STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

January 24, 2012

Notice To: Prospective Bidders, Material Suppliers, and Subcontractors

From: R.A. Garris, P.E.
State Contract Officer

Subject: ***2006 Metric Standard Specifications for Roads and Structures and 2006 Metric Roadway Standard Drawings***

In 1999, the North Carolina Department of Transportation elected to return to the English measurement system when developing project plans as a result of the elimination of the FHWA metric requirement in the 1998 TEA 21 legislation. However, design efforts had already begun on approximately sixty projects utilizing the metric measurement system. Of those, some remained metric and were let under the 2002 Specifications and Standards, and some were re-engineered (converted) to English plans. Currently, there are fourteen projects that will be designed, let and constructed utilizing the 2006 Metric Specifications and Standards. See attached list for project information and tentative let dates.

The Metric Specifications Book is a mirror image of the 2006 (English) Specifications Book, except for the conversion to metric units and dimensions. The 2006 Metric Standard Drawings is a mirror image of the 2006 (English) Standard Drawings, except that Standards 840.25 and 700.01 have been updated to match Details 840D25 and 700D01. The Specifications and Standards are available in .pdf on the Contract Standards and Development Unit's Website at: http://www.ncdot.org/doh/preconstruct/ps/contracts/default.html

The 2006 Metric Specifications and Standards are being printed within the Department and are available for purchase. Due to the small number of metric projects to be let over the next several years, a limited number will be printed. Therefore we ask that you review the attached list of projects and not order immediately if projects of interest to you are further out in the future. This will allow us to manage the printing demands much more efficiently. The 2006 Metric Standard Specifications for Roads and Structures and the 2006 Metric Roadway Standard Drawings are $25.00 each plus 6.75% North Carolina sales tax. To request a copy, please contact Rick Montanez at 919-707-6944, or place your order electronically at the following Website: http://www.ncdot.org/business/order/puborder.html

If you have any questions, I can be reached at (919) 707-6900.

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RALEIGH NC 27699-1591

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RALEIGH NC

UPDATED January 24, 2012

TIP#	DIVISION	COUNTY	DESCRIPTION	TENTATIVE LET DATE
R-2414B	1	CAMDEN	US 158/NC 34 FROM NORTH OF SR 1257 TO EAST OF NC 34 IN BELCROSS	MARCH 20, 2012
R-2554A	4	WAYNE	US 70 (GOLDSBORO BYPASS) FROM WEST OF NC 581 TO SR 1300 (SALEM CHURCH ROAD)	JUNE 19, 2012

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

December 20, 2011

NOTICE TO: All Prequalified Bidders

FROM: R. A. Garris, P.E.
State Contract Engineer

SUBJECT: Revision of the "**Mechanically Stabilized Earth Retaining Walls**" Project Special Provision

Beginning with the January 17, 2012 letting, the above subject Project Special Provision (PSP) is to be effective on State and Federal funded contracts with mechanically stabilized earth (MSE) retaining walls.

The MSE retaining walls provision has been completely revised for the 2012 *Standard Specifications for Roads and Structures*, traffic impact analysis, fine aggregate and other issues. The Department encourages you to read the PSP as there are numerous and extensive changes.

The most significant changes are associated with the use of fine aggregate instead of coarse aggregate for critical MSE retaining walls. The Department will now allow fine aggregate in the reinforced zone of some critical walls with the required fine aggregate sampling and testing and carbon steel corrosion rates. Attached for your convenience is a copy of this PSP.

If you have any questions about the MSE Retaining Walls PSP, contact Scott Hidden, P.E. or Njoroge Wainaina, P.E. of the Geotechnical Engineering Unit at 919-707-6850.

Attachment

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MECHANICALLY STABILIZED EARTH RETAINING WALLS (1-17-12)

1.0 GENERAL

Construct mechanically stabilized earth (MSE) retaining walls consisting of steel or geogrid reinforcements in the reinforced zone connected to vertical facing elements. The facing elements may be precast concrete panels or segmental retaining wall (SRW) units unless required otherwise in the plans or the *NCDOT Policy for Mechanically Stabilized Earth Retaining Walls* prohibits the use of SRW units. At the Contractor's option, use coarse or fine aggregate in the reinforced zone of MSE retaining walls except do not use fine aggregate for walls subject to scour, walls that support or are adjacent to railroads or walls with design heights greater than 35 ft or internal acute corners less than 45°. Provide reinforced concrete coping as required. Design and construct MSE retaining walls based on actual elevations and wall dimensions in accordance with the contract and accepted submittals. Use a prequalified MSE Wall Installer to construct MSE retaining walls.

Define "MSE wall" as a mechanically stabilized earth retaining wall and "MSE Wall Vendor" as the vendor supplying the chosen MSE wall system. Define a "segmental retaining wall" as an MSE wall with SRW units and an "abutment wall" as an MSE wall with bridge foundations in the reinforced zone. Define "reinforcement" as steel or geogrid reinforcement and "aggregate" as coarse or fine aggregate. Define "panel" as a precast concrete panel and "coping" as precast or cast-in-place concrete coping.

Use an approved MSE wall system in accordance with the plans, NCDOT MSE wall policy and any NCDOT restrictions for the chosen system. Value engineering proposals for other MSE wall systems will not be considered. Do not use segmental retaining walls or MSE wall systems with an "approved for provisional use" status code for critical walls or MSE walls connected to critical walls. Critical walls are defined in the NCDOT MSE wall policy. The list of approved MSE wall systems and NCDOT MSE wall policy are available from:
www.ncdot.org/doh/preconstruct/highway/geotech/msewalls

2.0 MATERIALS

Refer to the *Standard Specifications*.

Item	Section
Aggregate	1014
Anchor Pins	1056-2
Curing Agents	1026
Geotextiles	1056
Joint Materials	1028
Portland Cement Concrete	1000
Precast Retaining Wall Coping	1077
Reinforcing Steel	1070
Retaining Wall Panels	1077
Segmental Retaining Wall Units	1040-4
Shoulder Drain Materials	816-2

Provide Type 2 geotextile for filtration and separation geotextiles. Use Class A concrete for cast-in-place coping, leveling concrete and pads.

Provide panels and SRW units produced by a manufacturer approved or licensed by the MSE Wall Vendor. Unless required otherwise in the contract, produce panels with a smooth flat final finish that meets Article 1077-11 of the *Standard Specifications*. Accurately locate and secure reinforcement connectors in panels and maintain required concrete cover. Produce panels within 1/4" of the panel dimensions shown in the accepted submittals.

Damaged panels or SRW units with excessive discoloration, chips or cracks as determined by the Engineer will be rejected. Do not damage reinforcement connection devices or mechanisms in handling or storing panels and SRW units.

Store steel materials on blocking at least 12" above the ground and protect it at all times from damage; and when placing in the work make sure it is free from dirt, dust, loose mill scale, loose rust, paint, oil or other foreign materials. Handle and store geogrids in accordance with Article 1056-2 of the *Standard Specifications*. Load, transport, unload and store MSE wall materials so materials are kept clean and free of damage.

A. Aggregate

Use standard size No. 57, 57M, 67 or 78M that meets Table 1005-1 of the *Standard Specifications* for coarse aggregate except do not use No. 57 or 57M stone in the reinforced zone of MSE walls with geogrid reinforcement. Use the following for fine aggregate:

1. Standard size No. 1S, 2S, 2MS or 4S that meets Table 1005-2 of the *Standard Specifications* or
2. Gradation that meets Class III, Type 3 select material in accordance with Article 1016-3 of the *Standard Specifications*.

Fine aggregate is exempt from mortar strength and siliceous particle content referenced in Subarticles 1014-1(E) and 1014-1(H) of the *Standard Specifications*. Provide fine aggregate that meets the following requirements:

FINE AGGREGATE REQUIREMENTS

Reinforcement or Connector Material	pH	Resistivity	Chlorides	Sulfates	Organics
Steel	5-10	$\geq$ 3,000 Ω · cm	$\leq$ 100 ppm	$\leq$ 200 ppm	$\leq$ 1%
Geogrid	5-8	N/A*	N/A*	N/A*	$\leq$ 1%

* Resistivity, chlorides and sulfates are not applicable to geogrid.

Use fine aggregate from a source that meets the *Mechanically Stabilized Earth Wall Fine Aggregate Sampling and Testing Manual*. Perform organic content tests in

accordance with AASHTO T 267 instead of Subarticle 1014-1(D) of the *Standard Specifications*. Perform electrochemical tests in accordance with the following test procedures:

Property	**Test Method**
pH	AASHTO T 289
Resistivity	AASHTO T 288
Chlorides	AASHTO T 291
Sulfates	AASHTO T 290

B. Reinforcement

Provide steel or geogrid reinforcement supplied by the MSE Wall Vendor or a manufacturer approved or licensed by the vendor. Use approved reinforcement for the chosen MSE wall system. The list of approved reinforcement for each MSE wall system is available from the website shown elsewhere in this provision.

1. Steel Reinforcement

Provide Type 1 material certifications in accordance with Article 106-3 of the *Standard Specifications* for steel reinforcement. Use welded wire grid reinforcement ("mesh", "mats" and "ladders") that meet Article 1070-3 of the *Standard Specifications* and metallic strip reinforcement ("straps") that meet ASTM A572 or A1011. Galvanize steel reinforcement in accordance with Section 1076 of the *Standard Specifications*.

2. Geogrid Reinforcement

Define "machine direction" (MD) for geogrids in accordance with ASTM D4439. Provide Type 1 material certifications for geogrid strengths in the MD in accordance with Article 1056-3 of the *Standard Specifications*. Test geogrids in accordance with ASTM D6637.

C. Bearing Pads

Use bearing pads that meet Section 3.6.1.a of the *FHWA Design and Construction of Mechanically Stabilized Earth Walls and Reinforced Soil Slopes – Volume I* (Publication No. FHWA-NHI-10-024).

D. Miscellaneous Components

Miscellaneous components may include connectors (e.g., anchors, bars, clamps, pins, plates, ties, etc.), fasteners (e.g., bolts, nuts, washers, etc.) and any other MSE wall components not included above. Galvanize steel components in accordance with Section 1076 of the *Standard Specifications*. Provide approved miscellaneous components for the chosen MSE wall system. The list of approved miscellaneous components for each MSE wall system is available from the website shown elsewhere in this provision.

3.0 PRECONSTRUCTION REQUIREMENTS

A. MSE Wall Surveys

The Retaining Wall Plans show a plan view, typical sections, details, notes and an elevation or profile view (wall envelope) for each MSE wall. Before beginning MSE wall design, survey existing ground elevations shown in the plans and other elevations in the vicinity of MSE wall locations as needed. Based on these elevations, finished grades and actual MSE wall dimensions and details, submit revised wall envelopes for acceptance. Use accepted wall envelopes for design.

B. MSE Wall Designs

Submit 11 copies of working drawings and 3 copies of design calculations and a PDF copy of each for MSE wall designs at least 30 days before the preconstruction meeting. Do not begin MSE wall construction until a design submittal is accepted.

Use a prequalified MSE Wall Design Consultant to design MSE walls. Provide designs sealed by a Design Engineer approved as a Geotechnical Engineer (key person) for the MSE Wall Design Consultant.

Design MSE walls in accordance with the plans, *AASHTO LRFD Bridge Design Specifications* and any NCDOT restrictions for the chosen MSE wall system unless otherwise required. Design MSE walls for seismic if walls are located in seismic zone 2 in accordance with Figure 2-1 of the *Structure Design Manual*. Use a uniform reinforcement length throughout the wall height of at least 0.7H with H as defined for the embedment requirements in this provision or 6 ft, whichever is greater, unless shown otherwise in the plans. Extend the reinforced zone at least 6" beyond end of reinforcement. Do not locate drains, the reinforced zone or leveling pads outside right-of-way or easement limits.

Use the simplified method for determining maximum reinforcement loads and approved design parameters for the chosen MSE wall system or default values in accordance with the AASHTO LRFD specifications. Design steel components including reinforcement and connectors for the design life noted in the plans and aggregate type in the reinforced zone. Use corrosion loss rates for galvanizing in accordance with the AASHTO LRFD specifications for nonaggressive backfill and carbon steel corrosion rates in accordance with the following:

CARBON STEEL CORROSION RATES

Aggregate Type (in the reinforced zone)	**Corrosion Loss Rate (after zinc depletion)**
Coarse	0.47 mil/year
Fine (except abutment walls)	0.58 mil/year
Fine (abutment walls)	0.70 mil/year

For geogrid reinforcement and connectors, use approved geogrid properties for the

design life noted in the plans and aggregate type in the reinforced zone.

When noted in the plans, design MSE walls for a live load (traffic) surcharge of 250 lb/sf in accordance with Figure C11.5.5-3(b) of the AASHTO LRFD specifications. For steel beam guardrail with 8 ft posts or concrete barrier rail above MSE walls, analyze top 2 reinforcement layers for traffic impact loads in accordance with Section 7.2 of the FHWA MSE wall manual shown elsewhere in this provision except use the following for geogrid reinforcement rupture:

$$\phi\, T_{al}\, R_c \geq T_{max} + (T_I / RF_{CR})$$

Where,

ϕ = resistance factor for tensile resistance in accordance with Section 7.2.1 of the FHWA MSE wall manual,

T_{al} = long-term geogrid design strength approved for chosen MSE wall system,

R_c = reinforcement coverage ratio = 1 for continuous geogrid reinforcement,

T_{max} = factored static load in accordance with Section 7.2 of the FHWA MSE wall manual,

T_I = factored impact load in accordance with Section 7.2 of the FHWA MSE wall manual, and

RF_{CR} = creep reduction factor approved for chosen MSE wall system.

If existing or future obstructions such as foundations, guardrail, fence or handrail posts, moment slabs, pavements, pipes, inlets or utilities will interfere with reinforcement, maintain a clearance of at least 3" between obstructions and reinforcement unless otherwise approved. Locate reinforcement layers so all of reinforcement length is within 3" of corresponding connection elevations.

Use 6" thick cast-in-place unreinforced concrete leveling pads beneath panels and SRW units that are continuous at steps and extend at least 6" in front of and behind bottom row of panels or SRW units. Unless required otherwise in the plans, embed top of leveling pads in accordance with the following requirements:

EMBEDMENT REQUIREMENTS

Front Slope[1] (H:V)	**Minimum Embedment Depth[2] (whichever is greater)**	
6:1 or flatter (except abutment walls)	H/20	1 ft for H ≤ 10 ft 2 ft for H > 10 ft
6:1 or flatter (abutment walls)	H/10	2 ft
> 6:1 to < 3:1	H/10	2 ft
3:1 to 2:1	H/7	2 ft

1. Front slope shown in the plans.
2. Define "H" as the maximum design height plus embedment per wall with the design height and embedment as shown in the plans.

When noted in the plans, locate a continuous aggregate shoulder drain along base of

reinforced zone behind aggregate. Provide wall drainage systems consisting of drains and outlet components in accordance with Standard Drawing No. 816.02 of the *Roadway Standard Drawings*.

For MSE walls with panels, place at least 2 bearing pads in each horizontal panel joint so the final horizontal joint opening is between 5/8" and 7/8". Additional bearing pads may be required for panels wider than 5 ft as determined by the Engineer. Cover joints at back of panels with filtration geotextiles at least 12" wide.

For segmental retaining walls, fill SRW unit core spaces with coarse aggregate and between and behind SRW units with coarse aggregate for a horizontal distance of at least 18".

Separation geotextiles are required between aggregate and overlying fill or pavement sections except when concrete pavement, full depth asphalt or cement treated base is placed directly on aggregate. Separation geotextiles may also be required between coarse aggregate and backfill or natural ground as determined by the Engineer.

Unless required otherwise in the plans, use reinforced concrete coping at top of walls. Extend coping at least 6" above where the grade intersects back of coping unless required otherwise in the plans. Use coping dimensions shown in the plans and cast-in-place concrete coping for segmental retaining walls and when noted in the plans. At the Contractor's option, connect cast-in-place concrete coping to panels and SRW units with dowels or extend coping down back of MSE walls. Also, connect cast-in-place leveling concrete for precast concrete coping to panels with dowels. When concrete barrier rail is required above MSE walls, use concrete barrier rail with moment slab as shown in the plans.

Submit working drawings and design calculations for acceptance in accordance with Article 105-2 of the *Standard Specifications*. Submit working drawings showing plan views, wall profiles with required resistances, typical sections with reinforcement and connection details, aggregate locations and types, geotextile locations and details of leveling pads, panels or SRW units, coping, bin walls, slip joints, etc. If necessary, include details on working drawings for concrete barrier rail with moment slab, geogrid splices if allowed for the chosen MSE wall system, reinforcement connected to end bent caps and obstructions extending through walls or interfering with reinforcement, leveling pads, barriers or moment slabs. Submit design calculations for each wall section with different surcharge loads, geometry or material parameters. At least one analysis is required for each wall section with different reinforcement lengths. When designing MSE walls with computer software other than MSEW, use MSEW version 3.0 with update 14.2 or later, manufactured by ADAMA Engineering, Inc. to verify the design. At least one MSEW analysis is required per 100 ft of wall length with at least one MSEW analysis for the wall section with the longest reinforcement length. Submit electronic MSEW input files and PDF output files with design calculations.

C. Preconstruction Meeting

Before starting MSE wall construction, hold a preconstruction meeting to discuss the construction and inspection of the MSE walls. Schedule this meeting after all MSE wall submittals have been accepted. The Resident or Bridge Maintenance Engineer, Bridge Construction Engineer, Geotechnical Operations Engineer, Contractor and MSE Wall Installer Superintendent will attend this preconstruction meeting.

4.0 CORROSION MONITORING

Corrosion monitoring is required for MSE walls with steel reinforcement. The Engineer will determine the number of monitoring locations and where to install the instrumentation. Contact the Materials and Tests (M&T) Unit before beginning wall construction. M&T will provide the corrosion monitoring instrumentation kits and if necessary, assistance with installation.

5.0 SITE ASSISTANCE

Unless otherwise approved, provide an MSE Wall Vendor representative to assist and guide the MSE Wall Installer on-site for at least 8 hours when the first panels or SRW units and reinforcement layer are placed. If problems are encountered during construction, the Engineer may require the vendor representative to return to the site for a time period determined by the Engineer.

6.0 CONSTRUCTION METHODS

Control drainage during construction in the vicinity of MSE walls. Direct run off away from MSE walls, aggregate and backfill. Contain and maintain aggregate and backfill and protect material from erosion.

Excavate as necessary for MSE walls in accordance with the accepted submittals. If applicable and at the Contractor's option, use temporary shoring for wall construction instead of temporary slopes to construct MSE walls. Define "temporary shoring for wall construction" as temporary shoring not shown in the plans or required by the Engineer including shoring for OSHA reasons or the Contractor's convenience.

Unless required otherwise in the plans, install foundations located in the reinforced zone before placing aggregate or reinforcement. Notify the Engineer when foundation excavation is complete. Do not place leveling pad concrete, aggregate or reinforcement until excavation dimensions and foundation material are approved.

Construct cast-in-place concrete leveling pads at elevations and with dimensions shown in the accepted submittals and in accordance with Section 420 of the *Standard Specifications*. Cure leveling pads at least 24 hours before placing panels or SRW units.

Erect and support panels and stack SRW units with no negative batter (wall face leaning forward) so the final wall position is as shown in the accepted submittals. Place SRW units with a maximum vertical joint width of 3/8".

Set panels with a vertical joint width of 3/4". Place bearing pads in horizontal panel joints

and cover all panel joints with filtration geotextiles as shown in the accepted submittals. Attach filtration geotextiles to back of panels with adhesives, tapes or other approved methods.

Stagger panels and SRW units to create a running bond by centering panels or SRW units over joints in the row below as shown in the accepted submittals. Construct MSE walls with the following tolerances:

A. SRW units are level from front to back and between units when checked with a 3 ft long level,

B. Final wall face is within 3/4" of horizontal and vertical alignment shown in the accepted submittals when measured along a 10 ft straightedge, and

C. Final wall plumbness (batter) is within 0.5° of vertical unless otherwise approved.

Place reinforcement at locations and elevations shown in the accepted submittals and within 3" of corresponding connection elevations. Install reinforcement with the direction shown in the accepted submittals. Place reinforcement in slight tension free of kinks, folds, wrinkles or creases. Do not splice steel reinforcement. Geogrids may be spliced once per reinforcement length if shown in the accepted submittals. Use geogrid pieces at least 6 ft long. Contact the Engineer when unanticipated existing or future obstructions such as foundations, guardrail, fence or handrail posts, pavements, pipes, inlets or utilities will interfere with reinforcement. To avoid obstructions, deflect, skew or modify reinforcement as shown in the accepted submittals.

Place aggregate in the reinforced zone in 8" to 10" thick lifts. Compact fine aggregate in accordance with Subarticle 235-3(C) of the *Standard Specifications*. Use only hand operated compaction equipment to compact aggregate within 3 ft of panels or SRW units. At a distance greater than 3 ft, compact aggregate with at least 4 passes of an 8 ton to 10 ton vibratory roller in a direction parallel to the wall face. Smooth wheeled or rubber tired rollers are also acceptable for compacting aggregate. Do not use sheepsfoot, grid rollers or other types of compaction equipment with feet. Do not displace or damage reinforcement when placing and compacting aggregate. End dumping directly on geogrids is not permitted. Do not operate heavy equipment on reinforcement until it is covered with at least 8" of aggregate. Replace any damaged reinforcement to the satisfaction of the Engineer.

Backfill for MSE walls outside the reinforced zone in accordance with Article 410-8 of the *Standard Specifications*. If a drain is required, install wall drainage systems as shown in the accepted submittals and in accordance with Section 816 of the *Standard Specifications*.

Place and construct coping and leveling concrete as shown in the accepted submittals. Construct leveling concrete in accordance with Section 420 of the *Standard Specifications*. Construct cast-in-place concrete coping in accordance with Subarticle 452-3(C) of the *Standard Specifications*. When single faced precast concrete barrier is required in front of and against MSE walls, stop coping just above barrier so coping does not interfere with placing barrier up against wall faces.

When separation geotextiles are required, overlap adjacent geotextiles at least 18" and hold separation geotextiles in place with wire staples or anchor pins as needed. Seal joints above and behind MSE walls between coping and ditches or concrete slope protection with silicone sealant.

7.0 MEASUREMENT AND PAYMENT

MSE Retaining Walls will be measured and paid in square feet. MSE walls will be measured as the square feet of exposed wall face area with the height equal to the difference between top and bottom of wall elevations. Define "top of wall" as top of coping or top of panels or SRW units for MSE walls without coping. Define "bottom of wall" as shown in the plans and no measurement will be made for portions of MSE walls embedded below bottom of wall elevations.

The contract unit price for *MSE Retaining Walls* will be full compensation for providing designs, submittals, labor, tools, equipment and MSE wall materials, excavating, backfilling, hauling and removing excavated materials and supplying site assistance, leveling pads, panels, SRW units, reinforcement, aggregate, wall drainage systems, geotextiles, bearing pads, coping, miscellaneous components and any incidentals necessary to construct MSE walls. The contract unit price for *MSE Retaining Walls* will also be full compensation for reinforcement connected to and aggregate behind end bent caps in the reinforced zone, if required.

No separate payment will be made for temporary shoring for wall construction. Temporary shoring for wall construction will be incidental to the contract unit price for *MSE Retaining Walls*.

