



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J.R. "JOEY" HOPKINS
SECRETARY

August 06, 2024

Addendum No. 1

RE: Contract # C204937

WBS # 44354.3.1

STATE FUNDED

Henderson County (U-5783)

US-64 FROM SR-1180 (BLYTHE ST) TO SR-1173 (WHITE PINE DR)/SR-1186 (DANIEL DR).

August 20, 2024 Letting

To Whom It May Concern:

Reference is made to the plans and proposal furnished to you on this project.

The following revisions have been made to the Traffic Management plans.

Sheet Nos.	Revision
TMP-1	Sheet TMP-1G added to Index of Sheets.
TMP-1A	Revised Temporary Shoring in Legend.
TMP-1E	Phase 3A & Phase 3B notes revised.
TMP-1F	Phase 4A & Phase 5A notes revised.
TMP-1G (New)	Temporary Shoring Data sheet added.
TMP-26	Added stations and offsets for Temporary Shoring.

Please void the above listed Sheets in your plans and staple the revised Sheets thereto. Staple New Sheet TMP-26 after existing Sheet TMP-25 in your plans.

The following revisions have been made to the proposal.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov

Page No.	Revision
Proposal Cover	Note added that reads “Includes Addendum No. 1 Dated 08-06-2024”.
G-6	The Project Special Provision entitled INTERMEDIATE CONTRACT TIME NUMBER 10 AND LIQUIDATED DAMAGES has been revised. Step numbers revised to match the revisions provided by Sheet TMP-1F.
G-6	The Project Special Provision entitled INTERMEDIATE CONTRACT TIME NUMBER 11 AND LIQUIDATED DAMAGES has been revised. Step numbers revised to match the revisions provided by Sheet TMP-1F.

Please void the above listed existing Pages in your proposal and staple the revised Pages thereto.

On the item sheets the following pay item revision has been made:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0010-0199000000-E SP	TEMPORARY SHORING	750 SF	720 SF

The Contractor’s bid must include this pay item revision.

The electronic bidding file has been updated to reflect this revision. Please download the Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:

 52C46046381F443...

Ronald E. Davenport, Jr., PE
 State Contract Officer

RED/cms
 Attachments

- | | |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| cc: Mr. Wiley W. Jones III, PE
Ms. Wanda H. Payne, PE
Mr. Ken Kennedy, PE
Mr. Malcolm Bell | Mr. Forrest Dungan, PE
Ms. Jaci Kincaid
Mr. Jon Weathersbee, PE
Project File (2) |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No. 1 DATED 08-06-2024

DATE AND TIME OF BID OPENING: **Aug 20, 2024 AT 02:00 PM**

CONTRACT ID C204937
WBS 44354.3.1

FEDERAL-AID NO. STATE FUNDED
COUNTY HENDERSON
T.I.P NO. U-5783
MILES 1.167
ROUTE NO. US-64
LOCATION US-64 FROM SR-1180 (BLYTHE ST) TO SR-1173 (WHITE PINE DR)/SR-1186 (DANIEL DR).

TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, AND RETAINING WALLS.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY & STRUCTURE PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

The completion date for this intermediate contract time is the date which is **ninety-five (95)** consecutive calendar days after and including the date the Contractor begins this work.

The Day and Time Restrictions contained in Intermediate Contract Time #3 will not apply to the work required by this intermediate contract time.

The liquidated damages are **Two Thousand Five Hundred Dollars (\$ 2,500.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 10 AND LIQUIDATED DAMAGES:

(2-20-07) (Rev. 6-18-13)

108

SP1 G14 H

The Contractor shall complete **all** work required of **Phase 5A, Steps #2 & #3 (-Y13- (Blythe Street))** as shown on Sheets **TMP-1F & TMP-2D** and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is the date the Contractor elects to begin the work.

The completion date for this intermediate contract time is the date which is **ninety (90)** consecutive calendar days after and including the date the Contractor begins this work.

The Day and Time Restrictions contained in Intermediate Contract Time #3 will not apply to the work required by this intermediate contract time.

The liquidated damages are **Two Thousand Five Hundred Dollars (\$ 2,500.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 11 AND LIQUIDATED DAMAGES:

(2-20-07) (Rev. 6-18-13)

108

SP1 G14 H

The Contractor shall complete **all** work required of **Phase 5A, Steps #5 & #6 (-Y9- (Westbrook Drive))** as shown on Sheets **TMP-1F & TMP-2G** and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is the date the Contractor elects to begin the work.

The completion date for this intermediate contract time is the date which is **twenty-one (21)** consecutive calendar days after and including the date the Contractor begins this work.

The Day and Time Restrictions contained in Intermediate Contract Time #3 will not apply to the work required by this intermediate contract time.

The liquidated damages are **Six Hundred Dollars (\$ 600.00)** per calendar day.

