



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

July 11, 2014

NOTICE TO: All Prequalified Contractors

FROM: R. A. Garris, PE 
State Contract Officer

SUBJECT: Broadcast of Raleigh Central Highway Letting

Effective with the July 15, 2014 Highway Letting the broadcast of the bid opening is changing to a new format. The new method will be broadcast via LiveStream. This can be accessed by clicking on the link below or by using the following manual process.

Go to [Raleigh Central Letting](#) and click on "Live Now" which will be available 15 minutes prior to Letting.

Manual process:

Go to www.livestream.com, click on the "Watch" button and then type NCDOT Raleigh Central Letting into the search events window. Select the Raleigh Central Letting event for the desired date. Click "Live Now" to listen to the audio after the event has started.

If you have any questions, please do not hesitate to contact me at (919) 707-6900.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT UNIT
1591 MAIL SERVICE CENTER
RALEIGH NC 27699-1591

TELEPHONE: 919-707-6900
FAX: 919-250-4119

WEBSITE: WWW.NCDOT.GOV

LOCATION:
CENTURY CENTER COMPLEX
ENTRANCE B-2
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
INVITATION TO BID**

ELECTRONIC BIDS (UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIAL PROVISION) FOR THE CONSTRUCTION OF THE FOLLOWING PROJECTS WILL BE PUBLICLY READ IN ROOM 156-A/B, THE CONTRACT STANDARDS AND DEVELOPMENT UNIT LARGE CONFERENCE ROOM, LOCATED IN BUILDING B AT 1020 BIRCH RIDGE DRIVE, RALEIGH, N.C. AT **2:00 PM** ON SEPTEMBER 15, 2015. NO ELECTRONIC BIDS WILL BE RECEIVED AFTER 2.00 PM.

1. THE BIDDER SHALL PURCHASE A PROPOSAL FOR EACH PROJECT FOR WHICH HE INTENDS TO SUBMIT A BID IN RESPONSE TO THIS INVITATION TO BID.

2. A BID BOND OR BID DEPOSIT IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID WILL BE REQUIRED. THE BIDDER SHALL SUBMIT AN ELECTRONIC BID BOND WITH EACH ELECTRONIC BID SUBMITTAL UNLESS HE ELECTS TO FURNISH A BID DEPOSIT.

3. UPON RECEIPT OF AWARD LETTER, THE SUCCESSFUL BIDDER SHALL FURNISH A PROPERLY EXECUTED EXECUTION OF CONTRACT, NON-COLLUSION AFFIDAVIT AND DEBARMENT CERTIFICATION, AND EXECUTED PAYMENT AND PERFORMANCE BONDS FOR EACH CONTRACT. AFFIDAVIT FORMS AND BOND FORMS ARE AVAILABLE AS PART OF THE CONTRACT EXECUTION FORMS AT THE FOLLOWING WEBSITE
<https://connect.ncdot.gov/letting/Pages/>.

ALL QUESTIONS RELATED TO PROJECTS DURING THE ADVERTISEMENT PERIOD SHALL BE ADDRESSED TO THE STATE CONTRACT OFFICER AT 919-707-6900.

THE MINIMUM WAGE FOR LABOR WILL BE SHOWN IN THE PROPOSAL FORM FOR FEDERAL AID PROJECTS.

CONTRACTOR'S LICENSE: A GENERAL CONTRACTOR'S LICENSE IS REQUIRED IN ORDER TO SUBMIT A BID ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000.00 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. FOR ADDITIONAL INFORMATION OR TO MAKE APPLICATION FOR A LICENSE, APPLY TO THE EXECUTIVE SECRETARY OF THE CONTRACTOR LICENSING BOARD, P.O. BOX 17187, RALEIGH, NC 27619, (919-571-4183).

PREQUALIFYING TO BID: ALL PROSPECTIVE BIDDERS SHALL BE PREQUALIFIED WITH THE DEPARTMENT OF TRANSPORTATION PRIOR TO SUBMITTING A BID. CONTRACTORS WHO ARE NOT PREQUALIFIED MAY OBTAIN INFORMATION AND FORMS FOR PREQUALIFYING FROM THE CONTRACTUAL SERVICES UNIT, DIVISION OF HIGHWAYS, DEPARTMENT OF TRANSPORTATION, 1509 MAIL SERVICE CENTER, RALEIGH, N. C., . ALL REQUIRED PREQUALIFICATION STATEMENTS AND DOCUMENTS SHALL BE FILED WITH THE CONTRACTUAL SERVICES UNIT AT LEAST FOUR WEEKS PRIOR TO THE DATE OF OPENING BIDS.

THE DEPARTMENT OF TRANSPORTATION HEREBY NOTIFIES ALL BIDDERS THAT IT WILL AFFIRMATIVELY INSURE THAT IN ANY CONTRACT ENTERED INTO PURSUANT TO THIS INVITATION TO BID, MINORITY BUSINESS ENTERPRISES WILL BE AFFORDED FULL OPPORTUNITY TO SUBMIT BIDS IN RESPONSE TO THIS INVITATION AND WILL NOT BE DISCRIMINATED AGAINST ON THE GROUNDS OF RACE, COLOR, SEX, OR NATIONAL ORIGIN IN COMPENSATION TO THIS AWARD.

PROPOSAL FORMS AT **\$25.00** EACH, PLANS (SMALL SIZE) AT **\$40.00** PER SET, PLANS (LARGE SIZE) AT **\$100.00** PER SET, AND CROSS-SECTIONS AT **\$40.00** PER SET, PLUS SALES TAX FOR N.C. RESIDENTS, MAY BE OBTAINED BY TELEPHONING (919-707-6925), FAXING (919-250-4127), OR WRITING TO: PLANS AND PROPOSALS, CONTRACT STANDARDS AND DEVELOPMENT UNIT, DEPARTMENT OF TRANSPORTATION, 1591 MAIL SERVICE CENTER, RALEIGH, N.C., 27699-1591. THESE CHARGES ARE NOT DEPOSITS AND WILL NOT BE REFUNDED. ALL ORDERS FOR PROPOSAL FORMS, PLANS AND CROSS-SECTIONS DELIVERED IN NORTH CAROLINA ARE SUBJECT TO 6.75% SALES TAX. ORDERS MAILED TO OUT OF STATE CONTRACTORS ARE NOT SUBJECT TO SALES TAX. MAKE ALL CHECKS PAYABLE TO THE "N.C. DEPARTMENT OF TRANSPORTATION".

THE RIGHT IS RESERVED TO REJECT ANY OR ALL BIDS.

**TODAY'S DATE IS AUGUST 18, 2015.
BY ORDER OF THE DEPARTMENT OF TRANSPORTATION
(THE WORK WILL CONSIST APPROXIMATELY AS SHOWN ON THE FOLLOWING SHEETS)**

(Revised on 14Jul2011)

REVIEW OF PLANS AND PROPOSALS IN DIVISION OFFICE

IN ORDER TO FACILITATE AND ENCOURAGE THE INVOLVEMENT OF MINORITY BUSINESS ENTERPRISES IN THE HIGHWAY CONSTRUCTION PROCESS, IT IS THE POLICY OF THE DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, THAT A SET OF PLANS AND PROPOSAL FOR EACH PROJECT TO BE LET WILL BE MAINTAINED FOR REVIEW BY ANY CONTRACTOR INTERESTED IN BIDDING UPON OR QUOTING WORK IN AN ADVERTISED PROJECT.

THE PROPOSALS AND PLANS WILL BE AVAILABLE FOR REVIEW BEGINNING TWO WEEKS PRIOR TO THE DATE OF BID OPENING IN THE DIVISION OFFICE WHICH WILL ADMINISTER THE CONTRACT. THE DEPARTMENT WILL, UPON REQUEST, MAKE AVAILABLE FROM ITS STAFF A PERSON TO EXPLAIN THE PROPOSED PROJECT AND TO ANSWER GENERAL QUESTIONS RELATING TO THE PROJECT. THE PLANS AND PROPOSALS CAN BE REVIEWED ANY TIME MONDAY THRU FRIDAY, EXCLUDING HOLIDAYS, BETWEEN THE HOURS OF 8:00 A.M. AND 4:30 P.M. IN THE DIVISION OFFICE. IN ORDER TO HAVE A MEMBER OF THE STAFF EXPLAIN THE PROJECT AND/OR ANSWER GENERAL QUESTIONS PERTAINING TO THE PROJECT, PRIOR APPOINTMENTS MUST BE MADE BY CALLING THE APPROPRIATE DIVISION OFFICE.

FOLLOWING ARE THE LOCATIONS AND TELEPHONE NUMBERS OF THE OFFICES IN WHICH THE PLANS AND PROPOSALS WILL BE MADE AVAILABLE, REFERENCE SHOULD BE MADE TO THE SHEETS CONTAINING THE INDIVIDUAL PROJECT QUANTITIES TO DETERMINE WHICH DIVISION OFFICE WILL ADMINISTER THE CONTRACT.

| <u>DIV NO.</u> | <u>DIVISION ENGINEER</u> | <u>LOCATION</u> | <u>TOWN</u> | <u>TELEPHONE</u> |
|----------------|--------------------------|------------------------------|------------------|------------------|
| 00001 | Jerry Jennings, PE | 113 AIRPORT DRIVE, SUITE 100 | EDENTON | (252) 482-1850 |
| 00002 | John W Rouse, PE | PO BOX 1587 | GREENVILLE | (252) 439-2800 |
| 00003 | Karen Eason Collette, PE | 5501 BARBADOS BLVD | CASTLE HAYNE | (910) 341-2000 |
| 00004 | Timothy M Little, PE | PO BOX 3165 | WILSON | (252) 237-6164 |
| 00005 | Joseph R Hopkins, PE | 2612 NORTH DUKE STREET | DURHAM | (919) 220-4600 |
| 00006 | Gregory W Burns, PE | PO BOX 1150 | FAYETTEVILLE | (910) 486-1493 |
| 00007 | James M Mills, PE | PO BOX 14996 | GREENSBORO | (336) 487-0000 |
| 00008 | Robert W Stone II, PE | 902 N. SANDHILLS BLVD. | ABERDEEN | (910) 944-2344 |
| 00009 | S. Pat Ivey, PE | 375 SILAS CREEK PARKWAY | WINSTON-SALEM | (336) 747-7800 |
| 00010 | Louis L Mitchell, PE | 716 WEST MAIN STREET | ALBEMARLE | (704) 983-4400 |
| 00011 | Michael A Pettyjohn, PE | PO BOX 250 | NORTH WILKESBORO | (336) 903-9101 |
| 00012 | Reuben D Chandler, PE | PO BOX 47 | SHELBY | (704) 480-5400 |
| 00013 | Jay J Swain, PE | PO BOX 3279 | ASHEVILLE | (828) 251-6171 |
| 00014 | Ed Green, PE | 253 WEBSTER ROAD | SYLVA | (828) 586-2141 |

===== SUMMARY OF PROPOSALS =====

Bid Letting Number L150915

| RPN | Contract Id | WBS | County | Length | JobType |
|------------|--------------------|--------------------------|---------------|---------------|---|
| 001 | C203745 | 50070.3.31 | CRAVEN | 2.760 MI | BRIDGE PRESERVATION. |
| 002 | C203757 | 2016CPT.02.04.10741.2 | PITT | 6.018 MI | MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION. |
| 003 | C203755 | 2016CPT.03.03.10651 ETC. | NEW HANOVER | 8.245 MI | GRADING, DRAINAGE, PAVING & SIGNALS. |
| 004 | C203652 | 44105.3.FD1 | ROWAN | 2.390 MI | GRADING, DRAINAGE, PAVING & STRUCTURES. |
| 005 | C203593 | 34518.3.6 | ASHE, WATAUGA | 2.841 MI | GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES. |
| 006 | C203594 | 34518.3.7 | ASHE | 1.769 MI | GRADING, DRAINAGE, PAVING, AND STRUCTURES. |
| 007 | C203758 | 34518.3.6 ETC. | ASHE, WATAUGA | 4.610 MI | GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES. |
| 008 | C203580 | 36001.3.2 | WILKES | 3.496 MI | GRADING, DRAINAGE, PAVING, AND STRUCTURES. |

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID

L150915 001

CONTRACT ID : C203745 50070.3.31

DIV OFFICE GREENVILLE

LENGTH = 2.760 MI

COUNTY : CRAVEN

BRIDGE PRESERVATION.

DBE GOAL 3.0% COMPLETION DATE : JUN 15 2016

BRGS #83 & #84 ON US-70 AND BRG #222 ON NC-55/US-17 OVER TRENT RIVER AND BRG #231 ON NC-55/US-17 OVER NEUSE RIVER.

