



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

October 12, 2021

Addendum No. 1

RE: Contract # C204446

WBS # 38443.3.3

STATE FUNDED

Davidson, Rowan and Stanly Counties (B-4626)

BRIDGES #3 AND #8 OVER YADKIN RIVER AND WINSTON-SALEM

SOUTHBOUND RAILROAD ON NC-49

October 19, 2021 Letting

To Whom It May Concern:

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

The following revisions have been made to the Structure plans.

| Sheet No. | Revision |
|-----------|---|
| S1-8 | Total Bill of Material revised to reflect quantity change shown below |

Please void the above listed Sheet in your plans and staple the revised Sheet thereto.

The following revisions have been made to the proposal:

| Page No. | Revisions |
|----------------|---|
| Proposal Cover | Note added that reads "Includes Addendum No. 1 Dated 10-12-2021" |
| G-4 | Project Special provision entitled SPECIALTY ITEMS revised to remove Bridge Painting |

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

On the item sheets the following pay item revisions have been made:

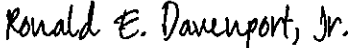
| <u>Item</u> | <u>Description</u> | <u>Old Quantity</u> | <u>New Quantity</u> |
|-----------------------|---------------------------------|---------------------|---------------------|
| 0133-8182000000-E-420 | CLASS A CONCRETE (BRIDGE) | 1,756.1 CY | 444.4 CY |
| 0137-8294000000-N-442 | PAINTING OF STRUCTURAL STEEL | LUMP SUM | DELETED |

The Contractor's bid must include these pay item revisions.

The electronic bidding file has been updated to reflect these revisions. 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:

 F81B6038A47A442...
 Ronald E. Davenport, Jr., PE
 State Contract Officer

RED/jjr
 Attachments

cc: Mr. Lamar Sylvester, PE
 Mr. Pat Ivey, PE
 Mr. Brett D. Canipe, PE
 Mr. Boyd Tharrington, PE
 Mr. Jon Weathersbee, PE
 Mr. Ken Kennedy, PE
 Project File (2)

Mr. Forrest Dungan, PE
 Ms. Jaci Kincaid
 Ms. Lori Strickland
 Mr. Mike Gwyn
 Ms. Penny Higgins
 Mr. Kyle Kempf

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

PROPOSAL

INCLUDES ADDENDUM No.1 DATED 10-12-2021

DATE AND TIME OF BID OPENING: **OCTOBER 19, 2021 AT 2:00 PM**

CONTRACT ID C204446
WBS 38443.3.3

FEDERAL-AID NO. STATE FUNDED
COUNTY DAVIDSON, ROWAN, STANLY
T.I.P. NO. B-4626
MILES 1.136
ROUTE NO. NC 49
LOCATION BRIDGES #3 AND #8 OVER YADKIN RIVER AND WINSTON-SALEM
SOUTHBOUND RAILROAD ON NC-49.
TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.

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

SPECIALTY ITEMS:

(7-1-95)(Rev. 7-20-21)

108-6

SP1 G37

Items listed below will be the specialty items for this contract (see Article 108-6 of the 2018 Standard Specifications).

| Line # | Description |
|-----------------|-----------------------------|
| 51-57 | Guardrail |
| 61-66 | Signing |
| 80-83, 91 | Long-Life Pavement Markings |
| 92-93 | Permanent Pavement Markers |
| 94-124 | Erosion Control |
| 154, 160 or 161 | Polymer Concrete Overlay |

FUEL PRICE ADJUSTMENT:

(11-15-05) (Rev. 7-20-21)

109-8

SP1 G43

Revise the 2018 Standard Specifications as follows:

Page 1-87, Article 109-8, Fuel Price Adjustments, add the following:

The base index price for DIESEL #2 FUEL is \$ **2.1926** per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

| Description | Units | Fuel Usage Factor Diesel |
|--|---------|--------------------------|
| Unclassified Excavation | Gal/CY | 0.29 |
| Borrow Excavation | Gal/CY | 0.29 |
| Class IV Subgrade Stabilization | Gal/Ton | 0.55 |
| Aggregate Base Course | Gal/Ton | 0.55 |
| Sub-Ballast | Gal/Ton | 0.55 |
| Asphalt Concrete Base Course, Type _____ | Gal/Ton | 0.90 or 2.90 |
| Asphalt Concrete Intermediate Course, Type _____ | Gal/Ton | 0.90 or 2.90 |
| Asphalt Concrete Surface Course, Type _____ | Gal/Ton | 0.90 or 2.90 |
| Open-Graded Asphalt Friction Course | Gal/Ton | 0.90 or 2.90 |
| Permeable Asphalt Drainage Course, Type _____ | Gal/Ton | 0.90 or 2.90 |
| Sand Asphalt Surface Course, Type _____ | Gal/Ton | 0.90 or 2.90 |
| Aggregate for Cement Treated Base Course | Gal/Ton | 0.55 |
| Portland Cement for Cement Treated Base Course | Gal/Ton | 0.55 |
| " Portland Cement Concrete Pavement | Gal/SY | 0.245 |
| Concrete Shoulders Adjacent to " Pavement | Gal/SY | 0.245 |