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0043000000-N	226	GRADING	Lump Sum	L.S.	
0004	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUBBING	1 ACR		
0005	0057000000-E	226	UNDERCUT EXCAVATION	1,850 CY		
0006	0134000000-E	240	DRAINAGE DITCH EXCAVATION	90 CY		
0007	0141000000-E	240	BERM DITCH CONSTRUCTION	180 LF		
0008	0195000000-E	265	SELECT GRANULAR MATERIAL	1,600 CY		
0009	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	1,700 SY		
0010	0199000000-E	SP	TEMPORARY SHORING	720 SF		
0011	0255000000-E	SP	GENERIC GRADING ITEM HAULING AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	50 TON		
0012	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	970 TON		
0013	0321000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	3,040 SY		
0014	0335100000-E	305	12" DRAINAGE PIPE	8 LF		
0015	0335200000-E	305	15" DRAINAGE PIPE	308 LF		
0016	0335300000-E	305	18" DRAINAGE PIPE	36 LF		
0017	0366000000-E	310	15" RC PIPE CULVERTS, CLASS III	5,196 LF		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	0372000000-E	310	18" RC PIPE CULVERTS, CLASS III	524 LF		
0019	0378000000-E	310	24" RC PIPE CULVERTS, CLASS III	324 LF		
0020	0384000000-E	310	30" RC PIPE CULVERTS, CLASS III	324 LF		
0021	0390000000-E	310	36" RC PIPE CULVERTS, CLASS III	112 LF		
0022	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	1,008 LF		
0023	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	624 LF		
0024	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	56 LF		
0025	0448500000-E	310	30" RC PIPE CULVERTS, CLASS IV	228 LF		
0026	0582000000-E	310	15" CS PIPE CULVERTS, 0.064" THICK	48 LF		
0027	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (15", 0.375")	154 LF		
0028	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (18", 0.375")	50 LF		
0029	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.500")	94 LF		
0030	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (15", 0.375")	154 LF		
0031	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (18", 0.375")	50 LF		
0032	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")	94 LF		
0033	0995000000-E	340	PIPE REMOVAL	3,279 LF		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0034	1099500000-E	505	SHALLOW UNDERCUT	500 CY		
0035	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	1,500 TON		
0036	1112000000-E	505	GEOTEXTILE FOR SUBGRADE STABILIZATION	1,000 SY		
0037	1220000000-E	545	INCIDENTAL STONE BASE	1,000 TON		
0038	1275000000-E	600	PRIME COAT	3,790 GAL		
0039	1330000000-E	607	INCIDENTAL MILLING	1,450 SY		
0040	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	8,850 TON		
0041	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	160 TON		
0042	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	9,150 TON		
0043	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	2,600 TON		
0044	2022000000-E	815	SUBDRAIN EXCAVATION	201.6 CY		
0045	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	900 SY		
0046	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	151.2 CY		
0047	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	900 LF		
0048	2070000000-N	815	SUBDRAIN PIPE OUTLET	2 EA		
0049	2077000000-E	815	6" OUTLET PIPE	12 LF		
0050	2190000000-N	828	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	7 EA		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0051	2209000000-E	838	ENDWALLS	2.3 CY		
0052	2253000000-E	840	PIPE COLLARS	0.846 CY		
0053	2264000000-E	840	PIPE PLUGS	0.045 CY		
0054	2275000000-E	SP	FLOWABLE FILL	9 CY		
0055	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	115 EA		
0056	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	33 LF		
0057	2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	23 EA		
0058	2367000000-N	840	FRAME WITH TWO GRATES, STD 840.29	6 EA		
0059	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	8 EA		
0060	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	30 EA		
0061	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	38 EA		
0062	2396000000-N	840	FRAME WITH COVER, STD 840.54	8 EA		
0063	2451000000-N	852	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	19 EA		
0064	2535000000-E	846	*** X *** CONCRETE CURB (8" X 12")	50 LF		
0065	2542000000-E	846	1'-6" CONCRETE CURB & GUTTER	10,180 LF		
0066	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	15,170 LF		
0067	2591000000-E	848	4" CONCRETE SIDEWALK	7,150 SY		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0068	2605000000-N	848	CONCRETE CURB RAMPS	98 EA		
0069	2612000000-E	848	6" CONCRETE DRIVEWAY	680 SY		
0070	2619000000-E	850	4" CONCRETE PAVED DITCH	10 SY		
0071	2647000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED)	1,550 SY		
0072	2738000000-E	SP	GENERIC PAVING ITEM 7" CONCRETE TRUCK APRON, CLASS AA CONCRETE	980 SY		
0073	2815000000-N	858	ADJUSTMENT OF DROP INLETS	1 EA		
0074	2830000000-N	858	ADJUSTMENT OF MANHOLES	1 EA		
0075	3030000000-E	862	STEEL BEAM GUARDRAIL	550 LF		
0076	3145000000-E	862	EXTRA LENGTH GUARDRAIL POST (** STEEL) (8')	94 EA		
0077	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT-1	1 EA		
0078	3288000000-N	862	GUARDRAIL END UNITS, TYPE TL-2	1 EA		
0079	3575000000-E	SP	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL	1,920 LF		
0080	3578000000-N	SP	GENERIC FENCING ITEM STEEL BOLLARDS	4 EA		
0081	3628000000-E	876	RIP RAP, CLASS I	75 TON		
0082	3635000000-E	876	RIP RAP, CLASS II	20 TON		
0083	3649000000-E	876	RIP RAP, CLASS B	85 TON		
0084	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	2,315 SY		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0085	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (D)	3.66 SF		
0086	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (E)	611.77 SF		
0087	4025000000-E	901	CONTRACTOR FURNISHED, TYPE *** SIGN (F)	6 SF		
0088	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	1,275 LF		
0089	4096000000-N	904	SIGN ERECTION, TYPE D	4 EA		
0090	4102000000-N	904	SIGN ERECTION, TYPE E	152 EA		
0091	4108000000-N	904	SIGN ERECTION, TYPE F	1 EA		
0092	4116100000-N	904	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)	29 EA		
0093	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	34 EA		
0094	4192000000-N	907	DISPOSAL OF SUPPORT, U-CHANNEL	32 EA		
0095	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	2,200 SF		
0096	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	650 SF		
0097	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	4 EA		
0098	4430000000-N	1130	DRUMS	120 EA		
0099	4445000000-E	1145	BARRICADES (TYPE III)	656 LF		
0100	4455000000-N	1150	FLAGGER	300 DAY		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0101	4516000000-N	1180	SKINNY DRUM	300 EA		
0102	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	44 EA		
0103	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	22,383 LF		
0104	4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	1,413 LF		
0105	4709000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	1,807 LF		
0106	4720000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	42 EA		
0107	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	113 EA		
0108	4726110000-E	1205	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	42 EA		
0109	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	49,500 LF		
0110	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	100 LF		
0111	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	50,000 LF		
0112	4870000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (24")	150 LF		
0113	4905100000-N	1253	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	532 EA		
0114	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	