ROADWAY ITEMS

| | | |
|----------|-----|---|
| Lump Sum | LS | MOBILIZATION |
| 308 | SY | MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2") |
| 1,611 | SY | INCIDENTAL MILLING |
| 162 | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B |
| 10 | TON | ASPHALT BINDER FOR PLANT MIX |
| 690 | LF | MILLED RUMBLE STRIPS (ASPHALT CONCRETE) |
| 192 | SF | WORK ZONE SIGNS (STATIONARY) |
| 797 | SF | WORK ZONE SIGNS (PORTABLE) |
| 3 | EA | FLASHING ARROW BOARD |
| 3 | EA | PORTABLE CHANGEABLE MESSAGE SIGN |
| 80 | DAY | PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM) |
| 402 | EA | DRUMS |
| 3 | EA | TMA |
| 192 | HR | LAW ENFORCEMENT |
| 402 | EA | SKINNY DRUM |
| 363 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS) |
| 68 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS) |
| 8 | EA | THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS) |
| 14 | EA | THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) |
| 204,523 | LF | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV) |
| 25 | EA | COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV) |
| 3,961 | LF | POLYUREA PAVEMENT MARKING LINES (6", *****) (BLACK) |
| 20,302 | LF | POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS) |
| 3,966 | LF | POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS) |
| 31,057 | LF | REMOVAL OF PAVEMENT MARKING LINES (6") |
| 3,204 | LF | REMOVAL OF PAVEMENT MARKING LINES (12") |
| 5 | EA | REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS |
| 449 | EA | PERMANENT RAISED PAVEMENT MARKERS |
| 4 | EA | SNOWPLOWABLE PAVEMENT MARKERS |
| 280 | SF | GROOVING BRIDGE FLOORS |
| 15 | CY | CLASS AA CONCRETE (BRIDGE) |
| 1,297 | LB | EPOXY COATED REINFORCING STEEL (BRIDGE) |
| Lump Sum | LS | FOAM JOINT SEALS |
| Lump Sum | LS | GENERIC STRUCTURE ITEM PARTIAL REMOVAL OF EXISTING STRUCTURE |
| Lump Sum | LS | GENERIC STRUCTURE ITEM SYNTHETIC RUBBER EXPANSION JO INT SEAL |
| 300 | LB | GENERIC STRUCTURE ITEM ADDITIONAL REINFORCING STEEL |
| 5,760 | SF | GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION |
| 100 | SF | GENERIC STRUCTURE ITEM CONCRETE DECK REPAIR FOR EPOXY OVERLAY |
| 432,251 | SF | GENERIC STRUCTURE ITEM EPOXY OVERLAY SYSTEM |

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150915 002

CONTRACT ID : C203757 2016CPT.02.04.10741.2 DIV OFFICE GREENVILLE

LENGTH = 6.018 MI

COUNTY : PITT

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 4.0% WBE 1.0% COMPLETION DATE : AUG 31 2016

1 SECTION OF US-13 FROM NC-903 TO SR-1512, 1 SECTION OF NC-903 FROM US-13 TO RR CROSSING.

ROADWAY ITEMS

| | | |
|----------|-----|---|
| Lump Sum | LS | MOBILIZATION |
| 100 | TON | INCIDENTAL STONE BASE |
| 23.79 | SMI | SHOULDER RECONSTRUCTION |
| 174,426 | SY | MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/2") |
| 5,018 | SY | INCIDENTAL MILLING |
| 26,961 | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE 119.0B |
| 23,787 | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B |
| 2,721 | TON | ASPHALT BINDER FOR PLANT MIX |
| 3 | EA | ADJUSTMENT OF METER BOXES OR VALVE BOXES |
| 3,158 | SF | WORK ZONE ADVANCE/GENERAL WARNING SIGNING |
| Lump Sum | LS | TEMPORARY TRAFFIC CONTROL |
| 3.01 | ACR | SEEDING & MULCHING |

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150915 003

CONTRACT ID : C203755 2016CPT.03.03.10651 DIV OFFICE CASTLE HAYNE

LENGTH = 8.245 MI

COUNTY : NEW HANOVER

GRADING, DRAINAGE, PAVING & SIGNALS.

DBE GOAL 14.0% COMPLETION DATE : NOV 21 2017

US-421 FROM BRIDGE #30 TO NORTH OF GEORGE ANDERSON DRIVE.

| ROADWAY ITEMS | | | | | |
|---------------|-----|--|----------|-----|--|
| | | | 5 | EA | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) |
| | | | 4 | EA | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G) |
| Lump Sum | LS | MOBILIZATION | | | |
| Lump Sum | LS | CONSTRUCTION SURVEYING | | | |
| Lump Sum | LS | CLEARING & GRUBBING . ACRE(S) | | | |
| 1 | ACR | SUPPLEMENTARY CLEARING & GRUBBING | 6 | EA | FRAME WITH COVER, STD 840.54 |
| 12.010 | CY | UNCLASSIFIED EXCAVATION | 13 | EA | CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN |
| 1.000 | CY | UNDERCUT EXCAVATION | 47 | EA | CONCRETE TRANSITIONAL SECTION FOR DROP INLET |
| 1.800 | CY | DRAINAGE DITCH EXCAVATION | 2,490 | LF | 2'-6" CONCRETE CURB & GUTTER |
| 880 | SY | REMOVAL OF EXISTING ASPHALT PAVEMENT | 150 | LF | CONCRETE EXPRESSWAY GUTTER |
| 1.000 | CY | SELECT GRANULAR MATERIAL | 320 | SY | 6" CONCRETE DRIVEWAY |
| 8.500 | SY | GEOTEXTILE FOR SOIL STABILIZATION | 1,180 | SY | 4" CONCRETE ISLAND COVER |
| 1.350 | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES | 4,690 | SY | 5" MONOLITHIC CONCRETE ISLANDS (SURFACE MOUNTED) |
| 4.240 | SY | FOUNDATION CONDITIONING GEOTEXTILE | 50 | LF | GENERIC PAVING ITEM REMOVE & REPLACE 2'-6" CURB & GUTTER |
| 60 | LF | 15" DRAINAGE PIPE | 1 | EA | ADJUSTMENT OF MANHOLES |
| 198 | LF | 24" DRAINAGE PIPE | 30 | TON | RIP RAP, CLASS I |
| 576 | LF | 30" DRAINAGE PIPE | 60 | TON | RIP RAP, CLASS B |
| 6.148 | LF | 15" RC PIPE CULVERTS, CLASS IV | 775 | SY | GEOTEXTILE FOR DRAINAGE |
| 3,688 | LF | 18" RC PIPE CULVERTS, CLASS IV | 780.75 | SF | CONTRACTOR FURNISHED, TYPE *** SIGN (E) |
| 1,598 | LF | 24" RC PIPE CULVERTS, CLASS IV | 314.13 | SF | CONTRACTOR FURNISHED, TYPE *** SIGN (F) |
| 412 | LF | 30" RC PIPE CULVERTS, CLASS IV | | | |
| 32 | LF | 36" RC PIPE CULVERTS, CLASS IV | | | |
| 2 | EA | *** PIPE END SECTION (15") | 1,500 | LF | SUPPORTS, 3-LB STEEL U-CHANNEL |
| 2.806 | LF | PIPE REMOVAL | 83 | EA | SIGN ERECTION, TYPE E |
| 8 | EA | PIPE CLEAN-OUT | 37 | EA | SIGN ERECTION, TYPE F |
| Lump Sum | LS | FINE GRADING | Lump Sum | LS | GENERIC TRAFFIC CONTROL ITEM WORK ZONE TRAFFIC CONTROL |
| 2.500 | CY | SHALLOW UNDERCUT | 97,167 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS) |
| 4.780 | TON | CLASS IV SUBGRADE STABILIZATION | 31,893 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS) |
| 500 | TON | CLASS IV AGGREGATE STABILIZATION | 36,439 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS) |
| 700 | TON | INCIDENTAL STONE BASE | 840 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS) |
| 75,509 | SY | MILLING ASPHALT PAVEMENT, **** DEPTH (4") | 1,606 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS) |
| 4.070 | SY | MILLING ASPHALT PAVEMENT, **** TO ***** (1-1/2" TO 4") | 40 | EA | THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS) |
| 6.212 | SY | INCIDENTAL MILLING | 326 | EA | THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) |
| 15,850 | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B | 739 | EA | PERMANENT RAISED PAVEMENT MARKERS |
| 36,340 | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B | 3,594 | EA | SNOWPLOWABLE PAVEMENT MARKERS |
| 23,420 | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B | Lump Sum | LS | PORTABLE LIGHTING |
| 3.850 | TON | ASPHALT BINDER FOR PLANT MIX | 46,890 | LF | TEMPORARY SILT FENCE |
| 1,161 | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR | 1,815 | TON | STONE FOR EROSION CONTROL, CLASS A |
| 750 | TON | PATCHING EXISTING PAVEMENT | 145 | TON | STONE FOR EROSION CONTROL, CLASS B |
| 99,826 | SY | GENERIC PAVING ITEM 1-1/2" FINE MILLING | 2,035 | TON | SEDIMENT CONTROL STONE |
| 112 | CY | SUBDRAIN EXCAVATION | 24.5 | ACR | TEMPORARY MULCHING |
| 500 | SY | GEOTEXTILE FOR SUBSURFACE DRAINS | 1,600 | LB | SEED FOR TEMPORARY SEEDING |
| 84 | CY | SUBDRAIN COARSE AGGREGATE | 8 | TON | FERTILIZER FOR TEMPORARY SEEDING |
| 500 | LF | 6" PERFORATED SUBDRAIN PIPE | 200 | LF | TEMPORARY SLOPE DRAINS |
| 1 | EA | SUBDRAIN PIPE OUTLET | 6,400 | LF | SAFETY FENCE |
| 6 | LF | 6" OUTLET PIPE | 1,860 | CY | SILT EXCAVATION |
| 3.15 | CY | PIPE COLLARS | 1,000 | SY | MATTING FOR EROSION CONTROL |
| 121 | EA | MASONRY DRAINAGE STRUCTURES | 100 | SY | COIR FIBER MAT |
| 4.4 | LF | MASONRY DRAINAGE STRUCTURES | 2,550 | LF | 1/4" HARDWARE CLOTH |
| 52 | EA | FRAME WITH TWO GRATES, STD 840.16 | 2,460 | LF | WATTLE |
| 49 | EA | FRAME WITH TWO GRATES, STD 840.24 | 265 | LB | POLYACRYLAMIDE (PAM) |
| 1 | EA | FRAME WITH TWO GRATES, STD 840.29 | 30 | LF | COIR FIBER BAFFLE |
| 4 | EA | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E) | 15 | ACR | SEEDING & MULCHING |
| | | | 15 | ACR | MOWING |
| | | | 251 | LB | SEED FOR REPAIR SEEDING |
| | | | 0.75 | TON | FERTILIZER FOR REPAIR SEEDING |
| | | | 525 | LB | SEED FOR SUPPLEMENTAL SEEDING |
| | | | 16 | TON | FERTILIZER TOPDRESSING |

| | | |
|--------|-----|--|
| 11 | MHR | SPECIALIZED HAND MOWING |
| 25 | EA | RESPONSE FOR EROSION CONTROL |
| 4 | EA | GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE |
| 1,310 | LF | SIGNAL CABLE |
| 7 | EA | VEHICLE SIGNAL HEAD (12", 3 SECTION) |
| 3 | EA | VEHICLE SIGNAL HEAD (12", 4 SECTION) |
| 1 | EA | VEHICLE SIGNAL HEAD (12", 5 SECTION) |
| 500 | LF | MESSENGER CABLE (1/4") |
| 600 | LF | MESSENGER CABLE (3/8") |
| 475 | LF | UNPAVED TRENCHING (***** (1, 2") |
| 25 | LF | UNPAVED TRENCHING (***** (4, 2") |
| 250 | LF | DIRECTIONAL DRILL (***** (1, 2") |
| 19 | EA | JUNCTION BOX (STANDARD SIZE) |
| 4 | EA | WOOD POLE |
| 8 | EA | GUY ASSEMBLY |
| 3 | EA | 1" RISER WITH WEATHERHEAD |
| 4 | EA | 2" RISER WITH WEATHERHEAD |
| 11,925 | LF | INDUCTIVE LOOP SAWCUT |
| 27,575 | LF | LEAD-IN CABLE (***** (14-2) |
| 5 | EA | SIGN FOR SIGNALS |
| 1 | EA | DETECTOR CARD (TYPE 2070L) |
| 2 | EA | GENERIC SIGNAL ITEM FURNISH & INSTALL AUXILLARY OUTPUT FILE |
| 1 | EA | GENERIC SIGNAL ITEM FURNISH & INSTALL MODEL 2010 ENHANCED CONFLICT MONITOR |

