



COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION

1401 EAST BROAD STREET
RICHMOND, VIRGINIA 23219-2000

Gregory A. Whirley

Commissioner

September 5, 2012

Order No.: A97
Route: Various
Project: (NFO)TS05-965-102,N501
FHWA: NH-PM00(249)
District: Hampton Roads
County: Various
Bids: September 26, 2012

To Holders of Bid Proposals:

Please make the following changes in your copy of the bid proposal for the captioned project:

BID PROPOSAL

Substitute Cover as the Date of Bid Submission has been revised from August 22, 2012 to September 26, 2012.

Substitute Form C-7 as the Date of Bid Submission has been revised from August 22, 2012 to September 26, 2012.

Substitute Table of Contents For Provisions as Special Provision Copied Notes Section 510 – Relocating or Modifying Existing Miscellaneous Items; Special Provision Section 505 - Guardrail and Steel Median Barriers; Special Provision Verification of Utilities With Regard To Guardrail Installation; and Special Provision Roadside Development and Erosion Control have been added.

Add page 242 as Special Provision Copied Notes Section 510 – Relocating or Modifying Existing Miscellaneous Items Dated: 6-26-12 has been added.

Add pages 243 through 246 as Special Provision Section 505 - Guardrail and Steel Median Barriers Dated: 6-26-12 has been added.

Add pages 247 through 248 as Special Provision Verification of Utilities With Regard To Guardrail Installation Dated: 1-27-12 has been added.

Order No.: A97
September 5, 2012

Add pages 249 through 250 as Special Provision Roadside Development and Erosion Control
Dated: 6-1-12 has been added.

Don E. Silies
State Contract Officer
Assistant Division Administrator, Scheduling and Contract Division

JDRN
Enclosures

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

Form C-6a
Rev. 3-22-05

CNSP (F) 1-9-06

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
BID PROPOSAL AND CONTRACT**

ROUTE NUMBER: VARIOUS

FHWA NUMBER:: NH-PM00(249)

PROJECT NUMBER: (NFO)TS05-965-102,N501

COUNTY: VARIOUS

DISTRICT: Hampton Roads



DESCRIPTION: GUARDRAIL IMPROVEMENTS

LOCATION: VARIOUS

DATE BID SUBMITTED: 10:00 AM WEDNESDAY SEPTEMBER 26, 2012

**ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01**

Form C-7
Rev. 1-19-12
SHEET 1 of 4

**TERMS OF THE PROPOSAL\CONTRACT
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
SUBMITTED: 10:00 AM WEDNESDAY SEPTEMBER 26, 2012**

PROJECT NUMBER: (NFO)TS05-965-102,N501
ROUTE NUMBER: VARIOUS
FHWA NUMBER: NH-PM00(249)
DESCRIPTION: GUARDRAIL IMPROVEMENTS
LOCATION: VARIOUS

DISTRICT: Hampton Roads COUNTY: VARIOUS

I/we declare that no other person, firm or corporation is interested in this proposal; that I/we have carefully examined the plans, job specifications, current Road and Bridge specifications, and all other documents pertaining thereto and thoroughly understand the contents thereof; that I/we meet the prequalification requirements for bidding on this proposal; that I/we understand that the plans and current Road and Bridge specifications, are a part of this proposal; that all of the quantities shown herewith are a part of this proposal; that all the quantities shown herewith are approximate only; that I/we have examined the location of the proposed work and source of supply of materials; and that I/we agree to bind myself/ourselves upon award by the Commonwealth under this proposal to a contract with necessary surety bond to start work according to project specifications, and to complete all work in accordance with the plans, job specifications and current Road and Bridge Specifications within the time limit set forth in the contract.

OCTOBER 31, 2013

BID TOTAL \$ _____

Attached is a bond conforming to the requirements of the current Road and Bridge Specifications, it being understood that such bond is to be forfeited as liquidated damages if, upon acceptance of the terms of this proposal, I/we fail to execute the contract and furnish bond as provided in the current Road and Bridge Specifications.

