



U.S. Department
of Transportation

Federal Highway
Administration

Eastern Federal Lands
Highway Division

Final Construction Report

Project No.: VI 66(9), CONTRACT 3
DTFH71-09-C-00026

Location: U.S. VIRGIN ISLANDS

Description: Christiansted Bypass and other Secondary Roads

Submitted by: Miguel Rodriguez
Project Engineer

jameel.siddiqi@dot.gov

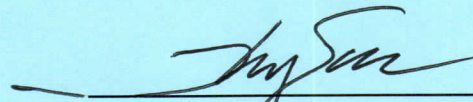
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Recommended by:

Jameel Siddiqi
Construction Operations Engineer

Date

Approved by:


Thomas J. Scott, Jr.
Construction Engineer

8-6-18
Date

FINAL CONSTRUCTION REPORT

PROJECT VI 66(9) CONTRACT 3 CHRISTIANSTED BYPASS AND SIDE ROADS

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FINAL CONSTRUCTION REPORT

PROJECT VI 66(9) CONTRACT 3 CHRISTIANSTED BYPASS AND SIDE ROADS

I) PROJECT DESCRIPTION

- A) Project Number** – Project VI 66(9) Contract 3 was located on St. Croix, U.S. Virgin Islands.
- B) Description of Work** – Constructed aggregate base, curb and gutter, sidewalks, utilities, drainage structures, retaining walls, hot asphalt concrete pavement, and other miscellaneous work.
- C) Environmental Considerations** – A Territorial Pollutant Discharge Elimination System (TPDES) permit VIGSA0009 was obtained from the Government of the Virgin Islands of the United States Department of Planning and Natural Resources Division of Environmental Protection.

A General Permit No. STX-264-09 was obtained from the Government of the Virgin Islands of the United States, Department of Planning and Natural Resources, Division of Environmental Services on May 29, 2009. This permit gave authorization to discharge under the National Pollutant Discharge Elimination System Storm Water Discharges Associated with Construction Activity for Infrastructure Construction Projects.

II) PROJECT DATA

- A) Specifications** – Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-03 (English).

B) Termini –

Christiansted Bypass:	Station 33+59.81 to Station 99+80.28
Line 7:	Station 5+37.6 to Station 8+12.93
Line 8:	Station 10+00 to Station 13+37.31
Line 33:	Station 1+00 to Station 2+83.39

C) Length –

Christiansted Bypass:	6,620.47 feet
Line 7:	275.32 feet
Line 8:	337.31 feet
Line 33:	<u>189.39 feet</u>
Total Length:	7,416.49 feet or 1.40 miles

D) Width –

Christiansted Bypass: Variable lane widths from two 12-foot travel lanes to five 12-foot lanes and 4-foot to 8-foot paved shoulders

Line 7: 26 feet

Line 8: 30 feet

Line 33: 20 feet

E) Pavement Structure – Christiansted Bypass Station 33+59.91 to Station 37+40+/- received 5 inches of HACP Class A, Grading C Binder Course and 2 inches of HACP, Class A, Grading E Surface Course for the mainline. The shoulders received 3 inches of HACP, Class A, Grading C Binder Course and 2-inches HACP, Class A, Grading E Surface Course. Christiansted Bypass Station 37+40 to Station 42+00+/- received 5 inches HACP, Class A, Grading C Binder Course. Line 7 received 3 inches HACP, Class B, Grading C Binder Course; Line 8 and Line 33 received of 4 inch HACP, Class B, Grading C Binder Course.

F) Structures – None

G) Contract Number and Date – DTFH71-09-C-00026; September 3, 2009

H) Contracting Officers –

Melisa L. Ridenour	Division Director
Donald W. Miller	Director, Project Delivery
Wanda A. Pfeffer	Contracting Officer
Thomas J. Scott, Jr.	Construction Engineer
Jameel Siddiqi	Construction Operation Engineer

I) Contract Bid Amount – \$ 6,061,692.00

J) Engineer's Estimate – \$ 9,500,000.00

K) Final Contract Amount – \$ 6,451,824.91

L) Contract Time – 355 Calendar Days

Award Date:	September 3, 2009
Notice to Proceed:	November 2, 2009
Original Completion Date:	October 22, 2010
Authorized Extension Granted:	341 Calendar days
Revised Completion Date:	September 28, 2011
Date Substantially Completed:	September 21, 2011
Date All Work Completed:	September 21, 2011
Liquidated Damages Accessed:	None

M) Contractor –

Betterroads Asphalt Corporation
URS Monterrey Esq. Calle Andes
Rio Piedras, PR 00926

N) Subcontractors –

Countryside Development Inc. D/B/A Fergutrax Heavy Equipment P.O. Box 696 Kingshill St. Croix, VI 00851 <i>Removal items, embankment construction, Aggregate base and other misc. items.</i>	Small Business Concern (SBC) Disadvantage Business Concern (DBC)	\$1,227,007.34
Midwest Rockfall Inc. 10001 East 102 Avenue Henderson, CO 80640 <i>Rockfall Protection</i>	SBC	\$326,826.30
Lake Trucking & Heavy Equipment Rental P.O. Box 465 Kingshill St. Croix, VI 00851 <i>Pavement Markings</i>	SBC/DBC \$	\$17,779.00
DMC Construction Inc. P.O. Box 503 Kingshill St. Croix, VI 00851 <i>Concrete, pipe culvert, Railings and other misc. work</i>	SBC/DBC	\$623,279.85
N. R. Electric 4100 Sion Farm, Suite 3 St. Croix, VI 00820-4433 <i>Conduit, pole foundation, Utility box, pullbox</i>	SBC/DBC	\$461,753.82
St. Croix Survey and Engineering 72 Flag Drive, Gallows Bay St. Croix, VI 00820 <i>Construction Survey and Staking</i>	SBC	\$335,527.75
Antillean Engineers, Inc. P.O. Box 3023, Kingshill St. Croix, VI 00851 <i>Contractor testing</i>	SBC	\$173,083.53

Heights Construction P.O. Box 1818, Kingshill St. Croix, VI 00851 <i>Concrete sidewalk, curb and gutter</i>	SBC/DBC	\$542,309.41
GEC LLC P.O. Box 1656, Kingshill St. Croix, VI 00851 <i>Waterline</i>	Large Business Concern (LBC)	\$139,973.16
Virgin Islands Asphalt Products P.O. Box 1549, Kingshill St. Croix, VI 00851 <i>HACP</i>	LBC	\$453,400.58
FRC Rail Specialists Guardrail		\$14,870.38

O) Construction Engineering Costs –

EFLHD CE Costs:	\$ 563,900.46
EFLHD PE Costs	<u>\$ 753,826.28</u>
Total Costs:	\$ 1,317,744.04

Percent of Final Contract Amount = 20.4

P) Maintaining Agency –

Government of the U. S. Virgin Islands Department of Public Works

III) CONSTRUCTION

A) Materials –

Item No. 25101-3000: Placed Rip Rap, Class 3

Supplier: Heavy Materials
P.O. Box 1547
Frederiksted, St. Croix, VI 00841

Specific Gravity, Apparent: 2.71
Absorption: 0.67%
LA Abrasion: 12.0 %
Sodium Sulfate Soundness: 0.40%

Item No. 25501-3000: Mechanically Stabilized Earth Wall, Modular Bock Face

Supplier: RR Technology Group, Inc.
Carr 175 km. 06 Bo San Antonio Caguas
P.O. Box 4985 PMB 312
Caguas, PR 00726-4985

Item No. 30101-40000: Aggregate Base, Grading C or D

Supplier: Heavy Materials
P.O. Box 1547
Frederiksted, St. Croix, VI 00841

Material: Crushed Aggregate – Springfield Quarry, St. Croix

Sieves	Target Value (Percent Passing)	Allowable Deviation (Percent)	Specification (Percent Passing)
2-inch	100	----	100
1-inch	97	±6	91-100
3/4-inch	94	±6	88-100
3/8-inch	69	±6	63-75
No. 4	43	±6	37-49
No. 200	9.8	±3	6.8-12.8

Maximum Dry Density:	148.0 lb/cubic foot (pcf)
Optimum Moisture Content:	6.0 percent
Bulk Specific Gravity (Sp/Gr):	2.696
Sodium Sulfate Soundness:	1.1 percent
LA Abrasion:	NA
Fractured Faces:	100 percent
Liquid Limit: ±	ND
Plasticity Index:	NP

Item No. 40201-0700: Hot Asphalt Concrete Pavement, Marshall Test, Class A, Grading C

Item No. 40201-0800: Hot Asphalt Concrete Pavement, Marshall Test, Class B, Grading C

Job Mix Design Properties:

Sieves	Target Value (Percent Passing)	Allowable Deviation (Percent)	Specification (Percent Passing)
1-inch	100	----	100
3/4-inch	97	----	97-100
1/2-inch	88	±5	83-93
3/8-inch	81	±6	75-87
#4	59	±7	52-66
#8	40	±5	35-45
#30	20	±4	16-24
#50	13	±3	10-16
#200	7	±2	5.0-9.0

Asphalt Content – 5.3 %

Maximum Theoretical Specific Gravity: 2.527

Dust/Asphalt Ratio: 1.3

Voids in Mineral Aggregate (VMA): 15.6

Item No. 60201-0500: 15-inch Pipe Culvert

Item No. 60201-0600: 18-inch Pipe Culvert

Item No. 60201-0800: 24-inch Pipe Culvert

Item No. 60210-0800: End Section for 24-inch Pipe Culvert

Item No. 60401-0000: Manhole

Supplier: Atlantic Pipe Corporation
P.O. Box 366259
San Juan, PR 00936

Item No. 60403-1800: Inlet, Type 6A

Item No. 60403-1900: Inlet, Type 6B

Supplier: Atlantic Pipe Corporation
P.O. Box 366259
San Juan, PR 00936

Grates: Neenah Foundry Company
2121 Brooks Avenue
Neenah, WI 54957

Item No. 60421-0000: Oil/Grit Separator (1K Baysaver)

Supplier: Baysaver Technologies, Inc.
1302 Rising Ridge Road
Mt. Airy, MD 21771

Item No. 60901-1700: Curb, Concrete, 18-inch Depth

Item No. 60902-1100: Curb and Gutter, Concrete 13-inch

Supplier: Heavy Materials, LLC
Frederiksted, St. Croix, VI 00841

Mix Requirements: Minimum Strength – 3000 pounds per square inch (psi) in 28 days

Minimum Cement Content – 611 lbs/cy3

Maximum Water/Cement Ratio – 0.49

Maximum Slump – 8 inches

Minimum Air Content – 4.0 percent

Cement:	Portland Cement – Type 1 Trinidad Cement Limited (TCL) Claxton Bay, Trinidad, West Indies	615 lbs/cy3
Fine Aggregate:	Coarse Sand (Manufactured) Heavy Materials, LLC Springfield Quarry, St. Croix, VI 00841	1300 lbs/cy3
Fine Aggregate:	Fine Concrete Sand Argos, Colombia	290 lbs/cy3
Coarse Aggregate:	Coarse Stone (#57) Heavy Materials, LLC Springfield Quarry, St. Croix, VI	1070 lbs/cy3
Coarse Aggregate:	Fine Stone (#7) Heavy Materials, LLC Springfield Quarry, St. Croix, VI	580 lbs/cy3
Water:	Springfield Quarry St. Croix, VI	275 lbs/cy3
Air Entrainment:	MD90 BASF Cleveland, OH	1 oz/cwt
Water Reducer:	Pozzolith 100XR (Type D) BASF Cleveland, OH	5 oz/cwt