0115	5319000000-E	1505	CLASS B CONCRETE FOR ENCASING UTILITY LINES	2 CY		
0116	5325200000-E	1510	2" WATER LINE	63 LF		
0117	5325600000-E	1510	6" WATER LINE	1,727 LF		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0118	5325800000-E	1510	8" WATER LINE	6,130 LF		
0119	5326200000-E	1510	12" WATER LINE	620 LF		
0120	5327000000-E	1510	20" WATER LINE	48 LF		
0121	5328000000-E	1510	30" WATER LINE	1,178 LF		
0122	5329000000-E	1510	DUCTILE IRON WATER PIPE FITTINGS	37,957 LB		
0123	5536000000-E	1515	2" VALVE	2 EA		
0124	5538000000-E	1515	4" VALVE	1 EA		
0125	5540000000-E	1515	6" VALVE	30 EA		
0126	5546000000-E	1515	8" VALVE	22 EA		
0127	5558000000-E	1515	12" VALVE	4 EA		
0128	5560000000-E	1515	30" VALVE	4 EA		
0129	5588000000-E	1515	** AIR RELEASE VALVE (1")	8 EA		
0130	5648000000-N	1515	RELOCATE WATER METER	34 EA		
0131	5649000000-N	1515	RECONNECT WATER METER	9 EA		
0132	5666000000-N	1515	FIRE HYDRANT	3 EA		
0133	5672000000-N	1515	RELOCATE FIRE HYDRANT	6 EA		
0134	5673000000-E	1515	FIRE HYDRANT LEG	63 LF		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0135	5679600000-E	1515	24" LINE STOP	2 EA		
0136	5686000000-E	1515	*** WATER SERVICE LINE (2")	15 LF		
0137	5686500000-E	1515	WATER SERVICE LINE	1,247 LF		
0138	5691300000-E	1520	8" SANITARY GRAVITY SEWER	3,177 LF		
0139	5709100000-E	1520	2" FORCE MAIN SEWER	269 LF		
0140	5709200000-E	1520	4" FORCE MAIN SEWER	403 LF		
0141	5768000000-N	1520	SANITARY SEWER CLEAN-OUT	4 EA		
0142	5768500000-E	1520	SEWER SERVICE LINE	448 LF		
0143	5769000000-E	1520	DUCTILE IRON SEWER PIPE FITTINGS	282 LB		
0144	5775000000-E	1525	4' DIA UTILITY MANHOLE	23 EA		
0145	5781000000-E	1525	UTILITY MANHOLE WALL 4' DIA	61.7 LF		
0146	5800000000-E	1530	ABANDON 6" UTILITY PIPE	2,699 LF		
0147	5801000000-E	1530	ABANDON 8" UTILITY PIPE	5,019 LF		
0148	5804000000-E	1530	ABANDON 12" UTILITY PIPE	446 LF		
0149	5813000000-E	1530	ABANDON 24" UTILITY PIPE	1,143 LF		
0150	5815500000-N	1530	REMOVE FIRE HYDRANT	2 EA		
0151	5816000000-N	1530	ABANDON UTILITY MANHOLE	3 EA		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0152	5835000000-E	1540	*** ENCASEMENT PIPE (54")	305 LF		
0153	5835600000-E	1540	12" ENCASEMENT PIPE	270 LF		
0154	5835700000-E	1540	16" ENCASEMENT PIPE	577 LF		
0155	5836000000-E	1540	24" ENCASEMENT PIPE	55 LF		
0156	5872500000-E	1550	BORE AND JACK OF *** (54")	305 LF		
0157	5882000000-N	SP	GENERIC UTILITY ITEM 24" X 20" TAPPING SLEEVE & VALVE	2 EA		
0158	5912000000-N	SP	GENERIC UTILITY ITEM 3,500 GALLON OIL WATER SEPARATOR	Lump Sum	L.S.	
0159	5918000000-N	SP	GENERIC UTILITY ITEM UTILITY COORDINATION	4,680 HR		
0160	6000000000-E	1605	TEMPORARY SILT FENCE	32,700 LF		
0161	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	950 TON		
0162	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	2,200 TON		
0163	6012000000-E	1610	SEDIMENT CONTROL STONE	2,050 TON		
0164	6015000000-E	1615	TEMPORARY MULCHING	23 ACR		
0165	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	1,100 LB		
0166	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	6.5 TON		
0167	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200 LF		
0168	6029000000-E	SP	SAFETY FENCE	1,000 LF		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0169	6030000000-E	1630	SILT EXCAVATION	5,780 CY		
0170	6036000000-E	1631	MATTING FOR EROSION CONTROL	45,000 SY		
0171	6037000000-E	1629	COIR FIBER MAT	100 SY		
0172	6042000000-E	1632	1/4" HARDWARE CLOTH	6,650 LF		
0173	6043000000-E	1644	LOW PERMEABILITY GEOTEXTILE	100 SY		
0174	6071002000-E	1642	FLOCCULANT	540 LB		
0175	6071012000-E	1642	COIR FIBER WATTLE	950 LF		
0176	6071030000-E	1640	COIR FIBER BAFFLE	300 LF		
0177	6071050000-E	1644	*** SKIMMER (2-1/2")	1 EA		
0178	6084000000-E	1660	SEEDING & MULCHING	15 ACR		
0179	6087000000-E	1660	MOWING	12 ACR		
0180	6090000000-E	1661	SEED FOR REPAIR SEEDING	250 LB		
0181	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.75 TON		
0182	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	400 LB		
0183	6108000000-E	1665	FERTILIZER TOPDRESSING	11.5 TON		
0184	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0185	6114800000-N	SP	MANUAL LITTER REMOVAL	7 MHR		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0186	6114900000-E	SP	LITTER DISPOSAL	2 TON		
0187	6117000000-N	1675	RESPONSE FOR EROSION CONTROL	100 EA		
0188	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	13 EA		
0189	7048500000-E	1705	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	8 EA		
0190	7060000000-E	1705	SIGNAL CABLE	3,610 LF		
0191	7120000000-E	1705	VEHICLE SIGNAL HEAD (12", 3 SECTION)	18 EA		
0192	7132000000-E	1705	VEHICLE SIGNAL HEAD (12", 4 SECTION)	8 EA		
0193	7144000000-E	1705	VEHICLE SIGNAL HEAD (12", 5 SECTION)	9 EA		
0194	7264000000-E	1710	MESSENGER CABLE (3/8")	665 LF		
0195	7288000000-E	1715	PAVED TRENCHING (*****) (1, 2")	20 LF		
0196	7288000000-E	1715	PAVED TRENCHING (*****) (2, 2")	100 LF		
0197	7300000000-E	1715	UNPAVED TRENCHING (*****) (1, 2")	465 LF		
0198	7300000000-E	1715	UNPAVED TRENCHING (*****) (2, 2")	20 LF		
0199	7300000000-E	1715	UNPAVED TRENCHING (*****) (3, 2")	20 LF		
0200	7301000000-E	1715	DIRECTIONAL DRILL (*****) (2, 2")	330 LF		
0201	7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	9 EA		
0202	7360000000-N	1720	WOOD POLE	7 EA		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0203	7372000000-N	1721	GUY ASSEMBLY	14 EA		
0204	7408000000-E	1722	1" RISER WITH WEATHERHEAD	2 EA		
0205	7420000000-E	1722	2" RISER WITH WEATHERHEAD	2 EA		
0206	7456100000-E	1726	LEAD-IN CABLE (14-2)	100 LF		
0207	7575142060-N	1737	MODIFY RADIO INSTALLATION	1 EA		
0208	7588000000-N	SP	METAL POLE WITH SINGLE MAST ARM	2 EA		
0209	7590000000-N	SP	METAL POLE WITH DUAL MAST ARM	1 EA		
0210	7613000000-N	SP	SOIL TEST	3 EA		
0211	7614100000-E	SP	DRILLED PIER FOUNDATION	33 CY		
0212	7631000000-N	SP	MAST ARM WITH METAL POLE DESIGN	3 EA		
0213	7636000000-N	1745	SIGN FOR SIGNALS	8 EA		
0214	7642100000-N	1743	TYPE I POST WITH FOUNDATION	8 EA		
0215	7642200000-N	1743	TYPE II PEDESTAL WITH FOUNDATION	2 EA		
0216	7684000000-N	1750	SIGNAL CABINET FOUNDATION	2 EA		
0217	7720000000-N	1751	CONTROLLER WITH CABINET (TYPE 170E, BASE MOUNTED)	2 EA		
0218	7901000000-N	1753	CABINET BASE EXTENDER	2 EA		
0219	7948000000-N	1757	TRAFFIC SIGNAL REMOVAL	2 EA		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0220	7980000000-N	SP	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM - MULTIPLE ZONES	4 EA		
0221	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR DUAL MAST ARM POLE (HUNTER GREEN)	1 EA		
0222	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR SINGLE MAST ARM POLE (HUNTER GREEN)	2 EA		
0223	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR TYPE I PUSHBUTTON POST (HUNTER GREEN)	8 EA		
0224	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR TYPE II SIGNAL PEDESTAL (HUNTER GREEN)	2 EA		
0225	7980000000-N	SP	GENERIC SIGNAL ITEM RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	4 EA		
***** BEGIN SCHEDULE AA ***** ***** (2 ALTERNATES) *****						
0226 AA1	1121000000-E	520	AGGREGATE BASE COURSE	5,820 TON		
0227 AA1	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	15,990 TON		
0228 AA1	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	1,830 TON		
*** OR ***						
0229 AA2	1121000000-E	520	AGGREGATE BASE COURSE	10,400 TON		
0230 AA2	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	14,300 TON		
0231 AA2	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	1,755 TON		
***** END SCHEDULE AA ***** WALL ITEMS						
0232	8802014000-E	SP	SOLDIER PILE RETAINING WALLS	6,160 SF		
0233	8802031000-E	455	PRECAST GRAVITY RETAINING WALLS	1,439 SF		