(Names of Individual(S),Firm(S) Or Corporation)

Street Address City State Zip Code Vendor#/Fin#

Print Name Signature Title

In consideration of the commitments made as shown herein, the Commonwealth of Virginia by The Commonwealth Transportation Commissioner agrees to pay for all items of work performed and materials furnished at the unit price(s) and under the conditions set forth in this proposal, in witnessed by the affixing of the name below.

Contract Execution Date _____ By _____

CHIEF ENGINEER
VIRGINIA DEPARTMENT OF TRANSPORTATION

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

TABLE OF CONTENTS FOR PROVISIONS

FORMS and SCHEDULE OF ITEMS PRECEDE SPCNs, SPs and SUPPLEMENTAL SPECS.

(c100ai03) GENERAL PROJECT REQUIREMENTS, SSs, SPs, & SPCNs	12-1-11 (SPCN)	1
(c105hf1) SECTION 105.06 SUBCONTRACTING	12-19-08 (SPCN)	1
(c106fp0) SEC. 106.03(b) SOURCES FURNISH. BY CONTRACTOR	1-14-08 (SPCN)	2
(c108mm1) SECTION 108.01—PROSECUTION OF WORK	8-17-10 (SPCN)	2
(c305c00) SHOULDER RESTORATION	10-29-10 (SPCN)	2
SF001AF - PREDETERMINED MINIMUM WAGE RATES VA12	Re. 6-1-12	3
SF001AF - PREDETERMINED MINIMUM WAGE RATES VA13	Re. 6-1-12	6
SF001AF - PREDETERMINED MINIMUM WAGE RATES VA14	Re. 6-1-12	9
SF010DF - FHWA 1273—REQ. CONTRACT PROVISIONS, FED-AID CONST.	5-1-12	13
SF030AF - NOTICE OF REQUIRE. FOR AFFIRM. ACT. TO ENSURE EEO	Re. 7-08	34
S100B00 - PROJECT COMMUNICATION AND DECISION MAKING	Re. 7-08	40
S102CF1 - USE OF DOMESTIC MATERIAL	2-26-09	44
S107G01 - C-45—SWPPP GEN. PERMIT—CONTRACTOR & SUB. CERTIF.	2-19-09	47
S107HF1 - SECTION 107.15	12-10-10	48
S108M00 - SCHEDULE OF OPERATIONS FOR CATEGORY M PROJECTS	5-12-08	68
S109D01 - PRICE ADJUSTMENT FOR STEEL	2-6-09	70
S109F00 - OPTIONAL ADJUSTMENT FOR FUEL	Re. 7-08c	79
S305EM0 - SHOULDER REHABILITATION & RESTORATION	7-12-10	81
S522B00 - INFORMAL PARTNERING	1-14-08	84
SS1D013 - SUPP. DIVISION I—GENERAL PROVISIONS	10-31-11	86
SS22101 - SUPP. SEC. 221—GUARDRAIL	1-6-12	97
SS51202 - SUPP. SEC. 512—MAINTAINING TRAFFIC	6-11-09	98
SS70003 - SUPP. SEC. 700—GENERAL	6-9-08	100
SECTION 510—RELOCATING OR MODIFYING EXISTING MISCELLANEOUS ITEMS		105
NO PLAN ASSEMBLY (136 PAGES)		106
SECTION 510 – RELOCATING OR MODIFYING EXISTING MISCELLANEOUS ITEMS	6-26-12	242
SECTION 505 — GUARDRAIL AND STEEL MEDIAN BARRIERS	6-26-12	243
VERIFICATION OF UTILITIES WITH REGARD TO GUARDRAIL INSTALLATION	1-27-12	247
ROADSIDE DEVELOPMENT AND EROSION CONTROL	6-1-12	249