County : Davidson, Rowan, Stanly

| 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 | 0000915000-N | SP | GENERIC MISCELLANEOUS ITEM DRILLED ORIFICE PLATE AND TRASH RACK | 1 EA | | |
| 0004 | 0000915000-N | SP | GENERIC MISCELLANEOUS ITEM POLYMER CONCRETE CLEANOUT BOXES | 1 EA | | |
| 0005 | 0000920000-E | SP | GENERIC MISCELLANEOUS ITEM BIOSWALE FILTRATION MEDIA | 90 CY | | |
| 0006 | 0000930000-E | SP | GENERIC MISCELLANEOUS ITEM BIOSWALE UNDERDRAIN PIPE | 300 LF | | |
| 0007 | 0000960000-E | SP | GENERIC MISCELLANEOUS ITEM POLYPROPYLENE NONWOVEN GEO- TEXTILE FABRIC | 250 SY | | |
| 0008 | 0000995000-E | SP | GENERIC MISCELLANEOUS ITEM NO 57 STONE, WASHED | 50 TON | | |
| 0009 | 0028000000-N | SP | TYPE I STANDARD APPROACH FILL STATION ***** (45+22.65 -EBL-) | Lump Sum | L.S. | |
| 0010 | 0043000000-N | 226 | GRADING | Lump Sum | L.S. | |
| 0011 | 0050000000-E | 226 | SUPPLEMENTARY CLEARING & GRUB- BING | 1 ACR | | |
| 0012 | 0057000000-E | 226 | UNDERCUT EXCAVATION | 500 CY | | |
| 0013 | 0195000000-E | 265 | SELECT GRANULAR MATERIAL | 400 CY | | |
| 0014 | 0196000000-E | 270 | GEOTEXTILE FOR SOIL STABILIZA- TION | 1,100 SY | | |
| 0015 | 0318000000-E | 300 | FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES | 40 TON | | |
| 0016 | 0320000000-E | 300 | FOUNDATION CONDITIONING GEO- TEXTILE | 100 SY | | |

County : Davidson, Rowan, Stanly

| Line # | Item Number | Sec # | Description | Quantity | Unit Cost | Amount |
|--------|--------------|-------|---|--------------|-----------|--------|
| 0017 | 0366000000-E | 310 | 15" RC PIPE CULVERTS, CLASS III | 8 LF | | |
| 0018 | 0372000000-E | 310 | 18" RC PIPE CULVERTS, CLASS III | 148 LF | | |
| 0019 | 0378000000-E | 310 | 24" RC PIPE CULVERTS, CLASS III | 16 LF | | |
| 0020 | 0582000000-E | 310 | 15" CS PIPE CULVERTS, 0.064" THICK | 48 LF | | |
| 0021 | 0588000000-E | 310 | 18" CS PIPE CULVERTS, 0.064" THICK | 76 LF | | |
| 0022 | 0636000000-E | 310 | *** CS PIPE ELBOWS, ***** THICK (18", 0.064") | 2 EA | | |
| 0023 | 0995000000-E | 340 | PIPE REMOVAL | 29 LF | | |
| 0024 | 0996000000-N | 350 | PIPE CLEAN OUT | 3 EA | | |
| 0025 | 1099500000-E | 505 | SHALLOW UNDERCUT | 200 CY | | |
| 0026 | 1099700000-E | 505 | CLASS IV SUBGRADE STABILIZATION | 400 TON | | |
| 0027 | 1121000000-E | 520 | AGGREGATE BASE COURSE | 400 TON | | |
| 0028 | 1220000000-E | 545 | INCIDENTAL STONE BASE | 50 TON | | |
| 0029 | 1275000000-E | 600 | PRIME COAT | 330 GAL | | |
| 0030 | 1330000000-E | 607 | INCIDENTAL MILLING | 870 SY | | |
| 0031 | 1491000000-E | 610 | ASPHALT CONC BASE COURSE, TYPE B25.0C | 1,060 TON | | |
| 0032 | 1503000000-E | 610 | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C | 550 TON | | |
| 0033 | 1519000000-E | 610 | ASPHALT CONC SURFACE COURSE, TYPE S9.5B | 5,720 TON | | |
| 0034 | 1575000000-E | 620 | ASPHALT BINDER FOR PLANT MIX | 460 TON | | |