| | | | | | | |
|---------|-----|--|----------|-----|--|--|
| | | | 144 | LF | 4'-0" DIA DRILLED PIERS NOT IN SOIL | |
| | | | 78.01 | LF | PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER | |
| 60,339 | LF | POLYUREA PAVEMENT MARKING LINES (4" *****) (HIGHLY REFLECTIVE ELEMENTS) | 4 | EA | CSL TESTING | |
| 2,156 | LF | REMOVAL OF PAVEMENT MARKING LINES (4") | Lump Sum | LS | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (31+84.50 -L-) | |
| 7 | EA | PERMANENT RAISED PAVEMENT MARKERS | 27,053 | SF | REINFORCED CONCRETE DECK SLAB | |
| 205 | EA | SNOWPLOWABLE PAVEMENT MARKERS | 24,963 | SF | GROOVING BRIDGE FLOORS | |
| 9 | EA | 7' U-CHANNEL POSTS | 347.2 | CY | CLASS A CONCRETE (BRIDGE) | |
| 9 | EA | OBJECT MARKERS (END OF ROAD) | Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (31+84.50 -L-) | |
| 36,300 | LF | TEMPORARY SILT FENCE | 83,030 | LB | REINFORCING STEEL (BRIDGE) | |
| 1,040 | TON | STONE FOR EROSION CONTROL, CLASS A | 14,953 | LB | SPIRAL COLUMN REINFORCING STEEL (BRIDGE) | |
| 9,120 | TON | STONE FOR EROSION CONTROL, CLASS B | 2,619.17 | LF | MODIFIED 72" PRESTRESSED CONC GIRDERS | |
| 4,040 | TON | SEDIMENT CONTROL STONE | 595 | LF | HP12X53 STEEL PILES | |
| 60 | ACR | TEMPORARY MULCHING | 17 | EA | STEEL PILE POINTS | |
| 3,000 | LB | SEED FOR TEMPORARY SEEDING | 1,055.42 | LF | CONCRETE BARRIER RAIL | |
| 17.5 | TON | FERTILIZER FOR TEMPORARY SEEDING | 13 | SY | 4" SLOPE PROTECTION | |
| 3,250 | LF | TEMPORARY SLOPE DRAINS | 885 | TON | RIP RAP CLASS II (2'-0" THICK) | |
| 1,400 | LF | SAFETY FENCE | 983 | SY | GEOTEXTILE FOR DRAINAGE | |
| 19,920 | CY | SILT EXCAVATION | Lump Sum | LS | ELASTOMERIC BEARINGS | |
| 242,000 | SY | MATTING FOR EROSION CONTROL | Lump Sum | LS | FOAM JOINT SEALS | |
| 100 | SY | COIR FIBER MAT | | | | |
| 4,860 | SY | PERMANENT SOIL REINFORCEMENT MAT | | | | |
| 5,200 | LF | 1/4" HARDWARE CLOTH | | | | |
| 155 | LF | *** TEMPORARY PIPE (18") | | | | |
| 130 | LF | *** TEMPORARY PIPE (24") | | | | |
| 2,120 | CY | STILLING BASINS | | | | |
| 2,350 | LF | WATTLE | | | | |
| 2,550 | LB | POLYACRYLAMIDE (PAM) | | | | |
| 5,300 | LF | COIR FIBER BAFFLE | | | | |
| 13 | EA | *** SKIMMER (1-1/2") | | | | |
| 2 | EA | *** SKIMMER (2") | | | | |
| 40 | ACR | SEEDING & MULCHING | | | | |
| 40 | ACR | MOWING | | | | |
| 600 | LB | SEED FOR REPAIR SEEDING | | | | |
| 2 | TON | FERTILIZER FOR REPAIR SEEDING | | | | |
| 1,225 | LB | SEED FOR SUPPLEMENTAL SEEDING | | | | |
| 36,25 | TON | FERTILIZER TOPDRESSING | | | | |
| 159 | LF | IMPERVIOUS DIKE | | | | |
| 10 | MHR | SPECIALIZED HAND MOWING | | | | |
| 100 | EA | RESPONSE FOR EROSION CONTROL | | | | |
| 2,803 | CY | CULVERT DIVERSION CHANNEL | | | | |
| 12 | EA | GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE | | | | |

CULVERT ITEMS

| | | | | | |
|----------|-----|--|--|--|--|
| Lump Sum | LS | CULVERT EXCAVATION, STA ***** (108+21.00-L-) | | | |
| Lump Sum | LS | CULVERT EXCAVATION, STA ***** (31+84.50 -L-) | | | |
| 284 | TON | FOUNDATION CONDITIONING MATERIAL, BOX CULVERT | | | |
| 660.7 | CY | CLASS A CONCRETE (CULVERT) | | | |
| 88,242 | LB | REINFORCING STEEL (CULVERT) | | | |
| Lump Sum | LS | GENERIC CULVERT ITEM PLACEMENT OF NATURAL STREAMBED MATERIAL | | | |
| Lump Sum | LS | GENERIC CULVERT ITEM PLACEMENT OF NATURAL STREAMBED MATERIAL | | | |

WALL ITEMS

| | | | | | |
|-------|----|-----------------------------------|--|--|--|
| 3,250 | SF | MSE RETAINING WALL NO **** (1) | | | |
|-------|----|-----------------------------------|--|--|--|

STRUCTURE ITEMS

| | | | | | |
|-------|----|---------------------------------|--|--|--|
| 178.5 | LF | 4'-0" DIA DRILLED PIERS IN SOIL | | | |
|-------|----|---------------------------------|--|--|--|

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150915 005

CONTRACT ID : C203593 34518.3.6

DIV OFFICE NORTH WILKESBORO

LENGTH = 2.841 MI

COUNTY : ASHE, WATAUGA

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

MBE GOAL 5.0% WBE 8.0% COMPLETION DATE : NOV 27 2020

US-221 FROM US-421 IN WATAUGA COUNTY TO SR-1003 (IDLEWOOD RD) IN ASHE COUNTY.

| ROADWAY ITEMS | | | | | |
|---------------|-----|--|----------|-----|--|
| | | | 380 | TON | LIME FOR LIME TREATED SOIL |
| | | | 500 | CY | SHALLOW UNDERCUT |
| | | | 200 | TON | CLASS IV SUBGRADE STABILIZATION |
| Lump Sum | LS | MOBILIZATION | | | |
| Lump Sum | LS | CONSTRUCTION SURVEYING | 250 | TON | STABILIZER AGGREGATE |
| Lump Sum | LS | CLEARING & GRUBBING . ACRE(S) | 9,716 | SY | GEOTEXTILE FOR PAVEMENT STABILIZATION |
| 2 | ACR | SUPPLEMENTARY CLEARING & GRUBBING | 55,500 | TON | AGGREGATE BASE COURSE |
| 21 | EA | SEALING ABANDONED WELLS | 56,710 | SY | SOIL CEMENT BASE |
| 593,100 | CY | UNCLASSIFIED EXCAVATION | 1,560 | TON | PORTLAND CEMENT FOR SOIL CEMENT BASE |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (11+15 -L-) | 14,180 | GAL | ASPHALT CURING SEAL |
| 200 | CY | UNDERCUT EXCAVATION | 2,000 | TON | INCIDENTAL STONE BASE |
| 30,600 | CY | BORROW EXCAVATION | 4,041 | GAL | PRIME COAT |
| 2,340 | CY | DRAINAGE DITCH EXCAVATION | 6,000 | SY | MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2") |
| 6,840 | LF | BERM DITCH CONSTRUCTION | 600 | SY | INCIDENTAL MILLING |
| 34,750 | SY | REMOVAL OF EXISTING ASPHALT PAVEMENT | 12,800 | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B |
| 20 | HR | PROOF ROLLING | 6,900 | TON | ASPHALT CONC BASE COURSE, TYPE B25.0C |
| 200 | CY | SELECT GRANULAR MATERIAL | 26,850 | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B |
| 4,300 | SY | GEOTEXTILE FOR SOIL STABILIZATION | 21,700 | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B |
| 10,900 | SF | TEMPORARY SHORING | 8,500 | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5C |
| 100 | TON | GENERIC GRADING ITEM | 2,450 | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A |
| | | STOCKPILING CONTAMINATED SOIL | 4,120 | TON | ASPHALT BINDER FOR PLANT MIX |
| 2,772 | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES | 1,000 | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR |
| 13,560 | SY | FOUNDATION CONDITIONING GEOTEXTILE | 336 | CY | SUBDRAIN EXCAVATION |
| 1,076 | LF | 15" SIDE DRAIN PIPE | 1,000 | SY | GEOTEXTILE FOR SUBSURFACE DRAINS |
| 1,032 | LF | 18" SIDE DRAIN PIPE | 168 | CY | SUBDRAIN COARSE AGGREGATE |
| 184 | LF | 24" SIDE DRAIN PIPE | 1,000 | LF | 6" PERFORATED SUBDRAIN PIPE |
| 12 | EA | *** SIDE DRAIN PIPE ELBOWS (15") | 2 | EA | SUBDRAIN PIPE OUTLET |
| 28 | EA | *** SIDE DRAIN PIPE ELBOWS (18") | 12 | LF | 6" OUTLET PIPE |
| 4 | EA | *** SIDE DRAIN PIPE ELBOWS (24") | 15 | TON | BLOTTING SAND |
| 7,500 | LF | 15" RC PIPE CULVERTS, CLASS III | 50 | CY | ENDWALLS |
| 2,744 | LF | 18" RC PIPE CULVERTS, CLASS III | 24 | CY | REINFORCED ENDWALLS |
| 2,844 | LF | 24" RC PIPE CULVERTS, CLASS III | 0.68 | CY | PIPE PLUGS |
| 1,032 | LF | 30" RC PIPE CULVERTS, CLASS III | 17 | CY | FLOWABLE FILL |
| 708 | LF | 36" RC PIPE CULVERTS, CLASS III | 161 | EA | MASONRY DRAINAGE STRUCTURES |
| 276 | LF | 42" RC PIPE CULVERTS, CLASS III | 79 | CY | MASONRY DRAINAGE STRUCTURES |
| 704 | LF | 48" RC PIPE CULVERTS, CLASS III | 185 | LF | MASONRY DRAINAGE STRUCTURES |
| 132 | LF | 54" RC PIPE CULVERTS, CLASS III | 16 | EA | FRAME WITH TWO GRATES, STD 840.16 |
| 144 | LF | 60" RC PIPE CULVERTS, CLASS III | 62 | EA | FRAME WITH TWO GRATES, STD 840.20 |
| 144 | LF | 66" RC PIPE CULVERTS, CLASS III | 41 | EA | FRAME WITH TWO GRATES, STD 840.22 |
| 204 | LF | 15" RC PIPE CULVERTS, CLASS IV | 19 | EA | FRAME WITH TWO GRATES, STD 840.24 |
| 180 | LF | 18" RC PIPE CULVERTS, CLASS IV | 11 | EA | FRAME WITH TWO GRATES, STD 840.29 |
| 7 | EA | *** PIPE END SECTION (15") | 1 | EA | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E) |
| 3 | EA | *** PIPE END SECTION (18") | 1 | EA | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) |
| 168 | LF | *** CS PIPE CULVERTS, ***** THICK (36", 0.079") | 13 | EA | FRAME WITH COVER, STD 840.54 |
| 37 | LF | ***** X ***** CS PIPE ARCH CULVERTS, ***** THICK (87" X 63", 0.109") | 16 | EA | CONCRETE TRANSITIONAL SECTION FOR DROP INLET |
| 100 | LF | *** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (54", 0.75") | Lump Sum | LS | GENERIC DRAINAGE ITEM ENERGY DISSIPATOR BASIN |
| 5,175 | LF | PIPE REMOVAL | 24,270 | LF | **,** CONCRETE CURB & GUTTER (2'-9") |
| 175 | SY | 6" SLOPE PROTECTION | 1,140 | LF | 2'-6" CONCRETE CURB & GUTTER |
| Lump Sum | LS | FINE GRADING | 30 | LF | SHOULDER BERM GUTTER |
| 37,810 | SY | LIME TREATED SOIL (SLURRY METHOD) | 2,810 | LF | CONCRETE EXPRESSWAY GUTTER |
| | | | 410 | SY | 4" CONCRETE PAVED DITCH |
| | | | 2,670 | SY | 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN) |