Water Reducer: Glenium 3030 NS (High Range)
BASF
Cleveland, OH

Item No. 61501-0100: Sidewalk, Concrete

Item No. 61503-1000: Median, Concrete

Item No. 61504-1000: Accessibility Ramp, Concrete

Supplier: Heavy Materials, LLC
Frederiksted, St. Croix, VI 00841

Truncated Dome: Armor-Tile
Engineer Plastics, Inc.
100-300 International Drive
Williamsville, NY 14221

Mix Requirements: Minimum Strength – 3000 pounds per square inch (psi) in 28 days

Minimum Cement Content – 611 lbs/cy³
Maximum Water/Cement Ratio – 0.49
Maximum Slump – 8 inches
Minimum Air Content – 4.0 percent

Cement: Portland Cement – Type 1 615 lbs/cy³
Trinidad Cement Limited (TCL)
Claxton Bay, Trinidad, West Indies

Fine Aggregate: Coarse Sand (Manufactured) 1300 lbs/cy³
Heavy Materials, LLC
Springfield Quarry, St. Croix, VI

Fine Aggregate: Fine Concrete Sand 290 lbs/cy³
Argos, Columbia

Coarse Aggregate: Coarse Stone (#57) 1070 lbs/cy³
Heavy Materials, LLC
Springfield Quarry, St. Croix, VI

Coarse Aggregate: Fine Stone (#7) 580 lbs/cy³
Heavy Materials, LLC
Springfield Quarry, St. Croix, VI

Water: Springfield Quarry 275 lbs/cy³
St. Croix, VI

Air Entrainment: MD90 1 oz/cwt
BASF
Cleveland, OH

Water Reducer: Pozzolith 100XR (Type D) 5 oz/cwt
BASF
Cleveland, OH

Water Reducer: Glenium 3030 NS (High Range)
BASF
Cleveland, OH

Item No. 61701-1200: Guardrail System G4, Type 2, Class A Steel Posts

Item No. 61701-4100: Terminal Section, Type G4-CRT

Item No. 61702-0800: Terminal Section , Type Tangent

Item No. 61707-1000: Structure Transition Railing, G4 System

Manufacturer: Trinity Highway Products, LLC
2525 Stemmons Freeway
Dallas, TX 75207

Item No. 61802-0000: Concrete Guardwall

Item 63610-0000: Conduit (Concrete Envelope)

Supplier: Heavy Materials, LLC
Frederiksted, St. Croix, VI 00841

Mix Requirements: Minimum Strength – 3000 pounds per square inch (psi) in 28 days

Minimum Cement Content – 611 lbs/cy3

Maximum Water/Cement Ratio – 0.49

Maximum Slump – 8 inches

Minimum Air Content – 4.0 percent

Cement: Portland Cement – Type 1 615 lbs/cy3
Trinidad Cement Limited (TCL)
Claxton Bay, Trinidad, West Indies

Fine Aggregate: Coarse Sand (Manufactured) 1300 lbs/cy3
Heavy Materials, LLC
Springfield Quarry, St. Croix, VI

Fine Aggregate: Fine Concrete Sand 290 lbs/cy3
Argos, Colombia

Coarse Aggregate: Coarse Stone (#57) 1070 lbs/cy3
Heavy Materials, LLC
Springfield Quarry, St. Croix, VI

Coarse Aggregate:	Fine Stone (#7) Heavy Materials, LLC Springfield Quarry, St. Croix, VI	580 lbs/cy3
Water:	Springfield Quarry St. Croix, VI	275 lbs/cy3
Air Entrainment:	MD90 BASF Cleveland, OH	1 oz/cwt
Water Reducer:	Pozzolith 100XR (Type D) BASF Cleveland, OH	5 oz/cwt
Water Reducer:	Glenium 3030 NS (High Range) BASF Cleveland, OH	

Item No. 63610-1600: Conduit, 2-inch, PVC

Supplier:	Roger Electric Corporation P.O. Box 3166 Bayamon, PR 00960-3166
Manufacturer:	Vassallo 1000 Carr #506 Coto Laurel, PR 00780-2935

Item No. 63621-1000: Utility Box, Pullbox

Supplier:	Marina Electric, Inc. Carr #19 Km.0.6 Bo. Monacillos Rio Piedras, PR 00968
Manufacturer:	Quazite 3621 Industrial Park Drive Lenoir City, TN 37771

Item No. 64603-0600: Fixture, Flag Pole

Supplier:	American Flagpole 26252 Hillman Highway Abingdon, VA 24210
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Item No. 64604-3000: Fixture, Pedestrian Railing (Overlook)
Item No. 64604-3000: Fixture, Pedestrian Railing (Cemetery)
Item No. 64604-3000: Fixture, Pedestrian Railing (Sidewalk)

Manufacturer: Bravo Fence
1302 N. Nebraska Avenue
Tampa, FL 33612

Item No. 65101-1000: Draped Rockfall Protection, Wire Mesh

Manufacturer: Maccaferri, Inc.
Williamsport, MD

B) Experimental or New Features –

None

C) Changes and Problems –

1) Changes

Contract Modification (CM) No.0001: was issued to cease all work on March 1, 2010, under the contract due to lapse of Government spending authority.

No change in contract amount.

No change in contract time.

CM No. 0002: was issued to start back to work on March 3, 2010, under the contract.

No change in contract amount.

No change in contract time.

CM No. 0003: was issued to address underestimated quantities or omissions for three different pay items. Created a new pay item for vegetation removal at the historical site and two new pay items to address the waterline relocation to avoid the concrete guardwall from Station 60+75 to Station 66+75+/- . Time extended for the submittals, procurement of materials and subcontractor mobilization for the relocation of water lines.

Net contract increase = \$ 277,264.60

Contract time increased = 60 days

CM No. 0004: was issued to adjust and decrease the quantity of an existing item for a gate valve that was not required. Time extended for additional conduit crossings at three different locations; demo, build, and connect inlets and storm drains at 3 different locations; and unusually severe weather, wet conditions at quarry preventing material supply.

Net contract increase = \$ 56,273.58

Contract time increase = 151 days.

CM No. 0005: adjusted, and increased or decreased the quantity of existing items; created three new pay items to pay for additional proposed work and one new item to compensate the contractor for cost of inlet grate, Type 6A Modified. Time extended for delays caused by the historical wall and realignment issues beyond the control of the contractor; impacts due to inclement weather; impacts due to design changes between Station 97 + 00 and Station 99+80.

Net contract decrease = (\$ 27.50)

Contract time increased = 63 days

CM No. 0006: adjusted, increased or decreased the quantity of existing pay items and created a new pay item 66601-0000 Contract Modification Work (Slope Repair at Station 37+20). Time extended due to weather delays.

Net contract increase = \$ 72,542.23

Contract time increased = 34 days

CM No. 0007: adjusted, increased or decreased the quantity of existing items in order to finalize project quantities.

Net contract decrease = (\$ 31.40)

No change in contract time.

Significant Overruns and Underruns

Item 15705-0100: Soil Erosion Control, Silt Fence (Wired Back), underran by 34.47 percent due to differing field conditions.

Item 15706-1000: Soil Erosion Control, Inlet Protection, underran by 60.94 percent as actual field measurements differing from Original Engineer's estimate.

Item 15706-1600: Soil Erosion Control, Stabilized Construction Entrance, underran by 60.00 percent due to the contractor's staging of the project which required three less entrances.

Item 20303-3200: Removal of Sidewalk Concrete, overran by 61.76 percent due to actual field measurements differing from the Original Engineer's estimate.

Item 40201-0700: Hot Asphalt Concrete Pavement, Marshall Test, Class A, Grading C, overran by 25.08 percent as actual field measurements differing from the Original Engineer's estimate.

Item 41301-0000: Asphalt Pavement Milling was not required and therefore underran by 100 percent of plan quantity.

Item 60101-0000: Concrete (Transition Block at Guardwall Connection) was not required and therefore underran by 100 percent of plan quantity.

Item 60201-0600: 18-inch Pipe Culvert underran by 26.53 percent as actual field measurements differing from the Original Engineer's estimate.

Item 60403-1900: Inlet, Type 6A Modified were decreased by 2 each or underran by 15.38 percent to meet actual field requirements.

Item 60405-0000: Manhole Adjustments increased by 6 each or overran by 250.00 percent due to previous installed manholes needed to be adjusted to meet field conditions.

Item 60406-0000: Inlet Adjustment decreased by 2 or underran by 18.18 percent of the Original Engineer's estimate to meet existing field conditions.

Item 61503-1000: Median, Concrete overran by 30.29 percent due to actual field measurements differing from the Original Engineer's estimate.

Item 61504-1000: Accessibility Ramp, Concrete overran by 59.95 percent due to actual field measurements differing from the Original Engineer's estimate.

Item 61701-4100: Guardrail System CRG, Type 2, Class A underran by 100.00 percent of the original quantity. This item was not required and was deleted from the contract.

Item 61707-1000: Structure Transition Railing underran by 100.00 percent of the original quantity. This item was not required and was deleted from the contract.

Item 62401-0100: Furnishing and Placing Topsoil, 2-inch Depth overran by 15.58 percent of the planned quantity due to actual measurements taken in the field.

Item 62901-1200: Rolled Erosion Control Product, Type 5A underran by 100.00 percent; this item was not required and was deleted from the contract.

Item 63401-1500: Pavement Markings, Type H Solid underran by 24.00 percent. Actual field measurements resulted in less quantity being required.

Item 63403-0800: Pavement Markings, Type H underran by 48.00 percent. Actual field measurements resulted in less quantity being required.

Item 63503-0700: Temporary Traffic Control, Pavement Markings overran by 15.19 percent of the Original Engineer's estimate due to actual field measurements of the work.

Item 63503-0800: Temporary Traffic Control, Pavement Markings Removal underran by 74.67 percent. The pavement marking removal was not required as originally estimated.

Item 63504-1000: Temporary Traffic Control, Construction Sign underran by 44.72 percent due to the contractor staging of the project.

Item 61501-1000: Draped Rockfall Protection, Wire Mesh overran by 34.05 percent as actual field measurements differing from the Original Engineer's estimate.

2) Problems –

Clearing and grubbing quantity overran because of vegetation overgrowth between Phase 2 and Phase 3 contracts. Due to rockslides, rockfall protection had to be installed on the cut slopes. Unusually heavy and persistent rains created slope erosion at Station 37+20, and this damage had to be repaired. DPM requested additional conduits for future utilities and four existing inlets had to be modified to make them usable.

D) Recommendations – None

E) Claims – None

IV) CONSTRUCTION ENGINEERING

A) Project Personnel –

J. Bradley Blevins, Project Engineer/COTR (November 2, 2010 to June 30, 2011)
Miguel Rodriguez, Project Engineer/COTR (June 30, 2011 until completed)

B) Contract Inspection – None.