**TOTAL SUMMARY OF QUANTITIES (ALL SCHEDULES)
 STATE PROJECT # TS05-965-102, N501**

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY
00134	TEST PIT EXCAVATION IN PAVED AREAS	EA.	50
00134	TEST PIT EXCAVATION IN NON-PAVED AREAS	EA.	150
13312	GUARDRAIL TERMINAL GR-7 (NCHRP 350)	EA.	12
13315	GUARDRAIL TERMINAL GR-11	EA.	53
13320	GUARDRAIL GR-2	L.F.	6,801
13322	GUARDRAIL GR-2 8' POST	L.F.	876
13345	ALT. BREAKAWAY CABLE TERM. (GR-9)	EA.	81
13349	GUARDRAIL TERMINAL SITE PREPARATION	EA.	66
13355	GUARDRAIL GR-10	L.F.	126
13392	FIXED OBJECT ATTACH. GR-FOA-2 TY. I	EA.	22
13393	FIXED OBJECT ATTACH. GR-FOA-2 TY. II	EA.	2
13400	GUARDRAIL: W-BEAM GUARDRAIL	L.F.	200
13401	HAND DIG AND INSTALL GUARDRAIL POST	EA.	50
13401	GUARDRAIL: SP. DESIGN BRDG. ATTACH. BR-GR-3 TYPE I	EA.	4
13401	GUARDRAIL: GUARDRAIL OFFSET BLOCK, WOOD OR COMPOSITE	EA.	50
13401	GUARDRAIL: GUARDRAIL POST 6'	EA.	50
16242	AGR. BASE MAT. TY. I OR II, NO 21A OR 21B	TON	732
24160	CONSTRUCTION SIGNS	SF	507
24272	TRUCK MOUNTED ATTENUATOR	HR	1,516
24278	GROUP 2 CHANNELIZING DEVICES	DAY	500
24279	PORT.CHANGEABLE MESS. SIGN	HR	50
24281	ELECTRONIC ARROW	HR	1,516
24282	FLAGGER SERVICE	HR	1,316
24600	REMOVE EXIST GUARDRAIL	L.F.	19,009
24611	RESET EXIST. GUARDRAIL	L.F.	19,036
24617	REUSE GUARDRAIL: GR-2	L.F.	7,366
24640	RECONSTRUCT EXIST.: SHOULDER RESTORATION	L.F.	3,357
27451	INLET PROTECTION, TYPE A	EA.	1
27505	TEMP. SILT FENCE	L.F.	4,230
27525	TURBIDITY CURTAIN, PERVIOUS	L.F.	100

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

SECTION 510 – RELOCATING OR MODIFYING EXISTING MISCELLANEOUS ITEMS of the specifications is amended as follows:

Section 510.03 Procedures is amended to include the following:

Remove Existing Guardrail shall require the disassembly and removal of guardrail w-beam, post, blockouts, and hardware, the backfilling of existing postholes, curbing, curb backup material or concrete, transporting and storing; repairing, relocating and installing salvaged beam; and installing guardrail post, blockouts, w-beam, delineators, concrete, and new hardware.

Reset Existing Guardrail shall require the removal and disassembly of the existing w-beam and blockouts, removing the post and backfilling the holes prior to reinstalling the post, and the reassembly of the blockouts and w-beam to the required height specified. In the event the existing post or blockouts are determined non-compliance with the standard drawings or specifications new post or blockouts will be required and will be measured and paid for separately.

Section 510.04 Measurement and Payment is amended to include the following:

Remove Existing Guardrail will be measured in units of linear feet and paid for in units of linear foot. The price bid shall include removal of guardrail beam, cable guardrail, post, blockouts, hardware, backfilling existing postholes, curbing, curb backup material or concrete. Connectors, end sections, guardrail terminal treatments, fixed object attachment, disposal and for all labor, materials, tools and equipment necessary to complete the work.

Reset Existing Guardrail will be measured in units of linear feet and paid for in units of linear foot. The price bid shall include removal of existing guardrail system ,including but not limited to the w-beam, cable guardrail, post, blockouts, hardware, backfilling existing postholes, Reinstalling the guardrail which shall include but not limited to w-beam or cable rail, posts, blockouts and hardware in approximately same vicinity any required bolts, nuts or washers shall be included in the price bid disposal and for all labor, materials, tools, equipment and incidentals necessary to complete the work.