County : Davidson, Rowan, Stanly

| Line # | Item Number | Sec # | Description | Quantity | Unit Cost | Amount |
|--------|--------------|-------|---|-------------|-----------|--------|
| 0035 | 1693000000-E | 654 | ASPHALT PLANT MIX, PAVEMENT REPAIR | 25 TON | | |
| 0036 | 2022000000-E | 815 | SUBDRAIN EXCAVATION | 112 CY | | |
| 0037 | 2026000000-E | 815 | GEOTEXTILE FOR SUBSURFACE DRAINS | 500 SY | | |
| 0038 | 2036000000-E | 815 | SUBDRAIN COARSE AGGREGATE | 84 CY | | |
| 0039 | 2044000000-E | 815 | 6" PERFORATED SUBDRAIN PIPE | 500 LF | | |
| 0040 | 2070000000-N | 815 | SUBDRAIN PIPE OUTLET | 1 EA | | |
| 0041 | 2077000000-E | 815 | 6" OUTLET PIPE | 6 LF | | |
| 0042 | 2253000000-E | 840 | PIPE COLLARS | 0.553 CY | | |
| 0043 | 2286000000-N | 840 | MASONRY DRAINAGE STRUCTURES | 10 EA | | |
| 0044 | 2308000000-E | 840 | MASONRY DRAINAGE STRUCTURES | 2.2 LF | | |
| 0045 | 2364000000-N | 840 | FRAME WITH TWO GRATES, STD 840.16 | 6 EA | | |
| 0046 | 2365000000-N | 840 | FRAME WITH TWO GRATES, STD 840.22 | 1 EA | | |
| 0047 | 2367000000-N | 840 | FRAME WITH TWO GRATES, STD 840.29 | 3 EA | | |
| 0048 | 2396000000-N | 840 | FRAME WITH COVER, STD 840.54 | 1 EA | | |
| 0049 | 2556000000-E | 846 | SHOULDER BERM GUTTER | 20 LF | | |
| 0050 | 2905000000-N | 859 | CONVERT EXISTING DROP INLET TO JUNCTION BOX | 1 EA | | |
| 0051 | 3030000000-E | 862 | STEEL BEAM GUARDRAIL | 2,600 LF | | |
| 0052 | 3150000000-N | 862 | ADDITIONAL GUARDRAIL POSTS | 10 EA | | |
| 0053 | 3210000000-N | 862 | GUARDRAIL END UNITS, TYPE CAT-1 | 2 EA | | |

County : Davidson, Rowan, Stanly

| Line # | Item Number | Sec # | Description | Quantity | Unit Cost | Amount |
|--------|--------------|-------|--|-------------|-----------|--------|
| 0054 | 3287000000-N | SP | GUARDRAIL END UNITS, TYPE TL-3 | 10 EA | | |
| 0055 | 3317000000-N | SP | GUARDRAIL ANCHOR UNITS, TYPE B-77 | 8 EA | | |
| 0056 | 3360000000-E | 863 | REMOVE EXISTING GUARDRAIL | 2,900 LF | | |
| 0057 | 3595000000-E | 869 | RELAPPING GUARDRAIL | 450 LF | | |
| 0058 | 3628000000-E | 876 | RIP RAP, CLASS I | 75 TON | | |
| 0059 | 3649000000-E | 876 | RIP RAP, CLASS B | 25 TON | | |
| 0060 | 3656000000-E | 876 | GEOTEXTILE FOR DRAINAGE | 620 SY | | |
| 0061 | 4072000000-E | 903 | SUPPORTS, 3-LB STEEL U-CHANNEL | 830 LF | | |
| 0062 | 4096000000-N | 904 | SIGN ERECTION, TYPE D | 8 EA | | |
| 0063 | 4102000000-N | 904 | SIGN ERECTION, TYPE E | 32 EA | | |
| 0064 | 4116100000-N | 904 | SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E) | 1 EA | | |
| 0065 | 4155000000-N | 907 | DISPOSAL OF SIGN SYSTEM, U-CHANNEL | 33 EA | | |
| 0066 | 4238000000-N | 907 | DISPOSAL OF SIGN, D, E OR F | 1 EA | | |
| 0067 | 4400000000-E | 1110 | WORK ZONE SIGNS (STATIONARY) | 88 SF | | |
| 0068 | 4405000000-E | 1110 | WORK ZONE SIGNS (PORTABLE) | 384 SF | | |
| 0069 | 4410000000-E | 1110 | WORK ZONE SIGNS (BARRICADE MOUNTED) | 92 SF | | |
| 0070 | 4415000000-N | 1115 | FLASHING ARROW BOARD | 2 EA | | |
| 0071 | 4420000000-N | 1120 | PORTABLE CHANGEABLE MESSAGE SIGN | 2 EA | | |
| 0072 | 4430000000-N | 1130 | DRUMS | 174 EA | | |