C) Other Contacts –

Government of the United States Virgin Islands Department of Public Roads:

John Paul David, Construction Program Manager, VIDPW
Wystan Benjamin, Highway Program Manager, VIDPW

D) Partnering –

Informal partnering was successfully implemented on this project, and good relationship was maintained between all shareholders.

THE GOVERNMENT OF THE VIRGIN ISLANDS
OF THE UNITED STATES

INDEX TO SHEETS

PLANS FOR PROPOSED
PROJECT VI 66(9) - CONTRACT 3
PHASE 1B

CHRISTIANSTED BYPASS AND
OTHER SECONDARY ROADS

SHEET NO	DESCRIPTION
A1	Title Sheet
A2	Symbols And Abbreviations
A3	Location Map
A4	Survey Information Sheet
B1-B12	Typical Section
C1	Tabulation of Quantities
C2-C3	Permanent Sign Schedule
C4-C5	Construction Sign Schedule
C6-C15	Miscellaneous Summaries
D1-D7	Plans And Profiles
D8-D14	Signal and Lighting Plan
D15-D19	Utility V.I.W.A.P.A Relocation Plans (For Information Only)
D20-D21	Utility INNOVATIVE Relocation Plans (For Information Only)
E1-E4	Overlook Plans
F1-F3	Historical Ruins Parking
H1-H4	Cemetery Wall and Stair Plans and Details
M1	Erosion Control Narrative
M2-M6	Erosion And Sediment Control Plans
N1-N6	Construction Traffic Control Plans
P1	Signing And Striping Plan
S1-S55	Standards And Details
T1-T14	Roadway Cross Sections
U1-U3	Drainage Profiles

DESCRIPTION OF PROJECT

IMPROVEMENT: GRADING, AGGREGATE BASE, HOT ASPHALT CONCRETE, SIDEWALKS, UTILITIES, AND MISCELLANEOUS WORK.

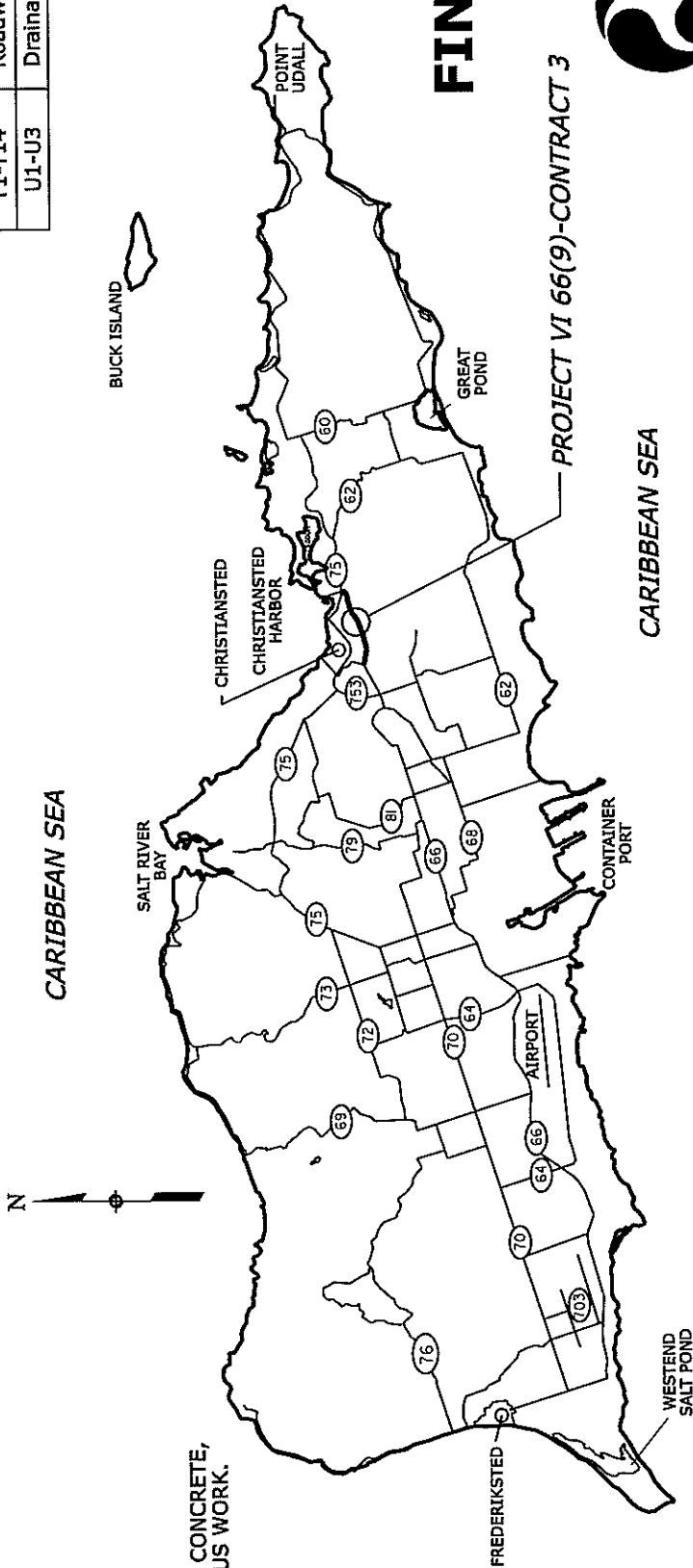
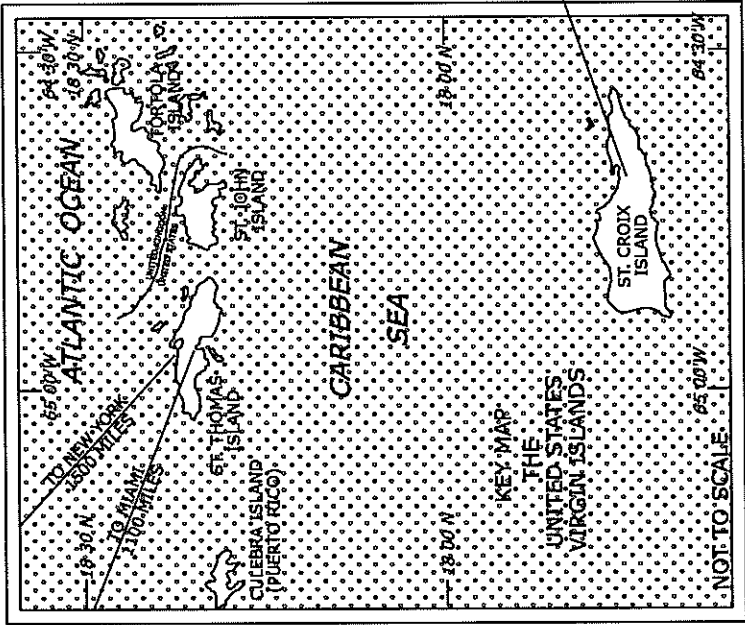
PROJECT LENGTH: 1.25 Miles

SPECIFICATIONS:

"Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects", FP-03 U.S.Customary Units.

DESIGN DESIGNATION:

ADT (2009)	0
ADT (2029)	20,000
DHV	1,500
D	50/50
V (MPH)	40
e	6%
T	10%

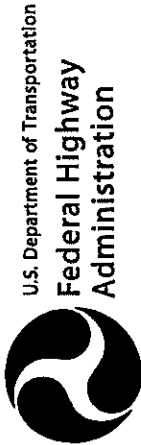


ST. CROIX ISLAND

NOT TO SCALE

FINAL SUBMISSION

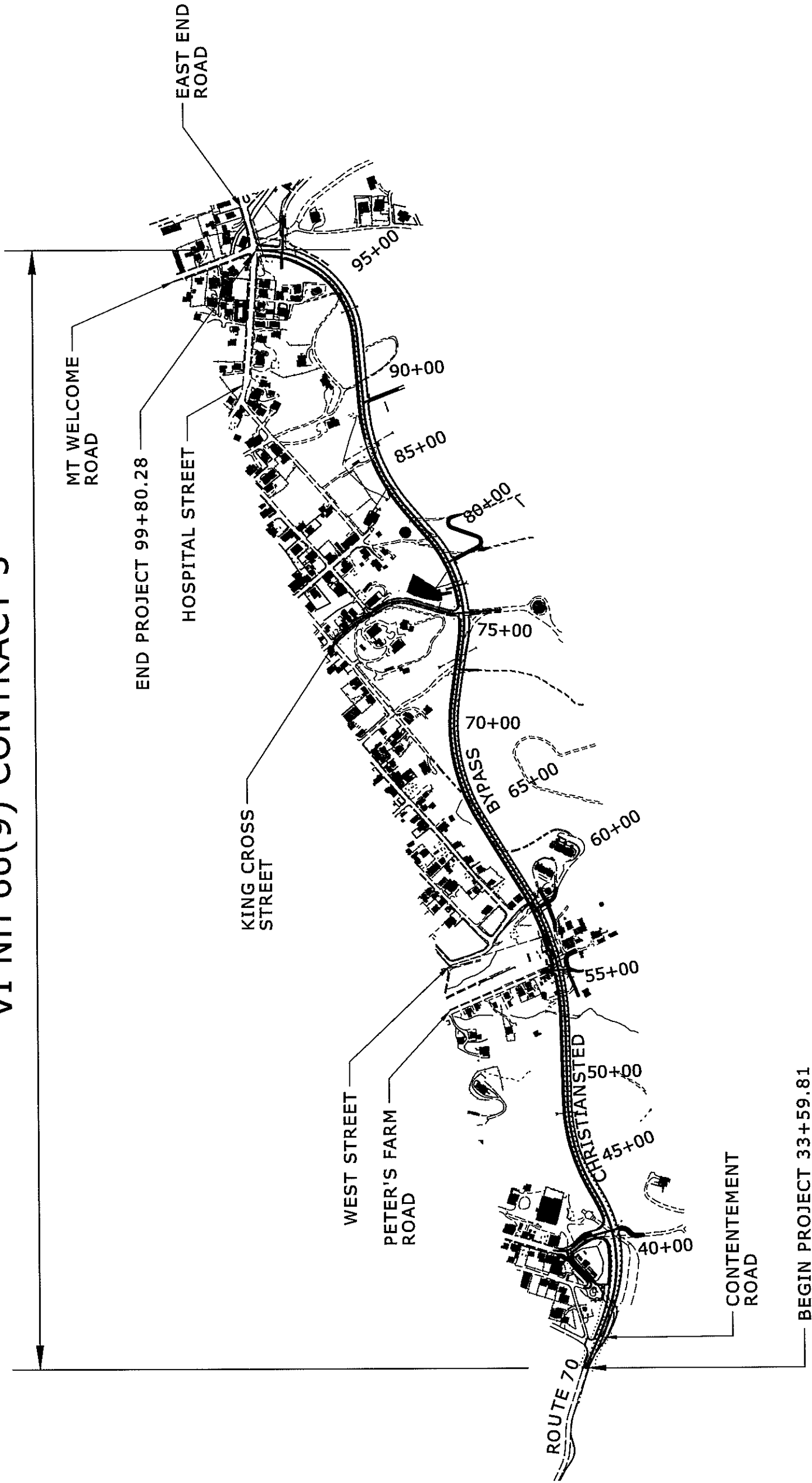
PLANS PREPARED BY



EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA
MAY, 2009

PROJECT MANAGER	LEAD DESIGNER
A. PATEL	SELAN HAILEGIORGIS

CHRISTIANSTED BY-PASS
VI NH 66(9) CONTRACT 3



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA

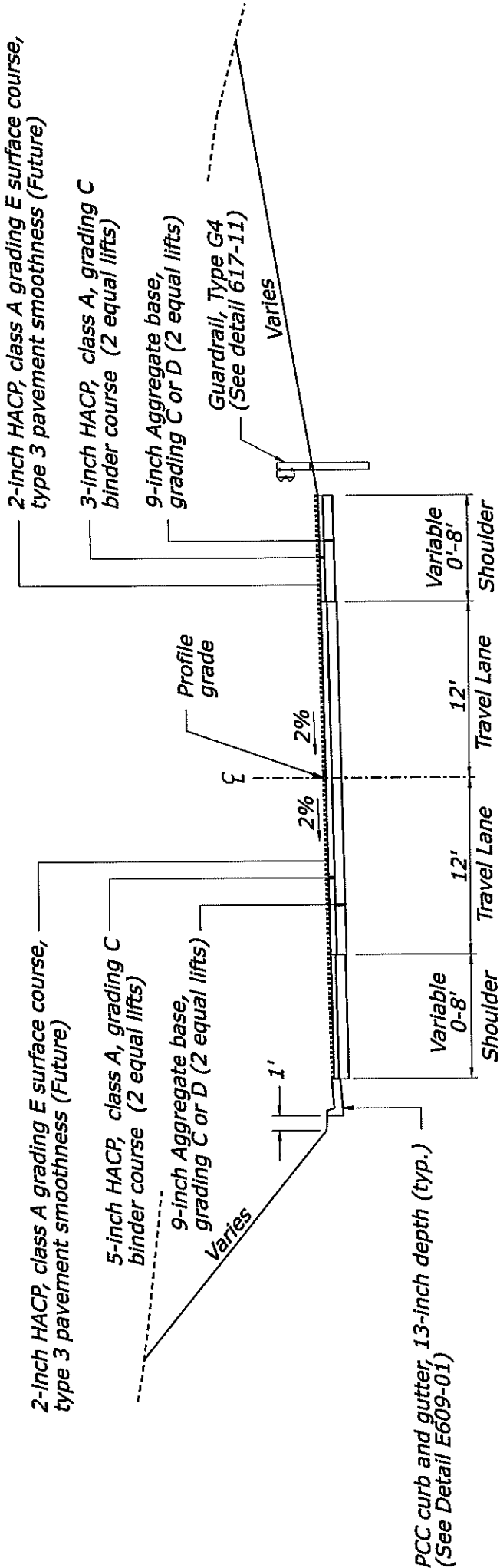
CHRISTIANSTED BYPASS

LOCATION MAP

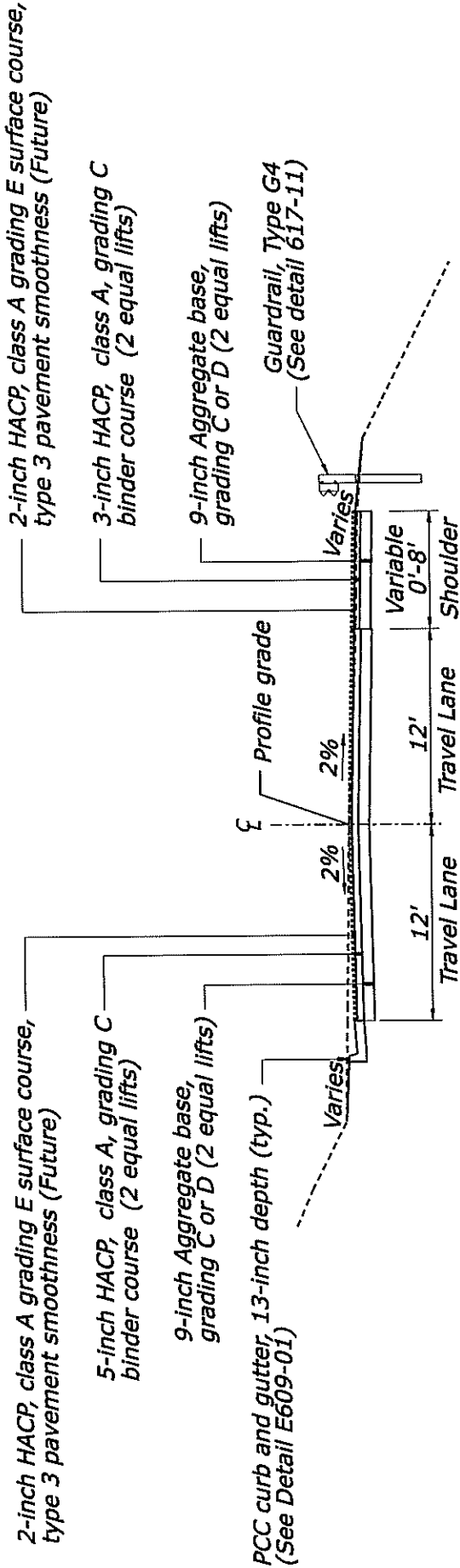


REG	STATE	PROJECT	SHEET NO.
SE	VI	VI 66(9)-CONTRACT 3	A3

REG	STATE	PROJECT	SHEET NO.
SE	VI	VI 66(9)-CONTRACT 3	B1



SUPERELEVATED SECTION



TANGENT SECTION

Notes :
1. Place topsoil (2 inch depth) and seed on all disturbed areas.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA

CHRISTIANSTED BYPASS

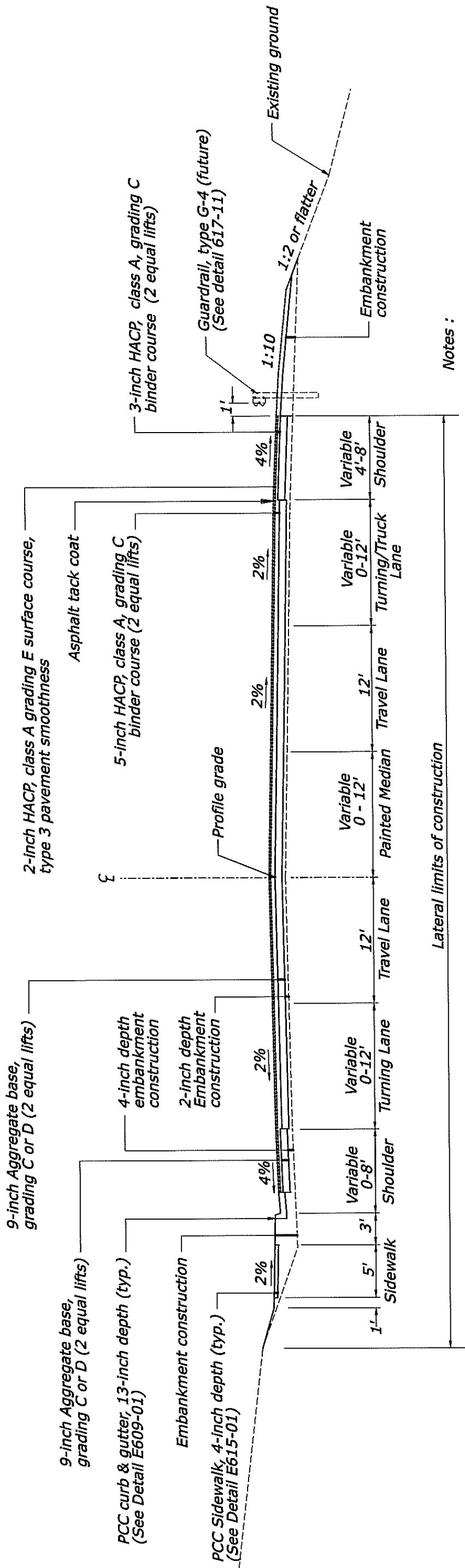
TYPICAL SECTION

33+59.91 TO 37+40

No Scale

FUTURE PAVEMENT STRUCTURE

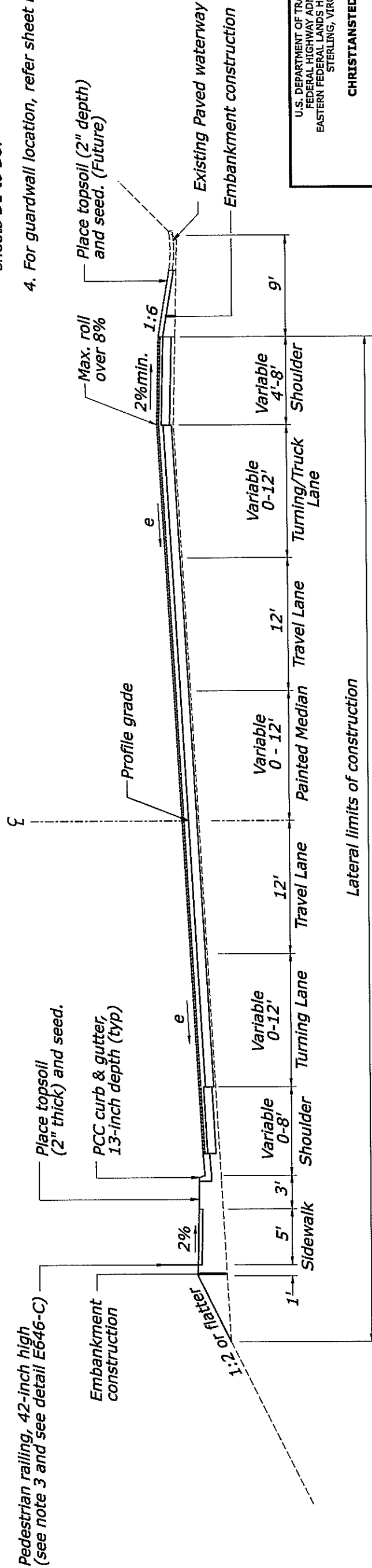
PROPOSED PAVEMENT STRUCTURE



Notes :

TANGENT SECTION

1. Place topsoil (2 inch depth) and seed all disturbed areas.
2. Do not damage the existing paved roadway.
3. For pedestrian railing location, refer sheets D1 to D3.
4. For guardwall location, refer sheet B7.