County: HENDERSON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0234	8847000000-E	SP	GENERIC RETAINING WALL ITEM MSE RETAINING WALL WITH CIP CONCRETE FACE	5,585 SF		

0848/Aug02/Q467378.871/D1013750491060/E234

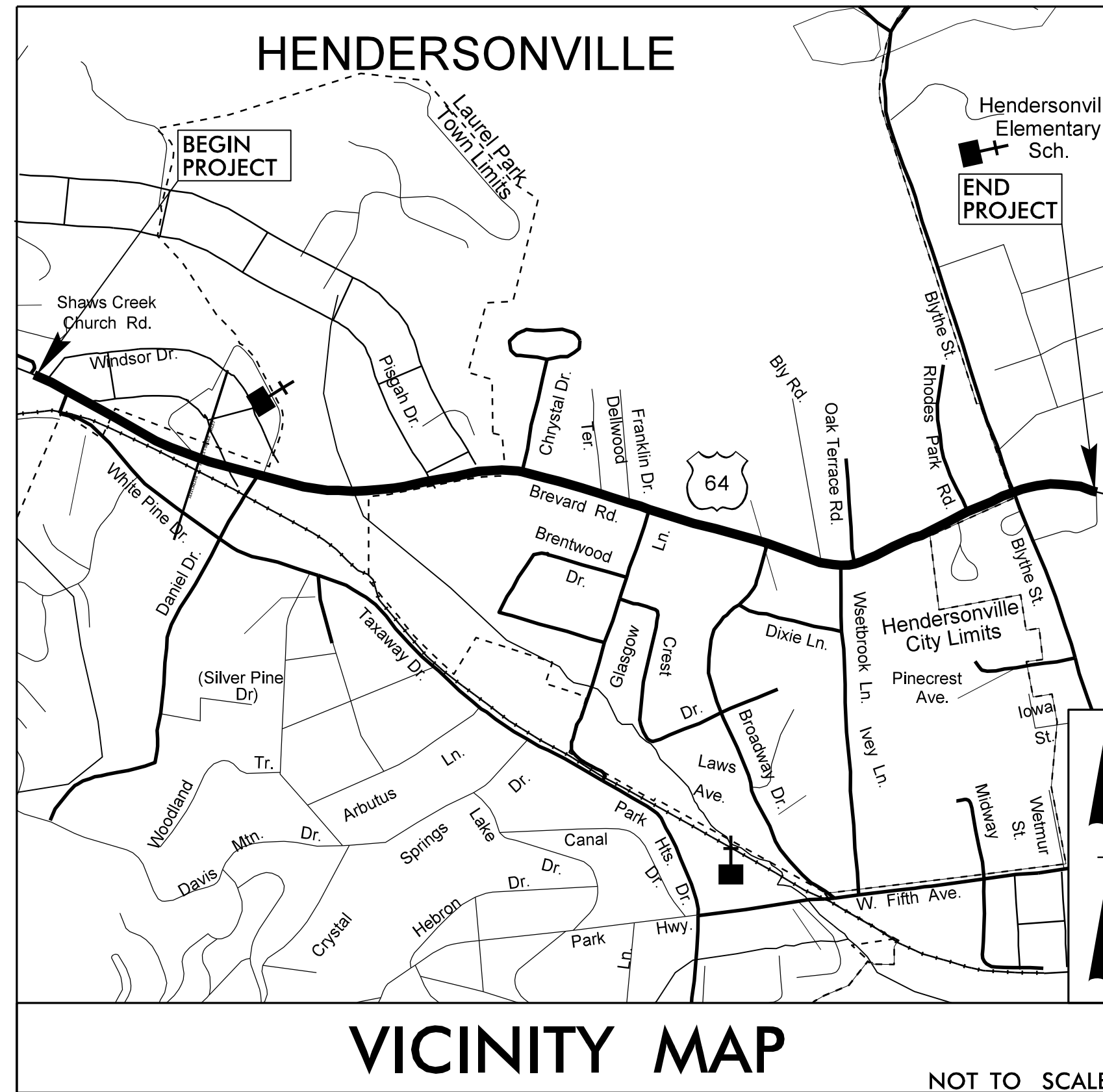
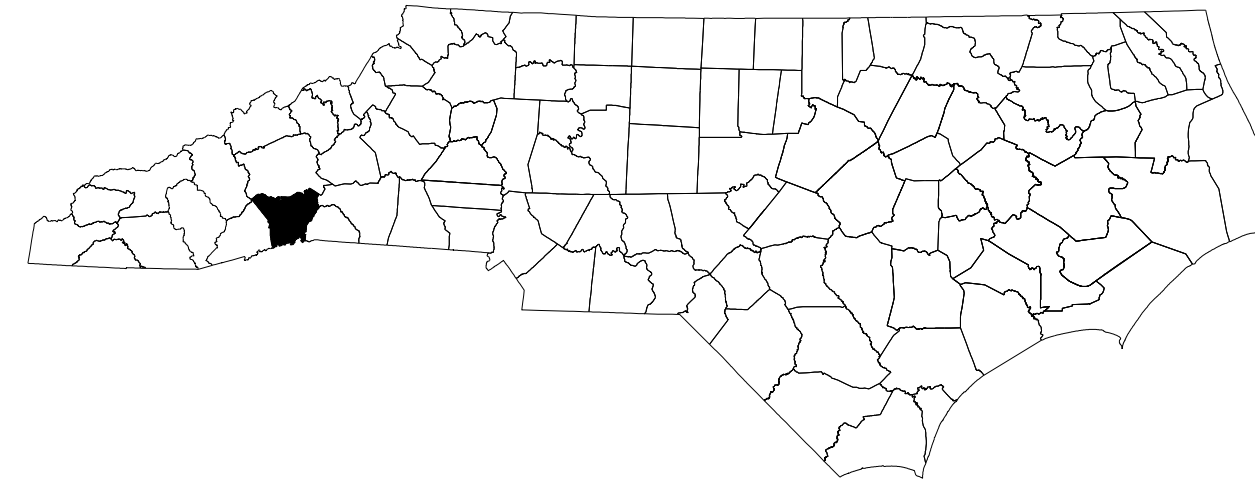
Total Amount Of Bid For Entire Project :

