



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

December 15, 2004

Addendum No. 1

RE: Contract ID: C201362
WBS # 39695
Moore County
NC 24/27 from West of NC-22
to East of NC-705

December 21, 2004 Letting

To Whom It May Concern:

Reference is made to the sketch maps and proposal form furnished to you on the above-mentioned project.

The following revision has been made to the sketch maps:

On Sheet No. 1, the location of Bridge #42 and Culverts #1, #2 and #3 have been noted. Please void Sheet No. 1 in your sketch maps and staple the revised Sheet No. 1 thereto.

On Sheet No. 2, the Typical Section No. 1 has been revised and a Note added. Please void Sheet No. 2 in your sketch maps and staple the revised Sheet No. 2 thereto.

Sheet No. 2-A through 2-F, and Sheet No. 5 have been added to include guardrail details and a guardrail summary sheet.

The following revisions have been made to the proposal forms:

On Page No. 2, a revision has been made to the project special provision entitled "Specialty Items" to include guardrail items.

New Page Nos. 45-B through 45-D are being added to include various guardrail item project special provisions. Please staple the New Page Nos. 45-B through 45-D after Page No. 45A in your proposal.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT SERVICES UNIT
1591 MAIL SERVICE CENTER
RALEIGH NC 27699-1591

TELEPHONE: 919-250-4128
FAX: 919-250-4119

WEBSITE: WWW.DOH.DOT.STATE.NC.US

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

Page No. 46 has been revised to include the project special provision entitled "25' Clear Span Guardrail Section". Please void Page No. 46 in your proposal and staple the revised Page No. 46 thereto.

On Page No. 1 and Page No. 2 of the item sheets, by copy of this addendum the following new pay items are hereby added to the end of the Roadway pay items:

<u>ITEM</u>		<u>QUANTITY</u>
16-3030000000-E-862	Steel BM Guardrail	375 LF
17-3150000000-N-862	Additional Guardrail Posts	5 EA
18-3180000000-N-862	Guardrail Anchor Units, Type III Mod	4 EA
19-3270000000-N-SP	Guardrail Anchor Units, Type 350	16 EA
20-3435000000-N-SP	25' Clear Span Guardrail Section	4 EA

The Contractor's bid price must include these new pay item quantities. The contract will be prepared accordingly.

The Expedite file has been updated to reflect these revisions. Please download the Expedite addendum file and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

Sincerely,



R. A. Garris, PE
Contract Officer

RAG/jag/blj

Attachments

cc: Mr. W. S. Varnedoe, PE.
Mr. S. D. DeWitt, PE
Mr. T. Johnson, PE
Mrs. D. M. Barbour, PE
Mr. Art McMillan, PE
Mr. J. V. Barbour, PE
Mr. Mark Staley (2)
Mr. Aydren Flowers
Mr. R. E. Davenport, Jr., PE
Ms. Marsha Byrd
Ms. Taylor Mishoe
Project File (2)

RAILROAD GRADE CROSSING:

7-1-95

The Contractor's attention is directed to the fact that should the use of slow moving or stopped equipment be required at railroad grade crossings, notify the railroad's local representative of their anticipated time of work at the grade crossing at least 48 hours prior to performing work in that grade crossing location.

RG12

MAJOR CONTRACT ITEMS:

2-19-02_C

The following listed items are the major contract items for this contract (See Articles 101-54 and 104-5 of the Standard Specifications):

<u>Item #</u>	<u>Description</u>
7	Asphalt Concrete Base Course, Type B25.0C
8	Asphalt Concrete Surface Course, Type S9.5C

RG15

SPECIALTY ITEMS:

7-1-95_C

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

<u>Line #</u>	<u>Description</u>
11 thru 12	Thermoplastic Pavement Markings
14	Pavement Markers
15	Seeding and Mulching
16 thru 20	Guardrail Items

RG18

POSTED WEIGHT LIMITS:

7-1-95

The Contractor's attention is directed to the fact that many Primary and Secondary Roads and bridges are posted with weight limits less than the legal limit. Do not exceed the posted weight limits in transporting materials and/or equipment to the projects, unless otherwise indicated below. Make a thorough examination of all projects and haul routes and be prepared to discuss them at the Preconstruction Conference.

RG24

This work is defined as "Shoulder Construction" and the quantity of such work to be paid for will be the actual number of shoulder miles which have been constructed. Measurement will be made along the surface of each shoulder and to the nearest 0.01 of a mile.

The quantity of shoulder construction measured as provided above, will be paid for at the contract unit price per shoulder mile for "Shoulder Construction".

Incidental stone will be paid for as provided in Article 545-6 of the Standard Specifications.

Seeding and mulching will be paid for as provided elsewhere in this contract.

Such price and payment will be full compensation for furnishing earth material, hauling, placing, compaction, and all incidentals necessary to complete construction of the shoulders.

Payment will be made under:

Shoulder Construction.....Shoulder Mile	RR04
<u>GUARDRAIL POSTS AND OFFSET BLOCKS:</u>	06-22-04

Revise the 2002 Standard Specifications as follows:

Page 10-69, Subarticle 1046-3

Delete this sub-article in its entirety and replace with the following:

1046-3 POSTS AND OFFSET BLOCKS.