SUPERELEVATED SECTION

No Scale

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA

CHRISTIANSTED BYPASS

TYPICAL SECTION

42+00 TO 45+75

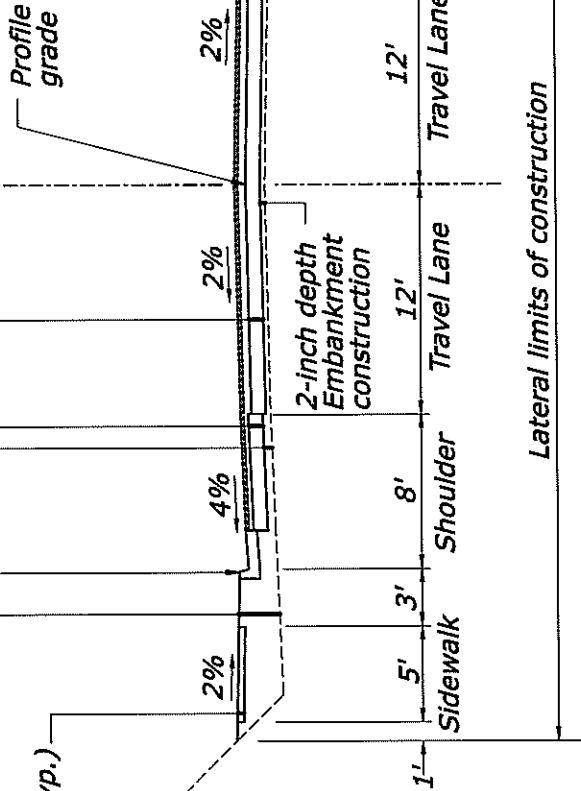
REG	STATE	PROJECT	SHEET NO.
SE	VI	VI 66(9)-CONTRACT 3	B4

PROPOSED PAVEMENT STRUCTURE

9-inch Aggregate base, grading C or D (2 equal lifts)
 9-inch Aggregate base, grading C or D (2 equal lifts)
 4-inch depth embankment construction
 PCC curb & gutter, 13-inch depth (typ)
 Embankment construction
 PCC Sidewalk, 4-inch depth (typ.) (See Detail E 615-01)

FUTURE PAVEMENT STRUCTURE

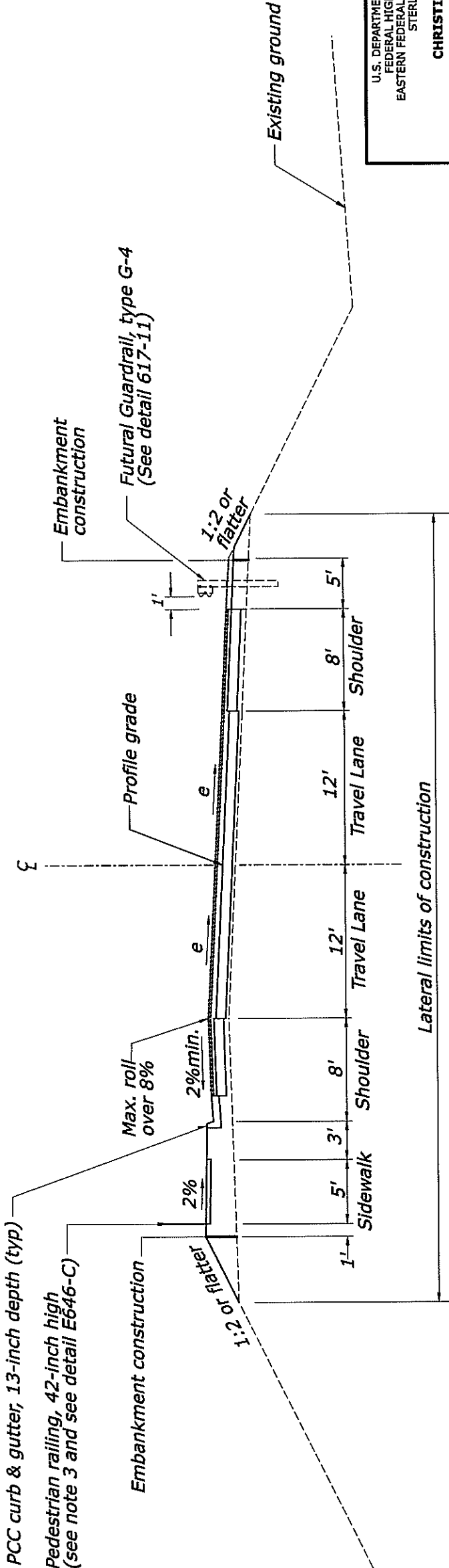
2-inch HACP, class A grading E surface course, type 3 pavement smoothness
 5-inch HACP, class A, grading C binder course (2 equal lifts)
 3-inch HACP, class A, grading C binder course (2 equal lifts)
 Existing paved waterway



Notes :

1. Place topsoil (2 inch depth) and seed all disturbed areas.
2. Do not damage the existing paved waterway.
3. For pedestrian railing location, refer sheets D1 to D3.
4. For guardwall location, refer sheet B7.

TANGENT SECTION



SUPERELEVATED SECTION

No Scale

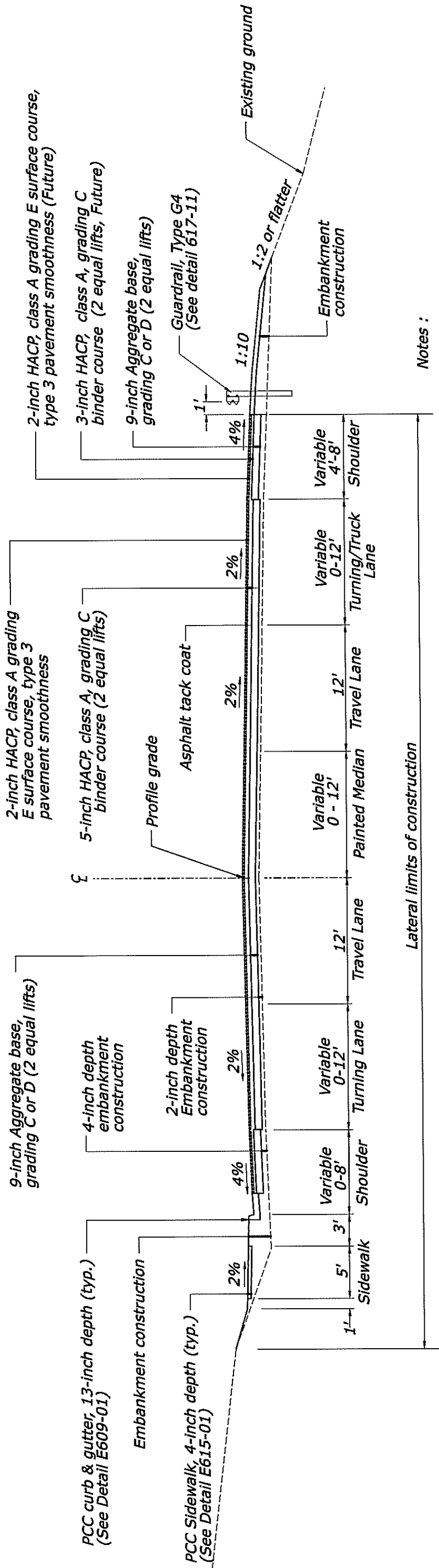
45+75 TO 71+17

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 EASTERN FEDERAL LANDS HIGHWAY DIVISION
 STERLING, VIRGINIA

CHRISTIANSTED BYPASS

TYPICAL SECTION

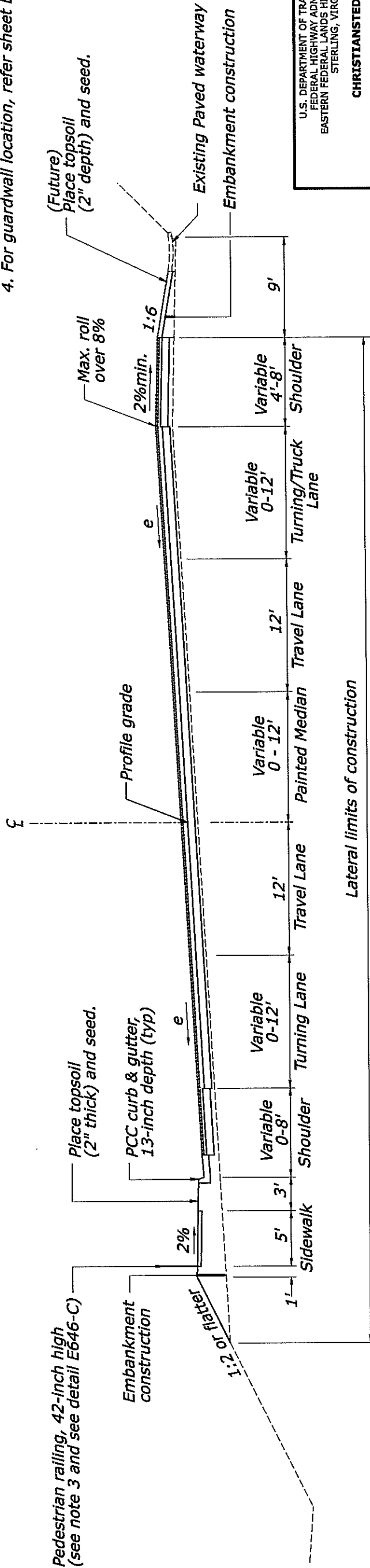
FUTURE PAVEMENT STRUCTURE



Notes :

1. Place topsoil (2 inch depth) and seed all disturbed areas.
2. Do not damage the existing paved waterway.
3. For pedestrian railing location, refer sheets D1 to D3.
4. For guardwall location, refer sheet B7.