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

HENDERSON COUNTY

DIVISION 14



**LOCATION: US 64 (BREVARD ROAD) FROM SR 1173 (WHITE PINE DRIVE)
TO SR 2162 (BLYTHE STREET)**

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-1B	GENERAL NOTES
TMP-1C	GENERAL NOTES AND LOCAL NOTES
TMP-1D	TRANSPORTATION OPERATION PLANS
TMP-1E	TRANSPORTATION OPERATION PLANS
TMP-1F	TRANSPORTATION OPERATION PLANS
TMP-1G	TEMPORARY SHORING DATA
TMP-2A	-Y2- OFFSITE DETOUR
TMP-2B	-Y3- OFFSITE DETOUR
TMP-2C	-Y12- OFFSITE DETOUR
TMP-2D	-Y13- OFFSITE DETOUR
TMP-2E	-Y7- OFFSITE DETOUR
TMP-2F	-Y8- OFFSITE DETOUR
TMP-2G	-Y9- OFFSITE DETOUR
TMP-2H	-Y9- OFFSITE DETOUR
TMP-2I	-Y9- OFFSITE DETOUR
TMP-2J	WHITE PINE DRIVE DETOUR SIGN DETAIL
TMP-2K	DANIEL DRIVE DETOUR SIGN DETAIL
TMP-2L	BLYTHE STREET DETOUR SIGN DETAIL
TMP-2M	GLASGOW LANE DETOUR SIGN DETAIL
TMP-2N	BROADWAY STREET DETOUR SIGN DETAIL
TMP-2O	WESTBROOK ROAD DETOUR SIGN DETAIL
TMP-4	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 1A
TMP-5	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 1A
TMP-6	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 1B
TMP-7	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 1B
TMP-8	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 1C
TMP-9	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 1C
TMP-10	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 1D
TMP-11	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 2A
TMP-12	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 2A
TMP-13	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 2B
TMP-14	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 2B
TMP-15	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 2C
TMP-16	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 2C
TMP-17	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 3A
TMP-18	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 3A
TMP-19	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 3B
TMP-20	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 3B
TMP-21	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 3C
TMP-22	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 3C
TMP-23	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 4A
TMP-24	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 4A
TMP-25	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 5A
TMP-26	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 5A
TMP-27	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 5A
TMP-28	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 5B
TMP-29	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 5B
TMP-30	TEMPORARY TRAFFIC CONTROL DETAIL, PHASE 5B

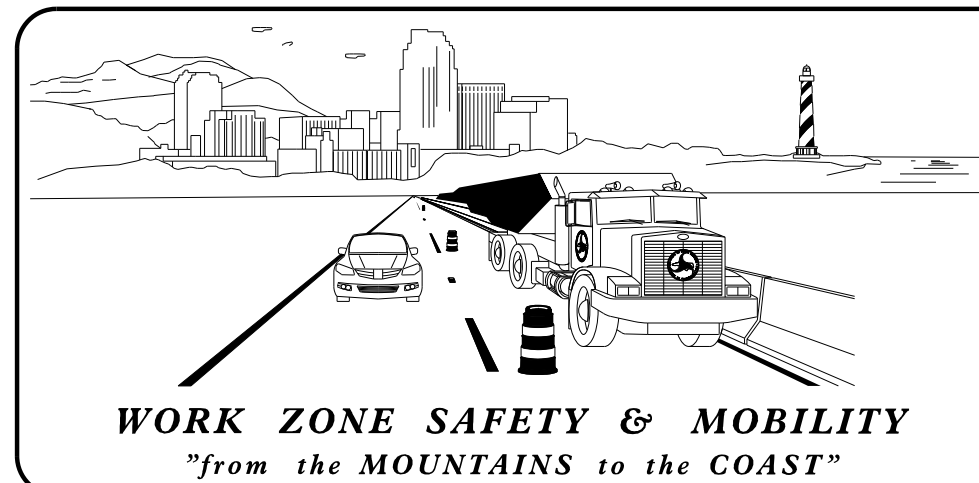
SHEET NO.

TMP-1

U-5783

TIP PROJECT:

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UNLESS ALL SIGNATURES COMPLETED**



PLANS PREPARED BY:

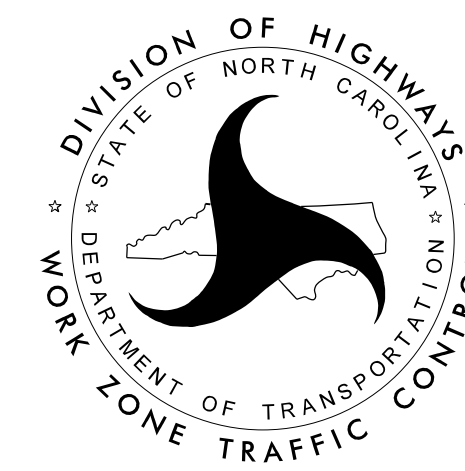
JAMES B. VOSO, PE

AARON C. CARVER, PE

NCDOT CONTACTS:

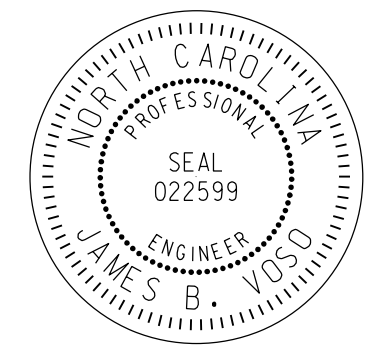
JEANETTE WHITE, PE
PROJECT ENGINEER

KENNETH MCDOWELL
PROJECT DESIGN ENGINEER



APPROVED: James Voso
DATE: 7/31/2024

SEAL



ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	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
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.
- TEMP. SHORING (LOCATION PURPOSES ONLY)

- WORK AREA
- TEMPORARY PAVEMENT
- WEDGING
- ONGOING CONSTRUCTION

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY
- PORTABLE

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM
- SKINNY DRUM
- TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

SYMBOL	DESCRIPTION
PAINT	
P1	WHITE EDGE LINE (4")
P4	3FT. - 9FT./SP WHITE MINISKIP (4")
P10	YELLOW EDGELINE (4")
P11	YELLOW SINGLE CENTER (4")
P13	YELLOW DOUBLE CENTER (4")
P61	WHITE STOP BAR (24")

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APPROVED: DATE: 7/31/2024	SEAL 		ROADWAY STANDARD DRAWINGS & LEGEND
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

TRAFFIC CONTROL PHASING

PROJ. REFERENCE NO. U-5783	SHEET NO. TMP-1E
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PHASE 2A

(CAN COINCIDE WITH PHASES 1A, 3A AND/OR 4A.)

STEP 1: WITH TRAFFIC IN THE EXISTING PATTERN AND USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, CONSTRUCT DRAINAGE, CURB & GUTTER, SIDEWALK, WEDGING, MILLING, AND WIDENING OF US 64 (-L-) INCLUDING PARTIAL MEDIAN WORK AS INDICATED IN THE PLANS, BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

STA. 26+07 +/- -L- TO STA 39+50 +/- -L- RIGHT SIDE

INSTALL TEMPORARY PAVEMENT AS SHOWN IN THE PHASE 2A TM PLANS.

KEEP TRAFFIC SIGNAL AT THE SHOPPING CENTER OPERATIONAL DURING PHASE 2A. DO NOT DISTURB SIGNAL POLES OR CABINET IN PHASE 2A.