The contract unit price for *MSE Retaining Walls* does not include the cost for ditches, fences, handrails, barrier or guardrail associated with MSE walls as these items will be paid for elsewhere in the contract.

Where it is necessary to provide backfill material behind the reinforced zone from sources other than excavated areas or borrow sources used in connection with other work in the contract, payment for furnishing and hauling such backfill material will be paid as extra work in accordance with Article 104-7 of the *Standard Specifications*. Placing and compacting such backfill material is not considered extra work but is incidental to the work being performed.

Payment will be made under:

Pay Item	**Pay Unit**
MSE Retaining Walls	Square Foot

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EUGENE A. CONTI, JR.
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October 18, 2011

NOTICE TO: To all Prequalified Contractors

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

SUBJECT: *2012 Standard Specifications* and *2012 Roadway Standard Drawings*

The subject publications will be effective with the January 2012 let and are currently available for purchase on the following website: **http://www.ncdot.gov/business/order/puborder.html.** If you have questions concerning ordering these publications, please contact Rick Montanez at (919) 707-6944.

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September 20, 2011

NOTICE TO: All Prequalified Bidders

FROM: R.A. Garris, P.E.
State Contract Engineer

SUBJECT: Revision of the **"Disadvantaged Business Enterprise"** and the **"Minority Business Enterprise and Women Business Enterprise"** Project Special Provisions

Beginning with the November 15, 2011 letting, the above subject project special provisions are to be effective on all Federal and State funded contracts.

Over the past year, the North Carolina Department of Transportation has been working with the contracting industry and the Federal Highway Administration on revisions to the "Disadvantaged Business Enterprise" special provision to make clarifications and enhancements. Likewise, these revisions are mirrored in the "Minority Business Enterprise and Women Business Enterprise" special provision. Attached for your convenience are copies of these provisions.

The Department encourages you to read the special provisions as there are changes to the way DBE or MBE and WBE participation is submitted with the bid and how they are considered toward the advertised goal. Please review the changes to the good faith effort requirements, the addition of the joint check and the replacement forms, how to count disadvantaged prime contractors toward the goal, the clarification of the use of leases in trucking, the addition of new forms such as the SAF (Subcontractor Approval Form) and Subcontractor Quote Comparison Sheet in good faith efforts, and the use of the DBE@ncdot.gov e-mail address for submittals.

It should be noted that with the changes to the special provisions, there will also be changes to the way that the DBE, MBE, and WBE firms are keyed in the Expedite bid system. At the time of bid, bidders shall submit all DBE or MBE and WBE participation that they anticipate to use during the life of the contract. Additional DBE or MBE and WBE participation submitted at the time of bid will be used toward the

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Department's overall race-neutral goals, may be used for MBE/WBE banking, and may later be used to replace a committed firm of the same category which is terminated for good cause.

Commitment to use the firm comes at the time that the bidder submits their Letter of Intent to use that firm on the project. When Letters of Intent are submitted, it must be for the same cost as what was submitted at time of bid. Letters of Intent for DBE goals will not commit participation greater than the advertised goal. Letters of Intent for MBE/WBE goals may exceed the goal to bank participation in accordance with the special provision but will not commit participation greater than the advertised goal.

If you have any questions on the special provision, you can contact Mr. Michael McKoy or Ms. Terry Canales, P.E. at 919-733-7174.

Attachments

DISADVANTAGED BUSINESS ENTERPRISE:
(10-16-07)(Rev 11-15-11) SP1 G61

Description

The purpose of this Special Provision is to carry out the U.S. Department of Transportation's policy of ensuring nondiscrimination in the award and administration of contracts financed in whole or in part with Federal funds. This provision is guided by 49 CFR Part 26.

Definitions

Additional DBE Subcontractors - Any DBE submitted at the time of bid that will not be used to meet the DBE goal. No submittal of a Letter of Intent is required.

Committed DBE Subcontractor - Any DBE submitted at the time of bid that is being used to meet the DBE goal by submission of a Letter of Intent. Or any DBE used as a replacement for a previously committed DBE firm.

Contract Goal Requirement - The approved DBE participation at time of award, but not greater than the advertised contract goal.

DBE Goal - A portion of the total contract, expressed as a percentage, that is to be performed by committed DBE subcontractor(s).

Disadvantaged Business Enterprise (DBE) - A firm certified as a Disadvantaged Business Enterprise through the North Carolina Unified Certification Program.

Goal Confirmation Letter - Written documentation from the Department to the bidder confirming the Contractor's approved, committed DBE participation along with a listing of the committed DBE firms.

Manufacturer - A firm that operates or maintains a factory or establishment that produces on the premises, the materials or supplies obtained by the Contractor.

Regular Dealer - A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for the performance of the contract are bought, kept in stock, and regularly sold to the public in the usual course of business. A regular dealer engages in, as its principal business and in its own name, the purchase and sale or lease of the products in question. A regular dealer in such bulk items as steel, cement, gravel, stone, and petroleum products need not keep such products in stock, if it owns and operates distribution equipment for the products. Brokers and packagers are not regarded as manufacturers or regular dealers within the meaning of this section.

North Carolina Unified Certification Program (NCUCP) - A program that provides comprehensive services and information to applicants for DBE certification, such that an applicant is required to apply only once for a DBE certification that will be honored by all

recipients of USDOT funds in the state and not limited to the Department of Transportation only. The Certification Program is in accordance with 49 CFR Part 26.

United States Department of Transportation (USDOT) - Federal agency responsible for issuing regulations (49 CFR Part 26) and official guidance for the DBE program.

Forms and Websites Referenced in this Provision

DBE Payment Tracking System - On-line system in which the Contractor enters the payments made to DBE subcontractors who have performed work on the project. https://apps.dot.state.nc.us/Vendor/PaymentTracking/

DBE-IS *Subcontractor Payment Information* - Form for reporting the payments made to all DBE firms working on the project. This form is for paper bid projects only. http://www.ncdot.org/doh/forms/files/DBE-IS.xls

RF-1 *DBE Replacement Request Form* - Form for replacing a committed DBE. https://apps.dot.state.nc.us/_includes/download/external.html?pdf=http%3A//www.ncdot.gov/doh/forms/files/RF-1.pdf

SAF *Subcontract Approval Form* - Form required for approval to sublet the contract. http://www.ncdot.org/doh/operations/dp_chief_eng/constructionunit/saf.xls

JC-1 *Joint Check Notification Form* - Form and procedures for joint check notification. The form acts as a written joint check agreement among the parties providing full and prompt disclosure of the expected use of joint checks. https://apps.dot.state.nc.us/_includes/download/external.html?pdf=http%3A//www.ncdot.gov/doh/forms/files/JC-1.pdf

Letter of Intent - Form signed by the Contractor and the DBE subcontractor, manufacturer or regular dealer that affirms that a portion of said contract is going to be performed by the signed DBE for the amount listed at the time of bid. http://www.ncdot.org/doh/preconstruct/ps/contracts/letterofintent.pdf

Listing of DBE Subcontractors Form - Form for entering DBE subcontractors on a project that will meet this DBE goal. This form is for paper bids only. http://www.ncdot.gov/doh/preconstruct/ps/word/MISC2.doc

Subcontractor Quote Comparison Sheet - Spreadsheet for showing all subcontractor quotes in the work areas where DBEs quoted on the project. This sheet is submitted with good faith effort packages. http://www.ncdot.gov/business/ocs/goodfaith/excel/Ex_Subcontractor_Quote_Comparison.xls

DBE Goal

The following DBE goal for participation by Disadvantaged Business Enterprises is established for this contract:

Disadvantaged Business Enterprises **[number to the nearest tenth] %**

(A) *If the DBE goal is more than zero*, the Contractor shall exercise all necessary and reasonable steps to ensure that DBEs participate in at least the percent of the contract as set forth above as the DBE goal.

(B) *If the DBE goal is zero*, the Contractor shall make an effort to recruit and use DBEs during the performance of the contract. Any DBE participation obtained shall be reported to the Department.

Directory of Transportation Firms (Directory)

Real-time information is available about firms doing business with the Department and firms that are certified through NCUCP in the Directory of Transportation Firms. Only firms identified in the Directory as DBE certified shall be used to meet the DBE goal. The Directory can be found at the following link. https://partner.ncdot.gov/VendorDirectory/default.html

The listing of an individual firm in the directory shall not be construed as an endorsement of the firm's capability to perform certain work.

Listing of DBE Subcontractors

At the time of bid, bidders shall submit <u>all</u> DBE participation that they anticipate to use during the life of the contract. Only those identified to meet the DBE goal will be considered committed, even though the listing shall include both committed DBE subcontractors and additional DBE subcontractors. Additional DBE subcontractor participation submitted at the time of bid will be used toward the Department's overall race-neutral goal. Only those firms with current DBE certification at the time of bid opening will be acceptable for listing in the bidder's submittal of DBE participation. The Contractor shall indicate the following required information:

(A) Electronic Bids

Bidders shall submit a listing of DBE participation in the appropriate section of Expedite, the bidding software of Bid Express®.

(1) Submit the names and addresses of DBE firms identified to participate in the contract. If the bidder uses the updated listing of DBE firms shown in Expedite, the bidder may use the dropdown menu to access the name and address of the DBE firm.

(2) Submit the contract line numbers of work to be performed by each DBE firm. When no figures or firms are entered, the bidder will be considered to have no DBE participation.

(3) The bidder shall be responsible for ensuring that the DBE is certified at the time of bid by checking the Directory of Transportation Firms. If the firm is not certified at the time of the bid-letting, that DBE's participation will not count towards achieving the DBE goal.

(B) Paper Bids

Blank forms will not be deemed to represent zero participation. Bids submitted that do not have DBE participation indicated on the appropriate form will not be read publicly during the opening of bids. The Department will not consider these bids for award and the proposal will be rejected.

(1) *If the DBE goal is more than zero,*

(a) Bidders, at the time the bid proposal is submitted, shall submit a listing of DBE participation, including the names and addresses on *Listing of DBE Subcontractors* contained elsewhere in the contract documents in order for the bid to be considered responsive. Bidders shall indicate the total dollar value of the DBE participation for the contract.

(b) If bidders have no DBE participation, they shall indicate this on the *Listing of DBE Subcontractors* by entering the word "None" or the number "0." This form shall be completed in its entirety.

(c) The bidder shall be responsible for ensuring that the DBE is certified at the time of bid by checking the Directory of Transportation Firms. If the firm is not certified at the time of the bid-letting, that DBE's participation will not count towards achieving the DBE goal.

(2) *If the DBE goal is zero,* bidders, at the time the bid proposal is submitted, shall enter the word "None"; or the number "0"; or if there is participation, add the value on the *Listing of DBE Subcontractors* contained elsewhere in the contract documents.

DBE Prime Contractor

When a certified DBE firm bids on a contract that contains a DBE goal, the DBE firm is responsible for meeting the goal or making good faith efforts to meet the goal, just like any other bidder. In most cases, a DBE bidder on a contract will meet the DBE goal by virtue of the work it performs on the contract with its own forces. However, all the work that is performed by the DBE bidder and any other DBE subcontractors will count toward the DBE goal. The DBE bidder shall list itself along with any DBE subcontractors, if any, in order to receive credit toward the DBE goal.

For example, if the DBE goal is 45% and the DBE bidder will only perform 40% of the contract work, the prime will list itself at 40%, and the additional 5% shall be obtained through additional DBE participation with DBE subcontractors or documented through a good faith effort.

DBE prime contractors shall also follow Sections A and B listed under *Listing of DBE Subcontractor* just as a non-DBE bidder would.

Written Documentation – Letter of Intent

The bidder shall submit written documentation for each DBE that will be used to meet the DBE goal of the contract, indicating the bidder's commitment to use the DBE in the contract. This documentation shall be submitted on the Department's form titled *Letter of Intent.*

The documentation shall be received in the office of the State Contractor Utilization Engineer or at DBE@ncdot.gov no later than 12:00 noon of the sixth calendar day following opening of bids, unless the sixth day falls on an official state holiday. In that situation, it is due in the office of the State Contractor Utilization Engineer no later than 12:00 noon on the next official state business day.

If the bidder fails to submit the Letter of Intent from each committed DBE to be used toward the DBE goal, or if the form is incomplete (i.e. both signatures are not present), the DBE participation will not count toward meeting the DBE goal. If the lack of this participation drops the commitment below the DBE goal, the Contractor shall submit evidence of good faith efforts, completed in its entirety, to the State Contractor Utilization Engineer or DBE@ncdot.gov no later than 12:00 noon on the eighth calendar day following opening of bids, unless the eighth day falls on an official state holiday. In that situation, it is due in the office of the State Contractor Utilization Engineer no later than 12:00 noon on the next official state business day.

Submission of Good Faith Effort

If the bidder fails to meet or exceed the DBE goal the apparent lowest responsive bidder shall submit to the Department documentation of adequate good faith efforts made to reach the DBE goal.

A hard copy and an electronic copy of this information shall be received in the office of the State Contractor Utilization Engineer or at DBE@ncdot.gov no later than 12:00 noon of the sixth calendar day following opening of bids unless the sixth day falls on an official state holiday. In that situation, it would be due in the office of the State Contractor Utilization Engineer the next official state business day. If the contractor cannot send the information electronically, then one complete set and 9 copies of this information shall be received under the same time constraints above.

Note: Where the information submitted includes repetitious solicitation letters, it will be acceptable to submit a representative letter along with a distribution list of the firms that were solicited. Documentation of DBE quotations shall be a part of the good faith effort submittal.

This documentation may include written subcontractor quotations, telephone log notations of verbal quotations, or other types of quotation documentation.

Consideration of Good Faith Effort for Projects with DBE Goals More Than Zero

Adequate good faith efforts mean that the bidder took all necessary and reasonable steps to achieve the goal which, by their scope, intensity, and appropriateness, could reasonably be expected to obtain sufficient DBE participation. Adequate good faith efforts also mean that the bidder actively and aggressively sought DBE participation. Mere *pro forma* efforts are not considered good faith efforts.

The Department will consider the quality, quantity, and intensity of the different kinds of efforts a bidder has made. Listed below are examples of the types of actions a bidder will take in making a good faith effort to meet the goal and are not intended to be exclusive or exhaustive, nor is it intended to be a mandatory checklist.

(A) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices through the use of the NCDOT Directory of Transportation Firms) the interest of all certified DBEs who have the capability to perform the work of the contract. The bidder must solicit this interest within at least 10 days prior to bid opening to allow the DBEs to respond to the solicitation. Solicitation shall provide the opportunity to DBEs within the Division and surrounding Divisions where the project is located. The bidder must determine with certainty if the DBEs are interested by taking appropriate steps to follow up initial solicitations.

(B) Selecting portions of the work to be performed by DBEs in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces.

(C) Providing interested DBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.

(D) (1) Negotiating in good faith with interested DBEs. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBEs to perform the work.

(2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBEs is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidding contractors are not, however, required to accept higher quotes from DBEs if the price difference is excessive or unreasonable.

(E) Not rejecting DBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associates and political or social affiliations (for example, union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.

(F) Making efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or bidder.

(G) Making efforts to assist interested DBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

(H) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; Federal, State, and local minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBEs. Contact within 7 days from the bid opening the Business Development Manager in the Business Opportunity and Work Force Development Unit to give notification of the bidder's inability to get DBE quotes.

(I) Any other evidence that the bidder submits which shows that the bidder has made reasonable good faith efforts to meet the DBE goal.

In addition, the Department may take into account the following:

(1) Whether the bidder's documentation reflects a clear and realistic plan for achieving the DBE goal.

(2) The bidders' past performance in meeting the DBE goals.

(3) The performance of other bidders in meeting the DBE goal. For example, when the apparent successful bidder fails to meet the DBE goal, but others meet it, you may reasonably raise the question of whether, with additional reasonable efforts the apparent successful bidder could have met the goal. If the apparent successful bidder fails to meet the DBE goal, but meets or exceeds the average DBE participation obtained by other bidders, the Department may view this,

in conjunction with other factors, as evidence of the apparent successful bidder having made a good faith effort.

If the Department does not award the contract to the apparent lowest responsive bidder, the Department reserves the right to award the contract to the next lowest responsive bidder that can satisfy to the Department that the DBE goal can be met or that an adequate good faith effort has been made to meet the DBE goal.

Non-Good Faith Appeal

The State Contractor Utilization Engineer will notify the contractor verbally and in writing of non-good faith. A contractor may appeal a determination of non-good faith made by the Goal Compliance Committee. If a contractor wishes to appeal the determination made by the Committee, they shall provide written notification to the State Contractual Services Engineer or at DBE@ncdot.gov. The appeal shall be made within 2 business days of notification of the determination of non-good faith.

Counting DBE Participation Toward Meeting DBE Goal

(A) Participation

The total dollar value of the participation by a committed DBE will be counted toward the contract goal requirement. The total dollar value of participation by a committed DBE will be based upon the value of work actually performed by the DBE and the actual payments to DBE firms by the Contractor.

(B) Joint Checks

Prior notification of joint check use shall be required when counting DBE participation for services or purchases that involves the use of a joint check. Notification shall be through submission of Form JC-1 *(Joint Check Notification Form)* and the use of joint checks shall be in accordance with the Department's Joint Check Procedures.

(C) Subcontracts (Non-Trucking)

A DBE may enter into subcontracts. Work that a DBE subcontracts to another DBE firm may be counted toward the contract goal requirement. Work that a DBE subcontracts to a non-DBE firm does <u>not</u> count toward the contract goal requirement. If a DBE contractor or subcontractor subcontracts a significantly greater portion of the work of the contract than would be expected on the basis of standard industry practices, it shall be presumed that the DBE is not performing a commercially useful function. The DBE may present evidence to rebut this presumption to the Department. The Department's decision on the rebuttal of this presumption is subject to review by the Federal Highway Administration but is not administratively appealable to USDOT.

(D) Joint Venture

When a DBE performs as a participant in a joint venture, the Contractor may count toward its contract goal requirement a portion of the total value of participation with the DBE in the joint venture, that portion of the total dollar value being a distinct clearly defined portion of work that the DBE performs with its forces.

(E) Suppliers

A contractor may count toward its DBE requirement 60 percent of its expenditures for materials and supplies required to complete the contract and obtained from a DBE regular dealer and 100 percent of such expenditures from a DBE manufacturer.

(F) Manufacturers and Regular Dealers

A contractor may count toward its DBE requirement the following expenditures to DBE firms that are not manufacturers or regular dealers:

(1) The fees or commissions charged by a DBE firm for providing a *bona fide* service, such as professional, technical, consultant, or managerial services, or for providing bonds or insurance specifically required for the performance of a DOT-assisted contract, provided the fees or commissions are determined to be reasonable and not excessive as compared with fees and commissions customarily allowed for similar services.

(2) With respect to materials or supplies purchased from a DBE, which is neither a manufacturer nor a regular dealer, count the entire amount of fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site (but not the cost of the materials and supplies themselves), provided the fees are determined to be reasonable and not excessive as compared with fees customarily allowed for similar services.

Commercially Useful Function

(A) DBE Utilization

The Contractor may count toward its contract goal requirement only expenditures to DBEs that perform a commercially useful function in the work of a contract. A DBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the DBE shall also be responsible with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material and installing (where applicable) and paying for the material itself. To determine whether a DBE is performing a commercially useful function, the Department will

evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing and the DBE credit claimed for its performance of the work, and any other relevant factors.

(B) DBE Utilization in Trucking

The following factors will be used to determine if a DBE trucking firm is performing a commercially useful function.

(1) The DBE shall be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular contract, and there shall not be a contrived arrangement for the purpose of meeting DBE goals.

(2) The DBE shall itself own and operate at least one fully licensed, insured, and operational truck used on the contract.

(3) The DBE receives credit for the total value of the transportation services it provides on the contract using trucks it owns, insures, and operates using drivers it employs.

(4) The DBE may subcontract the work to another DBE firm, including an owner-operator who is certified as a DBE. The DBE who subcontracts work to another DBE receives credit for the total value of the transportation services the subcontracted DBE provides on the contract.

(5) The DBE may also subcontract the work to a non-DBE firm, including from an owner-operator. The DBE who subcontracts the work to a non-DBE is entitled to credit for the total value of transportation services provided by the non-DBE subcontractor not to exceed the value of transportation services provided by DBE-owned trucks on the contract. Additional participation by non-DBE subcontractors receives credit only for the fee or commission it receives as a result of the subcontract arrangement. The value of services performed under subcontract agreements between the DBE and the Contractor will not count towards the DBE contract requirement.

(6) A DBE may lease truck(s) from an established equipment leasing business open to the general public. The lease must indicate that the DBE has exclusive use of and control over the truck. This requirement does not preclude the leased truck from working for others during the term of the lease with the consent of the DBE, so long as the lease gives the DBE absolute priority for use of the leased truck. This type of lease may count toward the DBE's credit as long as the driver is under the DBE's payroll.

(7) Subcontracted/leased trucks shall display clearly on the dashboard the name of the DBE that they are subcontracted/leased to and their own company name if it is not identified on the truck itself. Magnetic door signs are not permitted.

DBE Replacement

When a Contractor has relied on a commitment to a DBE firm (or an approved substitute DBE firm) to meet all or part of a contract goal requirement, the contractor shall not terminate the DBE for convenience. This includes, but is not limited to, instances in which the Contractor seeks to perform the work of the terminated subcontractor with another DBE subcontractor, a non-DBE subcontractor, or with the Contractor's own forces or those of an affiliate. A DBE may only be terminated after receiving the Engineer's written approval based upon a finding of good cause for the termination.

All requests for replacement of a committed DBE firm shall be submitted to the Engineer for approval on Form RF-1 *(DBE Replacement Request)*. If the Contractor fails to follow this procedure, the Contractor may be disqualified from further bidding for a period of up to 6 months.

The Contractor shall comply with the following for replacement of a committed DBE:

(A) Performance Related Replacement

When a committed DBE is terminated for good cause as stated above, an additional DBE that was submitted at the time of bid may be used to fulfill the DBE commitment. A good faith effort will only be required for removing a committed DBE if there were no additional DBEs submitted at the time of bid to cover the same amount of work as the DBE that was terminated.

If a replacement DBE is not found that can perform at least the same amount of work as the terminated DBE, the Contractor shall submit a good faith effort documenting the steps taken. Such documentation shall include, but not be limited to, the following:

(1) Copies of written notification to DBEs that their interest is solicited in contracting the work defaulted by the previous DBE or in subcontracting other items of work in the contract.

(2) Efforts to negotiate with DBEs for specific subbids including, at a minimum:

(a) The names, addresses, and telephone numbers of DBEs who were contacted.
(b) A description of the information provided to DBEs regarding the plans and specifications for portions of the work to be performed.

(3) A list of reasons why DBE quotes were not accepted.

(4) Efforts made to assist the DBEs contacted, if needed, in obtaining bonding or insurance required by the Contractor.

(B) Decertification Replacement

(1) When a committed DBE is decertified by the Department after the SAF (*Subcontract Approval Form*) has been received by the Department, the Department will not require the Contractor to solicit replacement DBE participation equal to the remaining work to be performed by the decertified firm. The participation equal to the remaining work performed by the decertified firm will count toward the contract goal requirement.