TANGENT SECTION



SUPERELEVATED SECTION

No Scale

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA

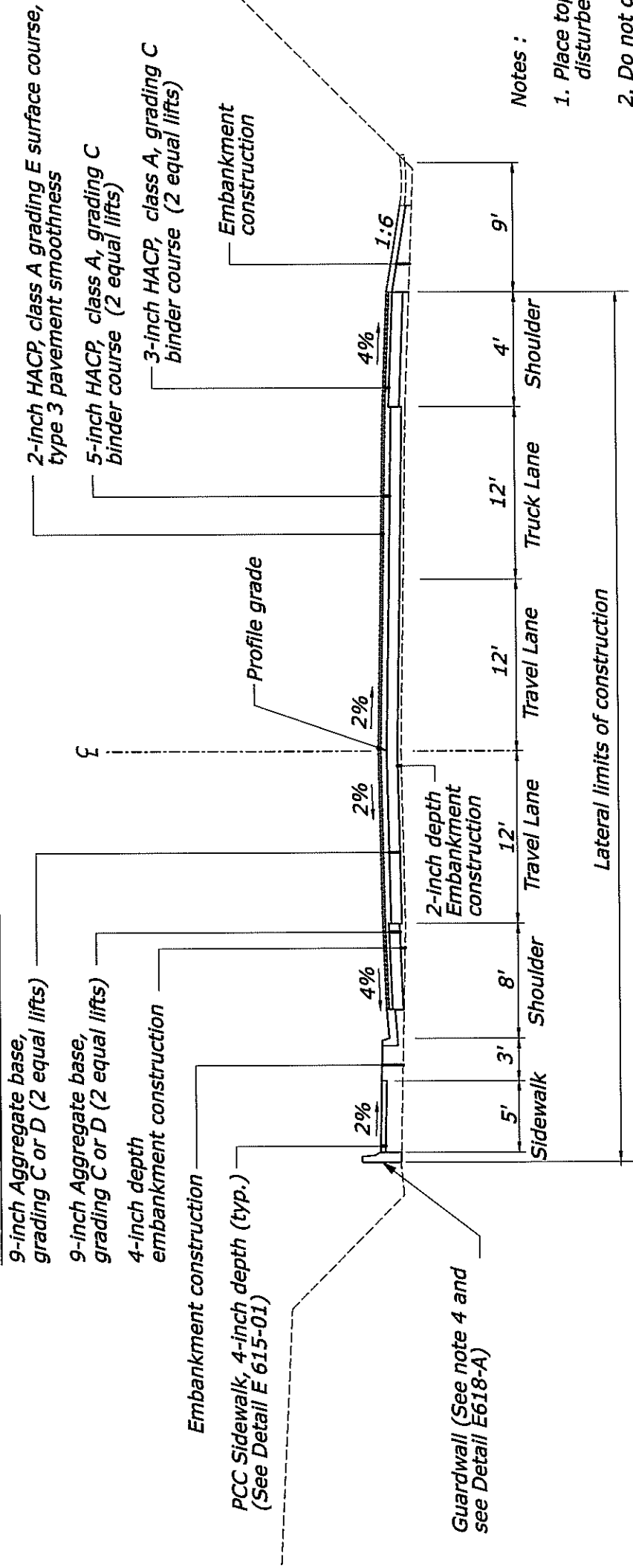
CHRISTIANSTED BYPASS

TYPICAL SECTION

71+17 TO 83+33

FUTURE PAVEMENT STRUCTURE

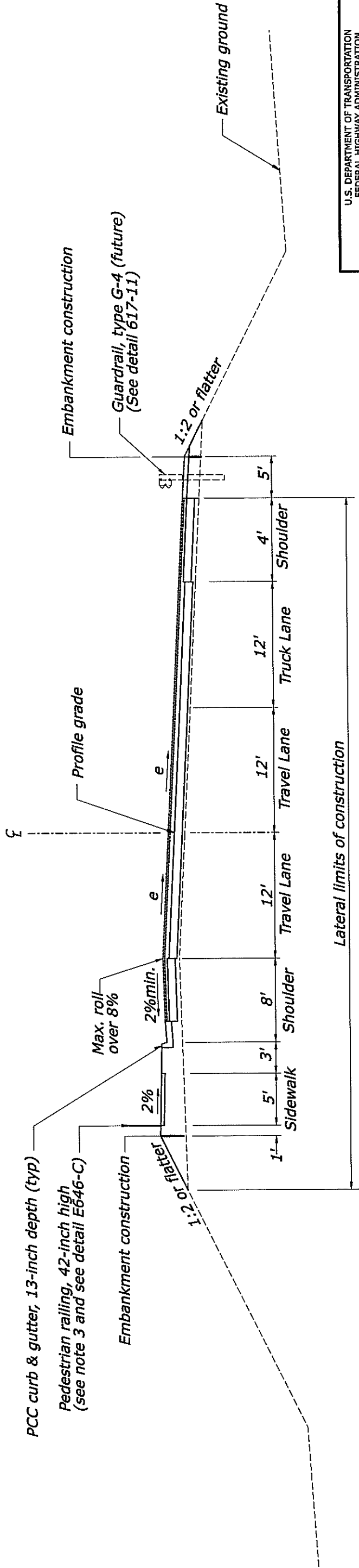
PROPOSED PAVEMENT STRUCTURE



Notes :

1. Place topsoil (2 inch depth) and seed all disturbed areas.
2. Do not damage the existing paved waterway.
3. For guardwall and pedestrian railing location, see sheets D1 to D3.
4. For guardwall location, refer sheet B7.

TANGENT SECTION



SUPERELEVATED SECTION

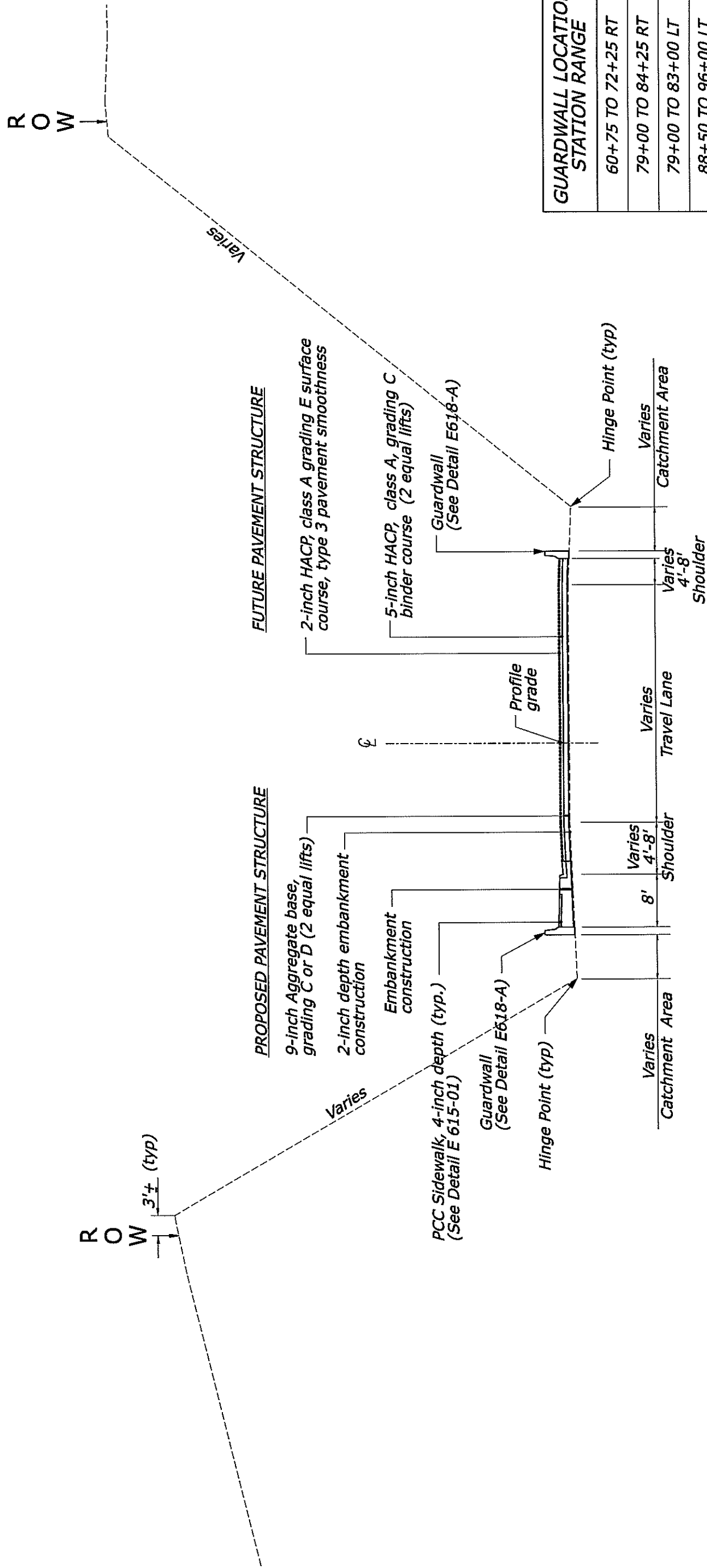
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA

CHRISTIANSTED BYPASS

TYPICAL SECTION

83+33 TO 95+35

No Scale



GUARDWALL LOCATION STATION RANGE
60+75 TO 72+25 RT
79+00 TO 84+25 RT
79+00 TO 83+00 LT
88+50 TO 96+00 LT
89+00 TO 96+00 RT

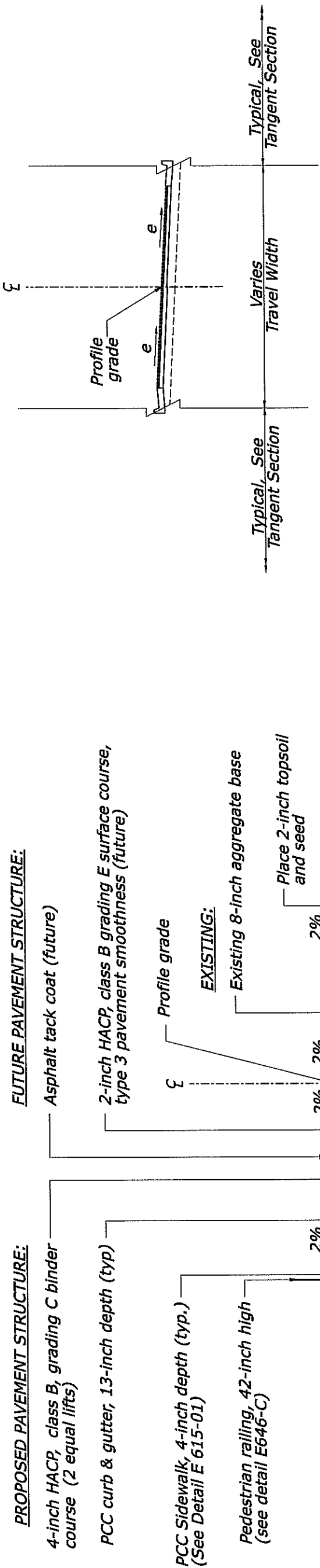
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA

CHRISTIANSTED BYPASS

TYPICAL SECTION

GUARDWALL

No Scale



SUPERELEVATED SECTION
LINE 7, 8, 33

TANGENT SECTION
LINE 8

FUTURE PAVEMENT STRUCTURE:

2-inch HACP, class B grading E surface course, type 3 pavement smoothness (future)

FUTURE PAVEMENT STRUCTURE:

2-inch HACP, class B grading E surface course, type 3 pavement smoothness (future)

PROPOSED PAVEMENT STRUCTURE:

Asphalt tack coat (future)

3-inch HACP, class B, grading C binder course

8-inch Aggregate base, grading C or D (2 lifts)

PCC curb & gutter, 13-inch depth (typ)

Remove existing 2-inch topsoil

PCC Sidewalk, 4-inch depth (typ.) (See Detail E 615-01)

Asphalt tack coat (future)

PROPOSED PAVEMENT STRUCTURE:

4-inch HACP, class B, grading C binder course (2 equal lifts)

EXISTING:

8-inch Aggregate base, grading C or D (2 lifts)

