING RSD 1101.02 (SHEET 4 OF 14), PLACE PCB ALONG INSIDE SHOULDER OF
COMPLETE THE REQUIREMENTS OF PHASE I, STEPS 2.3 THRU 2.8 IN TWENTY-ONE (21) CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)	4.1: INSTALL TEMP GUARDRAIL ALONG OUTSIDE SHOULDER OF WBL FROM -L- STA 634+48+/- TO EXISTING GUARDRAIL (638+85+/-). BEGIN END BENTS AND APPROACHES FOR -Y7- (SHORING #10 & #11 REQUIRED). (TMP-16 & TMP-17)	WBL AND EBL AS SHOWN ON SHEETS TMP-4 THRU TMP-4D AND TMP-25 THRU TMP-30. ADJUST YELLOW EDGELINE ALONG EBL AS NEEDED TO MAINTAIN A MINIMUM 11' LANE AND 2' BUFFER TO PCB. (LN-1,2)
USING OFFSITE DETOUR (TMP-2D), UNCOVER DETOUR SIGNS AND CLOSE -Y2- 2.3: AS SHOWN ON SHEET TMP-9. (LN-3,4)	USING RSD 1101.02 (SHEET 4 OF 14), CONSTRUCT MEDIAN CROSSOVERS AT STA 634+50+/- AND 643+75+/-, INSTALL PCB ALONG THE MEDIAN SHOULDER OF	STEP 7: REMOVE EXISTING WBL BRIDGE OVER CANE CREEK AND CONSTRUCT REMAINDER OF PROPOSED WBL BRIDGE (-L- STA 422+00+/-). (SHORING #16 & #17 REQUIRED.) SEE TMP-28 & TMP-29.
AWAY FROM TRAFFIC, CONSTRUCT -Y2- FROM STA 10+00+/- TO STA 16+00+/ 2.4: (SEE TMP-9)	FROM -L- STA 635+00+/- TO STA 641+00+/- AND ALONG THE EBL FROM -L- STA 638+00+/- TO STA 641+41+/ BEHIND BARRIER INSTALL SHORING #12 & #13 AND CONSTRUCT MEDIAN PIER. REMOVE SHORING WHEN NO LONGER NEEDED. (TMP-16 & TMP-17) (LN-1)	STEP 8: AWAY FROM TRAFFIC,CONSTRUCT THE TEMPORARY PAVEMENT IN THE FOLLOWING LOCATIONS AS SHOWN ON TMP-25 THRU TMP-30: * -DETOUB 1-
USING OFFSITE DETOUR (TMP-2E), RELOCATE -Y2- CLOSURE AS SHOWN ON 2.5: SHEETS TMP-10 AND TMP-11.	4.2: AWAY FROM TRAFFIC CONSTRUCT -Y7- FROM STA 13+90+/- TO STA 24+50+/- INCLUDING BRIDGE. USE RSD 1101.03 (SHEET 6 OF 9) FOR I-26 NIGHT-TIME	 * -L- WBL MEDIAN STA 380+44+/- TO STA 409+55+/- (MATCH EXISTING WBL EDGE AND ELEVATION) * -L- WBL STA 417+50+/- TO STA 420+28+/- (TRANSITION GRADE FROM EXISTING
USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS, CONSTRUCT TEMPORARY 2.6: (STONE) ACCESS FOR -Y3- TO -Y2- (PROPOSED). CONTINUE TO ADJUST GRADE AS NEEDED TO MAINTAIN ACCESS DURING STEP 2.7.	MEDIAN CROSSOVERS. (TMP-16 & TMP-17) (LN-3,4) USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS AS NEEDED, CONSTRUCT	TO NEW BRIDGE) * -L- WBL STA 423+26+/- TO STA 425+00+/- (TRANSITION GRADE FROM NEW BRIDGE TO EXISTING)
AWAY FROM TRAFFIC, CONSTRUCT THE FOLLOWING: 2.7: * -Y2- FROM STA 16+82+/- TO STA 18+50+/- (TMP-10) * -Y2- FROM STA 25+50+/- TO STA 28+72+/- (TMP-11) * -Y4- FROM STA 10+00+/- TO -Y2- (TMP-11)	* -Y7- FROM STA 10+00+/- TO STA 13+90+/- * -Y7- FROM STA 24+50+/- TO STA 30+43+/(TEMPORARY WEDGING REQUIRED) * -Y8- FROM -Y7- TO STA 11+53+/-	* -L- WBL MEDIAN STA 425+00+/- TO STA 640+60+/- (MATCH EXISTING EDGE AND ELEVATION)