| | | | | | |
|----------|-----|--|----------|-----|--|
| | | | 730 | SF | WORK ZONE SIGNS (PORTABLE) |
| | | | 680 | SF | WORK ZONE SIGNS (BARRICADE MOUNTED) |
| 733.29 | LF | CONCRETE BARRIER, TYPE ***** (T) | 2 | EA | FLASHING ARROW BOARD |
| 1,775 | LF | CONCRETE BARRIER, TYPE ***** (T1) | 3 | EA | PORTABLE CHANGEABLE MESSAGE SIGN |
| 555 | LF | CONCRETE BARRIER, TYPE ***** (T2) | 372 | EA | DRUMS |
| 2 | EA | CONCRETE BARRIER TRANSITION SECTION | 372 | EA | CONES |
| 375 | LF | PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED | 600 | LF | BARRICADES (TYPE III) |
| 1 | EA | GENERIC PAVING ITEM | 720 | DAY | FLAGGER |
| | | MEDIAN HAZARD PROTECTION | 9 | EA | TEMPORARY CRASH CUSHIONS |
| 4 | EA | IMPACT ATTENUATOR UNIT, TYPE 350 | 6 | EA | RESET TEMPORARY CRASH CUSHION |
| 12,800 | LF | STEEL BM GUARDRAIL | 2 | EA | TMA |
| 1,262.5 | LF | STEEL BM GUARDRAIL, SHOP CURVED | 11,000 | LF | PORTABLE CONCRETE BARRIER |
| 10 | EA | ADDITIONAL GUARDRAIL POSTS | 500 | LF | PORTABLE CONCRETE BARRIER (ANCHORED) |
| 6 | EA | GUARDRAIL ANCHOR UNITS, TYPE ***** (350, TL-2) | 7,600 | LF | RESET PORTABLE CONCRETE BARRIER |
| 5 | EA | GUARDRAIL ANCHOR UNITS, TYPE AT-1 | 40 | HR | LAW ENFORCEMENT |
| 16 | EA | GUARDRAIL ANCHOR UNITS, TYPE CAT-1 | 1,570 | EA | TEMPORARY RAISED PAVEMENT MARKERS |
| 21 | EA | GUARDRAIL ANCHOR UNITS, TYPE 350 | 430 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS) |
| 5 | EA | GUARDRAIL ANCHOR UNITS, TYPE B-77 | 253 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS) |
| 691 | LF | REMOVE EXISTING GUARDRAIL | 54 | EA | THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) |
| 2 | EA | TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350 | 760 | LF | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV) |
| 2 | EA | GENERIC GUARDRAIL ITEM 25'-0" CLEAR SPAN | 539,813 | LF | PAINT PAVEMENT MARKING LINES (4") |
| 27,810 | LF | WOVEN WIRE FENCE, 47" FABRIC | 1,639 | LF | PAINT PAVEMENT MARKING LINES (6") |
| 1,575 | EA | 4" TIMBER FENCE POSTS, 7'-6" LONG | 15,909 | LF | PAINT PAVEMENT MARKING LINES (8") |
| 800 | EA | 5" TIMBER FENCE POSTS, 8'-0" LONG | 700 | LF | PAINT PAVEMENT MARKING LINES (12") |
| 1,000 | LF | ADDITIONAL BARBED WIRE | 740 | LF | PAINT PAVEMENT MARKING LINES (24") |
| 5,600 | LF | GENERIC FENCING ITEM | 8 | EA | PAINT PAVEMENT MARKING CHARACTER |
| | | TEMPORARY 4 STRAND BARBED WIRE FENCE WITH POSTS | 139 | EA | PAINT PAVEMENT MARKING SYMBOL |
| 2,760 | TON | RIP RAP, CLASS I | 118,875 | LF | POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS) |
| 140 | TON | RIP RAP, CLASS II | 7,618 | LF | POLYUREA PAVEMENT MARKING LINES (8", *****) (HIGHLY REFLECTIVE ELEMENTS) |
| 2,650 | TON | RIP RAP, CLASS B | 40,324 | LF | REMOVAL OF PAVEMENT MARKING LINES (4") |
| 13,525 | SY | GEOTEXTILE FOR DRAINAGE | 932 | EA | SNOWFLOWABLE PAVEMENT MARKERS |
| 3 | EA | PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON | 64 | EA | FLEXIBLE DELINEATORS (YELLOW) |
| 19 | CY | REINFORCED CONCRETE SIGN FOUNDATIONS | 35 | EA | FLEXIBLE DELINEATORS (CRYSTAL & RED) |
| 2 | CY | PLAIN CONCRETE SIGN FOUNDATIONS | 7,247 | LF | ABANDON 6" UTILITY PIPE |
| 18 | CY | OVERHEAD FOOTING | 393 | LF | ABANDON 10" UTILITY PIPE |
| 9,033 | LB | SUPPORTS, BREAKAWAY STEEL BEAM | 24 | LF | TRENCHLESS INSTALLATION OF 6" IN SOIL |
| 5,609 | LB | SUPPORTS, SIMPLE STEEL BEAM | 24 | LF | TRENCHLESS INSTALLATION OF 6" NOT IN SOIL |
| 3,571 | LF | SUPPORTS, 3-LB STEEL U-CHANNEL | 617 | LF | TRENCHLESS INSTALLATION OF 10" IN SOIL |
| 7 | EA | SUPPORTS, BARRIER (SMALL) | 617 | LF | TRENCHLESS INSTALLATION OF 10" NOT IN SOIL |
| Lump Sum | LS | SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (24+64 -L-) | 5,832 | LF | 6" GAS LINE |
| 5 | EA | SIGN ERECTION, TYPE D | 1,340 | LF | 10" GAS LINE |
| 173 | EA | SIGN ERECTION, TYPE E | 1 | EA | GENERIC UTILITY ITEM 10" GAS BYPASS |
| 21 | EA | SIGN ERECTION, TYPE F | 14 | EA | GENERIC UTILITY ITEM 6" GAS BYPASS |
| 4 | EA | SIGN ERECTION, TYPE *** (OVERHEAD) (A) | 1 | EA | GENERIC UTILITY ITEM GAS LAUNCHER/RECEIVER STATION |
| 10 | EA | SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A) | Lump Sum | LS | GENERIC UTILITY ITEM THIRD PARTY INSPECTION SERVICES |
| 2 | EA | SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B) | 55,000 | LF | TEMPORARY SILT FENCE |
| 2 | EA | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (A) | 3,500 | TON | STONE FOR EROSION CONTROL, CLASS A |
| 1 | EA | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (B) | 12,500 | TON | STONE FOR EROSION CONTROL, CLASS B |
| 5 | EA | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E) | 8,000 | TON | SEDIMENT CONTROL STONE |
| 1 | EA | DISPOSAL OF SUPPORT, STEEL BEAM | 65 | ACR | TEMPORARY MULCHING |
| 2 | EA | DISPOSAL OF SUPPORT, WOOD | 4,000 | LB | SEED FOR TEMPORARY SEEDING |
| 3 | EA | DISPOSAL OF SIGN SYSTEM, STEEL BEAM | 22.5 | TON | FERTILIZER FOR TEMPORARY SEEDING |
| 50 | EA | DISPOSAL OF SIGN SYSTEM, U-CHANNEL | 6,100 | LF | TEMPORARY SLOPE DRAINS |
| 4 | EA | DISPOSAL OF SUPPORT, U-CHANNEL | 2,800 | LF | SAFETY FENCE |
| 769 | SF | WORK ZONE SIGNS (STATIONARY) | 33,030 | CY | SILT EXCAVATION |
| | | | 145,000 | SY | MATTING FOR EROSION CONTROL |
| | | | 250 | SY | COIR FIBER MAT |
| | | | 1,460 | SY | PERMANENT SOIL REINFORCEMENT MAT |

STRUCTURE ITEMS

| | | | | | |
|-------|-----|--|----------|----|---|
| 9,360 | LF | 1/4" HARDWARE CLOTH | Lump Sum | LS | FOUNDATION EXCAVATION FOR BENT |
| 405 | LF | *** TEMPORARY PIPE (15") | | | ** AT STATION ***** (1, 11+18.63 -L-) |
| 195 | LF | *** TEMPORARY PIPE (18") | 1 | EA | PDA TESTING |
| 145 | LF | *** TEMPORARY PIPE (24") | 10,974 | SF | REINFORCED CONCRETE DECK SLAB |
| 300 | CY | STILLING BASINS | 10,426 | SF | GROOVING BRIDGE FLOORS |
| 3,500 | LF | COIR FIBER WATTLE | 220.8 | CY | CLASS A CONCRETE (BRIDGE) |
| 3,900 | LB | POLYACRYLAMIDE (PAM) | Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (11+18.63 -L-) |
| 7,100 | LF | COIR FIBER BAFFLE | 30,842 | LB | REINFORCING STEEL (BRIDGE) |
| 8 | EA | *** SKIMMER (1-1/2") | 2,309 | LB | SPIRAL COLUMN REINFORCING STEEL (BRIDGE) |
| 8 | EA | *** SKIMMER (2") | 1,067.88 | LF | 54" PRESTRESSED CONCRETE GIR- DERS |
| 2 | EA | *** SKIMMER (2-1/2") | 1,020 | LF | HP12X53 STEEL PILES |
| 65 | ACR | SEEDING & MULCHING | 680 | LF | HP14X73 STEEL PILES |
| 65 | ACR | MOWING | 402.57 | LF | CONCRETE BARRIER RAIL |
| 1,000 | LB | SEED FOR REPAIR SEEDING | 886 | SY | 4" SLOPE PROTECTION |
| 3.25 | TON | FERTILIZER FOR REPAIR SEEDING | Lump Sum | LS | ELASTOMERIC BEARINGS (11+18.63 -L-) |
| 1,800 | LB | SEED FOR SUPPLEMENTAL SEEDING | Lump Sum | LS | EXPANSION JOINT SEALS (11+18.63 -L-) |
| 53.5 | TON | FERTILIZER TOPDRESSING | | | |
| 510 | LF | IMPERVIOUS DIKE | | | |
| 65 | MHR | SPECIALIZED HAND MOWING | | | |
| 150 | EA | RESPONSE FOR EROSION CONTROL | | | |
| 950 | CY | CULVERT DIVERSION CHANNEL | | | |
| 2.5 | ACR | REFORESTATION | | | |
| 12 | EA | GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE | | | |
| 1,150 | LF | SIGNAL CABLE | | | |
| 3 | EA | VEHICLE SIGNAL HEAD (12", 3 SECTION) | | | |
| 1 | EA | VEHICLE SIGNAL HEAD (12", 4 SECTION) | | | |
| 310 | LF | MESSENGER CABLE (3/8") | | | |
| 80 | LF | UNPAVED TRENCHING (***** (1, 2") | | | |
| 1,100 | LF | UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN | | | |
| 1 | EA | WOOD POLE | | | |
| 2 | EA | GUY ASSEMBLY | | | |
| 1 | EA | 1" RISER WITH WEATHERHEAD | | | |
| 2 | EA | 2" RISER WITH WEATHERHEAD | | | |
| 870 | LF | INDUCTIVE LOOP SAWCUT | | | |
| 7,310 | LF | LEAD-IN CABLE (***** (14-2) | | | |
| 2 | EA | SIGN FOR SIGNALS | | | |
| 1 | EA | CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED) | | | |
| 5 | EA | DETECTOR CARD (TYPE 2070L) | | | |
| 1 | EA | TRAFFIC SIGNAL REMOVAL | | | |
| 4 | EA | METAL POLE FOUNDATION REMOVAL | | | |
| 4 | EA | METAL POLE REMOVAL | | | |

CULVERT ITEMS

| | | |
|----------|-----|---|
| Lump Sum | LS | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (66+11.00 -L-) |
| Lump Sum | LS | CULVERT EXCAVATION, STA ***** (16+10.00 -LPC-) |
| Lump Sum | LS | CULVERT EXCAVATION, STA ***** (66+11.00 -L-) |
| Lump Sum | LS | CULVERT EXCAVATION, STA ***** (9+89.00 -LPC-) |
| 657 | TON | FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT |
| 888.1 | CY | CLASS A CONCRETE (CULVERT) |
| 100,483 | LB | REINFORCING STEEL (CULVERT) |

WALL ITEMS

| | | |
|-------|----|---|
| 4,000 | SF | MSE RETAINING WALL NO **** (1 @ 6+88.85 -RPB-) |
| 1,250 | SF | MSE RETAINING WALL NO **** (2) |

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150915 006

CONTRACT ID : C203594 34518.3.7

DIV OFFICE NORTH WILKESBORO

LENGTH = 1.769 MI

COUNTY : ASHE

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

MBE GOAL 5.0% WBE 8.0% COMPLETION DATE : NOV 27 2020

US-221 FROM SR-1003 (IDLEWOOD RD) TO NORTH OF SOUTH FORK NEW RIVER.