PHASE 2B

(CAN COINCIDE WITH PHASES 1B, 3B AND/OR 5A.)

STEP 1: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, REMOVE CONFLICTING MARKINGS AND INSTALL TEMPORARY PAVEMENT MARKINGS AND SHIFT TRAFFIC TO THE PATTERN SHOWN IN PHASE 2B TM PLANS.

STEP 2: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, CONSTRUCT DRAINAGE, CURB & GUTTER, WEDGING, MILLING, AND WIDENING OF US 64 (-L-) INCLUDING PARTIAL MEDIAN WORK AS INDICATED IN THE PLANS, BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

STA. 26+07 +/- -L- TO STA 39+50 +/- -L- LEFT SIDE

INSTALL TEMPORARY PAVEMENT AS SHOWN IN THE PHASE 2B TM PLANS.

STEP 3: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, CONSTRUCT DRAINAGE, CURB & GUTTER, WEDGING, MILLING, AND WIDENING INCLUDING PARTIAL MEDIAN WORK AS INDICATED IN THE PLANS, BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

- Y4- STA 10+08 TO STA 12+34 +/- AND REMOVE EXISTING SIGNALS
- Y5- STA 10+00 TO STA 12+50 +/-
- Y6- STA 10+20 TO STA 12+01 +/-

DO NOT PERFORM LANE CLOSURES ON -Y4- & -Y5- SIMULTANEOUSLY. (MAINTAIN ACCESS TO SHOPPING CENTER.)

PHASE 2C

(CAN COINCIDE WITH PHASES 1C, 3C AND/OR 5B.)

STEP 1: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, INSTALL ALL PERMANENT SIGNAGE, REMOVE CONFLICTING MARKINGS, INSTALL TEMPORARY PAVEMENT MARKINGS, REMOVE ALL DETOURS SIGNS, SHIFT TRAFFIC TO THE PATTERN SHOWN IN PHASE 2C TM PLANS.

STEP 2: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, CONSTRUCT DRAINAGE, CURB & GUTTER, WEDGING, MILLING, AND MEDIAN WORK ON US 64 (-L-) AS INDICATED IN THE PLANS UP TO, BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

-L- STA. 25+20 +/- TO -L- STA 37+05 +/-

REMOVE TEMPORARY PAVEMENT IN THE ROUNDABOUT LOCATION 3.

-ROUND3- STA 10+00 +/- TO STA 12+95 +/-

STEP 3: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, SHIFT TRAFFIC, REMOVE TEMPORARY PAVEMENT AND CONSTRUCT CURB & GUTTER AND SIDEWALK FROM -L- STA 36+79 TO STA 38+30 RT. SEE TMP-16.

STEP 4: USING ROADWAY STANDARD 1101.02, INSTALL TEMPORARY PAVEMENT MARKINGS AS NECESSARY AND OPEN -L- (US 64) TO TWO-LANE, TWO-WAY TRAFFIC.

PHASE 3A

(CAN COINCIDE WITH PHASES 1A, 2A AND/OR 4A.)

STEP 1: WITH TRAFFIC IN THE EXISTING PATTERN AND USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, REMOVE TEMPORARY PAVEMENT RT SIDE -L- INSTALLED DURING PHASE 2B AS NECESSARY AND CONSTRUCT DRAINAGE, CURB & GUTTER, SIDEWALK, WEDGING, MILLING, AND WIDENING OF US 64 (-L-) INCLUDING PARTIAL MEDIAN WORK AS INDICATED IN THE PLANS, BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

STA. 39+50 +/- -L- TO STA 54+52 +/- -L- RIGHT SIDE
STA. 54+52 +/- -L- TO STA 56+50 +/- -L- LEFT SIDE

INSTALL TEMPORARY PAVEMENT AS SHOWN IN THE PHASE 3A TM PLANS.

CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE 3A, STEP 2 IN 30 CONSECUTIVE DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 2: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, INSTALL DETOUR SIGNING AS SHOWN ON TMP-2E AND RSD 1101.03 SHEETS 1 & 2, CLOSE TO THRU TRAFFIC AND CONSTRUCT -Y7- (GLASGOW LN.).

INSTALL TEMPORARY PAVEMENT MARKINGS AS NECESSARY AND OPEN -Y7- (GLASGOW LN.) TO TWO-LANE, TWO-WAY TRAFFIC. REMOVE ALL DETOURS SIGNS.

CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE 3A, STEP 3 IN 30 CONSECUTIVE DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP3: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, INSTALL DETOUR SIGNING AS SHOWN ON TMP-2F AND RSD 1101.03 SHEETS 1 & 2, CLOSE TO THRU TRAFFIC AND CONSTRUCT -Y8- (BROADWAY ST.)

INSTALL TEMPORARY PAVEMENT MARKINGS AS NECESSARY AND OPEN -Y8- (BROADWAY ST.) TO TWO-LANE, TWO-WAY TRAFFIC. REMOVE ALL DETOURS SIGNS.

DO NOT CLOSE -Y7- (GLASGOW LN.) AND -Y8- (BROADWAY ST.) SIMULTANEOUSLY.

PHASE 3B

(CAN COINCIDE WITH PHASES 1B, 2B AND/OR 5A.)

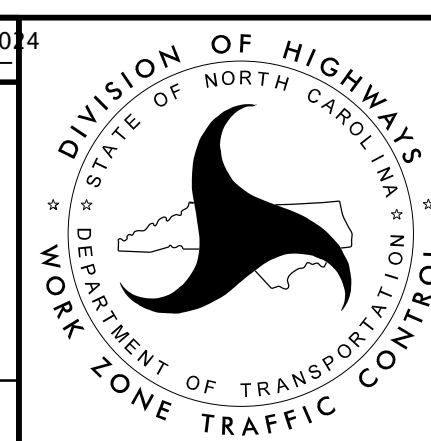
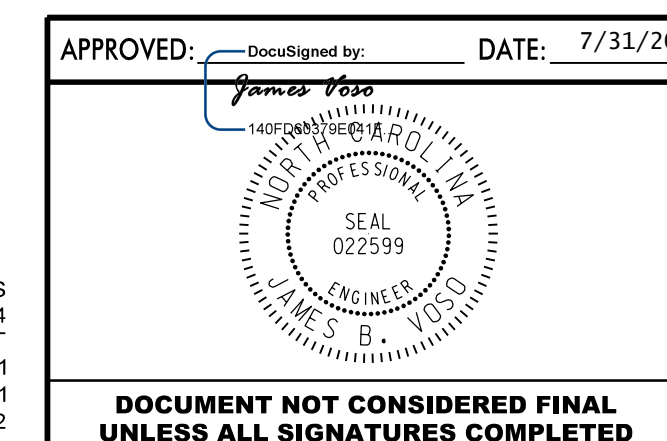
STEP 1: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, REMOVE CONFLICTING MARKINGS AND INSTALL TEMPORARY PAVEMENT MARKINGS AND SHIFT TRAFFIC TO THE PATTERN SHOWN IN PHASE 3B TM PLANS.