Payment will be made under:

Pay Item	Pay Unit
Remove Existing Guardrail	Linear Foot
Reset Existing Guardrail	Linear Foot

6-26-12 SPCN

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

VIRGINIA DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION FOR
SECTION 505— GUARDRAIL AND STEEL MEDIAN BARRIERS

June 26, 2012

SECTION 505—GUARDRAIL AND STEEL MEDIAN BARRIERS of the Specifications is amended as follows:

SECTION 505.03 PROCEDURES of the Specifications is amended to include the following:

Prior to beginning the work in any given location the Contractor shall contact Miss Utility in accordance with the requirements of Section 107 of the Specifications. In addition to contacting Miss Utility, in areas of VDOT owned assets (i.e. traffic signals, lighting and sign structures, fiber optics, Intelligent Transportation, Traffic Management equipment, etc.) the Contractor shall notify the designated Department Representatives to have VDOT underground property marked a minimum seven work days prior to commencing work.

The Contractor shall maintain access to all entrance and exit ramps, private and public entrances at all times during prosecution of the work unless otherwise approved by the Engineer in writing.

The use of emergency or authorized crossovers on all routes shall not be allowed without written permission from the Department. If it is desired to use crossovers in a given area, the Contractor must request in writing, permission to use the crossovers, describe the location of each crossover and under what circumstances the crossovers shall be used during the life of the contract.

Pavement markings and rumble strips damaged by the Contractor during repair/construction operations, including but not limited to: shoulder restoration; site preparation; removing and/or installing guardrail, steel median barrier, fixed object attachments or impact attenuators shall be replaced or repaired by the Contractor at the Contractor's expense. No separate measurement or payment will be made for this work; all cost associated with this corrective work shall be included in the price of other items of work.

Prior to installing new or reusing existing salvaged Guardrail End Terminal units or Impact Attenuator units on the project, the Contractor shall furnish a copy of the Manufacturer's Installation Instructions to the Engineer for the type (and model) of guardrail terminal end treatment or Impact Attenuator being repaired. This documentation shall also include the FHWA NCHRP 350 approval letter.

The Contractor shall ensure all existing guardrail and terminal end treatments left in place are completely equipped according to the Standard Drawings or manufacturer's design drawings\installation guidelines, correctly installed and all bolts torqued properly and cables taut in accordance with manufacturer's recommendations.

All traffic control devices not needed in the work zone at the end of the work day shall be removed and stored in a location approved by the Engineer. Any material or equipment stored within the Department's Right-of-Way shall be kept out of the clear zone and the deflection area behind guardrail.

The Contractor shall field verify all materials and measurements required for installing Special Design Bridge Guardrail attachments prior to ordering materials.

The Contractor shall perform the work in accordance with the requirements of Section 505 of the Specifications, the *Road and Bridge Standards* and the Standard Drawings for "Recommended Method for Attaching Guardrail to Bridge Rails" (BR-GR). The Contractor may need to modify the method of attachment, with the approval of the Engineer, due to field conditions.

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

Salvaged and removed guardrail materials not used in the new construction shall become the property of the Contractor and shall be disposed of at a licensed landfill, recycled, or be retained by the Contractor. This shall include but not limited to all bolts, nuts, washers and miscellaneous hardware.

All unused or abandoned guardrail post holes shall be backfilled to existing ground level with approved material placed in layers not more than 4 inches in height. Each layer shall then be compacted by tamping. All unused or abandoned post holes in paved shoulder shall be backfilled and compacted with suitable soil to the level of earthen materials and then sealed with a fine asphalt plant mix no larger than SM -9.5A. No separate measurement or payment will be made for this work, all cost shall be included in other items of work.

Cracks in shoulders as a result of driving or removing guardrail posts shall be repaired at no additional cost to the Department. In soil or aggregate stabilized shoulders, cracks and voids around the posts shall be filled with like material and thoroughly compacted. In asphalt paved or surfaced treated shoulders, cracks and voids around posts shall be filled, compacted, and sealed with fine asphalt plant mix no larger than SM-9.5A. No separate measurement or payment will be made for this work, all cost shall be included in the cost of other items of work.