| ROADWAY ITEMS | | | | | |
|---------------|-----|--|----------|-----|---|
| | | | 142 | LF | *** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.469") |
| | | | 142 | LF | *** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.469") |
| Lump Sum | LS | MOBILIZATION | | | |
| Lump Sum | LS | CONSTRUCTION SURVEYING | | | |
| Lump Sum | LS | CLEARING & GRUBBING . ACRE(S) | | | |
| 3 | ACR | SUPPLEMENTARY CLEARING & GRUB- BING | 2,722 | LF | PIPE REMOVAL |
| | | | Lump Sum | LS | FINE GRADING |
| 12 | EA | SEALING ABANDONED WELLS | 27,550 | SY | LIME TREATED SOIL (SLURRY METHOD) |
| 954,700 | CY | UNCLASSIFIED EXCAVATION | 280 | TON | LIME FOR LIME TREATED SOIL |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (198+60.20 -L-) | 15 | TON | #57 STONE |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (198+69.40 -L-) | 500 | CY | SHALLOW UNDERCUT |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (198+69.40 -L-) | 200 | TON | CLASS IV SUBGRADE STABILIZA- TION |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (234+07.70 -L-) | 250 | TON | STABILIZER AGGREGATE |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (234+07.70 -L-) | 12,034 | SY | GEOTEXTILE FOR PAVEMENT STA- BILIZATION |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (242+63.23 -L-) | 41,400 | TON | AGGREGATE BASE COURSE |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (242+63.23 -L-) | 41,320 | SY | SOIL CEMENT BASE |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (242+71.61 -L-) | 1,137 | TON | PORTLAND CEMENT FOR SOIL CE- MENT BASE |
| 200 | CY | UNDERCUT EXCAVATION | 10,340 | GAL | ASPHALT CURING SEAL |
| 2,820 | CY | DRAINAGE DITCH EXCAVATION | 1,970 | TON | INCIDENTAL STONE BASE |
| 330 | LF | BERM DITCH CONSTRUCTION | 2,481 | CY | SHOULDER BORROW |
| 1,320 | SY | REMOVAL OF EXISTING ASPHALT PAVEMENT | 1,645 | GAL | PRIME COAT |
| 5,420 | SY | BREAKING OF EXISTING ASPHALT PAVEMENT | 360 | SY | INCIDENTAL MILLING |
| 15 | HR | PROOF ROLLING | 5,400 | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B |
| 200 | CY | SELECT GRANULAR MATERIAL | 17,000 | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B |
| 2,300 | SY | GEOTEXTILE FOR SOIL STABILIZA- TION | 14,430 | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B |
| 1,250 | SF | TEMPORARY SHORING | 920 | TON | ASPHALT CONC SURFACE COURSE, TYPE SP9.5A |
| 1,100 | TON | FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES | 1,985 | TON | ASPHALT BINDER FOR PLANT MIX |
| 3,440 | SY | FOUNDATION CONDITIONING GEO- TEXTILE | 750 | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR |
| 232 | LF | *** SIDE DRAIN PIPE (30") | 336 | CY | SUBDRAIN EXCAVATION |
| 24 | LF | *** SIDE DRAIN PIPE (36") | 1,000 | SY | GEOTEXTILE FOR SUBSURFACE DRAINS |
| 1,336 | LF | 15" SIDE DRAIN PIPE | 168 | CY | SUBDRAIN COARSE AGGREGATE |
| 740 | LF | 18" SIDE DRAIN PIPE | 1,000 | LF | 6" PERFORATED SUBDRAIN PIPE |
| 1,104 | LF | 24" SIDE DRAIN PIPE | 2 | EA | SUBDRAIN PIPE OUTLET |
| 18 | EA | *** SIDE DRAIN PIPE ELBOWS (15") | 12 | LF | 6" OUTLET PIPE |
| 5 | EA | *** SIDE DRAIN PIPE ELBOWS (18") | 15 | TON | BLOTTING SAND |
| 6 | EA | *** SIDE DRAIN PIPE ELBOWS (24") | 11.2 | CY | REINFORCED ENDWALLS |
| 2 | EA | *** SIDE DRAIN PIPE ELBOWS (30") | 0.764 | CY | PIPE COLLARS |
| 1 | EA | *** SIDE DRAIN PIPE ELBOWS (36") | 77 | CY | FLOWABLE FILL |
| 88 | LF | 12" RC PIPE CULVERTS, CLASS III | 88 | EA | MASONRY DRAINAGE STRUCTURES |
| 384 | LF | 15" RC PIPE CULVERTS, CLASS III | 36.2 | LF | MASONRY DRAINAGE STRUCTURES |
| 176 | LF | 18" RC PIPE CULVERTS, CLASS III | 1 | EA | FRAME WITH GRATE, STD 840.22 |
| 296 | LF | 24" RC PIPE CULVERTS, CLASS III | 11 | EA | FRAME WITH TWO GRATES, STD 840.16 |
| 344 | LF | 36" RC PIPE CULVERTS, CLASS III | 44 | EA | FRAME WITH TWO GRATES, STD 840.20 |
| 140 | LF | 60" RC PIPE CULVERTS, CLASS III | 21 | EA | FRAME WITH TWO GRATES, STD 840.22 |
| 3,856 | LF | 15" RC PIPE CULVERTS, CLASS IV | 8 | EA | FRAME WITH TWO GRATES, STD 840.24 |
| 536 | LF | 24" RC PIPE CULVERTS, CLASS IV | 1 | EA | FRAME WITH COVER, STD 840.54 |
| 28 | LF | 36" RC PIPE CULVERTS, CLASS IV | 11 | EA | CONCRETE TRANSITIONAL SECTION FOR DROP INLET |
| 300 | LF | 15" CS PIPE CULVERTS, 0.064" THICK | 10,180 | LF | ***-*** CONCRETE CURB & GUTTER (2'-9") |
| 436 | LF | 18" CS PIPE CULVERTS, 0.064" THICK | 4,570 | LF | SHOULDER BERM GUTTER |
| 152 | LF | 24" CS PIPE CULVERTS, 0.064" THICK | 230 | SY | 4" CONCRETE PAVED DITCH |
| | | | 2,860 | SY | 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN) |
| | | | 1 | EA | IMPACT ATTENUATOR UNIT, TYPE 350 |
| | | | 8,987.5 | LF | STEEL BM GUARDRAIL |
| | | | 337.5 | LF | STEEL BM GUARDRAIL, SHOP CURVED |
| | | | 2 | EA | STEEL BM GUARDRAIL TERMINAL SECTIONS |
| | | | 25 | EA | ADDITIONAL GUARDRAIL POSTS |

| | | |
|----------|-----|--|
| 146.4 | LF | 3'-0" DIA DRILLED PIERS IN SOIL |
| 32 | LF | 4'-0" DIA DRILLED PIERS IN SOIL |
| 78 | LF | ***.***" DIA DRILLED PIERS NOT IN SOIL (4'-6") |
| 218 | LF | 3'-0" DIA DRILLED PIERS NOT IN SOIL |
| 64 | LF | 4'-0" DIA DRILLED PIERS NOT IN SOIL |
| 24 | LF | PERMANENT STEEL CASING FOR ***.***" DIA DRILLED PIER (4'-6") |
| 96.8 | LF | PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER |
| 26 | LF | PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER |
| 2 | EA | PDA TESTING |
| 4 | EA | SID INSPECTIONS |
| 1 | EA | SPT TESTING |
| 5 | EA | CSL TESTING |
| Lump Sum | LS | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (198+64.50-L-SBL) |
| Lump Sum | LS | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (234+19.20-L-) |
| Lump Sum | LS | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (242+67.42-L-SBL) |
| 34,630 | SF | REINFORCED CONCRETE DECK SLAB |
| 36,653 | SF | GROOVING BRIDGE FLOORS |
| 627.3 | CY | CLASS A CONCRETE (BRIDGE) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (198+64.50-L-NBL) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (198+64.50-L-SBL) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (234+19.20-L-) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (242+67.42-L-NBL) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (242+67.42-L-SBL) |
| 138,324 | LB | REINFORCING STEEL (BRIDGE) |
| 18,405 | LB | SPIRAL COLUMN REINFORCING STEEL (BRIDGE) |
| 1,527.16 | LF | 36" PRESTRESSED CONCRETE GIRDERS |
| 2,046 | LF | 54" PRESTRESSED CONCRETE GIRDERS |
| 1,671 | LF | HP12X53 STEEL PILES |
| 1,849.8 | LF | CONCRETE BARRIER RAIL |
| 1,581 | TON | RIP RAP CLASS II (2'-0" THICK) |
| 1,747 | SY | GEOTEXTILE FOR DRAINAGE |
| Lump Sum | LS | ELASTOMERIC BEARINGS |
| Lump Sum | LS | EXPANSION JOINT SEALS |

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150915 007

CONTRACT ID : C203758 34518.3.6

DIV OFFICE NORTH WILKESBORO

LENGTH = 4.610 MI

COUNTY : ASHE, WATAUGA

GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

MBE GOAL 5.0% WBE 8.0% COMPLETION DATE : NOV 27 2020

US-221 FROM US-421 IN WATAUGA COUNTY TO NORTH OF SOUTH FORK NEW RIVER.

| ROADWAY ITEMS | | | | | |
|---------------|-----|--|----------|-----|---|
| | | | 132 | LF | 54" RC PIPE CULVERTS, CLASS III |
| | | | 284 | LF | 60" RC PIPE CULVERTS, CLASS III |
| Lump Sum | LS | MOBILIZATION | 144 | LF | 66" RC PIPE CULVERTS, CLASS III |
| Lump Sum | LS | CONSTRUCTION SURVEYING | | | |
| Lump Sum | LS | CLEARING & GRUBBING . ACRE(S) | 4,060 | LF | 15" RC PIPE CULVERTS, CLASS IV |
| 5 | ACR | SUPPLEMENTARY CLEARING & GRUBBING | 180 | LF | 18" RC PIPE CULVERTS, CLASS IV |
| | | | 536 | LF | 24" RC PIPE CULVERTS, CLASS IV |
| 33 | EA | SEALING ABANDONED WELLS | 28 | LF | 36" RC PIPE CULVERTS, CLASS IV |
| 1,547,800 | CY | UNCLASSIFIED EXCAVATION | 7 | EA | *** PIPE END SECTION (15") |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (11+15 -L-) | 3 | EA | *** PIPE END SECTION (18") |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (198+60.20 -L-) | 168 | LF | *** CS PIPE CULVERTS, ***** THICK (36", 0.079") |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (198+69.40 -L-) | 300 | LF | 15" CS PIPE CULVERTS, 0.064" THICK |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (234+07.70 -L-) | 436 | LF | 18" CS PIPE CULVERTS, 0.064" THICK |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (242+63.23 -L-) | 152 | LF | 24" CS PIPE CULVERTS, 0.064" THICK |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (242+71.61 -L-) | 37 | LF | *** X *** CS PIPE ARCH CULVERTS, ***** THICK (87" X 63", 0.109") |
| 400 | CY | UNDERCUT EXCAVATION | 142 | LF | *** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30", 0.469") |
| 5,160 | CY | DRAINAGE DITCH EXCAVATION | 100 | LF | *** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (54", 0.75") |
| 7,170 | LF | BERM DITCH CONSTRUCTION | 142 | LF | *** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.469") |
| 36,070 | SY | REMOVAL OF EXISTING ASPHALT PAVEMENT | 7,897 | LF | PIPE REMOVAL |
| 5,420 | SY | BREAKING OF EXISTING ASPHALT PAVEMENT | 175 | SY | 6" SLOPE PROTECTION |
| 35 | HR | PROOF ROLLING | Lump Sum | LS | FINE GRADING |
| 400 | CY | SELECT GRANULAR MATERIAL | 65,360 | SY | LIME TREATED SOIL (SLURRY METHOD) |
| 6,600 | SY | GEOTEXTILE FOR SOIL STABILIZATION | 660 | TON | LIME FOR LIME TREATED SOIL |
| 12,150 | SF | TEMPORARY SHORING | 15 | TON | #57 STONE |
| 100 | TON | GENERIC GRADING ITEM | 1,000 | CY | SHALLOW UNDERCUT |
| | | STOCKPILING CONTAMINATED SOIL | 400 | TON | CLASS IV SUBGRADE STABILIZATION |
| 3,872 | TON | FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES | 500 | TON | STABILIZER AGGREGATE |
| 17,000 | SY | FOUNDATION CONDITIONING GEOTEXTILE | 21,750 | SY | GEOTEXTILE FOR PAVEMENT STABILIZATION |
| 232 | LF | *** SIDE DRAIN PIPE (30") | 96,900 | TON | AGGREGATE BASE COURSE |
| 24 | LF | *** SIDE DRAIN PIPE (36") | 98,030 | SY | SOIL CEMENT BASE |
| 2,412 | LF | 15" SIDE DRAIN PIPE | 2,697 | TON | PORTLAND CEMENT FOR SOIL CEMENT BASE |
| 1,772 | LF | 18" SIDE DRAIN PIPE | 24,520 | GAL | ASPHALT CURING SEAL |
| 1,288 | LF | 24" SIDE DRAIN PIPE | 3,970 | TON | INCIDENTAL STONE BASE |
| 30 | EA | *** SIDE DRAIN PIPE ELBOWS (15") | 15,672 | CY | SHOULDER BORROW |
| 33 | EA | *** SIDE DRAIN PIPE ELBOWS (18") | 5,686 | GAL | PRIME COAT |
| 10 | EA | *** SIDE DRAIN PIPE ELBOWS (24") | 6,000 | SY | MILLING ASPHALT PAVEMENT, *** DEPTH (1-1/2") |
| 2 | EA | *** SIDE DRAIN PIPE ELBOWS (30") | 960 | SY | INCIDENTAL MILLING |
| 1 | EA | *** SIDE DRAIN PIPE ELBOWS (36") | 18,200 | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B |
| 88 | LF | 12" RC PIPE CULVERTS, CLASS III | 6,900 | TON | ASPHALT CONC BASE COURSE, TYPE B25.0C |
| 7,884 | LF | 15" RC PIPE CULVERTS, CLASS III | 43,850 | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B |
| 2,920 | LF | 18" RC PIPE CULVERTS, CLASS III | 36,130 | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B |
| 3,140 | LF | 24" RC PIPE CULVERTS, CLASS III | 8,500 | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5C |
| 1,032 | LF | 30" RC PIPE CULVERTS, CLASS III | 3,370 | TON | ASPHALT CONC SURFACE COURSE, TYPE SF9.5A |
| 1,052 | LF | 36" RC PIPE CULVERTS, CLASS III | 6,105 | TON | ASPHALT BINDER FOR PLANT MIX |
| 276 | LF | 42" RC PIPE CULVERTS, CLASS III | 1,750 | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR |
| 704 | LF | 48" RC PIPE CULVERTS, CLASS III | 672 | CY | SUBDRAIN EXCAVATION |
| | | | 2,000 | SY | GEOTEXTILE FOR SUBSURFACE DRAINS |
| | | | 336 | CY | SUBDRAIN COARSE AGGREGATE |