STEP 2: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, REMOVE TEMPORARY PAVEMENT LT SIDE -L- INSTALLED DURING PHASE 2B AS NECESSARY AND CONSTRUCT DRAINAGE, CURB & GUTTER, WEDGING, MILLING, AND WIDENING OF US 64 (-L-) INCLUDING PARTIAL MEDIAN WORK AS INDICATED IN THE PLANS, BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

STA. 39+50 +/- -L- TO STA 54+52 +/- -L- LEFT SIDE
STA. 54+52 +/- -L- TO STA 56+50 +/- -L- RIGHT SIDE

INSTALL TEMPORARY PAVEMENT AS SHOWN IN THE PHASE 3B TM PLANS.

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TRANSPORTATION OPERATIONS PLAN

APPROVED: _____ DocuSigned by: _____ DATE: 7/31/2014
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TRAFFIC CONTROL PHASING

PROJ. REFERENCE NO. U-5783	SHEET NO. TMP-1F
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PHASE 3C

(CAN COINCIDE WITH PHASES 1C, 2C AND/OR 5B.)

STEP 1: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, INSTALL ALL PERMANENT SIGNAGE, REMOVE CONFLICTING MARKINGS, INSTALL TEMPORARY PAVEMENT MARKINGS, REMOVE ALL DETOURS SIGNS, SHIFT TRAFFIC TO THE PATTERN SHOWN IN PHASE 3C TM PLANS.

STEP 2: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, CONSTRUCT DRAINAGE, CURB & GUTTER, WEDGING, MILLING, AND MEDIAN WORK ON US 64 (-L-) AS INDICATED IN THE PLANS UP TO, BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

-L- STA. 37+05 +/- TO -L- STA 53+54 +/-

REMOVE TEMPORARY PAVEMENT IN THE ROUNDABOUT LOCATION 4.

-ROUND4- STA 10+00 +/- TO STA 12+95 +/-

STEP 3: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, SHIFT TRAFFIC, REMOVE TEMPORARY PAVEMENT AND CONSTRUCT CURB & GUTTER AND SIDEWALK FROM -L- STA 47+24 TO STA 48+61 RT. SEE TMP-21 AND TMP-22.

STEP 4: USING ROADWAY STANDARD 1101.02, INSTALL TEMPORARY PAVEMENT MARKINGS AS NECESSARY AND OPEN -L- (US 64) TO TWO-LANE, TWO-WAY TRAFFIC.

PHASE 4A

(CAN COINCIDE WITH PHASES 1A, 2A AND/OR 3A.)

STEP 1: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, INSTALL TEMPORARY CURB RAMPS, CROSSWALK, AND TEMPORARY RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSING AS SHOWN ON SIG. 7.0 AND TMP-24.

STEP 2: WITH TRAFFIC IN THE EXISTING PATTERN AND USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, CONSTRUCT DRAINAGE, CURB & GUTTER, SIDEWALK, WEDGING, MILLING, AND WIDENING OF US 64 (-L-) INCLUDING PARTIAL MEDIAN WORK AS INDICATED IN THE PLANS, BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

STA. 56+50 +/- -L- TO STA 72+20 +/- -L- LEFT SIDE

INSTALL TEMPORARY PAVEMENT AS SHOWN IN THE PHASE 1 TM PLANS.

-Y10- STA 10+30 TO STA 11+27 +/-

-Y11- STA 10+50 TO STA 11+74 +/-

CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE 4A, STEPS 3 & 4 IN 95 CONSECUTIVE DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 3: IN A CONTINUOUS OPERATION AND USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, MODIFY EXISTING SIGNALS AT THE INTERSECTION OF -Y12- AND -Y13- (BLYTHE ST.)// -L- (US 64) (TEMPORAY 1) AND INSTALL DETOUR SIGNING AS SHOWN ON TMP-2C; CLOSE TO THRU TRAFFIC AND CONSTRUCT -Y12- (BLYTHE ST.).

STEP 4: INSTALL TEMPORARY PAVEMENT MARKINGS AS NECESSARY, MODIFY EXISTING SIGNALS (TEMPORARY 2) AND OPEN -Y12- (BLYTHE ST.) TO TWO-LANE, TWO-WAY TRAFFIC. REMOVE ALL DETOURS SIGNS.

PHASE 5A

(CAN COINCIDE WITH PHASES 1B, 2B AND/OR 3B.)

STEP 1: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, REMOVE CONFLICTING MARKINGS AND INSTALL TEMPORARY PAVEMENT MARKINGS AND SHIFT TRAFFIC TO THE PATTERN SHOWN IN PHASE 5A TM PLANS.

CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE 5A, STEPS 2 & 3 IN 90 CONSECUTIVE DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 2: IN A CONTINUOUS OPERATION AND USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, MODIFY EXISTING SIGNALS AT THE INTERSECTION OF -Y12-/-Y13- (BLYTHE ST.) AND -L- (US 64) (TEMPORARY 2). INSTALL DETOUR SIGNING USING TMP-2D AND RSD 1101.03 SHEETS 1 & 2; CLOSE TO THRU TRAFFIC -Y13- (BLYTHE ST.).

INSTALL TEMPORARY SHORING AS SHOWN ON TMP-26. CONSTRUCT -Y13- (BLYTHE ST.) INCLUDING FINAL PAVEMENT MARKINGS.

STEP 3: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, INSTALL ALL PERMANENT SIGNAGE, REMOVE CONFLICTING MARKINGS, INSTALL TEMPORARY PAVEMENT MARKINGS, INSTALL PROPOSED SIGNALS (TEMPORARY 3), REMOVE ALL DETOURS SIGNS, SHIFT TRAFFIC TO THE PATTERN SHOWN IN PHASE 5B TM PLANS AND OPEN -Y13- (BLYTHE ST.) TO TWO-LANE, TWO-WAY TRAFFIC.

STEP 4: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, CONSTRUCT DRAINAGE, CURB & GUTTER, WEDGING, MILLING, AND WIDENING OF US 64 (-L-) INCLUDING PARTIAL MEDIAN WORK AS INDICATED IN THE PLANS, BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

STA. 56+50 +/- -L- TO STA 72+20 +/- -L- RIGHT SIDE

CONTRACTOR SHALL COMPLETE THE WORK REQUIRED OF PHASE 5A, STEPS 5 & 6 IN 21 CONSECUTIVE DAYS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 5: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, INSTALL DETOUR SIGNING AS SHOWN ON TMP-2G AND RSD 1101.03 SHEETS 1 & 2, CLOSE TO THRU TRAFFIC AND CONSTRUCT -Y9- (WESTBROOK DR.).

DO NOT CLOSE -Y9- & -Y13- SIMULTANEOUSLY.

STEP 6: INSTALL TEMPORARY PAVEMENT MARKING AS NECESSARY AND OPEN -Y9- (WESTBROOK DR.) TO TWO LANE, TWO WAY TRAFFIC, REMOVE ALL DETOURS SIGNS.

PHASE 5B

(CAN COINCIDE WITH PHASES 1C, 2C AND/OR 3C.)