County : Davidson, Rowan, Stanly

| Line # | Item Number | Sec # | Description | Quantity | Unit Cost | Amount |
|--------|--------------|-------|--|--------------|-----------|--------|
| 0073 | 4435000000-N | 1135 | CONES | 25 EA | | |
| 0074 | 4445000000-E | 1145 | BARRICADES (TYPE III) | 72 LF | | |
| 0075 | 4455000000-N | 1150 | FLAGGER | 21 DAY | | |
| 0076 | 4480000000-N | 1165 | TMA | 2 EA | | |
| 0077 | 4510000000-N | 1190 | LAW ENFORCEMENT | 9 HR | | |
| 0078 | 4516000000-N | 1180 | SKINNY DRUM | 25 EA | | |
| 0079 | 4630000000-N | 1251 | TEMPORARY RAISED PAVEMENT MARKERS | 194 EA | | |
| 0080 | 4685000000-E | 1205 | THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS) | 25,892 LF | | |
| 0081 | 4695000000-E | 1205 | THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS) | 254 LF | | |
| 0082 | 4725000000-E | 1205 | THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) | 17 EA | | |
| 0083 | 4770000000-E | 1205 | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II) | 4,928 LF | | |
| 0084 | 4810000000-E | 1205 | PAINT PAVEMENT MARKING LINES (4") | 81,400 LF | | |
| 0085 | 4820000000-E | 1205 | PAINT PAVEMENT MARKING LINES (8") | 810 LF | | |
| 0086 | 4835000000-E | 1205 | PAINT PAVEMENT MARKING LINES (24") | 184 LF | | |
| 0087 | 4845000000-N | 1205 | PAINT PAVEMENT MARKING SYMBOL | 46 EA | | |
| 0088 | 4850000000-E | 1205 | REMOVAL OF PAVEMENT MARKING LINES (4") | 14,819 LF | | |
| 0089 | 4860000000-E | 1205 | REMOVAL OF PAVEMENT MARKING LINES (8") | 521 LF | | |
| 0090 | 4875000000-N | 1205 | REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS | 17 EA | | |

County : Davidson, Rowan, Stanly

| Line # | Item Number | Sec # | Description | Quantity | Unit Cost | Amount |
|--------|--------------|-------|---|-------------|-----------|--------|
| 0091 | 4891000000-E | 1205 | GENERIC PAVEMENT MARKING ITEM THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS) | 42 LF | | |
| 0092 | 4895000000-N | SP | GENERIC PAVEMENT MARKING ITEM NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER | 48 EA | | |
| 0093 | 4900000000-N | 1251 | PERMANENT RAISED PAVEMENT MARKERS | 27 EA | | |
| 0094 | 6000000000-E | 1605 | TEMPORARY SILT FENCE | 1,000 LF | | |
| 0095 | 6006000000-E | 1610 | STONE FOR EROSION CONTROL, CLASS A | 555 TON | | |
| 0096 | 6009000000-E | 1610 | STONE FOR EROSION CONTROL, CLASS B | 510 TON | | |
| 0097 | 6012000000-E | 1610 | SEDIMENT CONTROL STONE | 520 TON | | |
| 0098 | 6015000000-E | 1615 | TEMPORARY MULCHING | 1.5 ACR | | |
| 0099 | 6018000000-E | 1620 | SEED FOR TEMPORARY SEEDING | 200 LB | | |
| 0100 | 6021000000-E | 1620 | FERTILIZER FOR TEMPORARY SEED- ING | 2 TON | | |
| 0101 | 6024000000-E | 1622 | TEMPORARY SLOPE DRAINS | 200 LF | | |
| 0102 | 6029000000-E | SP | SAFETY FENCE | 3,400 LF | | |
| 0103 | 6030000000-E | 1630 | SILT EXCAVATION | 1,280 CY | | |
| 0104 | 6036000000-E | 1631 | MATTING FOR EROSION CONTROL | 5,500 SY | | |
| 0105 | 6037000000-E | SP | COIR FIBER MAT | 100 SY | | |
| 0106 | 6042000000-E | 1632 | 1/4" HARDWARE CLOTH | 150 LF | | |
| 0107 | 6045000000-E | SP | *** TEMPORARY PIPE (15") | 15 LF | | |
| 0108 | 6048000000-E | SP | FLOATING TURBIDITY CURTAIN | 625 SY | | |