TANGENT SECTION
LINE 33

TANGENT SECTION
LINE 7

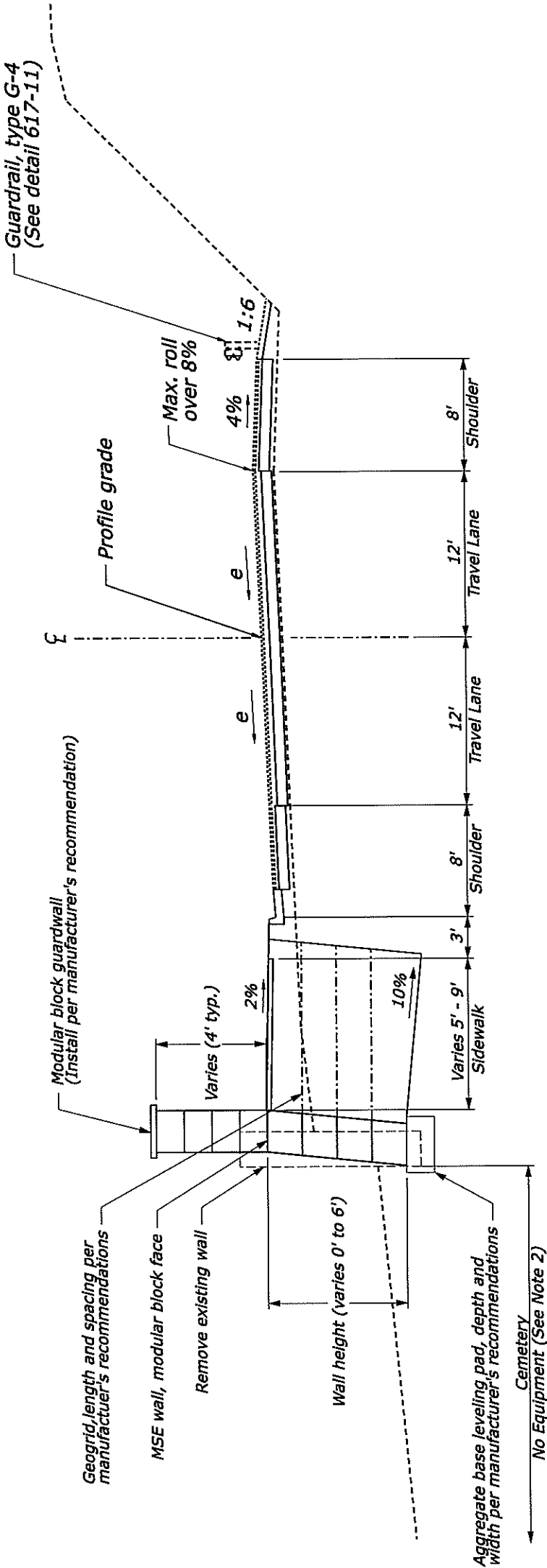
Notes :

- 1. Place topsoil (2 inch depth) and seed all disturbed areas.

REG	STATE	PROJECT	SHEET NO.
SE	VI	VI 66(9)-CONTRACT 3	B9

NOTES:

1. Place topsoil (2 inch depth) and seed all disturbed areas.
2. Perform all work in the cemetery using hand tools only. Do not allow equipment to access the north side of the cemetery wall.



CEMETERY WALL

No Scale

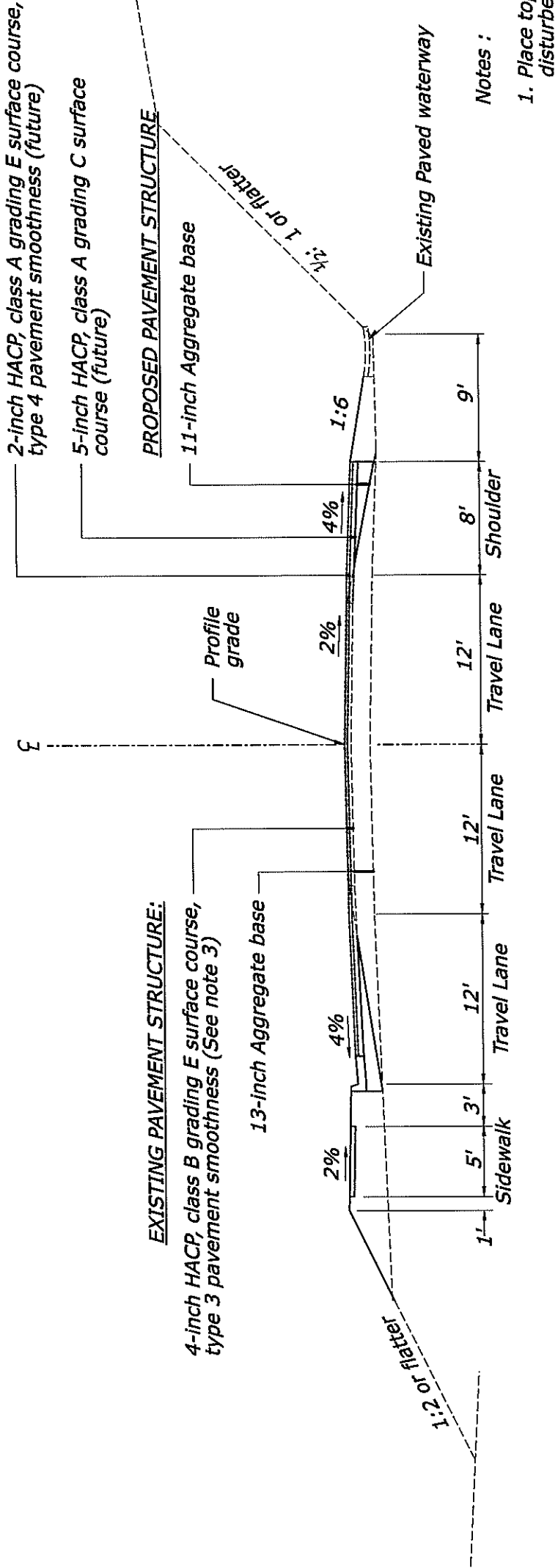
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA

CHRISTIANSTED BYPASS

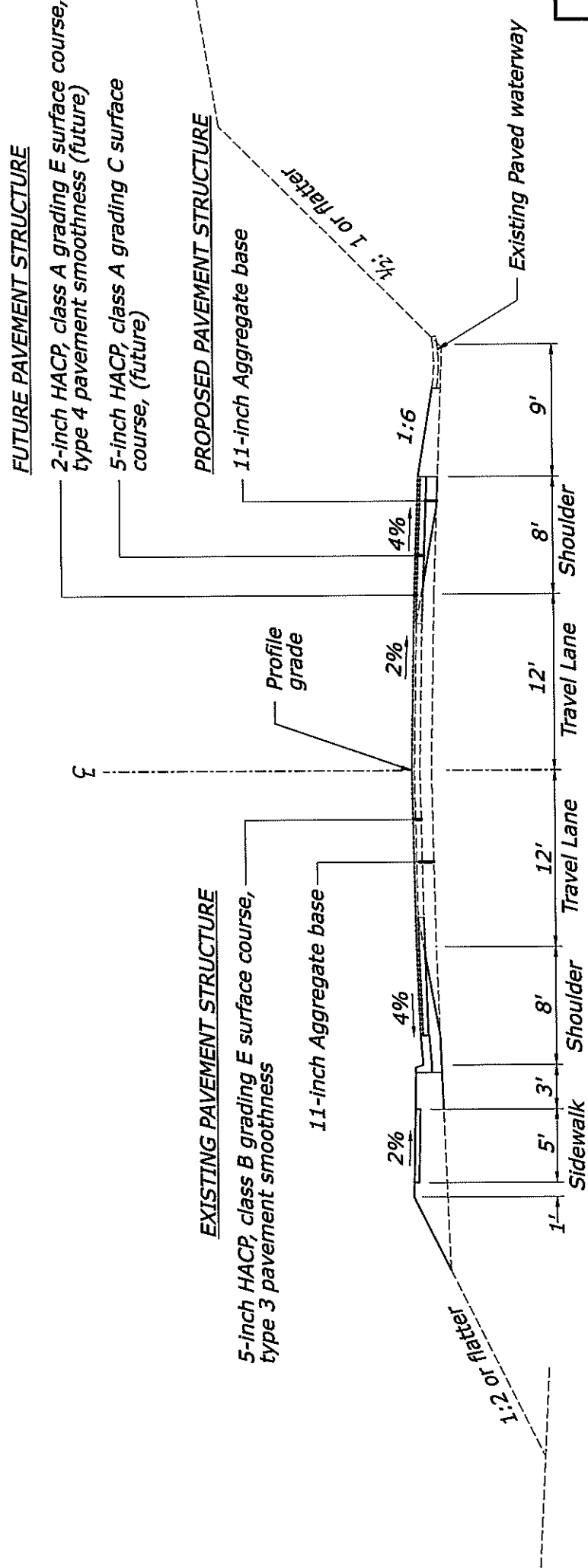
TYPICAL SECTION

55+90 to 57+40

REG	STATE	PROJECT	SHEET NO.
SE	VI	VI 66(9)-CONTRACT 3	B.10



CHRISTIANSTED BYPASS
98+00 TO 99+80



CHRISTIANSTED BYPASS
55+00 TO 59+20

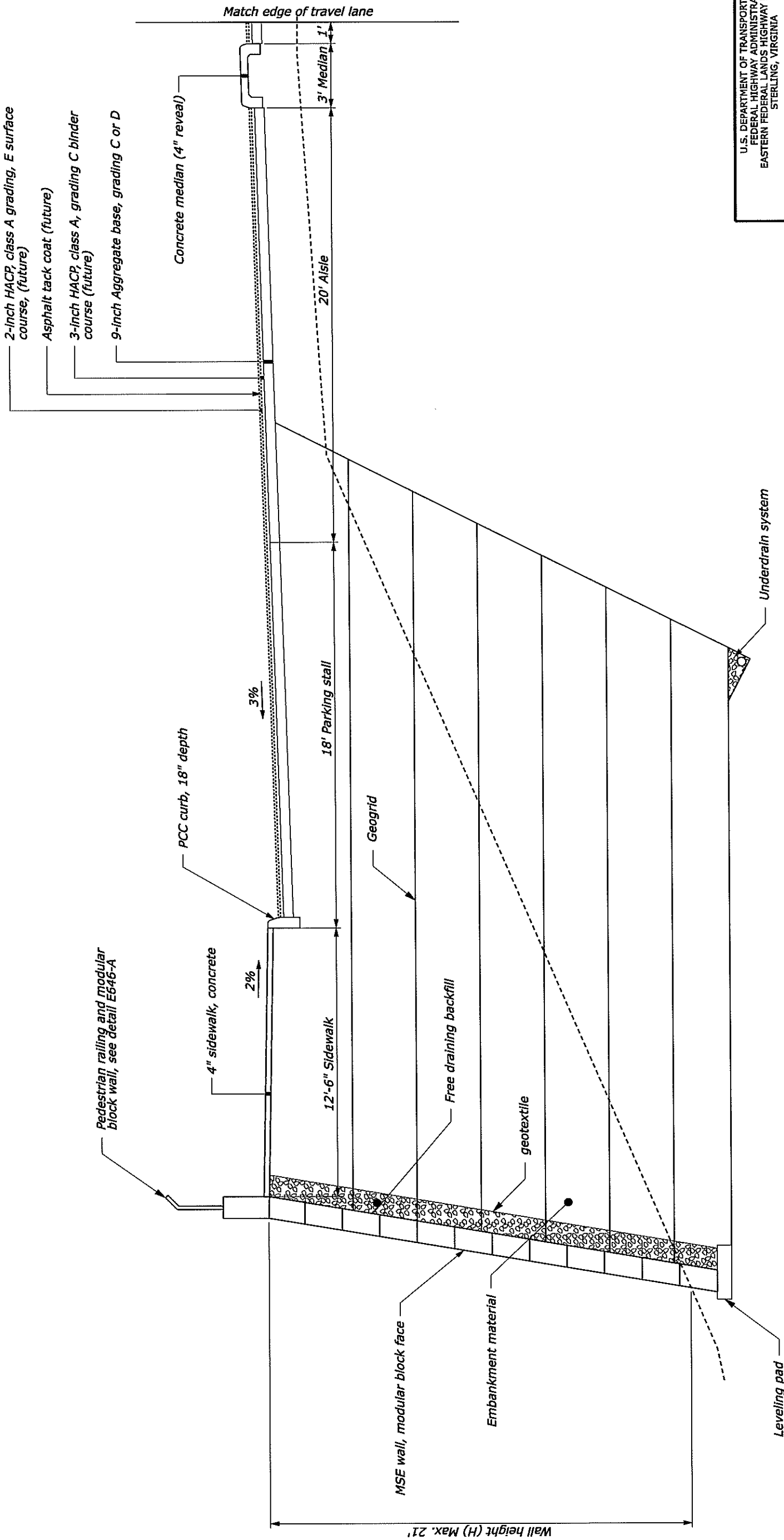
No Scale

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA

CHRISTIANSTED BYPASS

TYPICAL SECTION

REG	STATE	PROJECT	SHEET NO.
SE	VI	VI 66(9)-CONTRACT 3	B12



OVERLOOK

No Scale

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA

CHRISTIANSTED BYPASS

TYPICAL SECTION

85+50 TO 86+50

TABULATION OF BIDS

Bid Schedule A

Project No.: VI 66(9)-CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

State: VI
County:
VIRGIN ISLANDS

Opened at: St. Croix, USVI
By: P. Schaad
Date: 08/12/09

I certify that this Bid Tabulation accurately reflects the bids received and publicly opened for this solicitation.