All existing guardrail to be removed shall start at the run off end of its installation and proceed to the run on end terminal, unless otherwise approved by the Engineer.

Guardrail installation shall start at the run on end terminal and proceed to the run off end, unless otherwise approved by the Engineer.

Where designated for replacement, the Contractor shall plan the work so that all guardrail that is removed during the course of the workday shall be replaced the same workday, unless otherwise approved by the Engineer. No uncompleted sections of guardrail shall be left over weekends or holidays, unless otherwise approved by the Engineer.

In the event the Contractor encounters a location where the standard length guardrail posts are insufficient to provide the functionality and installation criterion specified in the Road and Bridge Standards at the site of installation, the Contractor shall review the length of posts and the length of need for over-height posts with the Engineer prior to post installation. Upon written concurrence from the Engineer, the guardrail will be measured and paid for as "Guardrail (Standard) (length) post" with the size (length) of the over height post specified as "length". Guardrail installed with over-height posts, outside of those sites listed in the schedule or without the Engineer's written concurrence, will be paid for at the contract unit price for standard guardrail shown in the schedule for the location.

No fixed objects, which include but are not limited to bridge parapets, retaining walls, piers, blunt ends, sign structures, etc. shall be left unprotected overnight. The Contractor shall temporarily install a Department approved NCHRP 350 (approved) temporary guardrail terminal or impact attenuator service at that location to protect traffic from the fixed object before the end of each workday. No separate measurement or payment will be made for such temporary guardrail terminal or impact attenuator service, all costs associated with providing such protection shall be included in the cost of other items of work. Concrete spalls or holes that are left or created by the removal of existing fixed object attachments and or the attachment of new or salvaged (reused) fixed object attachments (FOA's) shall be repaired and/or filled. All costs for this work shall be included with the price for new or salvaged fixed object attachments.

The Engineer must preapprove all locations requiring the **drilling of holes** in concrete bridge railings and concrete fixed objects. The Contractor shall repair any spalling in the concrete due to the drilling of holes in concrete fixed objects or concrete bridge railings. Holes that are no longer required in existing concrete shall be patched with materials conforming to Section 218 of the Specifications, the cost of which shall be included in other items of work as specified or appropriate..

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

Removal of Guardrail Terminals, which include but is not limited to Standards GR-6, GR-7, GR-8 Anchor Systems, GR-9, and GR-11 including the portion of GR-6 Terminal embedded in earth and anchor blocks will be included in the pay item "Remove Existing Guardrail"

When existing Guardrail terminal is designated in the Contract or task order for reuse, the removal and reuse of the existing guardrail terminal shall be included in the pay item "Reuse Guardrail Terminal (Standard and Type)".

Reflective sheeting conforming to Section 701 of the Specifications shall be applied to terminals employing W-beam end sections and on terminals employing impact (extruder) heads. The color of the sheeting shall be amber (yellow) reflective sheeting with black diagonal strips applied to the full impact head with the direction of the black diagonal strips conforming to the MUTCD application for Type 3 Object Markers (OM-3). The color of the sheeting shall also be amber (yellow) reflective sheeting for GR-7 terminals. All cost for furnishing and installing the reflective sheeting shall be included in the price bid for other appropriate pay items.

All aggregate and other material placed at the guardrail terminal end section shall be included in the pay item "Guardrail Terminal Site Preparation".

Build-up or debris under existing guardrail in areas where guardrail is to be replaced shall be removed to the original shoulder cross slope, in accordance with the contract Special Provisions.

SECTION 505.04 MEASUREMENT AND PAYMENT is amended to replace the ninth paragraph with the following:

Special Design Guardrail Bridge Attachment, BRGR will be measured in units of each or linear feet, for the type specified per attachment location and will be paid for at the contract unit bid price per each attachment or linear foot of attachment per location. The price bid shall include, but is not be limited to, furnishing and installing guardrail attachment type, blockouts, rail, hardware all labor, tools, equipment and incidentals necessary to fully complete the work.