(2) When a committed DBE is decertified prior to the Department receiving the SAF (*Subcontract Approval Form*) for the named DBE firm, the Contractor shall take all necessary and reasonable steps to replace the DBE subcontractor with another DBE subcontractor to perform at least the same amount of work to meet the DBE goal requirement. If a DBE firm is not found to do the same amount of work, a good faith effort must be submitted to NCDOT (see A herein for required documentation).

Changes in the Work

When the Engineer makes changes that result in the reduction or elimination of work to be performed by a committed DBE, the Contractor will not be required to seek additional participation. When the Engineer makes changes that result in additional work to be performed by a DBE based upon the Contractor's commitment, the DBE shall participate in additional work to the same extent as the DBE participated in the original contract work.

When the Engineer makes changes that result in extra work, which has more than a minimal impact on the contract amount, the Contractor shall seek additional participation by DBEs unless otherwise approved by the Engineer.

When the Engineer makes changes that result in an alteration of plans or details of construction, and a portion or all of the work had been expected to be performed by a committed DBE, the Contractor shall seek participation by DBEs unless otherwise approved by the Engineer.

When the Contractor requests changes in the work that result in the reduction or elimination of work that the Contractor committed to be performed by a DBE, the Contractor shall seek additional participation by DBEs equal to the reduced DBE participation caused by the changes.

Reports and Documentation

A SAF (*Subcontract Approval Form*) shall be submitted for all work which is to be performed by a DBE subcontractor. The Department reserves the right to require copies of actual subcontract agreements involving DBE subcontractors.

When using transportation services to meet the contract commitment, the Contractor shall submit a proposed trucking plan in addition to the SAF. The plan shall be submitted prior to beginning construction on the project. The plan shall include the names of all trucking firms proposed for use, their certification type(s), the number of trucks owned by the firm, as well as the individual truck identification numbers, and the line item(s) being performed.

Within 30 calendar days of entering into an agreement with a DBE for materials, supplies or services, not otherwise documented by the SAF as specified above, the Contractor shall furnish the Engineer a copy of the agreement. The documentation shall also indicate the percentage (60% or 100%) of expenditures claimed for DBE credit.

Reporting Disadvantaged Business Enterprise Participation

The Contractor shall provide the Engineer with an accounting of payments made to all DBE firms, including material suppliers and contractors at all levels (prime, subcontractor, or second tier subcontractor). This accounting shall be furnished to the Engineer for any given month by the end of the following month. Failure to submit this information accordingly may result in the following action:

(A) Withholding of money due in the next partial pay estimate; or

(B) Removal of an approved contractor from the prequalified bidders' list or the removal of other entities from the approved subcontractors list.

While each contractor (prime, subcontractor, 2nd tier subcontractor) is responsible for accurate accounting of payments to DBEs, it shall be the prime contractor's responsibility to report all monthly and final payment information in the correct reporting manner.

Failure on the part of the Contractor to submit the required information in the time frame specified may result in the disqualification of that contractor and any affiliate companies from further bidding until the required information is submitted.

Failure on the part of any subcontractor to submit the required information in the time frame specified may result in the disqualification of that contractor and any affiliate companies from being approved for work on future DOT projects until the required information is submitted.

Contractors reporting transportation services provided by non-DBE lessees shall evaluate the value of services provided during the month of the reporting period only.

At any time, the Engineer can request written verification of subcontractor payments.

(A) Electronic Bids Reporting

The Contractor shall report the accounting of payments through the Department's DBE Payment Tracking System.

(B) Paper Bids Reporting

The Contractor shall report the accounting of payments on the Department's DBE-IS *(Subcontractor Payment Information)* with each invoice. Invoices will not be processed for payment until the DBE-IS is received.

Failure to Meet Contract Requirements

Failure to meet contract requirements in accordance with Subarticle 102-16(J) of the *2006 Standard Specifications* may be cause to disqualify the Contractor from further bidding for a specified length of time.

MINORITY BUSINESS ENTERPRISE AND WOMEN BUSINESS ENTERPRISE:

(10-16-07)(Rev 11-15-11) SP1 G67

Description

The purpose of this Special Provision is to carry out the North Carolina Department of Transportation's policy of ensuring nondiscrimination in the award and administration of contracts financed in whole or in part with State funds.

Definitions

Additional MBE/WBE Subcontractors - Any MBE/WBE submitted at the time of bid that will not be used to meet either the MBE or WBE goal. No submittal of a Letter of Intent is required, unless the additional participation is used for banking purposes.

Committed MBE/WBE Subcontractor - Any MBE/WBE submitted at the time of bid that is being used to meet either the MBE or WBE goal by submission of a Letter of Intent. Or any MBE or WBE used as a replacement for a previously committed MBE or WBE firm.

Contract Goals Requirement - The approved MBE and WBE participation at time of award, but not greater than the advertised contract goals for each.

Goal Confirmation Letter - Written documentation from the Department to the bidder confirming the Contractor's approved, committed MBE and WBE participation along with a listing of the committed MBE and WBE firms.

Manufacturer - A firm that operates or maintains a factory or establishment that produces on the premises, the materials or supplies obtained by the Contractor.

MBE Goal - A portion of the total contract, expressed as a percentage, that is to be performed by committed MBE subcontractor(s).

Minority Business Enterprise (MBE) - A firm certified as a Disadvantaged Minority-Owned Business Enterprise through the North Carolina Unified Certification Program.

Regular Dealer - A firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for the performance of the contract are bought, kept in stock, and regularly sold to the public in the usual course of business. A regular dealer engages in, as its principal business and in its own name, the purchase and sale or lease of the products in question. A regular dealer in such bulk items as steel, cement, gravel, stone, and petroleum products need not keep such products in stock, if it owns and operates distribution equipment for the products. Brokers and packagers are not regarded as manufacturers or regular dealers within the meaning of this section.

North Carolina Unified Certification Program (NCUCP) - A program that provides comprehensive services and information to applicants for MBE/WBE certification.

The MBE/WBE program follows the same regulations as the federal Disadvantaged Business Enterprise (DBE) program in accordance with 49 CFR Part 26.

United States Department of Transportation (USDOT) - Federal agency responsible for issuing regulations (49 CFR Part 26) and official guidance for the DBE program.

WBE Goal - A portion of the total contract, expressed as a percentage, that is to be performed by committed WBE subcontractor(s).

Women Business Enterprise (WBE) - A firm certified as a Disadvantaged Women-Owned Business Enterprise through the North Carolina Unified Certification Program.

Forms and Websites Referenced in this Provision

Payment Tracking System - On-line system in which the Contractor enters the payments made to MBE and WBE subcontractors who have performed work on the project. https://apps.dot.state.nc.us/Vendor/PaymentTracking/

DBE-IS *Subcontractor Payment Information* - Form for reporting the payments made to all MBE/WBE firms working on the project. This form is for paper bid projects only. http://www.ncdot.org/doh/forms/files/DBE-IS.xls

RF-1 *MBE/WBE Replacement Request Form* - Form for replacing a committed MBE or WBE. https://apps.dot.state.nc.us/_includes/download/external.html?pdf=http%3A//www.ncdot.gov/doh/forms/files/RF-1.pdf

SAF *Subcontract Approval Form* - Form required for approval to sublet the contract. http://www.ncdot.org/doh/operations/dp_chief_eng/constructionunit/saf.xls

JC-1 *Joint Check Notification Form* - Form and procedures for joint check notification. The form acts as a written joint check agreement among the parties providing full and prompt disclosure of the expected use of joint checks. https://apps.dot.state.nc.us/_includes/download/external.html?pdf=http%3A//www.ncdot.gov/doh/forms/files/JC-1.pdf

Letter of Intent - Form signed by the Contractor and the MBE/WBE subcontractor, manufacturer or regular dealer that affirms that a portion of said contract is going to be performed by the signed MBE/WBE for the amount listed at the time of bid. http://www.ncdot.org/doh/preconstruct/ps/contracts/letterofintent.pdf

Listing of MBE and WBE Subcontractors Form - Form for entering MBE/WBE subcontractors on a project that will meet this MBE and WBE goals. This form is for paper bids only. http://www.ncdot.gov/doh/preconstruct/ps/word/MISC3.doc

Subcontractor Quote Comparison Sheet - Spreadsheet for showing all subcontractor quotes in the work areas where MBEs and WBEs quoted on the project. This sheet is submitted with good faith effort packages.
http://www.ncdot.gov/business/ocs/goodfaith/excel/Ex_Subcontractor_Quote_Comparison.xls

MBE and WBE Goal

The following goals for participation by Minority Business Enterprises and Women Business Enterprises are established for this contract:

(A) Minority Business Enterprises **[number to the nearest tenth] %**

(1) *If the MBE goal is more than zero*, the Contractor shall exercise all necessary and reasonable steps to ensure that MBEs participate in at least the percent of the contract as set forth above as the MBE goal.

(2) *If the MBE goal is zero*, the Contractor shall make an effort to recruit and use MBEs during the performance of the contract. Any MBE participation obtained shall be reported to the Department.

(B) Women Business Enterprises **[number to the nearest tenth] %**

(1) *If the WBE goal is more than zero*, the Contractor shall exercise all necessary and reasonable steps to ensure that WBEs participate in at least the percent of the contract as set forth above as the WBE goal.

(2) *If the WBE goal is zero*, the Contractor shall make an effort to recruit and use WBEs during the performance of the contract. Any WBE participation obtained shall be reported to the Department.

Directory of Transportation Firms (Directory)

Real-time information is available about firms doing business with the Department and firms that are certified through NCUCP in the Directory of Transportation Firms. Only firms identified in the Directory as MBE and WBE certified shall be used to meet the MBE and WBE goals respectively. The Directory can be found at the following link. https://partner.ncdot.gov/VendorDirectory/default.html

The listing of an individual firm in the directory shall not be construed as an endorsement of the firm's capability to perform certain work.

Listing of MBE/WBE Subcontractors

At the time of bid, bidders shall submit all MBE and WBE participation that they anticipate to use during the life of the contract. Only those identified to meet the MBE goal and the WBE goal will be considered committed, even though the listing shall include both committed

MBE/WBE subcontractors and additional MBE/WBE subcontractors. Any additional MBE/WBE subcontractor participation above the goal for which letters of intent are received will follow the banking guidelines found elsewhere in this provision. All other additional MBE/WBE subcontractor participation submitted at the time of bid will be used toward the Department's overall race-neutral goals. Only those firms with current MBE and WBE certification at the time of bid opening will be acceptable for listing in the bidder's submittal of MBE and WBE participation. The Contractor shall indicate the following required information:

(A) Electronic Bids

Bidders shall submit a listing of MBE and WBE participation in the appropriate section of Expedite, the bidding software of Bid Express®.

(1) Submit the names and addresses of MBE and WBE firms identified to participate in the contract. If the bidder uses the updated listing of MBE and WBE firms shown in Expedite, the bidder may use the dropdown menu to access the name and address of the firms.

(2) Submit the contract line numbers of work to be performed by each MBE and WBE firm. When no figures or firms are entered, the bidder will be considered to have no MBE or WBE participation.

(3) The bidder shall be responsible for ensuring that the MBE and WBE are certified at the time of bid by checking the Directory of Transportation Firms. If the firm is not certified at the time of the bid-letting, that MBE's or WBE's participation will not count towards achieving either the MBE or WBE goal.

(B) Paper Bids

Blank forms will not be deemed to represent zero participation. Bids submitted that do not have MBE and WBE participation indicated on the appropriate form will not be read publicly during the opening of bids. The Department will not consider these bids for award and the proposal will be rejected.

(1) *If either the MBE or WBE goal is more than zero,*

(a) Bidders, at the time the bid proposal is submitted, shall submit a listing of MBE/WBE participation, including the names and addresses on *Listing of MBE and WBE Subcontractors* contained elsewhere in the contract documents in order for the bid to be considered responsive. Bidders shall indicate the total dollar value of the MBE and WBE participation for the contract.

(b) If bidders have no MBE or WBE participation, they shall indicate this on the *Listing of MBE and WBE Subcontractors* by entering the word "None" or the number "0." This form shall be completed in its entirety.

(c) The bidder shall be responsible for ensuring that the MBE/WBE is certified at the time of bid by checking the Directory of Transportation Firms. If the firm is not certified at the time of the bid-letting, that MBE's or WBE's participation will not count towards achieving the corresponding goal.

(2) *If either the MBE or WBE goal is zero,* bidders, at the time the bid proposal is submitted, shall enter the word "None"; or the number "0"; or if there is participation, add the value on the *Listing of MBE and WBE Subcontractors* contained elsewhere in the contract documents.

MBE or WBE Prime Contractor

When a certified MBE or WBE firm bids on a contract that contains MBE and WBE goals, the firm is responsible for meeting the goals or making good faith efforts to meet the goals, just like any other bidder. In most cases, a MBE or WBE bidder on a contract will meet one of the goals by virtue of the work it performs on the contract with its own forces. However, all the work that is performed by the MBE or WBE bidder and any other similarly certified subcontractors will count toward the goal. The MBE or WBE bidder shall list itself along with any MBE or WBE subcontractors, if any, in order to receive credit toward the goals.

For example, on a proposed contract, the WBE goal is 10%, and the MBE goal is 8%. A WBE bidder puts in a bid where they will perform 40% of the contract work and have a WBE subcontractor which will perform another 5% of the work. Together the two WBE firms submit on the *Listing of MBE and WBE Subcontractors* a value of 45% of the contract which fulfills the WBE goal. The 8% MBE goal shall be obtained through MBE participation with MBE certified subcontractors or documented through a good faith effort. It should be noted that you cannot combine the two goals to meet an overall value. The two goals shall remain separate.

MBE/WBE prime contractors shall also follow Sections A and B listed under *Listing of MBE and WBE Subcontractor* just as a non-MBE/WBE bidder would.

Written Documentation – Letter of Intent

The bidder shall submit written documentation for each MBE/WBE that will be used to meet the MBE and WBE goals of the contract, indicating the bidder's commitment to use the MBE/WBE in the contract. This documentation shall be submitted on the Department's form titled *Letter of Intent.*

The documentation shall be received in the office of the State Contractor Utilization Engineer or at DBE@ncdot.gov no later than 12:00 noon of the sixth calendar day following opening of bids, unless the sixth day falls on an official state holiday. In that situation, it is due in the office of the State Contractor Utilization Engineer no later than 12:00 noon on the next official state business day.

If the bidder fails to submit the Letter of Intent from each committed MBE and WBE to be used toward the MBE and WBE goals, or if the form is incomplete (i.e. both signatures are not present), the MBE/WBE participation will not count toward meeting the MBE/WBE goal. If the lack of this participation drops the commitment below either the MBE or WBE goal, the Contractor shall submit evidence of good faith efforts for the goal not met, completed in its entirety, to the State Contractor Utilization Engineer or DBE@ncdot.gov no later than 12:00 noon on the eighth calendar day following opening of bids, unless the eighth day falls on an official state holiday. In that situation, it is due in the office of the State Contractor Utilization Engineer no later than 12:00 noon on the next official state business day.

Submission of Good Faith Effort

If the bidder fails to meet or exceed either the MBE or the WBE goal the apparent lowest responsive bidder shall submit to the Department documentation of adequate good faith efforts made to reach that specific goal(s).

A hard copy and an electronic copy of this information shall be received in the office of the State Contractor Utilization Engineer or at DBE@ncdot.gov no later than 12:00 noon of the sixth calendar day following opening of bids unless the sixth day falls on an official state holiday. In that situation, it would be due in the office of the State Contractor Utilization Engineer the next official state business day. If the contractor cannot send the information electronically, then one complete set and 9 copies of this information shall be received under the same time constraints above.

Note: Where the information submitted includes repetitious solicitation letters, it will be acceptable to submit a representative letter along with a distribution list of the firms that were solicited. Documentation of MBE/WBE quotations shall be a part of the good faith effort submittal. This documentation may include written subcontractor quotations, telephone log notations of verbal quotations, or other types of quotation documentation.

Consideration of Good Faith Effort for Projects with MBE/WBE Goals More Than Zero

Adequate good faith efforts mean that the bidder took all necessary and reasonable steps to achieve the goal which, by their scope, intensity, and appropriateness, could reasonably be expected to obtain sufficient MBE/WBE participation. Adequate good faith efforts also mean that the bidder actively and aggressively sought MBE/WBE participation. Mere *pro forma* efforts are not considered good faith efforts.

The Department will consider the quality, quantity, and intensity of the different kinds of efforts a bidder has made. Listed below are examples of the types of actions a bidder will take in making a good faith effort to meet the goals and are not intended to be exclusive or exhaustive, nor is it intended to be a mandatory checklist.

(A) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices through the use of the NCDOT Directory of Transportation Firms) the interest of all certified MBEs/WBEs who have the capability to

perform the work of the contract. The bidder must solicit this interest within at least 10 days prior to bid opening to allow the MBEs/WBEs to respond to the solicitation. Solicitation shall provide the opportunity to MBEs/WBEs within the Division and surrounding Divisions where the project is located. The bidder must determine with certainty if the MBEs/WBEs are interested by taking appropriate steps to follow up initial solicitations.

(B) Selecting portions of the work to be performed by MBEs/WBEs in order to increase the likelihood that the MBE and WBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate MBE/WBE participation, even when the prime contractor might otherwise prefer to perform these work items with its own forces.

(C) Providing interested MBEs/WBEs with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.

(D) (1) Negotiating in good faith with interested MBEs/WBEs. It is the bidder's responsibility to make a portion of the work available to MBE/WBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available MBE/WBE subcontractors and suppliers, so as to facilitate MBE/WBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of MBEs/WBEs that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for MBEs/WBEs to perform the work.

(2) A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including MBE/WBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using MBEs/WBEs is not in itself sufficient reason for a bidder's failure to meet the contract MBE or WBE goals, as long as such costs are reasonable. Also, the ability or desire of a prime contractor to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidding contractors are not, however, required to accept higher quotes from MBEs/WBEs if the price difference is excessive or unreasonable.

(E) Not rejecting MBEs/WBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associates and political or social affiliations (for example, union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.

(F) Making efforts to assist interested MBEs/WBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or bidder.

(G) Making efforts to assist interested MBEs/WBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

(H) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; Federal, State, and local minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of MBEs/WBEs. Contact within 7 days from the bid opening the Business Development Manager in the Business Opportunity and Work Force Development Unit to give notification of the bidder's inability to get MBE or WBE quotes.

(I) Any other evidence that the bidder submits which shows that the bidder has made reasonable good faith efforts to meet the MBE and WBE goal.

In addition, the Department may take into account the following:

(1) Whether the bidder's documentation reflects a clear and realistic plan for achieving the MBE and WBE goals.

(2) The bidders' past performance in meeting the MBE and WBE goals.

(3) The performance of other bidders in meeting the MBE and WBE goals. For example, when the apparent successful bidder fails to meet the goals, but others meet it, you may reasonably raise the question of whether, with additional reasonable efforts the apparent successful bidder could have met the goals. If the apparent successful bidder fails to meet the MBE and WBE goals, but meets or exceeds the average MBE and WBE participation obtained by other bidders, the Department may view this, in conjunction with other factors, as evidence of the apparent successful bidder having made a good faith effort.

If the Department does not award the contract to the apparent lowest responsive bidder, the Department reserves the right to award the contract to the next lowest responsive bidder that can satisfy to the Department that the MBE and WBE goals can be met or that an adequate good faith effort has been made to meet the MBE and WBE goals.

Non-Good Faith Appeal

The State Contractor Utilization Engineer will notify the contractor verbally and in writing of non-good faith. A contractor may appeal a determination of non-good faith made by the Goal Compliance Committee. If a contractor wishes to appeal the determination made by the Committee, they shall provide written notification to the State Contractual Services Engineer or at DBE@ncdot.gov. The appeal shall be made within 2 business days of notification of the determination of non-good faith.

Counting MBE/WBE Participation Toward Meeting MBE/WBE Goals

(A) Participation

The total dollar value of the participation by a committed MBE/WBE will be counted toward the contract goal requirements. The total dollar value of participation by a committed MBE/WBE will be based upon the value of work actually performed by the MBE/WBE and the actual payments to MBE/WBE firms by the Contractor.

(B) Joint Checks

Prior notification of joint check use shall be required when counting MBE/WBE participation for services or purchases that involves the use of a joint check. Notification shall be through submission of Form JC-1 *(Joint Check Notification Form)* and the use of joint checks shall be in accordance with the Department's Joint Check Procedures.

(C) Subcontracts (Non-Trucking)

A MBE/WBE may enter into subcontracts. Work that a MBE subcontracts to another MBE firm may be counted toward the MBE contract goal requirement. The same holds for work that a WBE subcontracts to another WBE firm. Work that a MBE subcontracts to a non-MBE firm does not count toward the MBE contract goal requirement. Again, the same holds true for the work that a WBE subcontracts to a non-WBE firm. If a MBE or WBE contractor or subcontractor subcontracts a significantly greater portion of the work of the contract than would be expected on the basis of standard industry practices, it shall be presumed that the MBE or WBE is not performing a commercially useful function. The MBE/WBE may present evidence to rebut this presumption to the Department. The Department's decision on the rebuttal of this presumption may be subject to review by the Office of Inspector General, NCDOT.

(D) Joint Venture

When a MBE or WBE performs as a participant in a joint venture, the Contractor may count toward its contract goal requirement a portion of the total value of participation with the MBE or WBE in the joint venture, that portion of the total dollar value being a distinct clearly defined portion of work that the MBE or WBE performs with its forces.

(E) Suppliers

A contractor may count toward its MBE or WBE requirement 60 percent of its expenditures for materials and supplies required to complete the contract and obtained from a MBE or WBE regular dealer and 100 percent of such expenditures from a MBE or WBE manufacturer.

(F) Manufacturers and Regular Dealers

A contractor may count toward its MBE or WBE requirement the following expenditures to MBE/WBE firms that are not manufacturers or regular dealers:

(1) The fees or commissions charged by a MBE/WBE firm for providing a *bona fide* service, such as professional, technical, consultant, or managerial services, or for providing bonds or insurance specifically required for the performance of a DOT-assisted contract, provided the fees or commissions are determined to be reasonable and not excessive as compared with fees and commissions customarily allowed for similar services.

(2) With respect to materials or supplies purchased from a MBE/WBE, which is neither a manufacturer nor a regular dealer, count the entire amount of fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site (but not the cost of the materials and supplies themselves), provided the fees are determined to be reasonable and not excessive as compared with fees customarily allowed for similar services.

Commercially Useful Function

(A) MBE/WBE Utilization

The Contractor may count toward its contract goal requirement only expenditures to MBEs and WBEs that perform a commercially useful function in the work of a contract. A MBE/WBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the MBE/WBE shall also be responsible with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material and installing (where applicable) and paying for the material itself. To determine whether a MBE/WBE is performing a commercially useful function, the Department will evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing and the MBE/WBE credit claimed for its performance of the work, and any other relevant factors.

(B) MBE/WBE Utilization in Trucking

The following factors will be used to determine if a MBE or WBE trucking firm is performing a commercially useful function.

(1) The MBE/WBE shall be responsible for the management and supervision of the entire trucking operation for which it is responsible on a particular contract, and

there shall not be a contrived arrangement for the purpose of meeting the MBE or WBE goal.

(2) The MBE/WBE shall itself own and operate at least one fully licensed, insured, and operational truck used on the contract.

(3) The MBE/WBE receives credit for the total value of the transportation services it provides on the contract using trucks it owns, insures, and operates using drivers it employs.