(A) General:

The Contractor may at his option furnish either of the following types of steel guardrail posts. Only one type of post will be permitted at any one continuous installation. Use structural steel posts throughout the project, unless otherwise directed or detailed in the plans.

1. Steel W6 x 8.5 or W6 x 9.0 posts
2. Steel 4.5" x 6.0" "C" shape posts (C150 x 12.2 kg/m)

The Contractor may at his option furnish either of the following types of treated timber posts if specifically directed or detailed in the plans. Only one type of post will be permitted at any one continuous installation.

1. Timber 6" x 8" (152 mm x 203 mm) posts.
2. Timber 8" x 8" (203 mm x 203 mm) posts.

(B) Structural Steel Posts:

Fabricate steel posts for guardrail of the size and weight shown on the plans from structural steel complying with the requirements of Section 1072. Metal from which C shape posts are fabricated shall meet the requirements of ASTM A570 for any grade of steel, except that mechanical requirements shall meet the requirements of ASTM A36. Punch or drill the holes for connecting bolts. Burning will not be permitted. After fabrication, the posts shall be galvanized in accordance with Section 1076.

(C) Treated Timber Posts:

Timber guardrail posts shall be of treated southern pine meeting the requirements of Article 1082-2 and 1082-3.

Bore bolt holes to a driving fit for the bolts. A minus tolerance of 1 percent will be allowed in the length of the post. Perform all framing and boring before the posts receive preservative treatment.

(D) Offset Blocks:

Provide 8-inch deep recycled plastic or composite offset blocks that have been approved for use with the guardrail shown in the standard drawings and/or plans. Only one type of offset block will be permitted at any one continuous installation. Prior to beginning the installation of recycled offset block, submit the FHWA acceptance letter for each type of block to the Engineer for approval.

Treated timber offset blocks with steel beam guardrail will not be allowed unless required by Specifications, directed by the Engineer or detailed in the plans. Steel offset blocks with steel beam guardrail will not be allowed.

Recycled plastic or composite offset blocks shall be made from no less than 50% recycled plastic or composite, and shall meet the following minimum requirements:

- Specific Gravity:0.950
- Compressive Strength in Lateral Direction:1600 psi (11 MPa)
- Maximum Water Absorption:10% by weight
- Maximum Termite and Ant Infestation:10%
- Testing.....Shall pass NCHRP Report 350,
Test Level 3 by CRASH TESTING

Revise the *2002 Standard Roadway Drawings* as follows:

Sheet 4 of 6, Standard 862.03, delete the note and substitute the following:

Note: The midpost and offset block of the WTR section will require special bolt hole drilling in the thrie beam offset block and line post.

GUARDRAIL ANCHOR UNITS, TYPE 350:

04-20-04

DESCRIPTION

Furnish and install guardrail anchor units in accordance with the details in the plans, the applicable requirements of Section 862 of the Standard Specifications, and at locations shown in the plans.

MATERIALS

The Contractor may at his option, furnish any one of the guardrail anchor units.

Guardrail anchor unit (ET-2000) as manufactured by:

TRINITY INDUSTRIES, INC.
2525 N. STEMMONS FREEWAY
DALLAS, TEXAS 75207
TELEPHONE: 1-800-644-7976

The guardrail anchor unit (SKT 350) as manufactured by:

ROAD SYSTEMS, INC.
3616 OLD HOWARD COUNTY AIRPORT
BIG SPRING, TEXAS 79720
TELEPHONE: (915) 263-2435

Prior to installation the Contractor shall submit to the Engineer:

1. FHWA acceptance letter for each guardrail anchor unit certifying it meets the requirements of NCHRP Report 350, Test Level 3, in accordance with Section 106-2 of the Standard Specifications.
2. Certified working drawings and assembling instructions from the manufacturer for each guardrail anchor unit in accordance with Section 105-2 of the Specifications.

No modifications shall be made to the guardrail anchor unit without the express written permission from the manufacturer. Perform installation in accordance with the details in the plans, and details and assembling instructions furnished by the manufacturer.

CONSTRUCTION

Guardrail end delineation is required on all approach and trailing end sections for both temporary and permanent installations. Guardrail end delineation consists of yellow reflective sheeting applied to the entire end section of the guardrail in accordance with Section 1088-3 of the Standard Specifications and is incidental to the cost of the guardrail anchor unit.

MEASUREMENT AND PAYMENT

Measurement and payment will be made in accordance with Articles 862.5 and 862-6 of the Standard Specifications.

Payment will be made under:

Guardrail Anchor Units, Type 350Each

SP8R65

25' CLEAR SPAN GUARDRAIL SECTION:

Description:

The 25' Clear Span Guardrail Sections shall be constructed in accordance with Section 862 of the Standard Specifications, the detail in the plans and as directed by the Engineer.

Method of Measurement:

The quantity of 25' Clear Span Guardrail Sections to be paid for shall be the actual number of 25' Clear Span Guardrail Sections which have been completed and accepted.

Basis of Payment:

The quantity of 25' Clear Span Guardrail Sections, measured as provided for above, shall be paid for at the contract unit price each for "25' Clear Span Guardrail Section."