Payment will be made under:

Pay Item	Pay Unit
Special Design Bridge Guardrail Attachment, BRGR (Type)	Linear Feet or Each

SECTION 505.04 MEASUREMENT AND PAYMENT is amended to add the following:

W-Beam Guardrail will be measured in units of linear feet and paid for at the contract unit price per linear foot. The bid price shall include furnishing and installing W-beam, nuts, bolts, washers and all labor, tools, equipment and incidentals necessary to fully complete the work.

Guardrail (Standard) (length post) will be measured in linear feet and will be paid for at the contract unit price per linear foot for the standard and length post specified, including hardware and for all labor, materials, tools and equipment necessary to complete the work.

Guardrail Post (standard & length) will be measured in units of each for the standard and length specified and paid for in units of each for the standard and length specified. The price bid shall include furnishing and installing guardrail, connecting hardware to guardrail beam and post blockout and for all labor, materials, tools and equipment necessary to complete the work.

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

Guardrail Offset Block (Wood or Composite) will be measured and paid for in units of each. The price bid shall include removal and disposal of the existing offset block and furnishing and installing the new offset block and connecting hardware at locations designated on the plans or as directed by the Engineer. The price bid shall also be full compensation for all labor, materials, tools and equipment necessary to fully complete the work.

Payment will be made under:

Pay Item	Pay Unit
W-Beam Guardrail	Linear Foot
Guardrail (Standard) (length post)	Linear Foot
Guardrail Post (standard & length)	Each
Guardrail Offset Block, Wood or Composite	Each

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

VIRGINIA DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION FOR
**VERIFICATION OF UTILITIES WITH
REGARD TO GUARDRAIL INSTALLATION**

January 27, 2012

I. DESCRIPTION

The intent of this provision is to identify ways to verify the locations of utilities within VDOT rights of way when installing guardrail in these areas.

The Contractor is advised that the Department has a number of utility facilities located within the limits of this project. Such facilities include, but are not limited to, those associated with VDOT's Traffic Management System, electrical facilities for powered signs and signals, fiber optics, etc. The Department's facilities shall be marked by VDOT at the start of the contract time. It is the Contractor's responsibility to maintain these markings throughout the life of the project so as to prevent or minimize the potential of damage to these facilities as a result of the Contractor's operations. To that end, the Contractor shall employ all due care and diligence in maintaining these markings and being aware of their locations while performing the work. Should the markings be destroyed by the Contractor's carelessness or negligence, it shall be the Contractor's responsibility to make physical and financial arrangements to have them re-marked at his expense and should reflect such in his bid price as he sees fit.

II. PROCEDURES

When construction of guardrail appears to be in close proximity to existing utilities, the Contractor will be required to perform test pit excavations to verify the exact locations and elevations of these utilities and to determine if any of these utilities will be in conflict with the proposed work in accordance with the applicable Ms. Utility Law. The Contractor shall dig the test pits well in advance of construction work as directed by the Engineer.

The Contractor shall coordinate with the utility owners to determine if the existing utilities are active, verify their extent and locations, and shall provide the following information to the Engineer: size and type of utility, station, elevation, offset and exact location in reference to the proposed work.

When the installation of guardrail posts is in close proximity to existing utilities and the Contractor has verified that installing such guardrail posts by driving or other mechanical means is prohibitive based on the information secured under the Miss Utility law(s), the Contractor shall install guardrail posts by hand digging in such areas. The depth/size of the holes shall be in accordance with the VDOT Road and Bridge Standards for the specific guardrail type being installed and shall be in conformity with existing lines, grades and limits or those established by the Engineer. After installation of posts, all post holes shall be backfilled and compacted with material conforming to the Section 208 of Specifications and current details in the Standards.

The number of holes to be hand excavated is estimated in the Contract, however, additional holes may be required due to field conditions. The authorization of additional holes will be as directed by the Engineer.