(4) The MBE may subcontract the work to another MBE firm, including an owner-operator who is certified as a MBE. The same holds true that a WBE may subcontract the work to another WBE firm, including an owner-operator who is certified as a WBE. When this occurs, the MBE or WBE who subcontracts work receives credit for the total value of the transportation services the subcontracted MBE or WBE provides on the contract. It should be noted that every effort shall be made by MBE and WBE contractors to subcontract to the same certification (i.e., MBEs to MBEs and WBEs to WBEs), in order to fulfill the goal requirement. This, however, may not always be possible due to the limitation of firms in the area. If the MBE or WBE firm shows a good faith effort has been made to reach out to similarly certified transportation service providers and there is no interest or availability, and they can get assistance from other certified providers, the Engineer will not hold the prime liable for meeting the goal.

(5) The MBE/WBE may also subcontract the work to a non-MBE/WBE firm, including from an owner-operator. The MBE/WBE who subcontracts the work to a non-MBE/WBE is entitled to credit for the total value of transportation services provided by the non-MBE/WBE subcontractor not to exceed the value of transportation services provided by MBE/WBE-owned trucks on the contract. Additional participation by non-MBE/WBE subcontractors receives credit only for the fee or commission it receives as a result of the subcontract arrangement. The value of services performed under subcontract agreements between the MBE/WBE and the Contractor will not count towards the MBE/WBE contract requirement.

(6) A MBE/WBE may lease truck(s) from an established equipment leasing business open to the general public. The lease must indicate that the MBE/WBE has exclusive use of and control over the truck. This requirement does not preclude the leased truck from working for others during the term of the lease with the consent of the MBE/WBE, so long as the lease gives the MBE/WBE absolute priority for use of the leased truck. This type of lease may count toward the MBE/WBE's credit as long as the driver is under the MBE/WBE's payroll.

(7) Subcontracted/leased trucks shall display clearly on the dashboard the name of the MBE/WBE that they are subcontracted/leased to and their own company name if it is not identified on the truck itself. Magnetic door signs are not permitted.

Banking MBE/WBE Credit

If the bid of the lowest responsive bidder exceeds $500,000 and if the committed MBE/WBE participation submitted by Letter of Intent exceeds the algebraic sum of the MBE or WBE goal by $1,000 or more, the excess will be placed on deposit by the Department for future use by the bidder. Separate accounts will be maintained for MBE and WBE participation and these may accumulate for a period not to exceed 24 months.

When the apparent lowest responsive bidder fails to submit sufficient participation by MBE firms to meet the contract goal, as part of the good faith effort, the Department will consider allowing the bidder to withdraw funds to meet the MBE goal as long as there are adequate funds available from the bidder's MBE bank account.

When the apparent lowest responsive bidder fails to submit sufficient participation by WBE firms to meet the contract goal, as part of the good faith effort, the Department will consider allowing the bidder to withdraw funds to meet the WBE goal as long as there are adequate funds available from the bidder's WBE bank account.

MBE/WBE Replacement

When a Contractor has relied on a commitment to a MBE or WBE firm (or an approved substitute MBE or WBE firm) to meet all or part of a contract goal requirement, the contractor shall not terminate the MBE/WBE for convenience. This includes, but is not limited to, instances in which the Contractor seeks to perform the work of the terminated subcontractor with another MBE/WBE subcontractor, a non-MBE/WBE subcontractor, or with the Contractor's own forces or those of an affiliate. A MBE/WBE may only be terminated after receiving the Engineer's written approval based upon a finding of good cause for the termination.

All requests for replacement of a committed MBE/WBE firm shall be submitted to the Engineer for approval on Form RF-1 *(Replacement Request)*. If the Contractor fails to follow this procedure, the Contractor may be disqualified from further bidding for a period of up to 6 months.

The Contractor shall comply with the following for replacement of a committed MBE/WBE:

(A) Performance Related Replacement

When a committed MBE is terminated for good cause as stated above, an additional MBE that was submitted at the time of bid may be used to fulfill the MBE commitment. The same holds true if a committed WBE is terminated for good cause, an additional WBE that was submitted at the time of bid may be used to fulfill the WBE goal. A good faith effort will only be required for removing a committed MBE/WBE if there were no

additional MBEs/WBEs submitted at the time of bid to cover the same amount of work as the MBE/WBE that was terminated.

If a replacement MBE/WBE is not found that can perform at least the same amount of work as the terminated MBE/WBE, the Contractor shall submit a good faith effort documenting the steps taken. Such documentation shall include, but not be limited to, the following:

(1) Copies of written notification to MBEs/WBEs that their interest is solicited in contracting the work defaulted by the previous MBE/WBE or in subcontracting other items of work in the contract.

(2) Efforts to negotiate with MBEs/WBEs for specific subbids including, at a minimum:

(a) The names, addresses, and telephone numbers of MBEs/WBEs who were contacted.

(b) A description of the information provided to MBEs/WBEs regarding the plans and specifications for portions of the work to be performed.

(3) A list of reasons why MBE/WBE quotes were not accepted.

(4) Efforts made to assist the MBEs/WBEs contacted, if needed, in obtaining bonding or insurance required by the Contractor.

(B) Decertification Replacement

(1) When a committed MBE/WBE is decertified by the Department after the SAF (*Subcontract Approval Form*) has been received by the Department, the Department will not require the Contractor to solicit replacement MBE/WBE participation equal to the remaining work to be performed by the decertified firm. The participation equal to the remaining work performed by the decertified firm will count toward the contract goal requirement.

(2) When a committed MBE/WBE is decertified prior to the Department receiving the SAF (*Subcontract Approval Form*) for the named MBE/WBE firm, the Contractor shall take all necessary and reasonable steps to replace the MBE/WBE subcontractor with another similarly certified MBE/WBE subcontractor to perform at least the same amount of work to meet the MBE/WBE goal requirement. If a MBE/WBE firm is not found to do the same amount of work, a good faith effort must be submitted to NCDOT (see A herein for required documentation).

Changes in the Work

When the Engineer makes changes that result in the reduction or elimination of work to be performed by a committed MBE/WBE, the Contractor will not be required to seek additional participation. When the Engineer makes changes that result in additional work to be performed by a MBE/WBE based upon the Contractor's commitment, the MBE/WBE shall participate in additional work to the same extent as the MBE/WBE participated in the original contract work.

When the Engineer makes changes that result in extra work, which has more than a minimal impact on the contract amount, the Contractor shall seek additional participation by MBEs/WBEs unless otherwise approved by the Engineer.

When the Engineer makes changes that result in an alteration of plans or details of construction, and a portion or all of the work had been expected to be performed by a committed MBE/WBE, the Contractor shall seek participation by MBEs/WBEs unless otherwise approved by the Engineer.

When the Contractor requests changes in the work that result in the reduction or elimination of work that the Contractor committed to be performed by a MBE/WBE, the Contractor shall seek additional participation by MBEs/WBEs equal to the reduced MBE/WBE participation caused by the changes.

Reports and Documentation

A SAF (*Subcontract Approval Form*) shall be submitted for all work which is to be performed by a MBE/WBE subcontractor. The Department reserves the right to require copies of actual subcontract agreements involving MBE/WBE subcontractors.

When using transportation services to meet the contract commitment, the Contractor shall submit a proposed trucking plan in addition to the SAF. The plan shall be submitted prior to beginning construction on the project. The plan shall include the names of all trucking firms proposed for use, their certification type(s), the number of trucks owned by the firm, as well as the individual truck identification numbers, and the line item(s) being performed.

Within 30 calendar days of entering into an agreement with a MBE/WBE for materials, supplies or services, not otherwise documented by the SAF as specified above, the Contractor shall furnish the Engineer a copy of the agreement. The documentation shall also indicate the percentage (60% or 100%) of expenditures claimed for MBE/WBE credit.

Reporting Minority and Women Business Enterprise Participation

The Contractor shall provide the Engineer with an accounting of payments made to all MBE and WBE firms, including material suppliers and contractors at all levels (prime, subcontractor, or second tier subcontractor). This accounting shall be furnished to the Engineer for any given month by the end of the following month. Failure to submit this information accordingly may result in the following action:

(A) Withholding of money due in the next partial pay estimate; or

(B) Removal of an approved contractor from the prequalified bidders' list or the removal of other entities from the approved subcontractors list.

While each contractor (prime, subcontractor, 2nd tier subcontractor) is responsible for accurate accounting of payments to MBEs/WBEs, it shall be the prime contractor's responsibility to report all monthly and final payment information in the correct reporting manner.

Failure on the part of the Contractor to submit the required information in the time frame specified may result in the disqualification of that contractor and any affiliate companies from further bidding until the required information is submitted.

Failure on the part of any subcontractor to submit the required information in the time frame specified may result in the disqualification of that contractor and any affiliate companies from being approved for work on future DOT projects until the required information is submitted.

Contractors reporting transportation services provided by non-MBE/WBE lessees shall evaluate the value of services provided during the month of the reporting period only.

At any time, the Engineer can request written verification of subcontractor payments.

(A) Electronic Bids Reporting

The Contractor shall report the accounting of payments through the Department's Payment Tracking System.

(B) Paper Bids Reporting

The Contractor shall report the accounting of payments on the Department's DBE-IS *(Subcontractor Payment Information)* with each invoice. Invoices will not be processed for payment until the DBE-IS is received.

Failure to Meet Contract Requirements

Failure to meet contract requirements in accordance with Subarticle 102-16(J) of the *2006 Standard Specifications* may be cause to disqualify the Contractor from further bidding for a specified length of time.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

May 24, 2011

Notice To: All Prequalified Contractors

From: R.A. Garris, P.E.
State Contract Officer

Subject: Directory of Transportation Firms

The NCDOT has updated its Transportation Directory to include additional items such as the SBE work codes, engineering disciplines, queries based on the physical address, and other reporting options. With the update, a new web address was created for the Directory The old Directory address is still working, but we encourage the use of the new Directory for your outreach efforts. The new Directory address is https://partner.ncdot.gov/VendorDirectory/default.html.

If you have any problems or have questions regarding the Directory please contact Mr. Mickey Biedell at 919-733-7174.

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.ORG

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

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 FEBRUARY 21, 2012. 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
http://www.ncdot.gov/doh/preconstruct/ps/contracts/letting.html.

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 JANUARY 24, 2012.
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.

DIV NO.	DIVISION ENGINEER	LOCATION	TOWN	TELEPHONE
00001	Jerry Jennings, PE	113 AIRPORT DRIVE, SUITE 100	EDENTON	(252) 482-7977
00002	C. E. Lassiter, Jr., PE	PO BOX 1587	GREENVILLE	(252) 830-3490
00003	H. Allen Pope, PE	5501 BARBADOS BLVD	CASTLE HAYNE	(910) 341-2000
00004	John W Rouse, PE	PO BOX 3165	WILSON	(252) 237-6164
00005	J. Wally Bowman, 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) 334-3192
00008	Tim Johnson, PE	PO BOX 1067	ABERDEEN	(910) 944-2344
00009	S. Pat Ivey, PE	375 SILAS CREEK PARKWAY	WINSTON-SALEM	(336) 703-6500
00010	Barry S Moose, PE	716 WEST MAIN STREET	ALBEMARLE	(704) 983-4400
00011	Michael A Pettyjohn, PE	PO BOX 250	NORTH WILKESBORO	(336) 667-9111
00012	Michael L Holder, PE	PO BOX 47	SHELBY	(704) 480-5400
00013	Jay J Swain, PE	PO BOX 3279	ASHEVILE	(828) 251-6171
00014	Joel B Setzer, PE	253 WEBSTER ROAD	SYLVA	(828) 586-2141

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

Bid Letting Number L120221

RPN	Contract Id	WBS	County	Length	JobType
*001	C200800	34418.3.5 ETC.	GUILFORD, ROCKINGHAM	13.231 MI	WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS, & STRUCTURES.
002	C202915	17BP.1.P.3	BERTIE, MARTIN	0.000 MI	BRIDGE PRESERVATION
003	C202937	1C.015126 ETC.	CAMDEN, CURRITUCK	23.060 MI	WIDENING, MILLING, RESURFACING, AND SHOULDER RECONST.
004	C202932	1C.028036 ETC.	DARE	11.418 MI	RESURFACING, AND SHOULDER RECONSTRUCTION.
005	C202929	1C.037048 ETC.	GATES	22.362 MI	WIDENING, MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
006	C202938	1C.070039 ETC.	PASQUOTANK	9.653 MI	RESURFACING AND SHOULDER RECONSTRUCTION.
007	C202939	1C.072062 ETC.	PERQUIMANS	10.590 MI	RESURFACING AND SHOULDER RECONSTRUCTION.
008	C202934	2CR.10161.11	CARTERET	9.570 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
009	C202930	2CR.10521.4	JONES	9.753 MI	MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
010	C202935	2CR.10541.12	LENOIR	1.500 MI	MILLING, AND RESURFACING.
011	C202783	33310.3.1	JOHNSTON	0.209 MI	GRADING, DRAINAGE, PAVING, SIGNALS AND STRUCTURE.
012	C202780	38450.3.1	SCOTLAND	0.227 MI	GRADING, DRAINAG, PAVING, AND STRUCTURE.
013	C202773	33048.3.1	CABARRUS	0.266 MI	GRADING, DRAINAGE, PAVING, SIGNAL AND STRUCTURE.
014	C202774	33416.3.1	CABARRUS	0.208 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
015	C202777	33548.2.1	MECKLENBURG	0.180 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
016	C202936	10CR.10041.39 ET	ANSON	18.020 MI	WIDENING, MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.
017	C202967	10CR.10841.35 ET	STANLY	12.360 MI	WIDENING, MILLING, RESURFACING & SHOULDER RECONSTRUCTION.
018	C202650	36271.3.1	WATAUGA	0.076 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
019	C202775	33425.3.1	CATAWBA	0.112 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
020	C202779	33766.3.1	IREDELL	0.118 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
021	C202025	37734.3.1	LINCOLN	0.924 MI	GRADING, DRAINAGE, CURB & GUTTER AND PAVING.
022	C202807	45438.3.23	GASTON	0.000 MI	BRIDGE PRESERVATION.
023	C202912	17BP.13.P.1	BUNCOMBE	0.000 MI	BRIDGE PERSERVATION.
024	C202781	17BP.13.R.106	YANCEY	0.083 MI	GRADING, DRAINAGE, PAVING, AND STRUCTURE.
025	C202917	47066.3.2	MITCHELL	0.000 MI	BRIDGE PRESERVATION.
026	C202931	14CR.10451.5 ETC	HENDERSON	15.460 MI	MILLING, RESURFACING, ULTRATHIN, & SHOULDER RECONSTRUCTION.

* NOTE: PLANS FOR RPN 1 ARE PRICED AS FOLLOWS:
SMALL PLANS $60
LARGE PLANS $200

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 001

CONTRACT ID : C200800 34418.3.5 DIV OFFICE GREENSBORO LENGTH = 13.231 MI

COUNTY : GUILFORD, ROCKINGHAM

WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS, & STRUCTURES.

DBE GOAL 13.0% COMPLETION DATE : DEC 27 2016

US-220 FROM SR-2182 (HORSEPEN CREEK RD) TO EXISTING NC-68 & US-220 INTERSECTION.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	CLEARING & GRUBBING .. ACRE(S)
7	ACR	SUPPLEMENTARY CLEARING & GRUBBING
9	EA	SEALING ABANDONED WELLS
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (10+65.063 -Y10-)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (11+43.200 US 220 SB RAMP)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (114+28.00-L-NB)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (114+28.00-L-SB)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (134+30.00-L-NB)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (134+30.00-L-SB)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (16+24.670 US 220 SB RAMP)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (24+37.000 -L REV- NBL)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (24+37.000 -L REV- SBL)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (45+30.610 -L REV- NBL)
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (45+30.610 -L REV- SBL)
33,860	CY	UNDERCUT EXCAVATION
8,300	CY	SHALLOW UNDERCUT
16,550	TON	CLASS IV SUBGRADE STABILIZATION
18,200	CY	DRAINAGE DITCH EXCAVATION
4,255	LF	BERM DITCH CONSTRUCTION
104,515	SY	REMOVAL OF EXISTING ASPHALT PAVEMENT
40,940	SY	BREAKING OF EXISTING ASPHALT PAVEMENT
120	HR	PROOF ROLLING
29,320	CY	SELECT GRANULAR MATERIAL
68,920	SY	FABRIC FOR SOIL STABILIZATION
18,509	SF	TEMPORARY SHORING
24,020	TON	ROCK EMBANKMENTS
5,400	SY	ROCK PLATING
100	CY	GENERIC GRADING ITEM EXCAVATION AND STOCKPILING CONTAMINATED SOIL
1,675	SY	GENERIC GRADING ITEM FABRIC FOR EMBANKMENT STABILIZATION
11,650	SY	GENERIC GRADING ITEM FILTER FABRIC FOR ROCK EMBANKMENT
Lump Sum	LS	GENERIC GRADING ITEM SUBGRADE IMPROVEMENT FIELD TEST
6,140	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRS
19,210	SY	FOUNDATION CONDITIONING FABRIC
3,100	LF	**" SIDE DRAIN PIPE (30")
180	LF	**" SIDE DRAIN PIPE (36")
11,576	LF	15" SIDE DRAIN PIPE
6,924	LF	18" SIDE DRAIN PIPE
4,088	LF	24" SIDE DRAIN PIPE
35	EA	**" SIDE DRAIN PIPE ELBOWS (15")
22	EA	**" SIDE DRAIN PIPE ELBOWS (18")
10	EA	**" SIDE DRAIN PIPE ELBOWS (24")
2	EA	**" SIDE DRAIN PIPE ELBOWS (36")
16	LF	12" RC PIPE CULVERTS, CLASS III
4,264	LF	15" RC PIPE CULVERTS, CLASS III
5,000	LF	18" RC PIPE CULVERTS, CLASS III
2,748	LF	24" RC PIPE CULVERTS, CLASS III
1,424	LF	30" RC PIPE CULVERTS, CLASS III
668	LF	36" RC PIPE CULVERTS, CLASS III
368	LF	42" RC PIPE CULVERTS, CLASS III
292	LF	48" RC PIPE CULVERTS, CLASS III
1,052	LF	54" RC PIPE CULVERTS, CLASS III
240	LF	66" RC PIPE CULVERTS, CLASS III
112	LF	****" RC PIPE CULVERTS, CLASS IV (48")
8,420	LF	15" RC PIPE CULVERTS, CLASS IV
1,196	LF	18" RC PIPE CULVERTS, CLASS IV
804	LF	24" RC PIPE CULVERTS, CLASS IV
452	LF	30" RC PIPE CULVERTS, CLASS IV
344	LF	36" RC PIPE CULVERTS, CLASS IV
380	LF	42" RC PIPE CULVERTS, CLASS IV
2	EA	**" PIPE END SECTION (15")
176	LF	**" CAA PIPE CULVERTS, *****" THICK (18", 0.064")
136	LF	**" CAA PIPE CULVERTS, *****" THICK (72", 0.168")
120	LF	**" CS PIPE CULVERTS, *****" THICK (36", 0.079")
32	LF	**" CS PIPE CULVERTS, *****" THICK (48", 0.109")
160	LF	**" CS PIPE CULVERTS, *****" THICK (72", 0.168")
1,852	LF	15" CS PIPE CULVERTS, 0.064" THICK
160	LF	18" CS PIPE CULVERTS, 0.064" THICK
240	LF	30" CS PIPE CULVERTS, 0.079" THICK
31	EA	**" CS PIPE ELBOWS, *****" THICK (15", 0.064")
7	EA	**" CS PIPE ELBOWS, *****" THICK (18", 0.064")
4	EA	**" CS PIPE ELBOWS, *****" THICK (30", 0.079")
2	EA	**" CS PIPE ELBOWS, *****" THICK (36", 0.079")
96	LF	**" WELDED STEEL PIPE, ****" THICK, GRADE ** IN SOIL (18", 0.5", B)
260	LF	**" WELDED STEEL PIPE, ****" THICK, GRADE ** IN SOIL (24", 0.5", B)
340	LF	**" WELDED STEEL PIPE, ****" THICK, GRADE ** IN SOIL (36", 0.5", B)

172	LF	**" WELDED STEEL PIPE, ****" THICK, GRADE ** IN SOIL (42", 0.625", B)
108	LF	**" WELDED STEEL PIPE, ****" THICK, GRADE ** IN SOIL (54", 0.75", B)
50	LF	**" WELDED STEEL PIPE, ****" THICK, GRADE ** NOT IN SOIL (42", 0.625", B)
88	LF	GENERIC PIPE ITEM 15" CS SLOTTED DRAIN, 0.064" THICK
1	EA	GENERIC PIPE ITEM 15" FLAP GATE
11,545	LF	PIPE REMOVAL
12	EA	PIPE CLEAN-OUT
510	SY	6" SLOPE PROTECTION
Lump Sum	LS	FINE GRADING
10,050	TON	#57 STONE
500	TON	STABILIZER AGGREGATE
46,700	TON	AGGREGATE BASE COURSE
6,310	TON	INCIDENTAL STONE BASE
15,000	GAL	PRIME COAT
11,080	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
7,280	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
25,690	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
640	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
390	EA	RIGHT OF WAY MARKERS
4,915	CY	SUBDRAIN EXCAVATION
2,460	CY	SUBDRAIN FINE AGGREGATE
14,830	LF	6" PERFORATED SUBDRAIN PIPE
31	EA	SUBDRAIN PIPE OUTLETS
204	LF	6" OUTLET PIPE (SUBDRAINS)
55	TON	BLOTTING SAND
83.8	CY	ENDWALLS
42.5	CY	REINFORCED ENDWALLS
41.67	CY	PIPE COLLARS
8.14	CY	PIPE PLUGS
686	CY	FLOWABLE FILL
475	EA	MASONRY DRAINAGE STRUCTURES
52.18	CY	MASONRY DRAINAGE STRUCTURES
197.2	LF	MASONRY DRAINAGE STRUCTURES
14	EA	FRAME WITH GRATE, STD 840.22
51	EA	FRAME WITH TWO GRATES, STD 840.16
29	EA	FRAME WITH TWO GRATES, STD 840.20
206	EA	FRAME WITH TWO GRATES, STD 840.22
18	EA	FRAME WITH TWO GRATES, STD 840.24
75	EA	FRAME WITH TWO GRATES, STD 840.29
7	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
32	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
33	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
31	EA	FRAME WITH COVER, STD 840.54
5	EA	CONCRETE TRANSITIONAL SECTION FOR CATCH BASIN
51	EA	CONCRETE TRANSITIONAL SECTION FOR DROP INLETS
2	EA	**" SLUICE GATE (25")
3	EA	**" SLUICE GATE (38-3/4")
5	EA	GENERIC DRAINAGE ITEM TEMPORARY CONCRETE LIDS
2,280	LF	**"X **" CONCRETE CURB (8" X 18")
21,740	LF	1'-6" CONCRETE CURB & GUTTER
14,060	LF	2'-6" CONCRETE CURB & GUTTER
14,100	LF	SHOULDER BERM GUTTER
2,040	LF	CONCRETE EXPRESSWAY GUTTER
370	LF	CONCRETE VALLEY GUTTER
6,860	SY	4" CONCRETE SIDEWALK
840	SY	6" CONCRETE DRIVEWAY
250	SY	4" CONCRETE PAVED DITCH
85	SY	4" CONCRETE ISLAND COVERS
20,890	SY	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)
5,159	LF	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED
44	EA	GENERIC PAVING ITEM CONCRETE CURB RAMPS
3	EA	ADJUSTMENT OF CATCH BASINS
4	EA	ADJUSTMENT OF MANHOLES
11	EA	IMPACT ATTENUATOR UNIT, TYPE 350
34,962.5	LF	STEEL BM GUARDRAIL
862.5	LF	STEEL BM GUARDRAIL, SHOP CURVED
16	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
20	EA	ADDITIONAL GUARDRAIL POSTS
11	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
30	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
8	EA	GUARDRAIL ANCHOR UNITS, TYPE III
89	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
8	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
49	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
6,366	LF	REMOVE EXISTING GUARDRAIL
3,750	LF	TEMPORARY STEEL BM GUARDRAIL
1	EA	GUARDRAIL ANCHOR UNITS, TYPE ********** TEMPORARY (W-BEAM)
6	EA	GUARDRAIL ANCHOR UNITS, TYPE 350 TEMPORARY
21,400	LF	DOUBLE FACED CABLE GUIDERAIL
10	EA	ADDITIONAL GUIDERAIL POSTS
131	EA	CABLE GUIDERAIL ANCHOR UNITS
95,220	LF	WOVEN WIRE FENCE, 47" FABRIC
5,800	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
1,870	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
1,310	LF	CHAIN LINK FENCE, 48" FABRIC
112	EA	METAL LINE POSTS FOR 48" CHAIN LINK FENCE
10	EA	METAL TERMINAL POSTS FOR 48" CHAIN LINK FENCE
6	EA	METAL GATE POSTS FOR **" CHAIN LINK FENCE, SINGLE GATE (48")
6	EA	SINGLE GATES, **" HIGH, **' WIDE, **' OPENING (48", 16', 16')
115	LF	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL
2,530	TON	RIP RAP, CLASS I
110	TON	RIP RAP, CLASS II
5,690	TON	RIP RAP, CLASS B
43,320	SY	FILTER FABRIC FOR DRAINAGE
4	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
1	EA	GENERIC EROSION CONTROL ITEM RIP RAP ENERGY DISSIPATOR
8	CY	REINFORCED CONCRETE SIGN FOUNDATIONS
2	CY	PLAIN CONCRETE SIGN FOUNDATIONS
84	CY	OVERHEAD FOOTING
5,793	LB	SUPPORTS, BREAKAWAY STEEL BEAM
2,440	LB	SUPPORTS, SIMPLE STEEL BEAM
6,928	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ****** (26+40 -L REV-)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ****** (27+40 -L REV-)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ****** (33+60 -L REV-)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ****** (35+40 -L REV-)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ****** (41+60 -L REV-)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ****** (50+00 -L REV-)
Lump Sum	LS	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ****** (75+00 -L REV-)
26	EA	SIGN ERECTION, TYPE D
412	EA	SIGN ERECTION, TYPE E
90	EA	SIGN ERECTION, TYPE F