| | | | | | |
|----------|-----|--|----------|-----|--|
| | | | 750 | LF | RELAPPING GUARDRAIL |
| | | | 3,260 | TON | RIP RAP, CLASS I |
| | | | 2,840 | TON | RIP RAP, CLASS II |
| | | | 6,320 | TON | RIP RAP, CLASS B |
| 2,000 | LF | 6" PERFORATED SUBDRAIN PIPE | 32,035 | SY | GEOTEXTILE FOR DRAINAGE |
| 4 | EA | SUBDRAIN PIPE OUTLET | 15 | EA | PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON |
| 24 | LF | 6" OUTLET PIPE | 19 | CY | REINFORCED CONCRETE SIGN FOUNDATIONS |
| 30 | TON | BLOTTING SAND | 2 | CY | PLAIN CONCRETE SIGN FOUNDATIONS |
| 50 | CY | ENDWALLS | 18 | CY | OVERHEAD FOOTING |
| 35.2 | CY | REINFORCED ENDWALLS | 9,033 | LB | SUPPORTS, BREAKAWAY STEEL BEAM |
| 0.764 | CY | PIPE COLLARS | 5,609 | LB | SUPPORTS, SIMPLE STEEL BEAM |
| 0.68 | CY | PIPE PLUGS | 4,963 | LF | SUPPORTS, 3-LB STEEL U-CHANNEL |
| 94 | CY | FLOWABLE FILL | 7 | EA | SUPPORTS, BARRIER (SMALL) |
| 249 | EA | MASONRY DRAINAGE STRUCTURES | Lump Sum | LS | SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (24+64-L-) |
| 79 | CY | MASONRY DRAINAGE STRUCTURES | 7 | EA | SIGN ERECTION, TYPE D |
| 221.2 | LF | MASONRY DRAINAGE STRUCTURES | 226 | EA | SIGN ERECTION, TYPE E |
| 1 | EA | FRAME WITH GRATE, STD 840.22 | 33 | EA | SIGN ERECTION, TYPE F |
| 27 | EA | FRAME WITH TWO GRATES, STD 840.16 | 4 | EA | SIGN ERECTION, TYPE *** (OVERHEAD) (A) |
| 106 | EA | FRAME WITH TWO GRATES, STD 840.20 | 10 | EA | SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A) |
| 62 | EA | FRAME WITH TWO GRATES, STD 840.22 | 2 | EA | SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B) |
| 27 | EA | FRAME WITH TWO GRATES, STD 840.24 | 2 | EA | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (A) |
| 11 | EA | FRAME WITH TWO GRATES, STD 840.29 | 1 | EA | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (B) |
| 1 | EA | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E) | 7 | EA | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E) |
| 1 | EA | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) | 1 | EA | DISPOSAL OF SUPPORT, STEEL BEAM |
| 14 | EA | FRAME WITH COVER, STD 840.54 | 2 | EA | DISPOSAL OF SUPPORT, WOOD |
| 27 | EA | CONCRETE TRANSITIONAL SECTION FOR DROP INLET | 3 | EA | DISPOSAL OF SIGN SYSTEM, STEEL BEAM |
| Lump Sum | LS | GENERIC DRAINAGE ITEM ENERGY DISSIPATOR BASIN | 67 | EA | DISPOSAL OF SIGN SYSTEM, U-CHANNEL |
| 34,450 | LF | ***" CONCRETE CURB & GUTTER (2'-9") | 5 | EA | DISPOSAL OF SUPPORT, U-CHANNEL |
| 1,140 | LF | 2'-6" CONCRETE CURB & GUTTER | 1,569 | SF | WORK ZONE SIGNS (STATIONARY) |
| 4,600 | LF | SHOULDER BERM GUTTER | 1,583 | SF | WORK ZONE SIGNS (PORTABLE) |
| 2,810 | LF | CONCRETE EXPRESSWAY GUTTER | 923 | SF | WORK ZONE SIGNS (BARRICADE MOUNTED) |
| 640 | SY | 4" CONCRETE PAVED DITCH | 4 | EA | FLASHING ARROW BOARD |
| 5,530 | SY | 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN) | 3 | EA | PORTABLE CHANGEABLE MESSAGE SIGN |
| 733.29 | LF | CONCRETE BARRIER, TYPE ***** (T) | 60 | DAY | PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM) |
| 1,775 | LF | CONCRETE BARRIER, TYPE ***** (T1) | 762 | EA | DRUMS |
| 555 | LF | CONCRETE BARRIER, TYPE ***** (T2) | 432 | EA | CONES |
| 2 | EA | CONCRETE BARRIER TRANSITION SECTION | 896 | LF | BARRICADES (TYPE III) |
| 375 | LF | PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED | 1,440 | DAY | FLAGGER |
| 1 | EA | GENERIC PAVING ITEM MEDIAN HAZARD PROTECTION | 13 | EA | TEMPORARY CRASH CUSHIONS |
| 5 | EA | IMPACT ATTENUATOR UNIT, TYPE 350 | 6 | EA | RESET TEMPORARY CRASH CUSHION |
| 21,787.5 | LF | STEEL BM GUARDRAIL | 4 | EA | TMA |
| 1,600 | LF | STEEL BM GUARDRAIL, SHOP CURVED | 11,950 | LF | PORTABLE CONCRETE BARRIER |
| 2 | EA | STEEL BM GUARDRAIL TERMINAL SECTIONS | 500 | LF | PORTABLE CONCRETE BARRIER (ANCHORED) |
| 35 | EA | ADDITIONAL GUARDRAIL POSTS | 7,600 | LF | RESET PORTABLE CONCRETE BARRIER |
| 6 | EA | GUARDRAIL ANCHOR UNITS, TYPE ***** (350, TL-2) | 40 | HR | LAW ENFORCEMENT |
| 6 | EA | GUARDRAIL ANCHOR UNITS, TYPE AT-1 | 80 | EA | SKINNY DRUM |
| 25 | EA | GUARDRAIL ANCHOR UNITS, TYPE CAT-1 | 1,930 | EA | TEMPORARY RAISED PAVEMENT MARKERS |
| 41 | EA | GUARDRAIL ANCHOR UNITS, TYPE 350 | 797 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS) |
| 27 | EA | GUARDRAIL ANCHOR UNITS, TYPE B-77 | 284 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS) |
| 3 | EA | GUARDRAIL ANCHOR UNITS, TYPE B-83 | 78 | EA | THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) |
| 3,701 | LF | REMOVE EXISTING GUARDRAIL | 4,780 | LF | COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV) |
| 750 | LF | TEMPORARY STEEL BM GUARDRAIL | 704,813 | LF | PAINT PAVEMENT MARKING LINES (4") |
| 6 | EA | TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350 | 1,639 | LF | PAINT PAVEMENT MARKING LINES (6") |
| 2 | EA | GENERIC GUARDRAIL ITEM 25'-0" CLEAR SPAN | 15,909 | LF | PAINT PAVEMENT MARKING LINES (8") |
| 46,840 | LF | WOVEN WIRE FENCE, 47" FABRIC | 700 | LF | PAINT PAVEMENT MARKING LINES (12") |
| 2,675 | EA | 4" TIMBER FENCE POSTS, 7'-6" LONG | 940 | LF | PAINT PAVEMENT MARKING LINES (24") |
| 1,285 | EA | 5" TIMBER FENCE POSTS, 8'-0" LONG | | | |
| 2,000 | LF | ADDITIONAL BARBED WIRE | | | |
| 8,300 | LF | GENERIC FENCING ITEM TEMPORARY 4 STRAND BARBED WIRE FENCE WITH POSTS | | | |

| | | | | | | | | |
|----------|-----|--|--|----------|-----|--|--|--|
| | | | | 1 | EA | VEHICLE SIGNAL HEAD (12", 4 SECTION) | | |
| | | | | 310 | LF | MESSENGER CABLE (3/8") | | |
| | | | | 80 | LF | UNPAVED TRENCHING (***** (1, 2") | | |
| 8 | EA | PAINT PAVEMENT MARKING CHARAC- TER | | 1,100 | LF | UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN | | |
| 139 | EA | PAINT PAVEMENT MARKING SYMBOL | | 1 | EA | WOOD POLE | | |
| 169,491 | LF | POLYUREA PAVEMENT MARKING LINES (4", *****) (HIGHLY REFLECTIVE ELEMENTS) | | 2 | EA | GUY ASSEMBLY | | |
| 10,448 | LF | POLYUREA PAVEMENT MARKING LINES (8", *****) (HIGHLY REFLECTIVE ELEMENTS) | | 1 | EA | 1" RISER WITH WEATHERHEAD | | |
| 47,324 | LF | REMOVAL OF PAVEMENT MARKING LINES (4") | | 2 | EA | 2" RISER WITH WEATHERHEAD | | |
| 75 | LF | REMOVAL OF PAVEMENT MARKING LINES (24") | | 870 | LF | INDUCTIVE LOOP SAWCUT | | |
| 1,127 | EA | SNOWPLOWABLE PAVEMENT MARKERS | | 7,310 | LF | LEAD-IN CABLE (***** (14-2) | | |
| 72 | EA | FLEXIBLE DELINEATORS (YELLOW) | | 2 | EA | SIGN FOR SIGNALS | | |
| 35 | EA | FLEXIBLE DELINEATORS (CRYSTAL & RED) | | 1 | EA | CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED) | | |
| 7,247 | LF | ABANDON 6" UTILITY PIPE | | 5 | EA | DETECTOR CARD (TYPE 2070L) | | |
| 393 | LF | ABANDON 10" UTILITY PIPE | | 1 | EA | TRAFFIC SIGNAL REMOVAL | | |
| 24 | LF | TRENCHLESS INSTALLATION OF 6" IN SOIL | | 4 | EA | METAL POLE FOUNDATION REMOVAL | | |
| 24 | LF | TRENCHLESS INSTALLATION OF 6" NOT IN SOIL | | 4 | EA | METAL POLE REMOVAL | | |
| 617 | LF | TRENCHLESS INSTALLATION OF 10" IN SOIL | | | | | | |
| 617 | LF | TRENCHLESS INSTALLATION OF 10" NOT IN SOIL | | | | | | |
| 5,832 | LF | 6" GAS LINE | | Lump Sum | LS | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (66+11.00 -L-) | | |
| 1,340 | LF | 10" GAS LINE | | Lump Sum | LS | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (161+48.90 -L-) | | |
| 1 | EA | GENERIC UTILITY ITEM 10" GAS BYPASS | | Lump Sum | LS | CULVERT EXCAVATION, STA ***** (16+10.00 -LPC-) | | |
| 14 | EA | GENERIC UTILITY ITEM 6" GAS BYPASS | | Lump Sum | LS | CULVERT EXCAVATION, STA ***** (161+48.90 -L-) | | |
| 1 | EA | GENERIC UTILITY ITEM GAS LAUNCHER/RECEIVER STATION | | Lump Sum | LS | CULVERT EXCAVATION, STA ***** (66+11.00 -L-) | | |
| Lump Sum | LS | GENERIC UTILITY ITEM THIRD PARTY INSPECTION SER- VICES | | Lump Sum | LS | CULVERT EXCAVATION, STA ***** (9+89.00 -LPC-) | | |
| 100,000 | LF | TEMPORARY SILT FENCE | | 1,022 | TON | FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT | | |
| 5,200 | TON | STONE FOR EROSION CONTROL, CLASS A | | 1,363.6 | CY | CLASS A CONCRETE (CULVERT) | | |
| 29,300 | TON | STONE FOR EROSION CONTROL, CLASS B | | 163,393 | LB | REINFORCING STEEL (CULVERT) | | |
| 17,700 | TON | SEDIMENT CONTROL STONE | | | | | | |
| 150 | ACR | TEMPORARY MULCHING | | | | | | |
| 8,200 | LB | SEED FOR TEMPORARY SEEDING | | | | | | |
| 46 | TON | FERTILIZER FOR TEMPORARY SEED- ING | | | | | | |
| 10,400 | LF | TEMPORARY SLOPE DRAINS | | 4,692 | SF | MSE RETAINING WALL NO **** (1 @ STA. 219+22.00 -L-) | | |
| 3,600 | LF | SAFETY FENCE | | 4,000 | SF | MSE RETAINING WALL NO **** (1 @ STA. 6+88.85-RPB-) | | |
| 63,190 | CY | SILT EXCAVATION | | 1,250 | SF | MSE RETAINING WALL NO **** (2) | | |
| 310,000 | SY | MATTING FOR EROSION CONTROL | | 241 | LF | GENERIC RETAINING WALL ITEM CONC BARRIER RAIL WITH MOMENT SLAB | | |
| 990 | SY | COIR FIBER MAT | | | | | | |
| 1,840 | SY | PERMANENT SOIL REINFORCEMENT MAT | | | | | | |
| 15,360 | LF | 1/4" HARDWARE CLOTH | | | | | | |
| 405 | LF | *** TEMPORARY PIPE (15") | | | | | | |
| 305 | LF | *** TEMPORARY PIPE (18") | | | | | | |
| 145 | LF | *** TEMPORARY PIPE (24") | | | | | | |
| 400 | CY | STILLING BASINS | | | | | | |
| 32 | EA | SPECIAL STILLING BASINS | | Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (198+64.50 -L-NBL) | | |
| 5,500 | LF | COIR FIBER WATTLE | | Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (198+64.50 -L-SBL) | | |
| 6,500 | LB | POLYACRYLAMIDE (PAM) | | Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (242+67.42 -L-NBL) | | |
| 17,525 | LF | COIR FIBER BAFFLE | | Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (242+67.42 -L-SBL) | | |
| 15 | EA | *** SKIMMER (1-1/2") | | Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (198+64.50 -L-SBL) | | |
| 10 | EA | *** SKIMMER (2") | | Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (242+67.42 -L-NBL) | | |
| 3 | EA | *** SKIMMER (2-1/2") | | Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (242+67.42 -L-SBL) | | |
| 145 | ACR | SEEDING & MULCHING | | Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (242+67.42 -L-SBL) | | |
| 145 | ACR | MOWING | | Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (242+67.42 -L-SBL) | | |
| 2,100 | LB | SEED FOR REPAIR SEEDING | | Lump Sum | LS | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (198+64.50 -L-SBL) | | |
| 8.5 | TON | FERTILIZER FOR REPAIR SEEDING | | Lump Sum | LS | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (242+67.42 -L-SBL) | | |
| 4,725 | LB | SEED FOR SUPPLEMENTAL SEEDING | | Lump Sum | LS | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (198+64.50 -L-SBL) | | |
| 140.75 | TON | FERTILIZER TOPDRESSING | | Lump Sum | LS | REMOVAL OF EXISTING STRUCTURE AT STATION ***** (242+67.42 -L-SBL) | | |
| 1,245 | LF | IMPERVIOUS DIKE | | Lump Sum | LS | FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 11+18.63 -L-) | | |
| 125 | MHR | SPECIALIZED HAND MOWING | | 44 | LF | **"***" DIA DRILLED PIERS IN SOIL (4'-6") | | |
| 300 | EA | RESPONSE FOR EROSION CONTROL | | | | | | |
| 1,200 | CY | CULVERT DIVERSION CHANNEL | | | | | | |
| 2.7 | ACR | REFORESTATION | | | | | | |
| 20 | EA | GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE | | | | | | |
| 1,150 | LF | SIGNAL CABLE | | | | | | |
| 3 | EA | VEHICLE SIGNAL HEAD (12", 3 SECTION) | | | | | | |