III. MEASUREMENT AND PAYMENT

Test pits will be measured in units of each excavation through areas of the type of surface specified; which price shall be full compensation for all labor, materials, equipment, traffic controls, surveying, excavation, sheeting/shoring, backfilling, compacting, disposal of surplus material and restoration of the disturbed area., per the following pay items:

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

Hand dig guardrail post hole will be measured and paid for in units of each and shall only apply to posts that cannot be installed by driving or mechanical means in areas identified on the plans or where directed by the Engineer. The unit price for this work shall include all labor, tools, equipment, excavation, backfill, compaction, disposal of surplus material, restoration of the disturbed area and incidentals necessary to completely install guardrail post.

Pay Item	Pay Unit
Test Pit Excavation in Paved Areas	Each
Test Pit Excavation in Non-paved Areas	Each
Hand Dig and Install Guardrail Post	Each

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

VIRGINIA DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION FOR
ROADSIDE DEVELOPMENT AND EROSION CONTROL

June 1, 2012

I. DESCRIPTION:

This work shall consist of providing erosion and siltation control for areas disturbed by excavation, trenching, grading or construction operations in accordance with this provision, *Virginia Erosion and Sediment Control Law, Regulations and Certification Regulations* and as directed by the Engineer.

II. MATERIALS:

Silt fence shall be in accordance with Section 245 of the Specifications.

Seed shall be in accordance with Section 244 of the Specifications. The second sentence of the first paragraph of Section 244.02 (c) is deleted.

Fertilizer shall be in accordance with Section 244 of the Specifications.

Mulch shall be in accordance with Section 244 of the Specifications.

III. PROCEDURES;

Prior to commencing excavation or grading operations the Engineer will review the area and direct the Contractor when and where any required erosion and siltation control devices shall be installed. All temporary silt fence specified will be measured and paid for in accordance with Section 303 of the Road and Bridge Specifications.

The Contractor shall exercise care when performing open trench or foundation excavations, the excavated material shall be confined along the open trench or foundation and all excavated material shall be used as backfill or removed from the construction site at the end of the day. Disposal of unsuitable material shall be in accordance with Section 106 of the Specifications. In the event the Contractor does not use the material as backfill or remove the material from the site at the end of the day, the Contractor shall install temporary silt fence at no additional cost to the Department to prevent erosion.

The Contractor shall restore and seed areas disturbed by excavation, grading, or construction operations. Seeding shall be in accordance with Section 603 of the Specifications with the following seed mixes at the listed rates per acre:

Bristol, Culpepper, Fredericksburg, Lynchburg, Richmond, Salem and Staunton Districts	
FALL – WINTER 9-5 to 4-1	SPRING – SUMMER 4-1 to 9-5
20 lbs. Winter Wheat or Barley (Nurse Crop)	10 lbs. Annual Ryegrass (Nurse Crop)
100 lbs. Tall Fescue	100 lbs. Tall Fescue

Slopes 2:1 or greater – Add 20 pounds of Crownvetch or Sericea Lespedeza to the above mix

ORDER NO.: A97
CONTRACT ID. NO.: C00102632N01

Hampton Roads District		
FALL – WINTER 9-5 to 4-1		SPRING – SUMMER 4-1 to 9-5
20 lbs. Winter Wheat or Barley (Nurse Crop)		10 lbs. Annual Ryegrass (Nurse Crop)
100 lbs. Tall Fescue		100 lbs. Tall Fescue
50 lbs. Bermudagrass (Unhulled)		50 lbs. Bermudagrass (Hulled)

Slopes 2:1 or greater – Add 20 pounds of Sericea Lespedeza to the above mix

NOTE: Hard Fescue may be substituted for Tall Fescue

Mulch shall be applied at a rate of two-tons per acre in accordance with Section 603 of the Specifications.

Fertilizer shall be 15-30-15 applied at a rate of 600-pounds per acre in accordance with Section 603 of the Specifications.

IV. MEASUREMENT AND PAYMENT:

The seeding shall include site preparation, seed, fertilizer, mulching; finishing and maintaining seeded areas until final acceptance, and restoring disturbed areas prior to final acceptance. This work will not be measured for separate payment but will be included in the price bid for other items of work.