10	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)
3	EA	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)
23	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (D)
4	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
2	EA	DISPOSAL OF SIGN SYSTEM, STEEL BEAM
307	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
3	EA	DISPOSAL OF SIGN SYSTEM, WOOD
27	EA	DISPOSAL OF SUPPORT, U-CHANNEL
793	SF	WORK ZONE SIGNS (STATIONARY)
1,124	SF	WORK ZONE SIGNS (PORTABLE)
2,705	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2	EA	FLASHING ARROW PANELS, TYPE C
1,680	DAY	CHANGEABLE MESSAGE SIGN (SHORT TERM)
1,010	EA	DRUMS
200	EA	CONES
2,940	LF	BARRICADES (TYPE III)
2,880	MD	FLAGGER
20	EA	TEMPORARY CRASH CUSHIONS
6	EA	RESET TEMPORARY CRASH CUSHIONS
4	EA	TMIA
6,140	LF	PORTABLE CONCRETE BARRIER
1,960	LF	PORTABLE CONCRETE BARRIER (DRAINAGE)
1,040	LF	RESET PORTABLE CONCRETE BARRIER
360	LF	RESET PORTABLE CONCRETE BARRIER (DRAINAGE)
2,665	EA	TEMPORARY RAISED PAVEMENT MARKERS
9,689	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
1,976	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
3,922	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
70	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
432	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
5,560	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
1,070,768	LF	PAINT PAVEMENT MARKING LINES (4")
11,368	LF	PAINT PAVEMENT MARKING LINES (8")
6,480	LF	PAINT PAVEMENT MARKING LINES (24")
4	EA	PAINT PAVEMENT MARKING CHARACTER
370	EA	PAINT PAVEMENT MARKING SYMBOL
28,000	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
28	EA	PERMANENT RAISED PAVEMENT MARKERS
3,953	EA	SNOWPLOWABLE PAVEMENT MARKERS
142	EA	FLEXIBLE DELINEATORS (CRYSTAL)
48	EA	FLEXIBLE DELINEATORS (YELLOW)
20	EA	FLEXIBLE DELINEATORS (CRYSTAL & RED)
20	EA	FLEXIBLE DELINEATORS (YELLOW & RED)
Lump Sum	LS	PORTABLE LIGHTING
214	LF	6" WATER LINE
361	LF	8" WATER LINE
99	LF	12" WATER LINE
2	EA	8" VALVE
2	EA	2" BLOW OFF
1	EA	RELOCATE WATER METER
2	EA	FIRE HYDRANT
10	EA	RELOCATE FIRE HYDRANT
8	EA	GENERIC UTILITY ITEM ADJUSTMENT OF SEWER MANHOLES
120	LF	ABANDON 12" UTILITY PIPE
6	EA	GENERIC UTILITY ITEM ADJUSTMENT OF VALVE BOX
1	EA	GENERIC UTILITY ITEM TEMPORARY SEWER LINE SUPPORT
1	EA	GENERIC UTILITY ITEM TEMPORARY WATER LINE SUPPORT
82,800	LF	TEMPORARY SILT FENCE
32,450	TON	STONE FOR EROSION CONTROL, CLASS A
20,825	TON	STONE FOR EROSION CONTROL, CLASS B
20,650	TON	SEDIMENT CONTROL STONE
380	ACR	TEMPORARY MULCHING
11,900	LB	SEED FOR TEMPORARY SEEDING
52	TON	FERTILIZER FOR TEMPORARY SEEDING
36,875	LF	TEMPORARY SLOPE DRAINS
260	EA	INLET PROTECTION AT TEMPORARY SLOPE DRAINS
3,000	LF	SAFETY FENCE
141,300	CY	SILT EXCAVATION
352,200	SY	MATTING FOR EROSION CONTROL
17,970	SY	COIR FIBER MAT
21,675	SY	PERMANENT SOIL REINFORCEMENT MAT
29,500	LF	1/4" HARDWARE CLOTH
170	LF	**" TEMPORARY PIPE (72")
7,800	SY	FLOATING TURBIDITY CURTAIN
1,130	CY	STILLING BASINS
40	EA	SPECIAL STILLING BASINS
15,320	LF	COIR FIBER WATTLE
16,700	LB	POLYACRYLAMIDE (PAM)
38,750	LF	COIR FIBER BAFFLE
60	EA	**" SKIMMER (1-1/2")
8	EA	**" SKIMMER (2")
5	EA	**" SKIMMER (2-1/2")
4	EA	**" SKIMMER (3")
315	ACR	SEEDING & MULCHING
380	ACR	MOWING
7,520	LB	SEED FOR REPAIR SEEDING
16	TON	FERTILIZER FOR REPAIR SEEDING
7,530	LB	SEED FOR SUPPLEMENTAL SEEDING
225	TON	FERTILIZER TOPDRESSING
1,300	LF	IMPERVIOUS DIKE
500	MHR	SPECIALIZED HAND MOWING
300	EA	RESPONSE FOR EROSION CONTROL
450	CY	CULVERT DIVERSION CHANNEL
40	ACR	REFORESTATION
32	EA	PEDESTRIAN SIGNAL HEAD (**", ** SECTION) (16", 1 SECTION W/ COUNTDOWN)
30,330	LF	SIGNAL CABLE
187	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
13	EA	VEHICLE SIGNAL HEAD (12", 4 SECTION)
13	EA	VEHICLE SIGNAL HEAD (12", 5 SECTION)
6,596	LF	MESSENGER CABLE (1/4")
12,270	LF	MESSENGER CABLE (3/8")
23,685	LF	TRACER WIRE
13,810	LF	UNPAVED TRENCHING (**********) (1, 2")
22,578	LF	UNPAVED TRENCHING (**********) (2, 2")
510	LF	DIRECTIONAL DRILL (**********) (1, 2")
1,067	LF	DIRECTIONAL DRILL (**********) (2, 2")
53	EA	JUNCTION BOX (STANDARD SIZE)
45	EA	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)
61	EA	WOOD POLE
143	EA	GUY ASSEMBLY
2	EA	***" RISER WITH ********** (1-1/4", WEATHERHEAD)
4	EA	1/2" RISER WITH WEATHERHEAD
13	EA	1" RISER WITH WEATHERHEAD
56	EA	2" RISER WITH WEATHERHEAD
4	EA	2" RISER WITH HEAT SHRINK TUBING
35,850	LF	INDUCTIVE LOOP SAWCUT
85,650	LF	LEAD-IN CABLE (**********) (14-2)
7,000	LF	COMMUNICATIONS CABLE (**FIBER) (24)
24,816	LF	COMMUNICATIONS CABLE (**FIBER) (72)
2,621	LF	DROP CABLE
6	EA	SPLICE ENCLOSURE
6	EA	INTERCONNECT CENTER
29	EA	DELINEATOR MARKER

2	EA	900MHZ WIRELESS RADIO SYSTEM
6,000	LF	REMOVE EXISTING COMMUNICATIONS CABLE
36	EA	METAL STRAIN SIGNAL POLE
36	EA	SOIL TEST
306	CY	DRILLED PIER FOUNDATION
7	EA	SIGNAL PEDESTAL WITH FOUNDATION
39	EA	SIGN FOR SIGNALS
9	EA	SIGNAL CABINET FOUNDATION
9	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
7	EA	CONTROLLER WITH CABINET (TYPE 2070L, POLE MOUNTED)
92	EA	DETECTOR CARD (TYPE 2070L)
9	EA	CABINET BASE EXTENDER
2	EA	BEACON CONTROLLER ASSEMBLY & CABINET (********) (F3)
7	EA	TRAFFIC SIGNAL REMOVAL
5	EA	GENERIC SIGNAL ITEM 30' WOOD POLE
28	EA	GENERIC SIGNAL ITEM 5/8" X 10' GROUNDING ELECTRODE
4	EA	GENERIC SIGNAL ITEM 60' WOOD POLE
2	EA	GENERIC SIGNAL ITEM 900 MHZ WIRELESS ETHERNET RADIO
4	EA	GENERIC SIGNAL ITEM CCTV ASSEMBLY
1	EA	GENERIC SIGNAL ITEM CENTRAL ETHERNET SWITCH
4	EA	GENERIC SIGNAL ITEM DIGITAL VIDEO DECODER
4	EA	GENERIC SIGNAL ITEM DIGITAL VIDEO ENCODER
4	EA	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT
4	EA	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET
4	EA	GENERIC SIGNAL ITEM FIELD ETHERNET SWITCH
3	EA	GENERIC SIGNAL ITEM FUNISH WIRELESS LIGHTNING ARRESTOR
2	EA	GENERIC SIGNAL ITEM FURNISH WIRELESS RADIO MODEM
4	EA	GENERIC SIGNAL ITEM LOCAL TRAFFIC SIGNAL SOFTWARE
4	EA	GENERIC SIGNAL ITEM METER BASE/DISCONNECT COMBINATION PANEL
2	EA	GENERIC SIGNAL ITEM MODIFY SPLICE ENCLOSURE
3	EA	GENERIC SIGNAL ITEM RELOCATE SOLAR POWERED FLASHER BEACON
4	EA	GENERIC SIGNAL ITEM RELOCATE SOLAR POWERED SCHOOL FLASHER
6	EA	GENERIC SIGNAL ITEM SOLAR POWERED FLASHER BEACON
2	EA	GENERIC SIGNAL ITEM SOLAR POWERED, 900 MHZ WIRELESS ETHERNET REPEATER RADIO
280	LF	GENERIC SIGNAL ITEM #4 SOLID BARE COPPER GROUNDING CONDUCTOR
358	LF	GENERIC SIGNAL ITEM 3-WIRE #12 COPPER FEEDER CONDUCTORS
66	LF	GENERIC SIGNAL ITEM 3-WIRE #3 COPPER SERVICE ENTRANCE CONDUCTORS

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

1,656,635	CY	UNCLASSIFIED EXCAVATION
659,050	CY	BORROW EXCAVATION
136,010	SY	LIME TREATED SOIL (SLURRY METHOD)
1,380	TON	LIME FOR LIME TREATED SOIL
130,100	TON	AGGREGATE FOR CEMENT TREATED BASE COURSE
5,210	TON	PORTLAND CEMENT FOR CEMENT TREATED BASE COURSE
229,960	SY	SOIL CEMENT BASE
6,360	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
2,540	TON	AGGREGATE FOR SOIL CEMENT BASE
96,620	GAL	ASPHALT CURING SEAL
185,400	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
116,680	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
102,500	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
22,230	TON	ASPHALT BINDER FOR PLANT MIX
96,810	LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
10,360	LF	SHOULDER DRAIN
10,360	LF	4" SHOULDER DRAIN PIPE
670	LF	4" OUTLET PIPE FOR SHOULDER DRAINS
15	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET
174,271	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
103,293	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
76,731	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
12,228	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
6,519	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)
1,112	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
1,965	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)
3,077	LF	CURING COMPOUND REMOVAL, LINES
5	EA	CURING COMPOUND REMOVAL, SYMBOLS & CHARACTERS

*** OR ***

1,537,084	CY	UNCLASSIFIED EXCAVATION
717,390	CY	BORROW EXCAVATION
118,310	SY	LIME TREATED SOIL (SLURRY METHOD)
1,200	TON	LIME FOR LIME TREATED SOIL
19,000	TON	AGGREGATE FOR CEMENT TREATED BASE COURSE
760	TON	PORTLAND CEMENT FOR CEMENT TREATED BASE COURSE
188,680	SY	SOIL CEMENT BASE
5,220	TON	PORTLAND CEMENT FOR SOIL CEMENT BASE
2,030	TON	AGGREGATE FOR SOIL CEMENT BASE
83,520	GAL	ASPHALT CURING SEAL
133,200	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
74,860	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
62,650	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
9,120	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
16,630	TON	ASPHALT BINDER FOR PLANT MIX
16,690	TON	PERMEABLE ASPHALT DRAINAGE COURSE, TYPE P-57
6,770	LF	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)
182,150	SY	*****" PORT CEM CONC PAVEMENT, THROUGH LANES (WITH DOWELS) (11-1/2")
52,160	SY	*****" PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (11-1/2")
62,020	SY	*****" PORT CEM CONC PAVEMENT, MISCELLANEOUS (WITHOUT DOWELS) (8-1/2")
90,050	LF	GENERIC PAVING ITEM MILLED RUMBLE STRIPS (CONCRETE SHOULDER)
Lump Sum	LS	SURFACE TESTING CONCRETE PAVEMENT
Lump Sum	LS	FIELD LABORATORY RENTAL, PORT CEM CONC PAVEMENT
47,610	LF	SHOULDER DRAIN
47,610	LF	4" SHOULDER DRAIN PIPE
2,540	LF	4" OUTLET PIPE FOR SHOULDER DRAINS
50	EA	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET
160,029	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
101,453	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1,391	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)
390	LF	THERMOPLASTIC PAVEMENT MARKING LINES (6", 120 MILS)
945	LF	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)

17,182	LF	POLYUREA PAVEMENT MARKING LINES (4", **********) (HIGHLY REFLECTIVE ELEMENTS)
87,725	LF	POLYUREA PAVEMENT MARKING LINES (6", **********) (HIGHLY REFLECTIVE ELEMENTS)
6,037	LF	POLYUREA PAVEMENT MARKING LINES (12", **********) (HIGHLY REFLECTIVE ELEMENTS)
111,239	LF	CURING COMPOUND REMOVAL, LINES
51	EA	CURING COMPOUND REMOVAL, SYM-BOLS & CHARACTERS

*** END SCHEDULE AA ***

CULVERT ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (56+36.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (56+54.000-LREV-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (57+45.800-LREV-)
Lump Sum	LS	CULVERT EXCAVATION, STA ****** (168+50.00-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ****** (247+02.00-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ****** (56+36.00-L-)
Lump Sum	LS	CULVERT EXCAVATION, STA ****** (56+54.000-LREV-)
753	TON	FOUNDATION CONDITIONING MATER-IAL, BOX CULVERT
1,629.5	CY	CLASS A CONCRETE (CULVERT)
232,485	LB	REINFORCING STEEL (CULVERT)
40	TON	RIP RAP, CLASS ** (I)
Lump Sum	LS	GENERIC CULVERT ITEM PEDESTRIAN CULVERT CONDUIT SYSTEM
Lump Sum	LS	GENERIC CULVERT ITEM PRECAST REINF CONC 3-SIDED CULVERT STA 57+45.800 -LREV-

WALL ITEMS

3,106	SF	MSE RETAINING WALLS
150	SF	SOLDIER PILE RETAINING WALLS
91,406	SF	GENERIC RETAINING WALL ITEM SOUND BARRIER WALL

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ********** (134+30.00-L-LT)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ********** (134+30.00-L-RT)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ********** (24+37.000-LREV-LT)
Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ********** (24+37.000-LREV-RT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (114+28.00-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (120+38.50-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (134+30.00-L-LT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (24+37.000-LREV-RT)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (45+30.610-LREV-RT)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ********** (1,20+06.118-LREV-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ********** (1,70+09.407-LREV-)
687	LF	PILE EXCAVATION IN SOIL
198.1	LF	4'-0" DIA DRILLED PIERS IN SOIL
85.3	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
842.9	LF	**'-**" DIA DRILLED PIERS (4'-6")
127.3	LF	PERMANENT STEEL CASING FOR **'-**" DIA DRILLED PIER (4'-6")
85.3	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER
9	EA	SID INSPECTION
6	EA	SPT TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA-TION AT STATION ******** (134+30.00-L-LT)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVA-TION AT STATION ******** (24+37.000-LREV-RT)
104,338	SF	REINFORCED CONCRETE DECK SLAB
109,757.2	SF	GROOVING BRIDGE FLOORS
1,639	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (11+43.200-SB US 220 RAMP-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (114+28.00-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (114+28.00-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (134+30.00-L-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (134+30.00-L-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (20+06.118-LREV-)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (24+37.000-LREV-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (24+37.000-LREV-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (45+30.610-LREV-LT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (45+30.610-LREV-RT)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (70+09.407-LREV-)
372,468	LB	REINFORCING STEEL (BRIDGE)
47,117	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
2,180.72	LF	45" PRESTRESSED CONCRETE GIR-DERS
4,252.52	LF	54" PRESTRESSED CONCRETE GIR-DERS
1,424,837	LS	APPROX ..... LBS STRUCTURAL STEEL
7,393	LF	HP12X53 STEEL PILES
280	LF	HP12X53 GALVANIZED STEEL PILES
1,015	LF	HP14X73 GALVANIZED STEEL PILES
7	EA	STEEL PILE POINTS
563.32	LF	TWO BAR METAL RAIL
4,087.71	LF	CONCRETE BARRIER RAIL
593.32	LF	1'-**"X *****" CONCRETE PARA-PET (1'-2" X 2'-6")
2,761	SY	4" SLOPE PROTECTION
3,477	TON	RIP RAP CLASS II (2'-0" THICK)
3,848	SY	FILTER FABRIC FOR DRAINAGE
Lump Sum	LS	POT BEARINGS
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EVAZOTE JOINT SEALS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM AT STA********** (114+28.00-L-LT)
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM AT STA********** (134+30.00-L-LT)
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM AT STA********** (24+37.000-LREV-RT)

43	LF	GENERIC STRUCTURE ITEM 30" CS PIPE, 0.168" THICK
7	EA	GENERIC STRUCTURE ITEM CSL TESTING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 002

CONTRACT ID : C202915 17BP.1.P.3 DIV OFFICE EDENTON LENGTH = 0.000 MI

COUNTY : BERTIE, MARTIN

BRIDGE PRESERVATION

MBE GOAL 1.0% WBE 1.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE #12, 25, 35, 47, 49 & 50 ON US-13, #12 & 28 ON NC-125 #7 ON US-64, #14 ON NC-11 AND #42 ON SR-1528.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
384	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
23	TON	ASPHALT BINDER FOR PLANT MIX
974	SF	WORK ZONE SIGNS (STATIONARY)
433	SF	WORK ZONE SIGNS (PORTABLE)
144	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
3	EA	FLASHING ARROW BOARD
3	EA	PORTABLE CHANGEABLE MESSAGE SIGN
400	EA	DRUMS
50	EA	CONES
112	LF	BARRICADES (TYPE III)
160	HR	FLAGGER
1	EA	TEMPORARY CRASH CUSHIONS
5	EA	RESET TEMPORARY CRASH CUSHION
2	EA	TMA
1,700	LF	PORTABLE CONCRETE BARRIER
9,050	LF	RESET PORTABLE CONCRETE BAR-RIER
Lump Sum	LS	GENERIC TRAFFIC CONTROL ITEM AUTOMATED FLAGGER ASSISTANCE DEVICE SYSTEMS
9,032	LF	POLYUREA PAVEMENT MARKING LINES (4", **********) (STANDARD GLASS BEADS)
45	EA	PERMANENT RAISED PAVEMENT MARKERS
73,186	SF	GROOVING BRIDGE FLOORS
360	CY	LATEX MODIFIED CONC OVERLAY
9,193	SY	PLACING & FINISHING OF LATEX MODIFIED CONC OVERLAY
Lump Sum	LS	FOAM JOINT SEALS
550	LF	GENERIC STRUCTURE ITEM PIPE ENCAPSULATION
9,193	SY	GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DECK
14,085	SY	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 003

CONTRACT ID : C202937 1C.015126 DIV OFFICE EDENTON LENGTH = 23.060 MI

COUNTY : CAMDEN, CURRITUCK

WIDENING, MILLING, RESURFACING, AND SHOULDER RECONST.