USING FLAGGERS AS NEEDED, CONSTRUCT -Y2- FROM STA 16+00+/- TO STA 16+82+/- AND -Y3	4.3: SHIFT -Y7- TRAFFIC TO NEW ALIGNMENT AND PLACE MARKING IN FINAL PATTERN PROVIDE TEMPORARY ACCESS USING CONNECTOR LEFT OF STA 21+00+/(NOT SHO	WN)
PLACE PAVEMENT MARKING IN FINAL PATTERN. OPEN -Y2-, -Y3- & -Y4- 2.8: TO TRAFFIC AND COVER / REMOVE DETOUR SIGNS. (NOT SHOWN)	4.4: USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS TO MAINTAIN ACCESS, CONSTRUCT -Y9- FROM STA 10+00+/- TO STA 13+00+/ EXISTING ROAD IS BEING UNDERCUT AND ACCESS MAY BE PROVIDED	ED: Rhonda B. Early. F34CAF5AC6BF48A. 9/3/2019 JUNIN CARONIC CARONIC STREAM MANAGEMENT PLAN
USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS AS NEEDED, REMOVE 2.9: ABANDONED -Y2 (TMP-10 & TMP-11) USING RSD 1101.03 (SHEET 6 OF 9) FOR NIGHT-TIME MEDIAN CROSSOVERS,	USING SIONE / GRAVEL DURING RECONSTRUCTION. (NOT SHOWN) USING RSD 1101.02 (SHEET 1 OF 14) AND FLAGGERS, COMPLETE CONSTRUCTION OF LEFT SIDE OF -Y7- FROM STA 11+00+/- TO STA 13+90+/- AND FROM STA 24+50+/- TO STA 27+00+/- INCLUDING	SEAL 023521 Brownell Contraction of the state of the stat
REMOVE ORIGINAL -Y2- BRIDGE. COMPLETE -Y2- BRIDGE ABUTMENTS AND REMOVE SHORING. (NOT SHOWN) (LN-3,4)	PAVEMENT REMOVAL (NOT SHOWN). 4.5: PLACE REMAINING PAVEMENT MARKING IN FINAL PATTERN. OPEN -Y7-, -Y8- & -Y9- TO TRAFFIC.(NOT SHOWN)	CUMENT NOT CONSIDERED FINAL ESS ALL SIGNATURES COMPLETED

PHΔSE T (SEE TMP-4 THRU TMP-4D FOR OVERVIE		(SEE TMP-43 THBU TMP-43D FOB OVERVI	
*** REFER TO SHEETS TMP-6 THRU TMP-30 FOR DETAILS ***	*** REFER TO SHEETS TMP-4	5 THRU TMP-56 FOR DETAILS ***	*** REFER TO SHEETS TN
STEP 9: AS MUCH AS POSSIBLE WITHOUT DISTURBING EXISTING TRAFFIC, PLACE F AND TEMPORARY PAVEMENT MARKING AS SHOWN ON SHEETS TMP-33 THRU TMP-38 IN PHASE II. (MATCH TO I-4400C PHASE II.) (LN-1,2)	PCB STEP 1: USING RSD 1101.02 DETOUR FOR -Y1RPA INSTALLATION. (LN	2 (SHEET 10 OF 14), REMOVE TEMPORARY ONSITE A- AND COMPLETE OUTSIDE SHOULDER AND GUARDRAIL A-1)	STEP 1: AWAY FROM TRAF * REMOVE TEMPC STA 380+44+/
INSTALL AND COVER -Y1RPA- DETOUR SIGNS AS SHOWN ON SHEET TMP-2G (LN-3)	USING RSD 1101.02 WBL FROM -L- STA	2 (SHEET 4 OF 14), RELOCATE AND EXTEND PCB ALON 374+25+/- TO STA 380+50+/ (LN-1)	G CONSTRUCTION REMAIN IN PL * REMOVE / MIL EBOM -L - STA
CLOSE EBL WEIGH STATION.	STEP 2: BEHIND BARRIER, C * TEMPOBARY TRANS	CONSTRUCT THE FOLLOWING: SITION GRADE FROM EXISTING WBL TO PROPOSED EDGE	PERMANENT ME
STEP 10: COMPLETE STEPS 10.1 THRU 10.3.	ELEVATION OF EE	3L FROM FROM -L- STA 374+50+/- TO STA 380+00+/- MENT MATCHING EBL EDGE AND ELEVATION FROM -L- S	STA STEP 2: USING RSD 1101