CULVERT ITEMS

WALL ITEMS

STRUCTURE ITEMS

| | | |
|----------|-----|---|
| 146.4 | LF | 3'-0" DIA DRILLED PIERS IN SOIL |
| 32 | LF | 4'-0" DIA DRILLED PIERS IN SOIL |
| 78 | LF | ***.***" DIA DRILLED PIERS NOT IN SOIL (4'-6") |
| 218 | LF | 3'-0" DIA DRILLED PIERS NOT IN SOIL |
| 64 | LF | 4'-0" DIA DRILLED PIERS NOT IN SOIL |
| 24 | LF | PERMANENT STEEL CASING FOR ***.***" DIA DRILLED PIER (4'-6") |
| 96.8 | LF | PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER |
| 26 | LF | PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER |
| 3 | EA | PDA TESTING |
| 4 | EA | SID INSPECTIONS |
| 1 | EA | SPT TESTING |
| 5 | EA | CSL TESTING |
| Lump Sum | LS | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (198+64.50 -L-SBL) |
| Lump Sum | LS | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (234+19.20 -L-) |
| Lump Sum | LS | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (242+67.42 -L-SBL) |
| 45,604 | SF | REINFORCED CONCRETE DECK SLAB |
| 47,079 | SF | GROOVING BRIDGE FLOORS |
| 848.1 | CY | CLASS A CONCRETE (BRIDGE) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (11+18.63 -L-) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (198+64.50 -L-NBL) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (198+64.50 -L-SBL) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (234+19.20 -L-) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (242+67.42 -L-NBL) |
| Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (242+67.42 -L-SBL) |
| 169,166 | LB | REINFORCING STEEL (BRIDGE) |
| 20,714 | LB | SPIRAL COLUMN REINFORCING STEEL (BRIDGE) |
| 1,527.16 | LF | 36" PRESTRESSED CONCRETE GIRDERS |
| 3,113.88 | LF | 54" PRESTRESSED CONCRETE GIRDERS |
| 2,691 | LF | HP12X53 STEEL PILES |
| 680 | LF | HP14X73 STEEL PILES |
| 2,252.37 | LF | CONCRETE BARRIER RAIL |
| 886 | SY | 4" SLOPE PROTECTION |
| 1,581 | TON | RIP RAP CLASS II (2'-0" THICK) |
| 1,747 | SY | GEOTEXTILE FOR DRAINAGE |
| Lump Sum | LS | ELASTOMERIC BEARINGS |
| Lump Sum | LS | EXPANSION JOINT SEALS |

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID

L150915 008

CONTRACT ID : C203580 36001.3.2

DIV OFFICE NORTH WILKESBORO

LENGTH = 3.496 MI

COUNTY : WILKES

GRADING, DRAINAGE, PAVING, AND STRUCTURES.

MBE GOAL 5.0% WBE 8.0% COMPLETION DATE : MAR 27 2020

NC-268 FROM MULTI-LANES EAST OF NC-18 TO SR-1966.

| ROADWAY ITEMS | | | | | |
|---------------|-----|---|--------|-----|---|
| | | | 10,320 | GAL | ASPHALT CURING SEAL |
| | | | 5,700 | TON | INCIDENTAL STONE BASE |
| | | | 58,370 | SY | MILLING ASPHALT PAVEMENT, **** DEPTH (2'-1/2") |
| Lump Sum | LS | MOBILIZATION | 2,870 | SY | INCIDENTAL MILLING |
| Lump Sum | LS | CLEARING & GRUBBING .. ACRE(S) | 2,370 | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B |
| 2 | ACR | SUPPLEMENTARY CLEARING & GRUB- BING | 37,580 | TON | ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C |
| Lump Sum | LS | REINFORCED BRIDGE APPROACH FILL, STATION ***** (117+35.00-L-) | 4,870 | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5B |
| 500 | CY | UNDERCUT EXCAVATION | 25,020 | TON | ASPHALT CONC SURFACE COURSE, TYPE S9.5C |
| 3,200 | CY | DRAINAGE DITCH EXCAVATION | 3,150 | TON | ASPHALT PLANT MIX, PAVEMENT REPAIR |
| 3,200 | LF | BERM DITCH CONSTRUCTION | 170 | CY | SUBDRAIN EXCAVATION |
| 28,400 | SY | REMOVAL OF EXISTING ASPHALT PAVEMENT | 85 | CY | SUBDRAIN FINE AGGREGATE |
| 20 | HR | PROOF ROLLING | 500 | LF | 6" PERFORATED SUBDRAIN PIPE |
| 500 | CY | SELECT GRANULAR MATERIAL | 1 | EA | SUBDRAIN PIPE OUTLET |
| 3,600 | SY | GEOTEXTILE FOR SOIL STABILIZA- TION | 6 | LF | 6" OUTLET PIPE |
| 3,200 | SF | TEMPORARY SHORING | 15 | TON | BLOTTING SAND |
| 5,150 | TON | FOUNDATION CONDITIONING MATE- RIAL, MINOR STRUCTURES | 1 | EA | TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE |
| 8,640 | SY | FOUNDATION CONDITIONING GEO- TEXTILE | 22 | CY | ENDWALLS |
| 116 | LF | 12" DRAINAGE PIPE | 6 | CY | REINFORCED ENDWALLS |
| 4,420 | LF | 15" DRAINAGE PIPE | 0.13 | CY | PIPE PLUGS |
| 1,084 | LF | 18" DRAINAGE PIPE | 580 | CY | FLOWABLE FILL |
| 816 | LF | 24" DRAINAGE PIPE | 260 | EA | MASONRY DRAINAGE STRUCTURES |
| 564 | LF | 30" DRAINAGE PIPE | 22 | CY | MASONRY DRAINAGE STRUCTURES |
| 64 | LF | 36" DRAINAGE PIPE | 132 | LF | MASONRY DRAINAGE STRUCTURES |
| 2 | EA | *** DRAINAGE PIPE ELBOWS (15") | 7 | EA | FRAME WITH GRATE, STD 840.24 |
| 640 | LF | 15" SIDE DRAIN PIPE | 2 | EA | FRAME WITH GRATE, STD 840.29 |
| 544 | LF | 18" SIDE DRAIN PIPE | 11 | EA | FRAME WITH TWO GRATES, STD 840.16 |
| 8,380 | LF | 15" RC PIPE CULVERTS, CLASS III | 72 | EA | FRAME WITH TWO GRATES, STD 840.24 |
| 2,720 | LF | 18" RC PIPE CULVERTS, CLASS III | 42 | EA | FRAME WITH TWO GRATES, STD 840.29 |
| 3,072 | LF | 24" RC PIPE CULVERTS, CLASS III | 10 | EA | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E) |
| 1,560 | LF | 30" RC PIPE CULVERTS, CLASS III | 68 | EA | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F) |
| 96 | LF | 36" RC PIPE CULVERTS, CLASS III | 46 | EA | FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G) |
| 596 | LF | 48" RC PIPE CULVERTS, CLASS III | 15 | EA | FRAME WITH COVER, STD 840.54 |
| 104 | LF | 54" RC PIPE CULVERTS, CLASS III | 30 | LF | FRAME WITH GRATES, DRIVEWAY DROP INLET |
| 48 | LF | 60" RC PIPE CULVERTS, CLASS III | 23 | EA | CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN |
| 32 | LF | 15" RC PIPE CULVERTS, CLASS IV | 9 | EA | CONCRETE TRANSITIONAL SECTION FOR DROP INLET |
| 352 | LF | 36" RC PIPE CULVERTS, CLASS IV | 6,080 | LF | ***X*** CONCRETE CURB (8" X 18") |
| 172 | LF | *** CS PIPE CULVERTS, ***** THICK (36", 0.079") | 4,570 | LF | ***,*** CONCRETE CURB & GUTTER (2'-9") |
| 76 | LF | *** CS PIPE CULVERTS, ***** THICK (48", 0.109") | 20,960 | LF | 1'-6" CONCRETE CURB & GUTTER |
| 300 | LF | 15" CS PIPE CULVERTS, 0.064" THICK | 19,920 | LF | 2'-6" CONCRETE CURB & GUTTER |
| 352 | LF | 18" CS PIPE CULVERTS, 0.064" THICK | 2,784 | LF | SHOULDER BERM GUTTER |
| 1 | EA | *** CS PIPE ELBOWS, ***** THICK (18", 0.064") | 7,860 | SY | 4" CONCRETE SIDEWALK |
| 8,516 | LF | PIPE REMOVAL | 60 | EA | CONCRETE CURB RAMP |
| 34,400 | SY | LIME TREATED SOIL (SLURRY METHOD) | 2,480 | SY | 6" CONCRETE DRIVEWAY |
| 350 | TON | LIME FOR LIME TREATED SOIL | 353 | SY | 4" CONCRETE PAVED DITCH |
| 500 | CY | SHALLOW UNDERCUT | 1,020 | SY | 5" MONOLITHIC CONCRETE ISLANDS (KEYED IN) |
| 1,000 | TON | CLASS IV SUBGRADE STABILIZA- TION | 1 | EA | ADJUSTMENT OF CATCH BASINS |
| 500 | TON | STABILIZER AGGREGATE | 1 | EA | ADJUSTMENT OF DROP INLETS |
| 4,100 | SY | GEOTEXTILE FOR PAVEMENT STA- BILIZATION | 1 | EA | CONVERT EXISTING DROP INLET TO JUNCTION BOX WITH MANHOLE |
| 34,400 | SY | SOIL CEMENT BASE | 2 | EA | IMPACT ATTENUATOR UNIT, TYPE 350 |
| 946 | TON | PORTLAND CEMENT FOR SOIL CE- MENT BASE | 7,000 | LF | STEEL BM GUARDRAIL |
| | | | 400 | LF | STEEL BM GUARDRAIL, SHOP CURVED |