MBE GOAL 2.0% WBE 2.0% COMPLETION DATE : SEP 21 2012

US-158 FROM RR CROSSING TO CURRITUCK CO, NC-168 FROM VA STATE LINE TO END OF C&G, & 15 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,635	CY	BORROW EXCAVATION
3	MSY	CONDITIONING EXISTING BASE
305	TON	INCIDENTAL STONE BASE
41.88	SMI	SHOULDER RECONSTRUCTION
1,330	GAL	PRIME COAT
107,092	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
90	SY	INCIDENTAL MILLING
1,483	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
5,055	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
9,865	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
8,695	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
14,325	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
2,349	TON	ASPHALT BINDER FOR PLANT MIX
26,717	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
2	EA	ADJUSTMENT OF MANHOLES
9	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
145,476	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
122,899	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
500	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
126	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
200	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
395,556	LF	PAINT PAVEMENT MARKING LINES (4")
1,212	LF	PAINT PAVEMENT MARKING LINES (24")
38,800	LF	POLYUREA PAVEMENT MARKING LINES (4", **********) (HIGHLY REFLECTIVE ELEMENTS)
200	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
830	EA	PERMANENT RAISED PAVEMENT MARKERS
4,950	LF	TEMPORARY SILT FENCE
512	SY	MATTING FOR EROSION CONTROL
1,200	LF	WATTLE
104	LB	POLYACRYLAMIDE (PAM)
28.33	ACR	SEEDING & MULCHING
1,900	LF	UNPAVED TRENCHING (**********) (1, 2")
25	EA	JUNCTION BOX (STANDARD SIZE)
2,708	LF	INDUCTIVE LOOP SAWCUT
5,400	LF	LEAD-IN CABLE (**********) (14-2)

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 004

CONTRACT ID : C202932 1C.028036 DIV OFFICE EDENTON LENGTH = 11.418 MI

COUNTY : DARE

RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 2.0% WBE 2.0% COMPLETION DATE : AUG 24 2012

NC-12 FROM NEW PAVEMENT TO SR-1467 AND 18 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
460	CY	BORROW EXCAVATION
6	MSY	CONDITIONING EXISTING BASE
61	TON	INCIDENTAL STONE BASE
22.86	SMI	SHOULDER RECONSTRUCTION
2,223	GAL	PRIME COAT
444	SY	INCIDENTAL MILLING
151	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
13,146	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
888	TON	ASPHALT BINDER FOR PLANT MIX
7	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
105,881	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
80,691	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
410	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
18	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
186,572	LF	PAINT PAVEMENT MARKING LINES (4")
200	LF	PAINT PAVEMENT MARKING LINES (24")
125	EA	PERMANENT RAISED PAVEMENT MARKERS
2,570	LF	TEMPORARY SILT FENCE
128	SY	MATTING FOR EROSION CONTROL
32	LF	WATTLE
28	LB	POLYACRYLAMIDE (PAM)
13.75	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 005

CONTRACT ID : C202929 1C.037048 DIV OFFICE EDENTON LENGTH = 22.362 MI

COUNTY : GATES

WIDENING, MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 3.0% COMPLETION DATE : SEP 14 2012

2 SECTIONS OF US-158 WEST, 1 SECTION OF US-158 BUS & NC-37, AND 7 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,980	CY	BORROW EXCAVATION
278	TON	INCIDENTAL STONE BASE
43.61	SMI	SHOULDER RECONSTRUCTION
11,500	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
8,000	SY	MILLING ASPHALT PAVEMENT, ***" TO ******" (0" TO 3")
1,917	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
8,164	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
17,915	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
513	TON	ASPHALT CONC SURFACE COURSE, TYPE S4.75A
1,810	TON	ASPHALT BINDER FOR PLANT MIX
4	EA	RETROFIT EXISTING CURB RAMP
22	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
220,465	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
147,940	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
262	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
30	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
3	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
147,940	LF	PAINT PAVEMENT MARKING LINES (4")
262	LF	PAINT PAVEMENT MARKING LINES (24")
30	EA	PAINT PAVEMENT MARKING CHARAC-TER
422	EA	PERMANENT RAISED PAVEMENT MARKERS
3,100	LF	TEMPORARY SILT FENCE
320	SY	MATTING FOR EROSION CONTROL
1,590	LF	WATTLE
70	LB	POLYACRYLAMIDE (PAM)
24.54	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID **L120221 006**

CONTRACT ID : C202938 1C.070039 DIV OFFICE EDENTON LENGTH = 9.653 MI

COUNTY : PASQUOTANK

RESURFACING AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 3.0% COMPLETION DATE : JUN 15 2012

21 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
2,100	CY	BORROW EXCAVATION
1	MSY	CONDITIONING EXISTING BASE
125	TON	INCIDENTAL STONE BASE
19.28	SMI	SHOULDER RECONSTRUCTION
457	GAL	PRIME COAT
8,747	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
587	TON	ASPHALT BINDER FOR PLANT MIX
1	EA	ADJUSTMENT OF MANHOLES
16	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
56,780	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
57,000	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
113,780	LF	PAINT PAVEMENT MARKING LINES (4")
450	LF	TEMPORARY SILT FENCE
64	SY	MATTING FOR EROSION CONTROL
1,190	LF	WATTLE
14	LB	POLYACRYLAMIDE (PAM)
10.27	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID **L120221 007**

CONTRACT ID : C202939 1C.072062 **DIV OFFICE EDENTON** **LENGTH = 10.590 MI**

COUNTY : PERQUIMANS

RESURFACING AND SHOULDER RECONSTRUCTION.

MBE GOAL 2.0% WBE 2.0% COMPLETION DATE : JUN 15 2012

7 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1,200	CY	BORROW EXCAVATION
7	MSY	CONDITIONING EXISTING BASE
125	TON	INCIDENTAL STONE BASE
21.18	SMI	SHOULDER RECONSTRUCTION
2,329	GAL	PRIME COAT
50	SY	INCIDENTAL MILLING
4,040	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
6,896	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
704	TON	ASPHALT BINDER FOR PLANT MIX
4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
107,170	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
65,736	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
162,490	LF	PAINT PAVEMENT MARKING LINES (4")
250	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
600	LF	TEMPORARY SILT FENCE
32	SY	MATTING FOR EROSION CONTROL
240	LF	WATTLE
21	LB	POLYACRYLAMIDE (PAM)
15.39	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 008

CONTRACT ID : C202934 2CR.10161.11 DIV OFFICE GREENVILLE LENGTH = 9.570 MI

COUNTY : CARTERET

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 2.0% WBE 3.0% COMPLETION DATE : MAY 24 2012

NC-58 FROM .2 MILES EAST OF SR-1182 TO SOUTH END OF SALTER PATH FAMILY CAMPGROUND.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
336	CY	BORROW EXCAVATION
16.8	SMI	SHOULDER RECONSTRUCTION
44,997	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
20,545	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,232	TON	ASPHALT BINDER FOR PLANT MIX
2	EA	ADJUSTMENT OF MANHOLES
3	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
94,476	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
107,986	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
350	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
146	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
57	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
202,462	LF	PAINT PAVEMENT MARKING LINES (4")
350	LF	PAINT PAVEMENT MARKING LINES (8")
146	LF	PAINT PAVEMENT MARKING LINES (24")
68	EA	PAINT PAVEMENT MARKING SYMBOL
560	EA	SNOWPLOWABLE PAVEMENT MARKERS
10	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 009

CONTRACT ID : C202930 2CR.10521.4 DIV OFFICE GREENVILLE LENGTH = 9.753 MI

COUNTY : JONES

MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 3.0% WBE 3.0% COMPLETION DATE : SEP 30 2012

NC-58 FROM NC-41/58 TO US-17.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
361	CY	BORROW EXCAVATION
18.04	SMI	SHOULDER RECONSTRUCTION
17,656	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
533	SY	INCIDENTAL MILLING
23,794	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
15,684	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
1,988	TON	ASPHALT BINDER FOR PLANT MIX
6	EA	ADJUSTMENT OF MANHOLES
9	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
97,044	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
64,369	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
324	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
172	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
20	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
16	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
400	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
161,413	LF	PAINT PAVEMENT MARKING LINES (4")
324	LF	PAINT PAVEMENT MARKING LINES (8")
272	LF	PAINT PAVEMENT MARKING LINES (24")
20	EA	PAINT PAVEMENT MARKING CHARAC-TER
12	EA	PAINT PAVEMENT MARKING SYMBOL
400	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
644	EA	SNOWPLOWABLE PAVEMENT MARKERS
20	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 010

CONTRACT ID : C202935 2CR.10541.12 DIV OFFICE GREENVILLE LENGTH = 1.500 MI

COUNTY : LENOIR

MILLING, AND RESURFACING.

MBE GOAL 3.0% WBE 3.0% COMPLETION DATE : SEP 30 2012

NC-11 FROM MALLARD OIL COMPANY TO NEW ROUND ABOUT.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
50,160	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (2")
6,198	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
366	TON	ASPHALT BINDER FOR PLANT MIX
8	EA	ADJUSTMENT OF MANHOLES
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
12,540	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
1,320	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
500	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
20	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
60	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
12,540	LF	PAINT PAVEMENT MARKING LINES (4")
1,320	LF	PAINT PAVEMENT MARKING LINES (8")
500	LF	PAINT PAVEMENT MARKING LINES (24")
20	EA	PAINT PAVEMENT MARKING CHARAC-TER
52	EA	PAINT PAVEMENT MARKING SYMBOL
99	EA	SNOWPLOWABLE PAVEMENT MARKERS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID **L120221 011**

CONTRACT ID : C202783 33310.3.1 DIV OFFICE WILSON LENGTH = 0.209 MI

COUNTY : JOHNSTON

GRADING, DRAINAGE, PAVING, SIGNALS AND STRUCTURE.

DBE GOAL 6.0% COMPLETION DATE : JAN 01 2014

BRIDGE OVER NEUSE RIVER AND APPROACHES ON US-70 BUS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (22+62.5 -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
1,300	CY	UNDERCUT EXCAVATION
1,300	CY	SELECT GRANULAR MATERIAL
1,400	SY	GEOTEXTILE FOR SOIL STABILIZATION
4,000	TON	GENERIC GRADING ITEM EXCAVATION, HAULING AND DISPOSAL OF CONTAMINATED SOIL
80	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
230	SY	FOUNDATION CONDITIONING GEOTEXTILE
364	LF	15" SIDE DRAIN PIPE
236	LF	18" SIDE DRAIN PIPE
8	LF	15" RC PIPE CULVERTS, CLASS III
56	LF	15" CS PIPE CULVERTS, 0.064" THICK
4	EA	**" CS PIPE ELBOWS, *****" THICK (15", 0.064")
63	TON	AGGREGATE BASE COURSE
100	TON	INCIDENTAL STONE BASE
42	GAL	PRIME COAT
380	SY	INCIDENTAL MILLING
1,020	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
1,010	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
810	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
145	TON	ASPHALT BINDER FOR PLANT MIX
89.6	CY	SUBDRAIN EXCAVATION
67.2	CY	SUBDRAIN FINE AGGREGATE
400	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
11	EA	MASONRY DRAINAGE STRUCTURES
0.6	LF	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.16
5	EA	FRAME WITH TWO GRATES, STD 840.24
4	EA	FRAME WITH TWO GRATES, STD 840.29
1	EA	FRAME WITH COVER, STD 840.54
230	LF	2'-6" CONCRETE CURB & GUTTER
20	LF	SHOULDER BERM GUTTER
150	SY	4" CONCRETE SIDEWALK
2	EA	CONCRETE CURB RAMP
150	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
1	EA	GUARDRAIL ANCHOR UNITS, TYPE III
1	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
50	LF	GENERIC FENCING ITEM ALUMINUM ORNAMENTAL FENCE
1,800	SY	GEOTEXTILE FOR DRAINAGE
2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
143	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2	EA	SIGN ERECTION, TYPE D
6	EA	SIGN ERECTION, TYPE E
1	EA	SIGN ERECTION, TYPE F
8	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
82	SF	WORK ZONE SIGNS (STATIONARY)
64	SF	WORK ZONE SIGNS (PORTABLE)
188	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2	EA	FLASHING ARROW BOARD
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
161	EA	DRUMS
192	LF	BARRICADES (TYPE III)
120	LF	WATER FILLED BARRIER
48	HR	LAW ENFORCEMENT
2,290	SF	GENERIC TRAFFIC CONTROL ITEM MAINTENANCE & REMOVAL OF EXT DETOUR SIGNS OUTSIDE PROJECT LIMITS
59	EA	TEMPORARY RAISED PAVEMENT MARKERS
357	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
86	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
11	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
12,000	LF	PAINT PAVEMENT MARKING LINES (4")
260	LF	PAINT PAVEMENT MARKING LINES (8")
66	LF	PAINT PAVEMENT MARKING LINES (24")
26	EA	PAINT PAVEMENT MARKING SYMBOL
5,288	LF	POLYUREA PAVEMENT MARKING LINES (4", **********) (HIGHLY REFLECTIVE ELEMENTS)
71	EA	PERMANENT RAISED PAVEMENT MARKERS
2,155	LF	TEMPORARY SILT FENCE
225	TON	STONE FOR EROSION CONTROL, CLASS A
55	TON	STONE FOR EROSION CONTROL, CLASS B
585	TON	SEDIMENT CONTROL STONE
1.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
1.25	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
1,400	LF	SAFETY FENCE
60	CY	SILT EXCAVATION
1,560	SY	MATTING FOR EROSION CONTROL
10	SY	COIR FIBER MAT
50	SY	PERMANENT SOIL REINFORCEMENT MAT
590	LF	1/4" HARDWARE CLOTH
640	SY	FLOATING TURBIDITY CURTAIN
20	EA	SPECIAL STILLING BASINS
50	LF	COIR FIBER BAFFLE
1	EA	**" SKIMMER (1-1/2")
3	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
18	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION
30	LF	PAVED TRENCHING (**********) (1, 2")
10	LF	DIRECTIONAL DRILL (**********) (1, 2")
1	EA	JUNCTION BOX (STANDARD SIZE)
560	LF	INDUCTIVE LOOP SAWCUT
380	LF	LEAD-IN CABLE (**********) (14-2)
3	EA	SIGN FOR SIGNALS

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP ACCESS AT STA ********** (22+62.50-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (22+62.50-L-)
220.67	LF	4'-0" DIA DRILLED PIERS IN SOIL
121	LF	4'-0" DIA DRILLED PIERS NOT IN SOIL
79.8	LF	PERMANENT STEEL CASING FOR 4'-0" DIA DRILLED PIER
1	EA	SID INSPECTIONS
1	EA	SPT TESTING
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ******** (22+62.50-L-)
29,750	SF	REINFORCED CONCRETE DECK SLAB
23,474	SF	GROOVING BRIDGE FLOORS
262.5	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (22+62.50-L-)
64,144	LB	REINFORCING STEEL (BRIDGE)
12,255	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
972,170	LS	APPROX ..... LBS STRUCTURAL STEEL
980	LF	HP14X73 STEEL PILES
746.55	LF	VERTICAL CONCRETE BARRIER RAIL
1,636	TON	RIP RAP CLASS II (2'-0" THICK)
1,820	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA********** (22+62.50-L-)
Lump Sum	LS	GENERIC STRUCTURE ITEM ELECTRICAL CONDUIT SYSTEM FOR UNDERPASS LIGHTING AT STA 22+62.50-L-
746.55	LF	GENERIC STRUCTURE ITEM CLASSIC CONCRETE BRIDGE RAIL

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID L120221 012

CONTRACT ID : C202780 38450.3.1 DIV OFFICE ABERDEEN LENGTH = 0.227 MI

COUNTY : SCOTLAND

GRADING, DRAINAG, PAVING, AND STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : NOV 11 2013

BRIDGES OVER US-74 BUS AND NC-79 AND APPROACHES ON US-15/501/401.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (25+23.50)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
2,400	CY	UNDERCUT EXCAVATION
2,000	CY	SELECT GRANULAR MATERIAL
1,000	SY	GEOTEXTILE FOR SOIL STABILIZATION
380	SF	TEMPORARY SHORING
80	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
250	SY	FOUNDATION CONDITIONING GEOTEXTILE
152	LF	15" RC PIPE CULVERTS, CLASS III
1	EA	**" PIPE END SECTION (15")
580	LF	15" CS PIPE CULVERTS, 0.064" THICK
5	EA	**" CS PIPE ELBOWS, *****" THICK (15", 0.064")
430	LF	PIPE REMOVAL
610	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
1,120	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
780	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
1,120	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
155	TON	ASPHALT BINDER FOR PLANT MIX
134.4	CY	SUBDRAIN EXCAVATION
100.8	CY	SUBDRAIN FINE AGGREGATE
600	LF	6" PERFORATED SUBDRAIN PIPE
2	EA	SUBDRAIN PIPE OUTLET
12	LF	6" OUTLET PIPE
7	EA	MASONRY DRAINAGE STRUCTURES
4	EA	FRAME WITH TWO GRATES, STD 840.20
2	EA	FRAME WITH TWO GRATES, STD 840.22
1	EA	STEEL FRAME WITH TWO GRATES, STD 840.37
360	LF	SHOULDER BERM GUTTER
35	LF	CONCRETE EXPRESSWAY GUTTER
550	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
1	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
4	EA	GUARDRAIL ANCHOR UNITS, TYPE M-350
3	EA	GUARDRAIL ANCHOR UNITS, TYPE B-77
2	EA	GUARDRAIL ANCHOR UNITS, TYPE B-83
450	LF	REMOVE EXISTING GUARDRAIL
87.5	LF	TEMPORARY STEEL BM GUARDRAIL
1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
25	LF	RELAPPING GUARDRAIL
3	TON	RIP RAP, CLASS B
572	SY	GEOTEXTILE FOR DRAINAGE
1,051	SF	WORK ZONE SIGNS (STATIONARY)
126	SF	WORK ZONE SIGNS (PORTABLE)
200	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
2	EA	FLASHING ARROW BOARD
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
300	EA	DRUMS
40	EA	CONES
128	LF	BARRICADES (TYPE III)
960	DAY	FLAGGER
4	EA	TMA
1,740	LF	PORTABLE CONCRETE BARRIER
236	EA	TEMPORARY RAISED PAVEMENT MARKERS
13,515	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
1,023	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
3,709	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
585	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
2,049	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)
2,808	LF	PAINT PAVEMENT MARKING LINES (4")
203	LF	PAINT PAVEMENT MARKING LINES (8")
12,415	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
750	LF	REMOVAL OF PAVEMENT MARKING LINES (8")
211	EA	PERMANENT RAISED PAVEMENT MARKERS
2,055	LF	TEMPORARY SILT FENCE
460	TON	STONE FOR EROSION CONTROL, CLASS A
235	TON	STONE FOR EROSION CONTROL, CLASS B
375	TON	SEDIMENT CONTROL STONE
4.5	ACR	TEMPORARY MULCHING
150	LB	SEED FOR TEMPORARY SEEDING
0.5	TON	FERTILIZER FOR TEMPORARY SEEDING
285	LF	TEMPORARY SLOPE DRAINS
100	LF	SAFETY FENCE
510	CY	SILT EXCAVATION
4,000	SY	MATTING FOR EROSION CONTROL
1,150	LF	1/4" HARDWARE CLOTH
170	LF	WATTLE
85	LB	POLYACRYLAMIDE (PAM)
85	LF	COIR FIBER BAFFLE
4.5	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
100	LB	SEED FOR SUPPLEMENTAL SEEDING
2.75	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (25+23.50-L-)
1	EA	PDA TESTING
5,253	SF	REINFORCED CONCRETE DECK SLAB
6,056	SF	GROOVING BRIDGE FLOORS
144.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (25+23.50-L-)
17,230	LB	REINFORCING STEEL (BRIDGE)
159,750	LS	APPROX ..... LBS STRUCTURAL STEEL
700	LF	PP ** X **** STEEL PILES (16 X 0.50)
14	EA	PIPE PILE PLATES
14	EA	PILE REDRIVES
296.94	LF	CONCRETE BARRIER RAIL
475	SY	4" SLOPE PROTECTION

Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	EXPANSION JOINT SEALS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID L120221 013

CONTRACT ID : C202773 33048.3.1 DIV OFFICE ALBEMARLE LENGTH = 0.266 MI

COUNTY : CABARRUS

GRADING, DRAINAGE, PAVING, SIGNAL AND STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : MAR 11 2015

BRIDGE OVER SOUTHERN RAILWAY AND APPROACHES ON SR-1002 IN CONCORD.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	REINFORCED BRIDGE APPROACH FILL, STATION ********** (18+10.00)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
1,000	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
29,200	CY	BORROW EXCAVATION
2,600	SY	GEOTEXTILE FOR SOIL STABILIZATION
3,050	SF	TEMPORARY SHORING
500	SY	ROCK PLATING
244	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
1,041	SY	FOUNDATION CONDITIONING GEOTEXTILE
264	LF	15" DRAINAGE PIPE
228	LF	36" DRAINAGE PIPE
4	EA	**" DRAINAGE PIPE ELBOWS (15")
832	LF	15" RC PIPE CULVERTS, CLASS IV
248	LF	PIPE REMOVAL
850	CY	SHALLOW UNDERCUT
1,700	TON	CLASS IV SUBGRADE STABILIZATION
240	TON	AGGREGATE BASE COURSE
750	TON	INCIDENTAL STONE BASE
91	GAL	PRIME COAT
390	SY	INCIDENTAL MILLING
1,680	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
1,310	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
1,480	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
230	TON	ASPHALT BINDER FOR PLANT MIX
467	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
56	CY	SUBDRAIN EXCAVATION
42	CY	SUBDRAIN FINE AGGREGATE
250	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
17	EA	MASONRY DRAINAGE STRUCTURES
15	LF	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH GRATE, STD 840.**** (840.16)
3	EA	FRAME WITH TWO GRATES, STD 840.24
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
3	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
5	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
2	EA	FRAME WITH COVER, STD 840.54
190	LF	**"X **" CONCRETE CURB (9" X 18")
3,270	LF	2'-6" CONCRETE CURB & GUTTER
1,510	SY	4" CONCRETE SIDEWALK
19	EA	CONCRETE CURB RAMP
120	SY	6" CONCRETE DRIVEWAY
35	SY	4" CONCRETE PAVED DITCH
3	EA	ADJUSTMENT OF MANHOLES
775	LF	STEEL BM GUARDRAIL
50	LF	STEEL BM GUARDRAIL, SHOP CURVED
6	EA	STEEL BM GUARDRAIL TERMINAL SECTIONS
5	EA	ADDITIONAL GUARDRAIL POSTS
1	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
1	EA	GUARDRAIL ANCHOR UNITS, TYPE CAT-1
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
1,110	LF	REMOVE EXISTING GUARDRAIL
95	LF	GENERIC FENCING ITEM PEDESTRIAN SAFETY RAIL
26	TON	RIP RAP, CLASS I
39	TON	RIP RAP, CLASS B
880	SY	GEOTEXTILE FOR DRAINAGE
214	SF	WORK ZONE SIGNS (STATIONARY)
128	SF	WORK ZONE SIGNS (PORTABLE)
60	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
90	EA	DRUMS
64	LF	BARRICADES (TYPE III)
1,000	HR	FLAGGER
2	EA	TEMPORARY CRASH CUSHIONS
2	EA	RESET TEMPORARY CRASH CUSHION
229	LF	PORTABLE CONCRETE BARRIER
600	LF	PORTABLE CONCRETE BARRIER (ANCHORED)
313	LF	GENERIC TRAFFIC CONTROL ITEM TRAFFIC CONTROL SAFETY FENCE
80	EA	TEMPORARY RAISED PAVEMENT MARKERS
8,327	LF	PAINT PAVEMENT MARKING LINES (4")
40	LF	PAINT PAVEMENT MARKING LINES (24")
2,562	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
1,158	LF	6" WATER LINE
4	EA	6" VALVE
12	EA	RELOCATE WATER METER
2	EA	FIRE HYDRANT
783	LF	8" SANITARY GRAVITY SEWER
12	EA	SANITARY SEWER CLEAN-OUT
5	EA	4' DIA UTILITY MANHOLE
10.4	LF	UTILITY MANHOLE WALL, 4' DIA
619	LF	ABANDON 8" UTILITY PIPE
3	EA	ABANDON UTILITY MANHOLE
321	LF	**" ENCASEMENT PIPE (12-3/4")
122	LF	16" ENCASEMENT PIPE
135	LF	TRENCHLESS INSTALLATION OF **" IN SOIL (12-3/4")
135	LF	TRENCHLESS INSTALLATION OF **" NOT IN SOIL (12-3/4")
61	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
61	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL
30	LF	GENERIC UTILITY ITEM REBED 42" SEWER PIPE
5,300	LF	TEMPORARY SILT FENCE
360	TON	STONE FOR EROSION CONTROL, CLASS A
300	TON	STONE FOR EROSION CONTROL, CLASS B
510	TON	SEDIMENT CONTROL STONE
4	ACR	TEMPORARY MULCHING
150	LB	SEED FOR TEMPORARY SEEDING
1.5	TON	FERTILIZER FOR TEMPORARY SEEDING
600	LF	TEMPORARY SLOPE DRAINS
100	LF	SAFETY FENCE
650	CY	SILT EXCAVATION
7,500	SY	MATTING FOR EROSION CONTROL
10	SY	COIR FIBER MAT
1,550	LF	1/4" HARDWARE CLOTH
100	LF	WATTLE
40	LB	POLYACRYLAMIDE (PAM)