STEP 2: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, CONSTRUCT DRAINAGE, CURB & GUTTER, WEDGING, MILLING, AND MEDIAN WORK ON US 64 (-L-) AS INDICATED IN THE PLANS UP TO, BUT NOT INCLUDING THE FINAL SURFACE COURSE AS FOLLOWS:

-L- STA. 53+54 +/- TO -L- STA 72+20 +/-

STEP 3: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, REMOVE TEMPORARY RECTANGULAR RAPID FLASHING BEACON (RRFB) CROSSING THAT WAS INSTALLED IN PHASE IVA, STEP 1. REMOVE TEMPORARY CURB RAMPS AND CONSTRUCT CURB & GUTTER & SIDEWALK.

STEP 4: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, INSTALL TEMPORARY PAVEMENT MARKINGS AS NECESSARY, INSTALL FINAL TRAFFIC SIGNAL DESIGN (FINAL), AND OPEN -L- (US 64) TO TWO-LANE, TWO-WAY TRAFFIC.

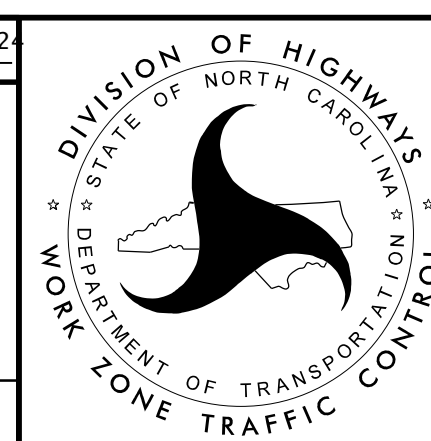
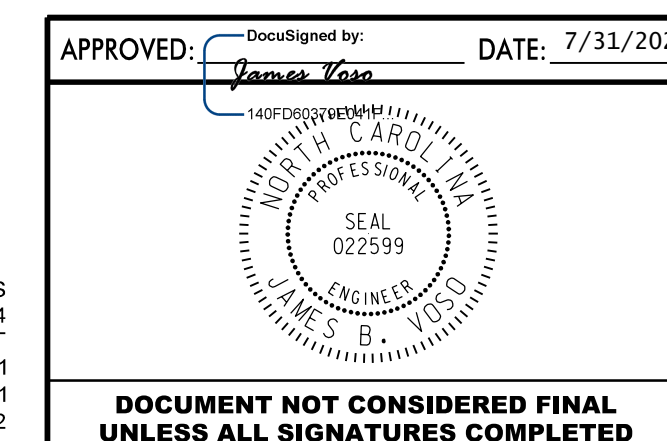
PHASE 5C

STEP 1: USING ROADWAY STANDARD 1101.02, SHEET 1 OF 19, CONSTRUCT FINAL SURFACE LAYER, INSTALL FINAL PAVEMENT MARKINGS, AND OPEN -L- (US 64) TO TWO-LANE, TWO-WAY TRAFFIC.

- L- STA. 12+00 +/- TO -L- STA 73+62 +/-
- Y1- STA 11+40 +/- TO STA 16+80 +/-
- Y1A- STA 20+50 TO STA 22+78 +/-
- Y2- STA 10+20 TO STA 12+85 +/-
- Y3- STA 10+20 TO STA 13+60 +/-
- Y4- STA 10+08 TO STA 12+34 +/-
- Y5- STA 10+00 TO STA 12+50 +/-
- Y6- STA 10+20 TO STA 12+01 +/-
- Y7- STA 10+20 TO STA 12+90 +/-
- Y8- STA 10+20 TO STA 12+70 +/-
- Y9- STA 10+20 TO STA 12+00 +/-
- Y10- STA 10+30 TO STA 11+27 +/-
- Y11- STA 10+50 TO STA 11+74 +/-
- Y12- STA 9+00 TO STA 15+80 +/-
- Y13- STA 10+20 TO STA 18+40 +/-

STEP 2: REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES.

8:43:29 AM 11/13/2022 US 64 Widening (U-5783)\06 U-5783\TrafficControl\TCP\U5783_TMP_01D-Phasing.dgn bgross



TRANSPORTATION
OPERATIONS
PLAN

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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 -Y12- ±14+10.80,
47.7' RT, TO STATION -Y12- ±14+71.2, 41.1' RT, FOR THE
FOLLOWING ASSUMED SOIL PARAMETERS AND
GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 PCF
FRICTION ANGLE (ϕ .) = 30 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = 2,198 FT

NO SUBSURFACE INFORMATION IS AVAILABLE IN THE
VICINITY OF TEMPORARY SHORING FROM STATION -Y12-
±14+10.80, 47.7' RT, TO STATION -Y12- ±14+71.2, 41.1' 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 -Y12-
±14+10.80, 47.7' RT, TO STATION -Y12- ±14+71.2, 41.1' RT. FOR
TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL
WALLS PROVISION.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A
SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT
WAS SUBMITTED TO JEANETTE WHITE, P.E. NCDOT DIVISION 14 ON 7/31/2024
AND SEALED BY A PROFESSIONAL ENGINEER, MICHAEL H. STEPHENS, P.E. LICENSE NC 028893.

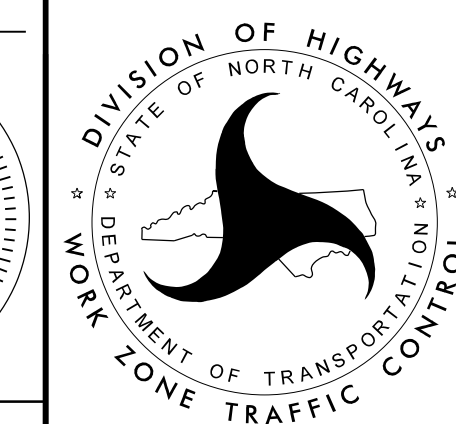
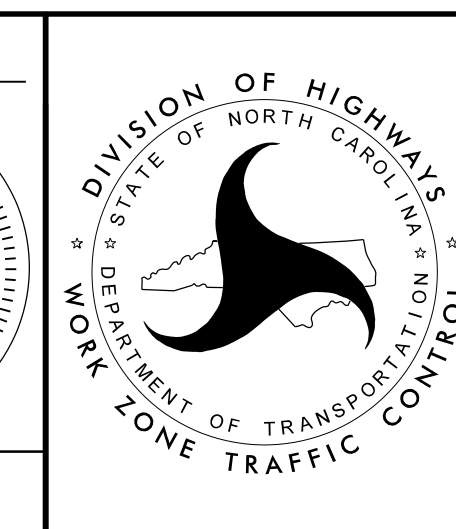
4:22:37 PM 11/15/2024 US 64 Widening (U-5783)\06 U-5783\TrafficControl\TCP\U5783_TMP_01G-Temporary Shoring.dgn borross



APPROVED: *James Vaso*
140FD00378E041F...
DATE: 7/31/2024

SEAL

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



TRANSPORTATION
MANAGEMENT PLAN
TEMPORARY SHORING DATA