COMPLETE THE REQUIREMENTS OF PHASE I, STEPS 10.1 THRU 10.3 IN ONE (1) WEEKEND, FROM FRIDAY AT 9:00 PM TO THE FOLLOWING MONDAY AT 6:00 AM. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.)	380+00+/- TO ST STEP 3: AS MUCH AS POSSIE	TA 650+50+/ BLE AWAY FROM TRAFFIC, PLACE PCB AND TEMPORARY	PAVEMENT MARKI STA 650+50+/- TMP-75. RELOCA
	PAVEMENT MARKING	AS SHOWN IN PHASE IV. (LN-1)	STEP 3: BEHIND BARRIEP
10.1:USING OFFSITE DETOUR UNCOVER SIGNS PLACED IN PHASE I, STEP 9 CLOSE -Y1RPA- TO TRAFFIC AND BEGIN CONSTRUCTION OF PROPOSED RAMP FROM STA 13+85+/- TO STA 21+79+/ PLACE PCB AND DRUMS AT -Y1RPA AS SHOWN ON SHEFTS TMP-25 & TMP-26. (IN-1 3 4)	INSTALL AND COVER A-	R -Y1RPD- DETOUR SIGNING AS SHOWN ON TMP-2D. (L	N-3) FROM STATION 6 STEP:4 COMPLETE ASPHA
SHIFT EB LANES TO NEW PATTERN. PLACE REMAINING PAVEMENT MARKING AS SHOWN IN PHASE II.	i		PHASE V, STEP
10.2: AWAY FROM TRAFFIC, COMPLETE CONSTRUCTION OF -Y1RPA- AND CONSTRUCT	СТ		STEP 5: USING RSD 1101 AND WBL AND RE
THE FOLLOWING: * TEMPORARY PAVEMENT AT -Y1RPA- GORE FROM 12+00+/- TO 13+85+/-			(LN-1)(NOT SHO
(TMP-25 & TMP-26) * TEMPORARY PAVEMENT ALONG -L- MEDIAN FROM STA 384+37+/- TO STA 391+79+/- (TMP-33 & TMP-34)	PHASF TV	(SEE TMP-57 THRU TMP-57D FOR OVERVI	STEP 6: USING RSD 1101 EWS) FINAL PAVEMENT
10.3: USING RSD 1101.02 (SHEET 4 OF 14) AS NEEDED, PLACE, REMOVE AND	*** REFER TO SHEETS TMP-5	9 THRU TMP-71 FOR DETAILS ***	USING RSD 1101
RESET BARRIER AS SHOWN ON SHEET TMP-33 & TMP-34. PLACE TEMPORAR MARKING AND OPEN -Y1RPA- TO TRAFFIC. COVER (BUT DO NOT REMOVE) TEMPORARY DETOUR SIGNS. (LN-1)	Y COMPLETE THE REQUIREMEN WEEKEND, FROM FRIDAY AT INTERMEDIATE CONTRACT T	TS OF PHASE IV, STEPS 1 THRU 5 IN ONE (1) 9:00 PM TO THE FOLLOWING MONDAY AT 6:00 AM. (IME AND LIQUIDATED DAMAGES.)	STEPS 1 THRU 5 IN ONE (1)FINAL PAVEMENTFOLLOWING MONDAY AT 6:00 AM. (SEEUSING RSD 1101ED DAMAGES.)ETNAL PAVEMENT
	STEP 1: UNCOVER DETOUR SI -Y1RPD- TO TRAFFT	IGNING PLACED IN PHASE III, STEP 3 AND CLOSE	USING RSD 1101 AND CHANNELIZE
	STEP 2: USING RSD 1101.02 PATTERN AND COMPL	2 (SHEET 4 OF 14) AS NEEDED, SHIFT WBL TO NEW LETE TEMPORARY MARKING AND PCB PLACEMENT.(LN-1)	AND FINAL PAVE
	STEP 3: AWAY FROM TRAFFIC	C, CONSTRUCT TEMPORARY -Y1RPD (TMP-59)	
ASE II (SEE TMP-31 THRU TMP-31D FOR OVERVIEW REFER TO SHEETS TMP-33 THRU TMP-42 FOR DETAILS ***	NS) STEP 4: USING RSD 1101.02 PCB AND PLACE TEM	2 (SHEET 1 OF 14) AS NEEDED, RELOCATE AND EXTEN MPORARY MARKING FOR -Y1RPD- AS SHOWN ON SHEETS	D
1: AS MUCH AS POSSIBLE AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF	TMP-60 THRU 62. ((LN-1)	
THE FULLOWING: * -L- PROPOSED EBL AND OUTSIDE SHOULDER FROM 380+44+/- TO STA 647+00+/- AS SHOWN ON SHEETS TMP-33 THRU TMP 38 THOULDING	STEP 5: OPEN -Y1RPD- TO T	RAFFIC AND COVER (DO NOT REMOVE) DETOUR SIGNS.	