County : Davidson, Rowan, Stanly

| Line # | Item Number | Sec # | Description | Quantity | Unit Cost | Amount |
|------------------------|--------------|-------|---|-------------|-----------|--------|
| 0109 | 6071012000-E | SP | COIR FIBER WATTLE | 200 LF | | |
| 0110 | 6071020000-E | SP | POLYACRYLAMIDE (PAM) | 185 LB | | |
| 0111 | 6071030000-E | 1640 | COIR FIBER BAFFLE | 185 LF | | |
| 0112 | 6071050000-E | SP | *** SKIMMER (1") | 1 EA | | |
| 0113 | 6071050000-E | SP | *** SKIMMER (1-1/2") | 1 EA | | |
| 0114 | 6084000000-E | 1660 | SEEDING & MULCHING | 1.5 ACR | | |
| 0115 | 6087000000-E | 1660 | MOWING | 1.5 ACR | | |
| 0116 | 6090000000-E | 1661 | SEED FOR REPAIR SEEDING | 50 LB | | |
| 0117 | 6093000000-E | 1661 | FERTILIZER FOR REPAIR SEEDING | 0.25 TON | | |
| 0118 | 6096000000-E | 1662 | SEED FOR SUPPLEMENTAL SEEDING | 50 LB | | |
| 0119 | 6108000000-E | 1665 | FERTILIZER TOPDRESSING | 1 TON | | |
| 0120 | 6114500000-N | 1667 | SPECIALIZED HAND MOWING | 10 MHR | | |
| 0121 | 6117000000-N | SP | RESPONSE FOR EROSION CONTROL | 25 EA | | |
| 0122 | 6117500000-N | SP | CONCRETE WASHOUT STRUCTURE | 4 EA | | |
| 0123 | 6132000000-N | SP | GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE | 4 EA | | |
| 0124 | 6132000000-N | SP | GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT | 8 EA | | |
| STRUCTURE ITEMS | | | | | | |
| 0125 | 2264000000-E | 840 | PIPE PLUGS | 0.2 CY | | |

County : Davidson, Rowan, Stanly

| Line # | Item Number | Sec # | Description | Quantity | Unit Cost | Amount |
|--------|--------------|-------|--|-----------------|-----------|--------|
| 0126 | 5836000000-E | 1540 | 24" ENCASEMENT PIPE | 69 LF | | |
| 0127 | 8017000000-N | SP | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (45+22.65 -EBL-) | Lump Sum | L.S. | |
| 0128 | 8035000000-N | 402 | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (45+22.65 -EBL-) | Lump Sum | L.S. | |
| 0129 | 8065000000-N | SP | ASBESTOS ASSESSMENT | Lump Sum | L.S. | |
| 0130 | 8121000000-N | 412 | UNCLASSIFIED STRUCTURE EXCAVA- TION AT STATION ***** (45+22.65 -EBL-) | Lump Sum | L.S. | |
| 0131 | 8147000000-E | 420 | REINFORCED CONCRETE DECK SLAB | 43,161 SF | | |
| 0132 | 8161000000-E | 420 | GROOVING BRIDGE FLOORS | 70,340 SF | | |
| 0133 | 8182000000-E | 420 | CLASS A CONCRETE (BRIDGE) | 444.4 CY | | |
| 0134 | 8210000000-N | 422 | BRIDGE APPROACH SLABS, STATION ***** (45+22.65 -EBL-) | Lump Sum | L.S. | |
| 0135 | 8217000000-E | 425 | REINFORCING STEEL (BRIDGE) | 80,396 LB | | |
| 0136 | 8280000000-E | 440 | APPROX LBS STRUCTURAL STEEL | 1,169,400 LS | | |
| 0138 | 8328200000-E | 450 | PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53) | 12 EA | | |
| 0139 | 8364000000-E | 450 | HP12X53 STEEL PILES | 420 LF | | |
| 0140 | 8391000000-N | 450 | STEEL PILE POINTS | 6 EA | | |
| 0141 | 8503000000-E | 460 | CONCRETE BARRIER RAIL | 2,238.34 LF | | |
| 0142 | 8559000000-E | SP | CLASS II, SURFACE PREPARATION | 65.8 SY | | |
| 0143 | 8608000000-E | 876 | RIP RAP CLASS II (2'-0" THICK) | 740 TON | | |