| | | | | | |
|---------|-----|--|----------|-----|---|
| | | | 66,898 | LF | POLYUREA PAVEMENT MARKING LINES (4", *****) |
| | | | | | (HIGHLY REFLECTIVE ELEMENTS) |
| 10 | EA | ADDITIONAL GUARDRAIL POSTS | 2,963 | LF | POLYUREA PAVEMENT MARKING LINES (8", *****) |
| 2 | EA | GUARDRAIL ANCHOR UNITS, TYPE ***** | | | (HIGHLY REFLECTIVE ELEMENTS) |
| | | (350, TL-2) | 2,454 | LF | REMOVAL OF PAVEMENT MARKING LINES (4") |
| 4 | EA | GUARDRAIL ANCHOR UNITS, TYPE AT-1 | 100 | LF | REMOVAL OF PAVEMENT MARKING LINES (24") |
| 12 | EA | GUARDRAIL ANCHOR UNITS, TYPE CAT-1 | 1 | EA | REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS |
| 2 | EA | GUARDRAIL ANCHOR UNITS, TYPE III | 172 | EA | PERMANENT RAISED PAVEMENT MARKERS |
| 8 | EA | GUARDRAIL ANCHOR UNITS, TYPE 350 | 1,093 | EA | SNOWFLOWABLE PAVEMENT MARKERS |
| 2 | EA | GUARDRAIL ANCHOR UNITS, TYPE B-77 | 484 | LF | 2" WATER LINE |
| | | | 1,781 | LF | 6" WATER LINE |
| 1,075 | LF | REMOVE EXISTING GUARDRAIL | 20,542.3 | LF | 12" WATER LINE |
| 600 | LF | WOVEN WIRE FENCE, 47" FABRIC | 6 | EA | 2" VALVE |
| 34 | EA | 4" TIMBER FENCE POSTS, 7'-6" LONG | 10 | EA | 6" VALVE |
| | | | 4 | EA | 8" VALVE |
| 27 | EA | 5" TIMBER FENCE POSTS, 8'-0" LONG | 35.99 | EA | 12" VALVE |
| 160 | LF | CHAIN LINK FENCE, 48" FABRIC | 56 | EA | RELOCATE WATER METER |
| 16 | EA | METAL LINE POSTS FOR 48" CHAIN LINK FENCE | 32 | EA | RECONNECT WATER METER |
| | | | 5 | EA | FIRE HYDRANT |
| 13 | EA | METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE | 18 | EA | RELOCATE FIRE HYDRANT |
| 2 | EA | METAL GATE POSTS FOR *** CHAIN LINK FENCE, SINGLE GATE (48") | 13,665 | LF | 8" SANITARY GRAVITY SEWER |
| | | | 36 | EA | SANITARY SEWER CLEAN-OUT |
| 1 | EA | SINGLE GATES, *** HIGH, *** WIDE, *** OPENING (48", 5' 5') | 51 | EA | 4' DIA UTILITY MANHOLE |
| | | | 4 | EA | 5' DIA UTILITY MANHOLE |
| 150 | TON | RIP RAP, CLASS I | 12 | EA | 6' DIA UTILITY MANHOLE |
| 80 | TON | RIP RAP, CLASS II | 75 | LF | UTILITY MANHOLE WALL, 4' DIA |
| 900 | TON | RIP RAP, CLASS B | 40 | LF | UTILITY MANHOLE WALL, 5' DIA |
| 6,065 | SY | GEOTEXTILE FOR DRAINAGE | 140 | LF | UTILITY MANHOLE WALL, 6' DIA |
| 6 | EA | PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON | 23,256 | LF | ABANDON 8" UTILITY PIPE |
| 2,575 | LF | SUPPORTS, 3-LB STEEL U-CHANNEL | 324 | LF | ABANDON 12" UTILITY PIPE |
| 4 | EA | SIGN ERECTION, TYPE D | 45 | EA | ABANDON UTILITY MANHOLE |
| 166 | EA | SIGN ERECTION, TYPE E | 111 | LF | 16" ENCASMENT PIPE |
| 23 | EA | SIGN ERECTION, TYPE F | 175 | LF | TRENCHLESS INSTALLATION OF 12" IN SOIL |
| 6 | EA | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D) | 175 | LF | TRENCHLESS INSTALLATION OF 12" NOT IN SOIL |
| 1 | EA | SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E) | 56 | LF | TRENCHLESS INSTALLATION OF 16" IN SOIL |
| | | | 56 | LF | TRENCHLESS INSTALLATION OF 16" NOT IN SOIL |
| 62 | EA | DISPOSAL OF SIGN SYSTEM, U-CHANNEL | 3 | EA | GENERIC UTILITY ITEM RELOCATE MASTER METER |
| 12 | EA | DISPOSAL OF SIGN SYSTEM, WOOD | 71,000 | LF | TEMPORARY SILT FENCE |
| 4 | EA | DISPOSAL OF SUPPORT, U-CHANNEL | 2,850 | TON | STONE FOR EROSION CONTROL, CLASS A |
| 1,496 | SF | WORK ZONE SIGNS (STATIONARY) | 8,150 | TON | STONE FOR EROSION CONTROL, CLASS B |
| 384 | SF | WORK ZONE SIGNS (PORTABLE) | 8,950 | TON | SEDIMENT CONTROL STONE |
| 351 | SF | WORK ZONE SIGNS (BARRICADE MOUNTED) | 100 | ACR | TEMPORARY MULCHING |
| | | | 6,100 | LB | SEED FOR TEMPORARY SEEDING |
| 2 | EA | FLASHING ARROW BOARD | 31.5 | TON | FERTILIZER FOR TEMPORARY SEEDING |
| 4 | EA | PORTABLE CHANGEABLE MESSAGE SIGN | 3,000 | LF | TEMPORARY SLOPE DRAINS |
| 870 | EA | DRUMS | 1,400 | LF | SAFETY FENCE |
| 100 | EA | CONES | 27,770 | CY | SILT EXCAVATION |
| 816 | LF | BARRICADES (TYPE III) | 121,000 | SY | MATTING FOR EROSION CONTROL |
| 778 | DAY | FLAGGER | 810 | SY | COIR FIBER MAT |
| 4 | EA | TEMPORARY CRASH CUSHIONS | 6,000 | SY | PERMANENT SOIL REINFORCEMENT MAT |
| 4 | EA | RESET TEMPORARY CRASH CUSHION | 21,900 | LF | 1/4" HARDWARE CLOTH |
| 2 | EA | TMA | 8 | EA | SPECIAL STILLING BASINS |
| 1,875 | LF | PORTABLE CONCRETE BARRIER | 10,900 | LF | WATTLE |
| 400 | LF | PORTABLE CONCRETE BARRIER (ANCHORED) | 9,050 | LB | POLYACRYLAMIDE (PAM) |
| | | | 6,450 | LF | COIR FIBER BAFFLE |
| 565 | LF | RESET PORTABLE CONCRETE BARRIER | 30 | EA | *** SKIMMER (1-1/2") |
| 48 | HR | LAW ENFORCEMENT | 2 | EA | *** SKIMMER (2") |
| 100 | EA | SKINNY DRUM | 1 | EA | *** SKIMMER (3") |
| 1,758 | EA | TEMPORARY RAISED PAVEMENT MARKERS | 96 | ACR | SEEDING & MULCHING |
| | | | 90 | ACR | MOWING |
| 982 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS) | 1,350 | LB | SEED FOR REPAIR SEEDING |
| 980 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS) | 4 | TON | FERTILIZER FOR REPAIR SEEDING |
| 697 | LF | THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS) | 2,150 | LB | SEED FOR SUPPLEMENTAL SEEDING |
| 149 | EA | THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS) | 64 | TON | FERTILIZER TOPDRESSING |
| 200,989 | LF | PAINT PAVEMENT MARKING LINES (4") | 25 | LF | IMPERVIOUS DIKE |
| | | | 70 | MHR | SPECIALIZED HAND MOWING |
| 1,774 | LF | PAINT PAVEMENT MARKING LINES (8") | 150 | EA | RESPONSE FOR EROSION CONTROL |
| | | | 40 | CY | CULVERT DIVERSION CHANNEL |
| 1,322 | LF | PAINT PAVEMENT MARKING LINES (24") | 12 | EA | GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE |
| 54 | EA | PAINT PAVEMENT MARKING SYMBOL | 234 | EA | GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT |

| | | | | | |
|--------|----|--|----------|-----|---|
| | | | 330 | TON | FOUNDATION CONDITIONING MATERIAL, BOX CULVERT |
| | | | 485.3 | CY | CLASS A CONCRETE (CULVERT) |
| | | | 60,206 | LB | REINFORCING STEEL (CULVERT) |
| 78 | EA | GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE | | | |
| 10 | EA | PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN) | | | |
| 6,260 | LF | SIGNAL CABLE | | | |
| 32 | EA | VEHICLE SIGNAL HEAD (12", 3 SECTION) | | | |
| 6 | EA | VEHICLE SIGNAL HEAD (12", 4 SECTION) | 179 | SF | MSE RETAINING WALL NO **** (2) |
| 1,500 | LF | MESSENGER CABLE (1/4") | 169 | SF | MSE RETAINING WALL NO **** (3) |
| 2,020 | LF | MESSENGER CABLE (3/8") | 163 | SF | MSE RETAINING WALL NO **** (4) |
| 70 | LF | PAVED TRENCHING (***** (1, 2") | 836 | SF | PRECAST GRAVITY RETAINING WALLS |
| 2,080 | LF | UNPAVED TRENCHING (***** (1, 2") | | | |
| 40 | LF | UNPAVED TRENCHING (***** (2, 2") | | | |
| 50 | LF | DIRECTIONAL DRILL (***** (1, 2") | | | |
| 35 | EA | JUNCTION BOX (STANDARD SIZE) | | | |
| 8 | EA | WOOD POLE | | | |
| 22 | EA | GUY ASSEMBLY | | | |
| 2 | EA | 1/2" RISER WITH WEATHERHEAD | | | |
| 4 | EA | 2" RISER WITH WEATHERHEAD | | | |
| 2 | EA | HEAT SHRINK TUBING RETROFIT KIT | | | |
| 3,440 | LF | INDUCTIVE LOOP SAWCUT | | | |
| 10,310 | LF | LEAD-IN CABLE (***** (14-2) | | | |
| 2 | EA | SITE SURVEY | | | |
| 2 | EA | LUMINAIRE ARM FOR VIDEO SYSTEM | | | |
| 8 | EA | CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT | | | |
| 2 | EA | EXTERNAL LOOP EMULATOR PROCESSING UNIT | | | |
| 2,200 | LF | COMMUNICATIONS CABLE (**FIBER) (12) | | | |
| 2 | EA | MODIFY SPLICE ENCLOSURE | | | |
| 1 | EA | INTERCONNECT CENTER | | | |
| 1 | EA | FIBER-OPTIC TRANSCEIVER, DROP & REPEAT | | | |
| 1,500 | LF | REMOVE EXISTING COMMUNICATIONS CABLE | | | |
| 1 | EA | CABLE TRANSFER | | | |
| 8 | EA | METAL STRAIN SIGNAL POLE | | | |
| 8 | EA | SOIL TEST | | | |
| 64 | CY | DRILLED PIER FOUNDATION | | | |
| 7 | EA | SIGN FOR SIGNALS | | | |
| 1 | EA | TYPE I POST WITH FOUNDATION | | | |
| 8 | EA | TYPE II PEDESTAL WITH FOUNDATION | | | |
| 2 | EA | SIGNAL CABINET FOUNDATION | | | |
| 2 | EA | CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED) | | | |
| 16 | EA | DETECTOR CARD (TYPE 2070L) | | | |
| 2 | EA | CABINET BASE EXTENDER | | | |
| | | | Lump Sum | LS | CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ***** (117+35.00 -L- RT) |
| | | | 99.67 | LF | 3'-6" DIA DRILLED PIERS IN SOIL |
| | | | 70 | LF | 3'-6" DIA DRILLED PIERS NOT IN SOIL |
| | | | 49.26 | LF | PERMANENT STEEL CASING FOR 3'-6" DIA DRILLED PIER |
| | | | 4 | EA | SID INSPECTIONS |
| | | | 4 | EA | SPT TESTING |
| | | | 1 | EA | CSL TESTING |
| | | | Lump Sum | LS | UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ***** (117+35.00 -L-RT) |
| | | | 5,625 | SF | REINFORCED CONCRETE DECK SLAB |
| | | | 6,283 | SF | GROOVING BRIDGE FLOORS |
| | | | 98.7 | CY | CLASS A CONCRETE (BRIDGE) |
| | | | Lump Sum | LS | BRIDGE APPROACH SLABS, STATION ***** (117+35.00 -L-RT) |
| | | | 29,429 | LB | REINFORCING STEEL (BRIDGE) |
| | | | 4,306 | LB | SPIRAL COLUMN REINFORCING STEEL (BRIDGE) |
| | | | 585.67 | LF | 45" PRESTRESSED CONCRETE GIRDERS |
| | | | 305 | LF | HP12X53 STEEL PILES |
| | | | 140.83 | LF | TWO BAR METAL RAIL |
| | | | 148.33 | LF | CONCRETE BARRIER RAIL |
| | | | 148.33 | LF | 1'-**" X ***** CONCRETE PARAPET (1'-2" X 2'-6") |
| | | | 360 | TON | RIP RAP CLASS II (2'-0" THICK) |
| | | | 395 | SY | GEOTEXTILE FOR DRAINAGE |
| | | | Lump Sum | LS | ELASTOMERIC BEARINGS |
| | | | 140.25 | LF | GENERIC STRUCTURE ITEM 2 BAR METAL RAIL RETROFIT |

WALL ITEMS

STRUCTURE ITEMS

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

| | | |
|----------|-----|---|
| 257,800 | CY | UNCLASSIFIED EXCAVATION |
| 7,500 | CY | BORROW EXCAVATION |
| Lump Sum | LS | FINE GRADING |
| 36,300 | TON | AGGREGATE BASE COURSE |
| 910 | GAL | PRIME COAT |
| 4,420 | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B |
| 9,650 | TON | ASPHALT CONC BASE COURSE, TYPE B25.0C |
| 4,310 | TON | ASPHALT BINDER FOR PLANT MIX *** OR *** |
| 249,900 | CY | UNCLASSIFIED EXCAVATION |
| 6,100 | CY | BORROW EXCAVATION |
| Lump Sum | LS | FINE GRADING |
| 5,000 | TON | ASPHALT CONC BASE COURSE, TYPE B25.0B |
| 23,220 | TON | ASPHALT CONC BASE COURSE, TYPE B25.0C |
| 4,930 | TON | ASPHALT BINDER FOR PLANT MIX |

*** END SCHEDULE AA ***

CULVERT ITEMS

| | | |
|----------|----|--|
| Lump Sum | LS | CULVERT EXCAVATION, STA ***** (59+43.00 -L-) |
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