150	LF	COIR FIBER BAFFLE
1	EA	**" SKIMMER (1-1/2")
4	ACR	SEEDING & MULCHING
4	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
150	LB	SEED FOR SUPPLEMENTAL SEEDING
4	TON	FERTILIZER TOPDRESSING
25	MHR	SPECIALIZED HAND MOWING
16	EA	RESPONSE FOR EROSION CONTROL
5	CY	CONCRETE STEPS
31	LF	HANDRAIL ON STEPS
8	EA	PEDESTRIAN SIGNAL HEAD (**", ** SECTION) (16", 1 SECTION WITH COUNT-DOWN)
1,870	LF	SIGNAL CABLE
16	EA	VEHICLE SIGNAL HEAD (12", 3 SECTION)
320	LF	MESSENGER CABLE (3/8")
320	LF	UNPAVED TRENCHING (**********) (1, 2")
160	LF	DIRECTIONAL DRILL (**********) (4, 2")
6	EA	JUNCTION BOX (STANDARD SIZE)
6	EA	JUNCTION BOX (OVER-SIZED, HEA-VY DUTY)
4	EA	WOOD POLE
4	EA	GUY ASSEMBLY
1	EA	1" RISER WITH WEATHERHEAD
4	EA	2" RISER WITH WEATHERHEAD
1,100	LF	INDUCTIVE LOOP SAWCUT
2,150	LF	LEAD-IN CABLE (**********) (14-2)
4	EA	METAL POLE WITH SINGLE MAST ARM
4	EA	SOIL TEST
20	CY	DRILLED PIER FOUNDATION
4	EA	MAST ARM WITH METAL POLE DE-SIGN
1	EA	SIGNAL CABINET FOUNDATION
1	EA	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)
7	EA	DETECTOR CARD (TYPE 2070L)
1	EA	CABINET BASE EXTENDER
4	EA	GENERIC SIGNAL ITEM DECORATIVE BASE COVER FOR METAL POLE ASSEMBLY
4	EA	GENERIC SIGNAL ITEM POWDER COAT FOR SINGLE MAST ARM WITH METAL POLE

WALL ITEMS

1,406	SF	MSE RETAINING WALLS

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (17+97.08-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ********** (1, 17+97.08-L-)
Lump Sum	LS	FOUNDATION EXCAVATION FOR BENT ** AT STATION ********** (2, 17+97.08-L-)
14,222	SF	REINFORCED CONCRETE DECK SLAB
11,742	SF	GROOVING BRIDGE FLOORS
224.9	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (17+97.08-L-)
36,910	LB	REINFORCING STEEL (BRIDGE)
3,125	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
531,720	LS	APPROX ..... LBS STRUCTURAL STEEL
1,910	LF	HP12X53 STEEL PILES
1,250	SY	4" SLOPE PROTECTION
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	ELECTRICAL CONDUIT SYSTEM FOR SIGNALS AT STA********** (17+97.08-L-)
Lump Sum	LS	GENERIC STRUCTURE ITEM ELECTRICAL CONDUIT SYSTEM
520	LF	GENERIC STRUCTURE ITEM CLASSIC CONCRETE BRIDGE RAIL

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID L120221 014

CONTRACT ID : C202774 33416.3.1 DIV OFFICE ALBEMARLE LENGTH = 0.208 MI

COUNTY : CABARRUS

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : FEB 28 2013

BRIDGE OVER IRISH BUFFALO CREEK AND APPROACHES ON SR-1778 (ORPHANAGE RD) IN KANNAPOLIS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ******* (26+65.50 -L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
250	CY	UNDERCUT EXCAVATION
700	SY	GEOTEXTILE FOR SOIL STABILIZATION
87	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
317	SY	FOUNDATION CONDITIONING GEOTEXTILE
124	LF	15" DRAINAGE PIPE
24	LF	18" DRAINAGE PIPE
28	LF	24" DRAINAGE PIPE
68	LF	42" RC PIPE CULVERTS, CLASS III
32	LF	15" RC PIPE CULVERTS, CLASS IV
44	LF	18" RC PIPE CULVERTS, CLASS IV
28	LF	42" RC PIPE CULVERTS, CLASS IV
16	LF	PIPE REMOVAL
175	CY	SHALLOW UNDERCUT
350	TON	CLASS IV SUBGRADE STABILIZATION
215	TON	AGGREGATE BASE COURSE
150	TON	INCIDENTAL STONE BASE
200	SY	INCIDENTAL MILLING
1,100	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
490	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
620	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
110	TON	ASPHALT BINDER FOR PLANT MIX
50	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
56	CY	SUBDRAIN EXCAVATION
42	CY	SUBDRAIN FINE AGGREGATE
250	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
9	CY	ENDWALLS
4	EA	MASONRY DRAINAGE STRUCTURES
4	EA	FRAME WITH TWO GRATES, STD 840.29
8	LF	SHOULDER BERM GUTTER
70	SY	6" CONCRETE DRIVEWAY
5	EA	ADJUSTMENT OF MANHOLES
4	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
325	LF	STEEL BM GUARDRAIL
10	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
1,290	LF	WOVEN WIRE FENCE, 47" FABRIC
60	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
70	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
55	LF	WOVEN WIRE FENCE RESET
2	EA	GENERIC FENCING ITEM REMOVE & RESET METAL GATE
34	TON	RIP RAP, CLASS I
15	TON	RIP RAP, CLASS B
579	SY	GEOTEXTILE FOR DRAINAGE
2	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
334	SF	WORK ZONE SIGNS (STATIONARY)
144	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
96	LF	BARRICADES (TYPE III)
584	LF	12" WATER LINE
2	EA	12" VALVE
2	EA	RELOCATE FIRE HYDRANT
560	LF	ABANDON 12" UTILITY PIPE
38	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL
37	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL
1,850	LF	TEMPORARY SILT FENCE
405	TON	STONE FOR EROSION CONTROL, CLASS A
265	TON	STONE FOR EROSION CONTROL, CLASS B
260	TON	SEDIMENT CONTROL STONE
2	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
1.25	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
300	LF	SAFETY FENCE
810	CY	SILT EXCAVATION
2,500	SY	MATTING FOR EROSION CONTROL
40	SY	COIR FIBER MAT
1,500	SY	PERMANENT SOIL REINFORCEMENT MAT
680	LF	1/4" HARDWARE CLOTH
235	LF	WATTLE
100	LB	POLYACRYLAMIDE (PAM)
260	LF	COIR FIBER BAFFLE
4	EA	**" SKIMMER (1-1/2")
2	ACR	SEEDING & MULCHING
2	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
1.5	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
18	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (26+65.50-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ******** (26+65.50-L-)
4,735	SF	CONCRETE WEARING SURFACE
4,894	SF	GROOVING BRIDGE FLOORS
10.7	CY	CLASS AA CONCRETE (BRIDGE)
59.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (26+65.50-L-)
9,010	LB	REINFORCING STEEL (BRIDGE)
1,037	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
350	LF	HP12X53 STEEL PILES
580	LF	HP14X73 GALVANIZED STEEL PILES
16	EA	STEEL PILE POINTS
290.5	LF	TWO BAR METAL RAIL
305.5	LF	1'-**"X *****" CONCRETE PARAPET (1'-2" x 2'-9 1/2")
260	TON	RIP RAP CLASS II (2'-0" THICK)
285	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,982.5	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID L120221 015

CONTRACT ID : C202777 33548.2.1 DIV OFFICE ALBEMARLE LENGTH = 0.180 MI

COUNTY : MECKLENBURG

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : MAR 13 2013

BRIDGE OVER IRVINS CREEK AND APPROACHES ON SR-3168 (SAM NEWELL RD) IN MATTHEWS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ******* (22+60.00)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
500	CY	UNDERCUT EXCAVATION
60	CY	DRAINAGE DITCH EXCAVATION
500	CY	SELECT GRANULAR MATERIAL
800	SY	GEOTEXTILE FOR SOIL STABILIZATION
261	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
455	SY	FOUNDATION CONDITIONING GEOTEXTILE
84	LF	18" SIDE DRAIN PIPE
340	LF	15" RC PIPE CULVERTS, CLASS IV
328	LF	24" RC PIPE CULVERTS, CLASS IV
32	LF	15" CS PIPE CULVERTS, 0.064" THICK
32	LF	24" CS PIPE CULVERTS, 0.064" THICK
208	LF	PIPE REMOVAL
70	CY	SHALLOW UNDERCUT
380	TON	CLASS IV SUBGRADE STABILIZATION
200	TON	INCIDENTAL STONE BASE
930	SY	MILLING ASPHALT PAVEMENT, ***" TO ******" (0" TO 3")
830	SY	INCIDENTAL MILLING
430	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
350	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
695	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
80	TON	ASPHALT BINDER FOR PLANT MIX
50	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
45	CY	SUBDRAIN EXCAVATION
34	CY	SUBDRAIN FINE AGGREGATE
200	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
10	EA	MASONRY DRAINAGE STRUCTURES
2	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
4	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
1,030	LF	2'-6" CONCRETE CURB & GUTTER
8	LF	SHOULDER BERM GUTTER
300	SY	4" CONCRETE SIDEWALK
3	EA	CONCRETE CURB RAMP
120	SY	6" CONCRETE DRIVEWAY
3	EA	ADJUSTMENT OF MANHOLES
1	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
62.5	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ********** (350 TL-2)
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
230	LF	REMOVE EXISTING GUARDRAIL
60	LF	BARBED WIRE FENCE RESET
70	LF	CHAIN LINK FENCE RESET
31	TON	RIP RAP, CLASS II
10	TON	RIP RAP, CLASS B
502	SY	GEOTEXTILE FOR DRAINAGE
456	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
155	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
50	EA	DRUMS
50	EA	CONES
160	LF	BARRICADES (TYPE III)
640	HR	FLAGGER
200	HR	LAW ENFORCEMENT
70	EA	SKINNY DRUM
48	EA	TEMPORARY RAISED PAVEMENT MARKERS
11,450	LF	PAINT PAVEMENT MARKING LINES (4")
20	LF	PAINT PAVEMENT MARKING LINES (24")
14	EA	PAINT PAVEMENT MARKING SYMBOL
685	LF	16" WATER LINE
3	EA	16" VALVE
1	EA	2" AIR RELEASE VALVE
120	LF	30" SANITARY GRAVITY SEWER
1	EA	5' DIA UTILITY MANHOLE
1	EA	6' DIA UTILITY MANHOLE
7.2	LF	UTILITY MANHOLE WALL, 5' DIA
8.5	LF	UTILITY MANHOLE WALL, 6' DIA
681	LF	ABANDON 16" UTILITY PIPE
128	LF	ABANDON 30" UTILITY PIPE
2	EA	REMOVE UTILITY MANHOLE
110	LF	**" ENCASEMENT PIPE (48")
192	LF	24" ENCASEMENT PIPE
96	LF	TRENCHLESS INSTALLATION OF 16" IN SOIL
96	LF	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL
1,110	LF	TEMPORARY SILT FENCE
250	TON	STONE FOR EROSION CONTROL, CLASS A
140	TON	STONE FOR EROSION CONTROL, CLASS B
125	TON	SEDIMENT CONTROL STONE
3	ACR	TEMPORARY MULCHING
100	LB	SEED FOR TEMPORARY SEEDING
1.5	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
100	LF	SAFETY FENCE
400	CY	SILT EXCAVATION
4,000	SY	MATTING FOR EROSION CONTROL
30	SY	COIR FIBER MAT
2,907	SY	PERMANENT SOIL REINFORCEMENT MAT
455	LF	1/4" HARDWARE CLOTH
165	LF	COIR FIBER BAFFLE
3	EA	**" SKIMMER (1-1/2")
3	ACR	SEEDING & MULCHING
3	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
75	LB	SEED FOR SUPPLEMENTAL SEEDING
2	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
18	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (22+60.00-L-)
66	LF	PILE EXCAVATION IN SOIL
66	LF	PILE EXCAVATION NOT IN SOIL

Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ******** (22+60.00-L-)
4,049	SF	CONCRETE WEARING SURFACE
4,739	SF	GROOVING BRIDGE FLOORS
51	CY	CLASS AA CONCRETE (BRIDGE)
84.1	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (22+60.00-L-)
12,081	LB	REINFORCING STEEL (BRIDGE)
2,025	LB	EPOXY COATED REINFORCING STEEL (BRIDGE)
260	LF	HP12X53 STEEL PILES
220	LF	HP14X73 GALVANIZED STEEL PILES
159	LF	THREE BAR METAL RAIL
535	TON	RIP RAP CLASS II (2'-0" THICK)
595	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,748.34	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 016

CONTRACT ID : C202936 10CR.10041.39 DIV OFFICE ALBEMARLE LENGTH = 18.020 MI

COUNTY : ANSON

WIDENING, MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE : JUN 21 2013

2 SECTIONS OF US-74, 1 SECTION OF US-52 AND NC-742, AND 2 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
2,635	CY	BORROW EXCAVATION
1,328	TON	STABILIZER AGGREGATE
997	TON	INCIDENTAL STONE BASE
4.6	SMI	SHOULDER CONSTRUCTION
29.5	SMI	SHOULDER RECONSTRUCTION
150	LF	DITCHING
34,000	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
425	SY	INCIDENTAL MILLING
3,500	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
15,800	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
5,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,000	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
22,975	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
950	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C (LEVELING COURSE)
2,760	TON	ASPHALT BINDER FOR PLANT MIX
4,480	TON	PATCHING EXISTING PAVEMENT
242	SY	6" CONCRETE DRIVEWAY
16	EA	ADJUSTMENT OF MANHOLES
21	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
80,198	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
77,600	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
190	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
560	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
44	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
68	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
492,150	LF	PAINT PAVEMENT MARKING LINES (4")
80	LF	PAINT PAVEMENT MARKING LINES (8")
30	LF	PAINT PAVEMENT MARKING LINES (24")
2,803	EA	PERMANENT RAISED PAVEMENT MARKERS
Lump Sum	LS	PORTABLE LIGHTING
1,220	LF	TEMPORARY SILT FENCE
366	TON	STONE FOR EROSION CONTROL, CLASS B
183	TON	SEDIMENT CONTROL STONE
1,415	LF	WATTLE
4	LB	POLYACRYLAMIDE (PAM)
2.8	ACR	SEEDING & MULCHING

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 017

CONTRACT ID : C202967 10CR.10841.35 DIV OFFICE ALBEMARLE LENGTH = 12.360 MI

COUNTY : STANLY

WIDENING, MILLING, RESURFACING & SHOULDER RECONSTRUCTION.

MBE GOAL 4.0% WBE 4.0% COMPLETION DATE : JUN 30 2013

NC-8 FROM SR-1638 TO JOINT BEFORE NC-49, NC-24/27 FROM NC-740 TO MP 19.83 & 4 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
333	CY	BORROW EXCAVATION
578	TON	INCIDENTAL STONE BASE
6.8	SMI	SHOULDER CONSTRUCTION
16.42	SMI	SHOULDER RECONSTRUCTION
1,360	LF	DITCHING
20,400	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
830	SY	INCIDENTAL MILLING
1,691	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
7,236	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
9,193	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
950	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)
6,273	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,405	TON	ASPHALT BINDER FOR PLANT MIX
2,250	TON	PATCHING EXISTING PAVEMENT
120	SY	6" CONCRETE DRIVEWAY
1	EA	ADJUSTMENT OF CATCH BASINS
2	EA	ADJUSTMENT OF MANHOLES
3	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
78,902	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
59,404	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
400	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
80	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
13	EA	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)
31	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
600	LF	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)
286,458	LF	PAINT PAVEMENT MARKING LINES (4")
600	LF	REMOVAL OF PAVEMENT MARKING LINES (4")
900	EA	PERMANENT RAISED PAVEMENT MARKERS
1,280	LF	TEMPORARY SILT FENCE
3,136	SY	MATTING FOR EROSION CONTROL
1,960	LF	WATTLE
8.23	ACR	SEEDING & MULCHING

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID L120221 018

CONTRACT ID : C202650 36271.3.1 DIV OFFICE NORTH WILKESBORO LENGTH = 0.076 MI

COUNTY : WATAUGA

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 8.0% COMPLETION DATE : APR 12 2013

BRIDGE OVER MEAT CAMP CREEK AND APPROACHES ON SR-1335.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ******* (17+52.50-L-)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
100	CY	UNDERCUT EXCAVATION
100	CY	SELECT GRANULAR MATERIAL
200	SY	GEOTEXTILE FOR SOIL STABILIZATION
120	SF	TEMPORARY SHORING
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
30	SY	FOUNDATION CONDITIONING GEOTEXTILE
40	LF	18" DRAINAGE PIPE
48	LF	15" RC PIPE CULVERTS, CLASS IV
95	CY	SHALLOW UNDERCUT
125	TON	CLASS IV SUBGRADE STABILIZATION
85	TON	AGGREGATE BASE COURSE
50	TON	INCIDENTAL STONE BASE
88	GAL	PRIME COAT
55	SY	INCIDENTAL MILLING
130	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
90	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
150	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
20	TON	ASPHALT BINDER FOR PLANT MIX
75	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
22.4	CY	SUBDRAIN EXCAVATION
16.8	CY	SUBDRAIN FINE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
1	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.29
8	LF	SHOULDER BERM GUTTER
1	EA	IMPACT ATTENUATOR UNIT, TYPE 350
3	EA	ADDITIONAL GUARDRAIL POSTS
3	EA	GUARDRAIL ANCHOR UNITS, TYPE III
3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
3	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ********** (III)
1	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ********** (W-BEAM)
3	EA	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350
1	TON	RIP RAP, CLASS B
355	SY	GEOTEXTILE FOR DRAINAGE
196	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
20	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
20	EA	DRUMS
10	EA	CONES
80	LF	BARRICADES (TYPE III)
384	HR	FLAGGER
1	EA	TEMPORARY CRASH CUSHIONS
80	LF	PORTABLE CONCRETE BARRIER
10	EA	SKINNY DRUM
150	DAY	GENERIC TRAFFIC CONTROL ITEM TEMPORARY TRAFFIC SIGNAL SYSTEM
5,380	LF	PAINT PAVEMENT MARKING LINES (4")
25	LF	PAINT PAVEMENT MARKING LINES (24")
600	LF	TEMPORARY SILT FENCE
270	TON	STONE FOR EROSION CONTROL, CLASS A
45	TON	STONE FOR EROSION CONTROL, CLASS B
50	TON	SEDIMENT CONTROL STONE
0.5	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
1.25	TON	FERTILIZER FOR TEMPORARY SEEDING
500	LF	SAFETY FENCE
130	CY	SILT EXCAVATION
1,000	SY	MATTING FOR EROSION CONTROL
125	SY	COIR FIBER MAT
120	LF	1/4" HARDWARE CLOTH
90	LF	WATTLE
25	LB	POLYACRYLAMIDE (PAM)
30	LF	COIR FIBER BAFFLE
1	EA	**" SKIMMER (1-1/2")
1.5	ACR	SEEDING & MULCHING
0.25	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.25	TON	FERTILIZER TOPDRESSING
130	LF	IMPERVIOUS DIKE
20	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION
624	SF	GENERIC RETAINING WALL ITEM GABION AND RENO MATTRESS RETAINING WALLS

STRUCTURE ITEMS

Lump Sum	LS	CONSTRUCTION, MAINTENANCE, & REMOVAL OF TEMP STRUCTURE AT STA ********** (17+52.50-L-)
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (17+52.50-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ******** (17+52.50-L-)
884.6	SF	CONCRETE WEARING SURFACE
1,320	SF	GROOVING BRIDGE FLOORS
56.8	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (17+52.50-L-)
5,997	LB	REINFORCING STEEL (BRIDGE)
360	LF	HP12X53 STEEL PILES
12	EA	STEEL PILE POINTS
49.564	LF	ONE BAR METAL RAIL
65.42	LF	1'-**"X *****" CONCRETE PARAPET (1'-0" X 1'-9 1/2")
Lump Sum	LS	ELASTOMERIC BEARINGS
Lump Sum	LS	FOAM JOINT SEALS
327.08	LF	3'-0" X 1'-6" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID **L120221 019**

CONTRACT ID : C202775 33425.3.1 DIV OFFICE SHELBY LENGTH = 0.112 MI

COUNTY : CATAWBA

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 10.0% COMPLETION DATE : FEB 10 2013

BRIDGE OVER HAGAN CREEK AND APPROACHES ON SR-1727.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ******* (13+40.00 -L-)
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
350	CY	UNDERCUT EXCAVATION
Lump Sum	LS	GRADING
2,120	CY	BORROW EXCAVATION
1,820	CY	DRAINAGE DITCH EXCAVATION
250	CY	SELECT GRANULAR MATERIAL
70	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
410	SY	FOUNDATION CONDITIONING GEOTEXTILE
20	LF	15" DRAINAGE PIPE
2	EA	**" DRAINAGE PIPE ELBOWS (15")
136	LF	18" SIDE DRAIN PIPE
92	LF	78" RC PIPE CULVERTS, CLASS III
64	LF	PIPE REMOVAL
56	TON	AGGREGATE BASE COURSE
100	TON	INCIDENTAL STONE BASE
300	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
210	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
350	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
45	TON	ASPHALT BINDER FOR PLANT MIX
44	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
7.9	CY	REINFORCED ENDWALLS
1	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH TWO GRATES, STD 840.29
40	LF	SHOULDER BERM GUTTER
275	LF	STEEL BM GUARDRAIL
150	LF	STEEL BM GUARDRAIL, SHOP CURVED
5	EA	ADDITIONAL GUARDRAIL POSTS
3	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
3	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
130	LF	WOVEN WIRE FENCE, 47" FABRIC
5	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
10	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
1	EA	GENERIC FENCING ITEM REMOVE & RESET GATE
218	TON	RIP RAP, CLASS I
57	TON	RIP RAP, CLASS II
4	TON	RIP RAP, CLASS B
705	SY	GEOTEXTILE FOR DRAINAGE
42	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
2	EA	SIGN ERECTION, TYPE E
1	EA	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
8	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
465	SF	WORK ZONE SIGNS (STATIONARY)
141	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
25	EA	DRUMS
160	LF	BARRICADES (TYPE III)
4,720	LF	PAINT PAVEMENT MARKING LINES (4")
615	LF	12" WATER LINE
2	EA	12" TAPPING VALVE
2	EA	12" LINE STOP
606	LF	ABANDON 12" UTILITY PIPE
20	LF	TRENCHLESS INSTALLATION OF 12" IN SOIL
20	LF	TRENCHLESS INSTALLATION OF 12" NOT IN SOIL
3,500	LF	TEMPORARY SILT FENCE
250	TON	STONE FOR EROSION CONTROL, CLASS A
110	TON	STONE FOR EROSION CONTROL, CLASS B
185	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
200	LF	SAFETY FENCE
190	CY	SILT EXCAVATION
2,000	SY	MATTING FOR EROSION CONTROL
1,000	SY	COIR FIBER MAT
50	SY	PERMANENT SOIL REINFORCEMENT MAT
500	LF	1/4" HARDWARE CLOTH
100	SY	FLOATING TURBIDITY CURTAIN
2	EA	SPECIAL STILLING BASINS
130	LF	WATTLE
35	LB	POLYACRYLAMIDE (PAM)
15	LF	COIR FIBER BAFFLE
1.5	ACR	SEEDING & MULCHING
1	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING
30	MHR	SPECIALIZED HAND MOWING
25	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (13+40.00-L-)
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ******** (13+40.00-L-)
41.4	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (13+40.00-L-)
6,425	LB	REINFORCING STEEL (BRIDGE)
510	LF	HP12X53 STEEL PILES
7	EA	STEEL PILE POINTS
178.45	LF	TWO BAR METAL RAIL
194.79	LF	1'-**"X *****" CONCRETE PARAPET (1'-2" X 2'-7 1/2")
380	TON	RIP RAP CLASS II (2'-0" THICK)
425	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
1,071.35	LF	3'-0" X 3'-3" PRESTRESSED CONC BOX BEAMS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID L120221 020