County : Davidson, Rowan, Stanly

| Line # | Item Number | Sec # | Description | Quantity | Unit Cost | Amount |
|--------|--------------|-------|--|-------------|-----------|--------|
| 0144 | 8622000000-E | 876 | GEOTEXTILE FOR DRAINAGE | 825 SY | | |
| 0145 | 8657000000-N | 430 | ELASTOMERIC BEARINGS | Lump Sum | L.S. | |
| 0146 | 8664000000-E | SP | SHOTCRETE REPAIRS | 119.1 CF | | |
| 0147 | 8678000000-E | SP | EPOXY RESIN INJECTION | 7 LF | | |
| 0148 | 8860000000-N | SP | GENERIC STRUCTURE ITEM FIELD MEASURING | Lump Sum | L.S. | |
| 0149 | 8860000000-N | SP | GENERIC STRUCTURE ITEM STRIP SEAL EXPANSION JOINTS | Lump Sum | L.S. | |
| 0150 | 8867000000-E | SP | GENERIC STRUCTURE ITEM CLEAN BRIDGE DECK DRAINAGE SYSTEM | 900 LF | | |
| 0151 | 8867000000-E | SP | GENERIC STRUCTURE ITEM FOAM JOINT SEALS FOR PRESERVA- TION | 69.5 LF | | |
| 0152 | 8892000000-E | SP | GENERIC STRUCTURE ITEM TOP OF CAP EPOXY COATINGS | 494 SF | | |
| 0153 | 8893000000-E | SP | GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR POLYMER CONCRETE OVERLAY | 7.3 SY | | |
| 0154 | 8893000000-E | SP | GENERIC STRUCTURE ITEM PLACING & FINISHING POLYMER CONCRETE OVERLAY | 3,959 SY | | |
| 0155 | 8893000000-E | SP | GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK | 3,959 SY | | |
| 0156 | 8893000000-E | SP | GENERIC STRUCTURE ITEM SHOTBLASTING BRIDGE DECK | 3,959 SY | | |
| 0157 | 8897000000-N | SP | GENERIC STRUCTURE ITEM BEAM END EPOXY COATINGS | 30 EA | | |
| 0158 | 8897000000-N | SP | GENERIC STRUCTURE ITEM BEARING KEEPER PLATE | 10 EA | | |

County : Davidson, Rowan, Stanly

| Line # | Item Number | Sec # | Description | Quantity | Unit Cost | Amount |
|--------|--------------|-------|---|----------|-----------|--------|
| 0159 | 8897000000-N | SP | GENERIC STRUCTURE ITEM TYPE I BRIDGE JACKING BRIDGE NO 790008 | 10 | EA | |

***** BEGIN SCHEDULE AA *****
***** (2 ALTERNATES) *****

| | | | | | | |
|------|--------------|----|---|-----|----|--|
| 0160 | 8881000000-E | SP | GENERIC STRUCTURE ITEM POLYESTER POLYMER CONCRETE MATERIALS | 119 | CY | |
|------|--------------|----|---|-----|----|--|

*** OR ***

| | | | | | | |
|------|--------------|----|---|-----|----|--|
| 0161 | 8881000000-E | SP | GENERIC STRUCTURE ITEM EPOXY POLYMER CONCRETE MATERIALS | 119 | CY | |
|------|--------------|----|---|-----|----|--|

***** END SCHEDULE AA *****

1544/Oct11/Q1548853.143/D726393797000/E160 Total Amount Of Bid For Entire Project :

p:\gfn\pw\benfley.com\gfn\pw-01\Documents\Projects\63639\Task 010 B-4626\Discipline\Struct\Drawn\Rowan\B-4626-SMU_GD08_790003_008
 10/11/2021 8:56:10 AM pdf_color_gfch.FS.plt Rowan.pbn.tbi