REMOVAL OF EXISTING EBL BRIDGE AND CONSTRUCTION OF PROPOSED BRIDGE OVER CANE CREEK (STA 422+00 LT).	STEP 6: AWAY FROM TRAFFIC SHEETS TMP-60 THR	; REMOVE PCB AND CONSTRUCT -L- WBL AS SHOWN ON RU TMP-68. MATCH TO I-4400C PHASE IV.) (LN-2)	
<pre>* IEMPORARY UNSILE DELOUR FOR -Y1RPA- (TMP-33) 2: DURING I-4400C PHASE IIB. STEP 4. AND BEHIND BARRIER CONSTRUCT.</pre>	STEP 7: AS MUCH AS POSSIE PAVEMENT MARKING	BLE AWAY FROM TRAFFIC, PLACE PCB AND TEMPORARY ON -L- WBL AS SHOWN IN PHASE V. (LN-1,2)	
* PROPOSED L EBL FROM STA 645+89+/- TO STA 650+50+/- (TMP-42) * L EBL MEDIAN TEMPORARY PAVEMENT FROM STA 645+54+/- TO	STEP 8: COMPLETE STEPS 8.	1 THRU 8.4 (TMP-69 & TMP 70)	
STA 650+50+/- (TMP-42) (LN-2) * -L- EBL FROM STA 643+00+/- TO STA 645+54+/- (TMP-42) 3:	COMPLETE THE REQUIREMEN (14) CALENDAR DAYS (SEE DAMAGES.)	TS OF PHASE IV, STEPS 8.1 THRU 8.4 IN FOURTEEN INTERMEDIATE CONTRACT TIME AND LIQUIDATED	
PCB AND PAVEMENT MARKING AS SHOWN IN PHASE III. USE DRUMS AT 20' SPACING TO CHANNELIZE -Y1RPA- DURING MARKING AND UNTIL TRAFFIC IS SHIFTED. (SEE SHFFTS TMP-45 THRU TMP-56)	8.1: UNCOVER DETOUR SI -Y1RPD- TO TRAFFI	IGNING PLACED IN PHASE III, STEP 3 AND CLOSE IC. (TMP-69) (LN-3,4)	
	8.2: AWAY FROM TRAFFIC * -L- WBL AND SHO * _V1PPD_	C CONSTRUCT THE FOLLOWING: DULDERS FROM STA 380+44+/- TO STA 399+70+/-	
NSECUTIVE CALENDARD DAYS. (SEE INTERMEDIATE CONTRACT TIME AND QUIDATED DAMAGES.)	8.3: AS MUCH AS POSSIE PHASE V PCB AND M	BLE AWAY FROM TRAFFIC, COMPLETE INSTALLATION OF MARKINGS. (TMP-73 THRU TMP-75) (LN-1.2)	
4: USING OFFSITE DETOUR UNCOVER SIGNS PLACED IN PHASE I, STEP 9 (TMP-2G) AND CLOSE -Y1RPA- TO TRAFFIC.	8.4: USING RSD 1101.02 TO PHASE V PATTER	2 (SHEET 4 OF 14) AS NEEDED, SHIFT WB -L- RN, OPEN -Y1RPD- TO TRAFFIC. COVER/REMOVE	
' 5: BEHIND BARRIER, CONSTRUCT REMAINDER OF -L- EBL FROM STA 382+24+/- TO STA 392+00+/ (TMP-39 & TMP-40)	DETOUR SIGNING. C	OPEN WB WEIGH STATION TO TRAFFIC. (LN-1,2)	
6: SHIFT -L- EB LANES TO PHASE III PATTERN. (SHIFT COINCIDES WITH	NUIE: MARKINGS FO OUTSIDE TWO THRU ADJACENT TO BARRI	LANES WITH TEMPORARY YELLOW EDGELINE	DocuSigned by:
I-44000 PHASE ZA, SIEP I) AND OPEN -YIKPA- TO TRAFFIC. COVER/REMO DETOUR SIGNS. USING RSD 1101.02 (SHEET 4 OF 14), INSTALL REMAIN PCB AND PAVEMENT MARKING FOR EB LANFS. OPEN FRI WEIGH STATION	ING		APPROVED: Khonda B. Early F34CAF5AC6BF48A 9/3/2019
(LN-1,2)	SIEP 9: USING RSD 1101.02 FOR PHASE V PATTE 380+44+/ (IN-1)	ERN FOR WBL AND EBL FROM 374+39+/- TO	JAIE:
			SEAL 023521
		HNTB NORTH CAROLINA, P.C.	A B. EAUIN
		Raleigh, North Carolina 27609 NC License No: C-1554	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PHASING

	PROJ. REFERENCE NO.	SHEET NO.
	I-4400BB	TMP-3A
(SEE TMP-72 THRU TM	P-72D FOR OVERVI	EWS)
SHEETS TMP-73 THRU TMP-75 FOR DETAILS ***		
FROM TRAFFIC BEGIN THE FOLLOWING: OVE TEMPORARY MEDIAN PAVEMENT FROM -L- STA 380+44+/ (ENGINEER MAY ELECT TO KEEP TH STRUCTION OF FUTURE I-4400BA AND USE PCB / AIN IN PLACE AFTER THE PROJECT IS COMPLETE OVE / MILL / WEDGE TEMPORARY MEDIAN PAVEME M -L- STA 380+44+/- TO STA 650+50+/- AND C MANENT MEDIAN BARRIER.	376+50+/- TO IS PAVEMENT FOR GUARDRAIL TO .) NT AS NEEDED ONSTRUCT	
RSD 1101.02 (SHEET 4 OF 14), REMOVE AND RI ENT MARKING ON EB LANE FROM -L- STA 643+00 50+50+/- FOR 8' SHOULDER AND 11' LANES AS SI 5. RELOCATE PCB TO PROVIDE A 2' BUFFER FOR	EPLACE +/- TO HOWN ON THE EB LANE.	
D BARRIER CONSTRUCT REMAINING -L- EB LANE STATION 645+54+/- TO STA 650+50+/ (TMP- ⁻	(CONCRETE) 75)	
ETE ASPHALT MEDIAN AND PERMANENT BARRIER B V, STEP 1.	EGUN IN	
RSD 1101.02 (SHEET 4 OF 14), REMOVE TEMPO BL AND REPLACE WITH DRUMS TO KEEP INSIDE L)(NOT SHOWN)	RARY PCB FROM EB ANES CLOSED.	L
RSD 1101.02 (SHEET 4 OF 14), DIAMOND GRIN PAVEMENT MARKING AS SHOWN IN PMP PLANS.	D - L - EBL AND PL	ACE

- RSD 1101.02 (SHEET 4 OF 14), DIAMOND GRIND -L- WBL AND PLACE PAVEMENT MARKING AS SHOWN IN PMP PLANS.
- RSD 1101.02 (SHEET 1 OF 14), PLACE FINAL LAYER OF ASPHALT AND PAVEMENT MARKINGS MARKINGS AS SHOWN IN PMP PLANS ON ALL Y-LINES.

IG RSD 1101.02 (SHEETS 9 & 10 of 14) CAP DRUMS TO NARROW LANES CHANNELIZE TRAFFIC AS NEEDED, PLACE FINAL LAYER OF SURFACE COURSE FINAL PAVEMENT MARKING AS SHOWN IN PMP PLANS ON -Y1RPA- AND -Y1RPD-.



TRANSPORTATION MANAGEMENT PLAN

PHASING





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