CONTRACT ID : C202779 33766.3.1 DIV OFFICE SHELBY LENGTH = 0.118 MI

COUNTY : IREDELL

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

DBE GOAL 7.0% COMPLETION DATE : MAR 29 2013

BRIDGE OVER FOURTH CREEK AND APPROACHES ON SR-2308.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ******* (19+82.53)
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
200	CY	UNDERCUT EXCAVATION
500	CY	SELECT GRANULAR MATERIAL
1,200	SY	GEOTEXTILE FOR SOIL STABILIZATION
20	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
55	SY	FOUNDATION CONDITIONING GEOTEXTILE
60	LF	15" DRAINAGE PIPE
76	LF	24" DRAINAGE PIPE
20	LF	15" CS PIPE CULVERTS, 0.064" THICK
2	EA	**" CS PIPE ELBOWS, *****" THICK (15", 0.064")
200	CY	SHALLOW UNDERCUT
400	TON	CLASS IV SUBGRADE STABILIZATION
50	TON	INCIDENTAL STONE BASE
325	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
250	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
32	TON	ASPHALT BINDER FOR PLANT MIX
50	CY	SUBDRAIN EXCAVATION
40	CY	SUBDRAIN FINE AGGREGATE
200	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
1	LF	6" OUTLET PIPE
3	EA	MASONRY DRAINAGE STRUCTURES
1	LF	MASONRY DRAINAGE STRUCTURES
3	EA	FRAME WITH TWO GRATES, STD 840.29
55	LF	SHOULDER BERM GUTTER
150	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
4	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
75	LF	WOVEN WIRE FENCE, **" FABRIC (36")
4	EA	4" TIMBER FENCE POSTS, 7'-6" LONG
7	EA	5" TIMBER FENCE POSTS, 8'-0" LONG
75	LF	ADDITIONAL BARBED WIRE
260	LF	** STRAND BARBED WIRE FENCE WITH POSTS (3)
255	LF	GENERIC FENCING ITEM 48" WOODEN RAIL FENCE
1	TON	RIP RAP, CLASS B
830	SY	GEOTEXTILE FOR DRAINAGE
447	SF	WORK ZONE SIGNS (STATIONARY)
144	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
96	LF	BARRICADES (TYPE III)
5,000	LF	PAINT PAVEMENT MARKING LINES (4")
250	LF	TEMPORARY SILT FENCE
160	TON	STONE FOR EROSION CONTROL, CLASS A
110	TON	STONE FOR EROSION CONTROL, CLASS B
205	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
1.25	TON	FERTILIZER FOR TEMPORARY SEEDING
250	LF	TEMPORARY SLOPE DRAINS
300	LF	SAFETY FENCE
290	CY	SILT EXCAVATION
2,000	SY	MATTING FOR EROSION CONTROL
60	SY	COIR FIBER MAT
150	LF	1/4" HARDWARE CLOTH
8	EA	SPECIAL STILLING BASINS
180	LF	WATTLE
25	LB	POLYACRYLAMIDE (PAM)
120	LF	COIR FIBER BAFFLE
4	EA	**" SKIMMER (1-1/2")
1.5	ACR	SEEDING & MULCHING
0.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.75	TON	FERTILIZER TOPDRESSING
30	MHR	SPECIALIZED HAND MOWING
18	EA	RESPONSE FOR EROSION CONTROL

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (19+82.53-L-)
182.5	LF	3'-0" DIA DRILLED PIERS IN SOIL
47	LF	3'-0" DIA DRILLED PIERS NOT IN SOIL
106.5	LF	PERMANENT STEEL CASING FOR 3'-0" DIA DRILLED PIER
2	EA	SID INSPECTIONS
2	EA	SPT TESTING
1	EA	CSL TESTING
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ******** (19+82.53-L-)
78.3	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (19+82.53-L-)
30,514	LB	REINFORCING STEEL (BRIDGE)
4,868	LB	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)
755	LF	HP12X53 STEEL PILES
270.75	LF	VERTICAL CONCRETE BARRIER RAIL
140	TON	RIP RAP CLASS II (2'-0" THICK)
155	SY	GEOTEXTILE FOR DRAINAGE
Lump Sum	LS	ELASTOMERIC BEARINGS
825	LF	3'-0" X 1'-9" PRESTRESSED CONC CORED SLABS
660	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID L120221 021

CONTRACT ID : C202025 37734.3.1 DIV OFFICE SHELBY LENGTH = 0.924 MI

COUNTY : LINCOLN

GRADING, DRAINAGE, CURB & GUTTER AND PAVING.

DBE GOAL 9.0% COMPLETION DATE : NOV 28 2013

NC-27 FROM EAST OF NC-150 TO SR-1354 (ASBURY RD).

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	CONSTRUCTION SURVEYING
Lump Sum	LS	GRADING
1	ACR	SUPPLEMENTARY CLEARING & GRUB-BING
100	CY	UNDERCUT EXCAVATION
100	CY	DRAINAGE DITCH EXCAVATION
120	LF	BERM DITCH CONSTRUCTION
500	TON	SELECT MATERIAL, CLASS ***** (VII)
630	TON	FOUNDATION CONDITIONING MATE-RIAL, MINOR STRUCTURES
1,980	SY	FOUNDATION CONDITIONING GEO-TEXTILE
3,176	LF	15" DRAINAGE PIPE
1,040	LF	18" DRAINAGE PIPE
828	LF	24" DRAINAGE PIPE
320	LF	30" DRAINAGE PIPE
328	LF	36" DRAINAGE PIPE
120	LF	***" RC PIPE CULVERTS, CLASS ***** (96", III)
152	LF	54" RC PIPE CULVERTS, CLASS III
36	LF	60" RC PIPE CULVERTS, CLASS III
128	LF	66" RC PIPE CULVERTS, CLASS III
935	LF	PIPE REMOVAL
15	TON	#57 STONE
2,896	TON	AGGREGATE BASE COURSE
1,200	TON	INCIDENTAL STONE BASE
238	GAL	PRIME COAT
1,600	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1-1/2")
500	SY	MILLING ASPHALT PAVEMENT, ***" TO ******" (0" TO 1-1/2")
2,960	TON	ASPHALT CONC BASE COURSE, TYPE B25.0C
1,490	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C
60	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
2,260	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
340	TON	ASPHALT BINDER FOR PLANT MIX
180	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
10	TON	PATCHING EXISTING PAVEMENT
26.4	CY	REINFORCED ENDWALLS
45	CY	FLOWABLE FILL
74	EA	MASONRY DRAINAGE STRUCTURES
114	CY	MASONRY DRAINAGE STRUCTURES
33.1	LF	MASONRY DRAINAGE STRUCTURES
25	EA	FRAME WITH TWO GRATES, STD 840.16
5	EA	FRAME WITH TWO GRATES, STD 840.22
1	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)
21	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)
20	EA	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)
1	EA	FRAME WITH COVER, STD 840.54
60	LF	FRAME WITH GRATES, DRIVEWAY DROP INLET
8,090	LF	2'-6" CONCRETE CURB & GUTTER
880	SY	6" CONCRETE DRIVEWAY
11	SY	4" CONCRETE PAVED DITCH
1	EA	CONVERT EXISTING DROP INLET TO JUNCTION BOX
100	LF	STEEL BM GUARDRAIL
5	EA	ADDITIONAL GUARDRAIL POSTS
2	EA	GUARDRAIL ANCHOR UNITS, TYPE 350
35	TON	RIP RAP, CLASS I
627	TON	RIP RAP, CLASS II
131	TON	RIP RAP, CLASS B
200	TON	BOULDERS
730	SY	GEOTEXTILE FOR DRAINAGE
1	EA	PREFORMED SCOUR HOLES WITH LEVEL SPREADER APRON
865	SF	WORK ZONE SIGNS (STATIONARY)
96	SF	WORK ZONE SIGNS (PORTABLE)
90	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
300	EA	DRUMS
64	LF	BARRICADES (TYPE III)
100	DAY	FLAGGER
10	EA	TEMPORARY RAISED PAVEMENT MARKERS
500	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
12,177	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
50	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)
72	LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)
30	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
2,000	LF	PAINT PAVEMENT MARKING LINES (4")
140	EA	SNOWPLOWABLE PAVEMENT MARKERS
5,165	LF	TEMPORARY SILT FENCE
21	TON	STONE FOR EROSION CONTROL, CLASS A
500	TON	STONE FOR EROSION CONTROL, CLASS B
462	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
30	LB	SEED FOR TEMPORARY SEEDING
1	TON	FERTILIZER FOR TEMPORARY SEED-ING
70	LF	TEMPORARY SLOPE DRAINS
100	LF	SAFETY FENCE
1,100	CY	SILT EXCAVATION
400	SY	MATTING FOR EROSION CONTROL
100	SY	COIR FIBER MAT
30	SY	PERMANENT SOIL REINFORCEMENT MAT
2,000	LF	1/4" HARDWARE CLOTH
150	LF	**" TEMPORARY PIPE (18")
1	EA	SPECIAL STILLING BASINS
150	LF	WATTLE
375	LF	COIR FIBER BAFFLE
5	EA	**" SKIMMER (1-1/2")
3	ACR	SEEDING & MULCHING
400	LF	IMPERVIOUS DIKE
20	MHR	SPECIALIZED HAND MOWING
28	EA	RESPONSE FOR EROSION CONTROL
Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (30+80 -L-)

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID **L120221 022**

CONTRACT ID : C202807 45438.3.23 DIV OFFICE SHELBY LENGTH = 0.000 MI

COUNTY : GASTON

BRIDGE PRESERVATION.

DBE GOAL 0.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGE # 22 OVER DUKE POWER FEEDER ON NC-273.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
739	SF	WORK ZONE SIGNS (STATIONARY)
787	SF	WORK ZONE SIGNS (PORTABLE)
200	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
20	EA	DRUMS
20	EA	CONES
144	LF	BARRICADES (TYPE III)
2,940	HR	FLAGGER
150	HR	LAW ENFORCEMENT
28	EA	SKINNY DRUM
1	EA	GENERIC TRAFFIC CONTROL ITEM AFAD
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEAN AND REPAINT OF BRIDGE # 22
Lump Sum	LS	GENERIC STRUCTURE ITEM POLLUTION CONTROL
Lump Sum	LS	GENERIC STRUCTURE ITEM UNDER STRUCTURE WORK PLATFORM
285	LF	GENERIC STRUCTURE ITEM LOCALIZED CLEANING AND SEALING
1,737	LB	GENERIC STRUCTURE ITEM STRUCTURAL STEEL REPAIR, APPROX. LBS
1,379	EA	GENERIC STRUCTURE ITEM BOLT REMOVAL AND REPLACEMENT
4	EA	GENERIC STRUCTURE ITEM JACKING AND ADJUSTMENT OF BEARINGS
1,300	EA	GENERIC STRUCTURE ITEM REMOVAL OF TACK WELDS

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID **L120221 023**

CONTRACT ID : C202912 17BP.13.P.1 DIV OFFICE ASHEVILE LENGTH = 0.000 MI

COUNTY : BUNCOMBE

BRIDGE PERSERVATION.

MBE GOAL 0.0% WBE 0.0% COMPLETION DATE : SEE SPECIAL PROVISIONS

BRIDGES #322 & #323 ON I-240.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
224	SF	WORK ZONE SIGNS (PORTABLE)
2	EA	FLASHING ARROW BOARD
1	EA	PORTABLE CHANGEABLE MESSAGE SIGN
225	EA	DRUMS
40	EA	CONES
480	HR	FLAGGER
1	EA	TMA
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND REPAINTING OF BRIDGE #322
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING AND REPAINTING OF BRIDGE #323
Lump Sum	LS	GENERIC STRUCTURE ITEM POLLUTION CONTROL
Lump Sum	LS	GENERIC STRUCTURE ITEM UNDER STRUCTURE WORK PLATFORM

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 024

CONTRACT ID : C202781 17BP.13.R.106 DIV OFFICE ASHEVILE LENGTH = 0.083 MI

COUNTY : YANCEY

GRADING, DRAINAGE, PAVING, AND STRUCTURE.

MBE GOAL 3.0% WBE 5.0% COMPLETION DATE : FEB 10 2013

BRIDGE #31 OVER BRUSH CREEK AND ON SR-1308.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
1	ACR	SUPPLEMENTARY CLEARING & GRUBBING
Lump Sum	LS	BRIDGE APPROACH FILL - SUB REGIONAL TIER, STATION ******* (22+85.00)
Lump Sum	LS	GRADING
200	CY	UNDERCUT EXCAVATION
110	CY	DRAINAGE DITCH EXCAVATION
100	CY	SELECT GRANULAR MATERIAL
200	SY	GEOTEXTILE FOR SOIL STABILIZATION
10	TON	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES
30	SY	FOUNDATION CONDITIONING GEOTEXTILE
24	LF	18" DRAINAGE PIPE
40	LF	**" CS PIPE CULVERTS, *****" THICK (84", 0.168")
40	LF	PIPE REMOVAL
100	CY	SHALLOW UNDERCUT
100	TON	CLASS IV SUBGRADE STABILIZATION
50	TON	INCIDENTAL STONE BASE
475	TON	ASPHALT CONC BASE COURSE, TYPE B25.0B
260	TON	ASPHALT CONC SURFACE COURSE, TYPE SF9.5A
40	TON	ASPHALT BINDER FOR PLANT MIX
25	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
27	EA	RIGHT OF WAY MARKERS
22.4	CY	SUBDRAIN EXCAVATION
16.8	CY	SUBDRAIN FINE AGGREGATE
100	LF	6" PERFORATED SUBDRAIN PIPE
1	EA	SUBDRAIN PIPE OUTLET
6	LF	6" OUTLET PIPE
8	CY	REINFORCED ENDWALLS
2	EA	MASONRY DRAINAGE STRUCTURES
1	EA	FRAME WITH GRATE, STD 840.24
1	EA	FRAME WITH GRATE, STD 840.29
20	LF	SHOULDER BERM GUTTER
1	EA	MODIFIED CONCRETE FLUME
170	LF	CONCRETE EXPRESSWAY GUTTER
125	LF	STEEL BM GUARDRAIL
60	LF	STEEL BM GUARDRAIL, SHOP CURVED
5	EA	ADDITIONAL GUARDRAIL POSTS
4	EA	GUARDRAIL ANCHOR UNITS, TYPE ********** (350 TL-2)
2	EA	GUARDRAIL ANCHOR UNITS, TYPE AT-1
4	EA	GUARDRAIL ANCHOR UNITS, TYPE III
30	TON	RIP RAP, CLASS I
680	SY	GEOTEXTILE FOR DRAINAGE
4	LF	SUPPORTS, 3-LB STEEL U-CHANNEL
1	EA	SIGN ERECTION, TYPE E
7	EA	DISPOSAL OF SIGN SYSTEM, U-CHANNEL
898	SF	WORK ZONE SIGNS (STATIONARY)
192	SF	WORK ZONE SIGNS (PORTABLE)
172	SF	WORK ZONE SIGNS (BARRICADE MOUNTED)
96	LF	BARRICADES (TYPE III)
100	EA	TEMPORARY RAISED PAVEMENT MARKERS
4,000	LF	PAINT PAVEMENT MARKING LINES (4")
1,300	LF	TEMPORARY SILT FENCE
290	TON	STONE FOR EROSION CONTROL, CLASS A
110	TON	STONE FOR EROSION CONTROL, CLASS B
100	TON	SEDIMENT CONTROL STONE
1	ACR	TEMPORARY MULCHING
50	LB	SEED FOR TEMPORARY SEEDING
0.25	TON	FERTILIZER FOR TEMPORARY SEEDING
200	LF	TEMPORARY SLOPE DRAINS
900	LF	SAFETY FENCE
100	CY	SILT EXCAVATION
3,000	SY	MATTING FOR EROSION CONTROL
135	SY	PERMANENT SOIL REINFORCEMENT MAT
350	LF	1/4" HARDWARE CLOTH
50	SY	FLOATING TURBIDITY CURTAIN
20	LB	POLYACRYLAMIDE (PAM)
1.5	ACR	SEEDING & MULCHING
0.5	ACR	MOWING
50	LB	SEED FOR REPAIR SEEDING
0.25	TON	FERTILIZER FOR REPAIR SEEDING
50	LB	SEED FOR SUPPLEMENTAL SEEDING
0.5	TON	FERTILIZER TOPDRESSING
10	MHR	SPECIALIZED HAND MOWING
16	EA	RESPONSE FOR EROSION CONTROL
0.1	ACR	REFORESTATION

STRUCTURE ITEMS

Lump Sum	LS	REMOVAL OF EXISTING STRUCTURE AT STATION ********** (22+86.00-L-)
80	LF	PILE EXCAVATION IN SOIL
30	LF	PILE EXCAVATION NOT IN SOIL
Lump Sum	LS	UNCLASSIFIED STRUCTURE EXCAVATION AT STATION ******** (22+86.00-L-)
40.2	CY	CLASS A CONCRETE (BRIDGE)
Lump Sum	LS	BRIDGE APPROACH SLABS, STATION ********** (22+86.00-L-)
5,646	LB	REINFORCING STEEL (BRIDGE)
150	LF	HP12X53 STEEL PILES
120	LF	VERTICAL CONCRETE BARRIER RAIL
Lump Sum	LS	ELASTOMERIC BEARINGS
600	LF	3'-0" X 2'-0" PRESTRESSED CONC CORED SLABS
1,220	SF	GENERIC STRUCTURE ITEM 18" STEEL SHEET PILES

FEDERAL AID PROPOSAL, CONTRACTOR LICENSE NOT REQUIRED TO BID **L120221 025**

CONTRACT ID : C202917 47066.3.2 DIV OFFICE SYLVA LENGTH = 0.000 MI

COUNTY : MITCHELL

BRIDGE PRESERVATION.

DBE GOAL 0.0% COMPLETION DATE : AUG 31 2012

BRIDGE #16 ON US-19E OVER CLINCHFIELD RR & NORTH TOE RIVER.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
Lump Sum	LS	TEMPORARY TRAFFIC CONTROL
200	LB	REINFORCING STEEL (BRIDGE)
Lump Sum	LS	ELASTOMERIC BEARINGS
24	CF	CONCRETE REPAIRS
128	CF	SHOTCRETE REPAIRS
28	LF	EPOXY RESIN INJECTION
Lump Sum	LS	GENERIC STRUCTURE ITEM BRIDGE JACKING
Lump Sum	LS	GENERIC STRUCTURE ITEM CLEANING & REPAINTING OF BRIDGE #16
Lump Sum	LS	GENERIC STRUCTURE ITEM FOAM JOINT SEALS (AT BENTS 3 & 6)
Lump Sum	LS	GENERIC STRUCTURE ITEM FOAM JOINT SEALS (AT END BENTS 1 & 2)
Lump Sum	LS	GENERIC STRUCTURE ITEM POLLUTION CONTROL
Lump Sum	LS	GENERIC STRUCTURE ITEM UNDER STRUCTURE WORK PLATFORM
47,000	LB	GENERIC STRUCTURE ITEM STRUCTURAL STEEL REPAIR

STATE FUNDED PROPOSAL, CONTRACTOR LICENSE REQUIRED TO BID L120221 026

CONTRACT ID : C202931 14CR.10451.5 DIV OFFICE SYLVA LENGTH = 15.460 MI

COUNTY : HENDERSON

MILLING, RESURFACING, ULTRATHIN, & SHOULDER RECONSTRUCTION.

MBE GOAL 2.0% WBE 3.0% COMPLETION DATE : OCT 19 2012

US-25 FROM SOUTH CAROLINA STATE LINE TO SR-1858, AND 3 SECTIONS OF SECONDARY ROADS.

ROADWAY ITEMS

Lump Sum	LS	MOBILIZATION
19.32	SMI	SHOULDER RECONSTRUCTION
54,442	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (1/2")
163,328	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (2")
48,353	SY	MILLING ASPHALT PAVEMENT, ***" DEPTH (3")
8,270	TON	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B
11,422	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5B
14,642	TON	ASPHALT CONC SURFACE COURSE, TYPE S9.5C
1,946	TON	ASPHALT BINDER FOR PLANT MIX
122,496	LF	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
1	EA	ADJUSTMENT OF DROP INLETS
6	EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES
192	SF	WORK ZONE SIGNS (STATIONARY)
256	SF	WORK ZONE SIGNS (PORTABLE)
2	EA	FLASHING ARROW BOARD
2	EA	PORTABLE CHANGEABLE MESSAGE SIGN
80	EA	DRUMS
2	EA	TMA
525	EA	SKINNY DRUM
124,816	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)
15,312	LF	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)
4,640	LF	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)
9	EA	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)
411,907	LF	PAINT PAVEMENT MARKING LINES (4")
60	LF	PAINT PAVEMENT MARKING LINES (8")
240	LF	PAINT PAVEMENT MARKING LINES (16")
770	LF	PAINT PAVEMENT MARKING LINES (24")
42	EA	PAINT PAVEMENT MARKING CHARAC-TER
30	EA	PAINT PAVEMENT MARKING SYMBOL
1,480	EA	SNOWPLOWABLE PAVEMENT MARKERS

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

532	TON	POLYMER MODIFIED ASPHALT BIN-DER FOR PLANT MIX
8,726	TON	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED

*** OR ***

446	TON	POLYMER MODIFIED ASPHALT BIN-DER FOR PLANT MIX
8,726	TON	ULTRA-THIN BONDED WEARING COURSE
235,196	SY	APPLICATION OF ULTRATHIN HOT MIX ASPHALT

*** END SCHEDULE AA ***