TOTAL BILL OF MATERIAL

| | PIPE PLUGS | 24" ENCASEMENT PIPE | CONSTRUCTION, MAINTENANCE & REMOVAL OF TEMP ACCESS | REMOVAL OF EXISTING STRUCTURE | ASBESTOS ASSESSMENT | UNCLASSIFIED STRUCTURE EXCAVATION | REINFORCED CONCRETE DECK SLAB | GROOVING BRIDGE FLOORS | CLASS A CONCRETE | BRIDGE APPROACH SLABS | REINFORCING STEEL | APPROX. 1,169,400 LBS. STRUCTURAL STEEL | PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES | HP 12x53 STEEL PILES | STEEL PILE POINTS | CONCRETE BARRIER RAIL | RAP RAP CLASS II (2'-0" THICK) | GEOTEXTILE FOR DRAINAGE | ELASTOMERIC BEARINGS | SHOTCRETE REPAIRS | EPOXY RESIN INJECTION | STRIP SEAL EXPANSION JOINTS |
|----------------|------------|---------------------|--|-------------------------------|---------------------|-----------------------------------|-------------------------------|------------------------|------------------|-----------------------|-------------------|---|---|----------------------|-------------------|-----------------------|--------------------------------|-------------------------|----------------------|-------------------|-----------------------|-----------------------------|
| | CU. YDS. | LIN. FT. | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | SQ. FT. | SQ. FT. | CU. YDS. | LUMP SUM | LBS. | LUMP SUM | EA. | LIN. FT. | EA. | LIN. FT. | TONS | SQ. YDS. | LUMP SUM | CU. FT. | LIN. FT. | LUMP SUM |
| SUPERSTRUCTURE | - | - | - | - | - | - | 43,161 | 37,960 | - | - | - | - | - | - | - | 2,238.34 | - | - | - | - | - | - |
| END BENT 1 | 0.1 | 34.0 | - | - | - | - | - | - | 35.1 | - | 4,702 | - | - | 330.0 | - | - | 290 | 325 | - | - | - | - |
| BENT 1 | - | - | - | - | - | - | - | - | 18.8 | - | 3,891 | - | - | - | - | - | - | - | - | 2.0 | - | - |
| BENT 2 | - | - | - | - | - | - | - | - | 18.8 | - | 3,891 | - | - | - | - | - | - | - | - | 3.3 | - | - |
| BENT 3 | - | - | - | - | - | - | - | - | 18.8 | - | 3,891 | - | - | - | - | - | - | - | - | 10.5 | 3.0 | - |
| BENT 4 | - | - | - | - | - | - | - | - | 18.8 | - | 3,891 | - | - | - | - | - | - | - | - | 8.3 | 2.0 | - |
| BENT 5 | - | - | - | - | - | - | - | - | 55.9 | - | 8,590 | - | - | - | - | - | - | - | - | 3.7 | - | - |
| BENT 6 | - | - | - | - | - | - | - | - | 53.7 | - | 11,345 | - | - | - | - | - | - | - | - | - | - | - |
| BENT 7 | - | - | - | - | - | - | - | - | 53.7 | - | 11,345 | - | - | - | - | - | - | - | - | - | - | - |
| BENT 8 | - | - | - | - | - | - | - | - | 56.1 | - | 8,590 | - | - | - | - | - | - | - | - | 3.2 | - | - |
| BENT 9 | - | - | - | - | - | - | - | - | 18.8 | - | 3,891 | - | - | - | - | - | - | - | - | 13.6 | 2.0 | - |
| BENT 10 | - | - | - | - | - | - | - | - | 18.8 | - | 3,891 | - | - | - | - | - | - | - | - | 10.7 | - | - |
| BENT 11 | - | - | - | - | - | - | - | - | 18.8 | - | 3,891 | - | - | - | - | - | - | - | - | 19.7 | - | - |
| BENT 12 | - | - | - | - | - | - | - | - | 20.4 | - | 4,202 | - | - | - | - | - | - | - | - | 44.1 | - | - |
| END BENT 2 | 0.1 | 35.0 | - | - | - | - | - | - | 37.9 | - | 4,385 | - | - | 90.0 | 6 | - | 450 | 500 | - | - | - | - |
| TOTAL | 0.2 | 69.0 | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | 43,161 | 37,960 | 444.4 | LUMP SUM | 80,396 | LUMP SUM | 12 | 420.0 | 6 | 2,238.34 | 740 | 825 | LUMP SUM | 119.1 | 7.0 | LUMP SUM |

NOTES:

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.

FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET SN.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

REMOVABLE FORMS MAY BE USED IN LIEU OF METAL STAY-IN-PLACE FORMS IN ACCORDANCE WITH ARTICLE 420-3 OF THE STANDARD SPECIFICATIONS.

THE RAILROAD TRACK TOP OF RAIL ELEVATIONS ON THE PLANS ARE FROM THE BEST INFORMATION AVAILABLE. PRIOR TO BEGINNING BRIDGE CONSTRUCTION, VERIFY THE TOP OF RAIL ELEVATIONS AND REPORT ANY VARIATIONS TO THE ENGINEER. ANY PLAN REVISIONS NECESSARY TO ACHIEVE THE REQUIRED MINIMUM CLEARANCE WILL BE PROVIDED BY THE DEPARTMENT.

AT THE CONTRACTOR'S OPTION, AND UPON REMOVAL OF THE CAUSEWAY, THE CLASS II RIP RAP USED IN THE CAUSEWAY MAY BE PLACED AS RIP RAP SLOPE PROTECTION. SEE SPECIAL PROVISIONS FOR CONSTRUCTION, MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS AT STATION 45+22.65 -EBL-.

ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 50W AND PAINTED IN ACCORDANCE WITH SYSTEM 5 OR SYSTEM 6 OF THE STRUCTURAL STEEL SHOP COATINGS PROGRAM AND SECTION 442-8 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

THE CLASS AA CONCRETE IN THE BRIDGE DECK SHALL CONTAIN FLY ASH OR GROUND GRANULATED BLAST FURNACE SLAG AT THE SUBSTITUTION RATE SPECIFIED IN ARTICLE 1024-1 AND IN ACCORDANCE WITH ARTICLES 1024-5 AND 1024-6 OF THE STANDARD SPECIFICATIONS. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION AS IT IS CONSIDERED INCIDENTAL TO THE COST OF THE REINFORCED CONCRETE DECK SLAB.

NEEDLE BEAMS WILL NOT BE ALLOWED UNLESS OTHERWISE CALLED FOR ON THE PLANS OR APPROVED BY THE ENGINEER

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 30 FT EACH SIDE OF CENTERLINE ROADWAY AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. SEE SECTION 412 OF THE STANDARD SPECIFICATIONS.

THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS IS FROM THE BEST INFORMATION AVAILABLE. SINCE THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR, THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

PARTIAL REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED IN A MANNER THAT PREVENTS DEBRIS FROM FALLING INTO THE WATER. THE CONTRACTOR SHALL SUBMIT DEMOLITION PLANS FOR REVIEW AND REMOVE THE BRIDGE IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL STATE AND FEDERAL SAFETY REQUIREMENTS.

THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT THE EXISTING STRUCTURE WHICH IS TO REMAIN IN PLACE WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY PART OF THE EXISTING STRUCTURE WHICH IS TO REMAIN IN PLACE, THE DAMAGED AREA SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT.

ANY DAMAGE TO EXISTING REINFORCING STEEL THAT IS TO REMAIN IN PLACE DURING THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AND PERFORMED AT NO ADDITIONAL COST TO THE DEPARTMENT.

ALL PAVEMENT MARKING WILL BE IN ACCORDANCE WITH THE TRANSPORTATION MANAGEMENT PLANS.

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.

FOR THERMAL SPRAYED COATINGS (METALLIZATION), SEE SPECIAL PROVISIONS.

FOR WORK IN, OVER OR ADJACENT TO NAVIGABLE WATERS, SEE SPECIAL PROVISIONS.

FOR NAVIGATIONAL SAFETY PLAN, SEE SPECIAL PROVISIONS.

FOR SECURING OF VESSELS, SEE SPECIAL PROVISIONS.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.

FOR STRIP SEALS, SEE SPECIAL PROVISIONS.

INASMUCH AS THE PAINT SYSTEM ON THE EXISTING STRUCTURAL STEEL CONTAINS LEAD, THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLE 107-1 OF THE STANDARD SPECIFICATIONS. ANY COSTS RESULTING FROM COMPLIANCE WITH APPLICABLE STATE OR FEDERAL REGULATIONS PERTAINING TO HANDLING OF MATERIALS CONTAINING LEAD BASED PAINT SHALL BE INCLUDED IN THE BID PRICE FOR "REMOVAL OF EXISTING STRUCTURE AT STATION 45+22.65 -EBL-".

PROJECT NO. B-4626
STANLY, ROWAN
AND DAVIDSON COUNTY
 STATION: 45+22.65 -EBL-
 SHEET 8 OF 8



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
BILL OF MATERIAL
AND GENERAL NOTES

| REVISIONS | | | | | | SHEET NO. |
|-----------|-----|-------|-----|-----|-------|------------------|
| NO. | BY: | DATE: | NO. | BY: | DATE: | |
| 1 | | | 3 | | | S1-8 |
| 2 | | | 4 | | | TOTAL SHEETS 125 |

PLANS PREPARED BY:
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 (919) 420-7660
 NC Lic. No. F-0270

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : J. MYA DATE : 04/2021
 CHECKED BY : J. YANNAACONE DATE : 05/2021
 DESIGN ENGINEER OF RECORD : R. NELSON DATE : 05/2021