Signed: PEGGY SCHAAD

Title: CONTRACT SPECIALIST Date: 08/12/09

Contract Awarded to: BETTERROADS ASPHALT Date: 09/03/09

Contractor	Bid Amount	Responsive
Betterroads Asphalt Corporation P. O. Box 21420 San Juan, PR 00928-1420	6,061,692.00	
Tip Top Construction P.O. Box 24933 GBS Christian, VI 00824	7,079,655.00	
Constructora International, USVI, L Bay 4 Roof Tops Estate Frieden Christiansted, St. C, VI 00820	7,329,830.00	
GEC, LLC 13 F Estate Bethlehem P. O. Box 1656 Kingshill, VI 00851	8,652,000.00	
Islands Roads Corporation 6501 Red Hook Plaza Suite 201 St. Thomas, VI 00802	8,692,240.00	
Engineer's Estimate	9,500,000.00	

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
15101-0000	LPSM	MOBILIZATION			
		Betterroads Asphalt Corporation	ALL	403,650.00	403,650.00
		Tip Top Construction		505,000.00	505,000.00
		Constructora International, USVI, L		800,000.00	800,000.00
		GEC, LLC		432,000.00	432,000.00
		Islands Roads Corporation		869,000.00	869,000.00
		ENGINEER'S ESTIMATE		1200381.250	1,200,381.25
15201-0000	LPSM	CONSTRUCTION SURVEY AND STAKING			
		Betterroads Asphalt Corporation	ALL	81,650.00	81,650.00
		Tip Top Construction		75,000.00	75,000.00
		Constructora International, USVI, L		175,000.00	175,000.00
		GEC, LLC		60,000.00	60,000.00
		Islands Roads Corporation		50,000.00	50,000.00
		ENGINEER'S ESTIMATE		197,900.00	197,900.00
15401-0000	LPSM	CONTRACTOR TESTING			
		Betterroads Asphalt Corporation	ALL	110,170.00	110,170.00
		Tip Top Construction		65,000.00	65,000.00
		Constructora International, USVI, L		150,000.00	150,000.00
		GEC, LLC		40,000.00	40,000.00
		Islands Roads Corporation		65,000.00	65,000.00
		ENGINEER'S ESTIMATE		197,900.00	197,900.00
15701-0000	LPSM	SOIL EROSION CONTROL (REMOVAL OF EXISTING SOIL EROSION CONTROL)			
		Betterroads Asphalt Corporation	ALL	5,700.00	5,700.00
		Tip Top Construction		22,000.00	22,000.00
		Constructora International, USVI, L		25,000.00	25,000.00
		GEC, LLC		10,000.00	10,000.00
		Islands Roads Corporation		5,000.00	5,000.00
		ENGINEER'S ESTIMATE		4,500.00	4,500.00
15705-0100	LNFT	SOIL EROSION CONTROL, SILT FENCE (WIRE BACKED)			
		Betterroads Asphalt Corporation	6,950	5.00	34,750.00
		Tip Top Construction		15.00	104,250.00
		Constructora International, USVI, L		10.00	69,500.00
		GEC, LLC		30.00	208,500.00
		Islands Roads Corporation		6.00	41,700.00
		ENGINEER'S ESTIMATE		14.00	97,300.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
15706-1000	EACH	SOIL EROSION CONTROL, INLET PROTECTION			
		Betterroads Asphalt Corporation	32	149.50	4,784.00
		Tip Top Construction		500.00	16,000.00
		Constructora International, USVI, L		1,000.00	32,000.00
		GEC, LLC		1,000.00	32,000.00
		Islands Roads Corporation		500.00	16,000.00
		ENGINEER'S ESTIMATE		2,000.00	64,000.00
15706-1600	EACH	SOIL EROSION CONTROL, STABILIZED CONSTRUCTION ENTRANCE			
		Betterroads Asphalt Corporation	5	2,875.00	14,375.00
		Tip Top Construction		4,500.00	22,500.00
		Constructora International, USVI, L		5,500.00	27,500.00
		GEC, LLC		5,000.00	25,000.00
		Islands Roads Corporation		2,000.00	10,000.00
		ENGINEER'S ESTIMATE		6,000.00	30,000.00
20101-0000	ACRE	CLEARING AND GRUBBING			
		Betterroads Asphalt Corporation	0.1	17,250.00	1,725.00
		Tip Top Construction		25,000.00	2,500.00
		Constructora International, USVI, L		150,000.00	15,000.00
		GEC, LLC		15,000.00	1,500.00
		Islands Roads Corporation		20,000.00	2,000.00
		ENGINEER'S ESTIMATE		10,000.00	1,000.00
20301-1100	EACH	REMOVAL OF GATE			
		Betterroads Asphalt Corporation	2	1,725.00	3,450.00
		Tip Top Construction		500.00	1,000.00
		Constructora International, USVI, L		1,000.00	2,000.00
		GEC, LLC		1,000.00	2,000.00
		Islands Roads Corporation		1,000.00	2,000.00
		ENGINEER'S ESTIMATE		1,900.00	3,800.00
20302-1200	LNFT	REMOVAL OF GUARDRAIL			
		Betterroads Asphalt Corporation	65	46.00	2,990.00
		Tip Top Construction		25.00	1,625.00
		Constructora International, USVI, L		20.00	1,300.00
		GEC, LLC		35.00	2,275.00
		Islands Roads Corporation		50.00	3,250.00
		ENGINEER'S ESTIMATE		17.00	1,105.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
20303-2000	SQYD	REMOVAL OF PAVEMENT, ASPHALT, 4-INCH DEPTH			
		Betterroads Asphalt Corporation	3,500	16.00	56,000.00
		Tip Top Construction		10.00	35,000.00
		Constructora International, USVI, L		10.00	35,000.00
		GEC, LLC		20.00	70,000.00
		Islands Roads Corporation		30.00	105,000.00
		ENGINEER'S ESTIMATE		25.00	87,500.00
20303-3200	SQYD	REMOVAL OF SIDEWALK, CONCRETE			
		Betterroads Asphalt Corporation	90	23.00	2,070.00
		Tip Top Construction		100.00	9,000.00
		Constructora International, USVI, L		75.00	6,750.00
		GEC, LLC		20.00	1,800.00
		Islands Roads Corporation		40.00	3,600.00
		ENGINEER'S ESTIMATE		44.00	3,960.00
20303-3600	SQYD	REMOVAL OF WALL			
		Betterroads Asphalt Corporation	175	20.00	3,500.00
		Tip Top Construction		90.00	15,750.00
		Constructora International, USVI, L		300.00	52,500.00
		GEC, LLC		25.00	4,375.00
		Islands Roads Corporation		40.00	7,000.00
		ENGINEER'S ESTIMATE		170.00	29,750.00
20420-0000	CUYD	EMBANKMENT CONSTRUCTION			
		Betterroads Asphalt Corporation	8,300	25.00	207,500.00
		Tip Top Construction		30.00	249,000.00
		Constructora International, USVI, L		40.00	332,000.00
		GEC, LLC		57.00	473,100.00
		Islands Roads Corporation		100.00	830,000.00
		ENGINEER'S ESTIMATE		48.00	398,400.00
25101-3000	CUYD	PLACED RIPRAP, CLASS 3			
		Betterroads Asphalt Corporation	1	575.00	575.00
		Tip Top Construction		750.00	750.00
		Constructora International, USVI, L		1,000.00	1,000.00
		GEC, LLC		375.00	375.00
		Islands Roads Corporation		400.00	400.00
		ENGINEER'S ESTIMATE		250.00	250.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
25501-3000	SQFT	MECHANICALLY STABILIZED EARTH WALL, MODULAR BLOCK FACE			
		Betterroads Asphalt Corporation	5,600	103.00	576,800.00
		Tip Top Construction		55.00	308,000.00
		Constructora International, USVI, L		100.00	560,000.00
		GEC, LLC		85.00	476,000.00
		Islands Roads Corporation		100.00	560,000.00
		ENGINEER'S ESTIMATE		85.00	476,000.00
30101-4000	TON	AGGREGATE BASE GRADING C OR D			
		Betterroads Asphalt Corporation	16,800	56.00	940,800.00
		Tip Top Construction		45.00	756,000.00
		Constructora International, USVI, L		46.00	772,800.00
		GEC, LLC		65.00	1,092,000.00
		Islands Roads Corporation		60.00	1,008,000.00
		ENGINEER'S ESTIMATE		55.00	924,000.00
40201-0700	TON	HOT ASPHALT CONCRETE PAVEMENT, MARSHALL TEST, CLASS A, GRADING C			
		Betterroads Asphalt Corporation	1,200	230.00	276,000.00
		Tip Top Construction		210.00	252,000.00
		Constructora International, USVI, L		200.00	240,000.00
		GEC, LLC		225.00	270,000.00
		Islands Roads Corporation		250.00	300,000.00
		ENGINEER'S ESTIMATE		280.00	336,000.00
40201-0800	TON	HOT ASPHALT CONCRETE PAVEMENT, MARSHALL TEST, CLASS B, GRADING C			
		Betterroads Asphalt Corporation	610	230.00	140,300.00
		Tip Top Construction		210.00	128,100.00
		Constructora International, USVI, L		200.00	122,000.00
		GEC, LLC		225.00	137,250.00
		Islands Roads Corporation		250.00	152,500.00
		ENGINEER'S ESTIMATE		280.00	170,800.00
41301-0000	SQYD	ASPHALT PAVEMENT MILLING			
		Betterroads Asphalt Corporation	400	57.00	22,800.00
		Tip Top Construction		45.00	18,000.00
		Constructora International, USVI, L		20.00	8,000.00
		GEC, LLC		70.00	28,000.00
		Islands Roads Corporation		25.00	10,000.00
		ENGINEER'S ESTIMATE		25.00	10,000.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
60101-0000	CUYD	CONCRETE (TRANSITION BLOCK AT GUARDWALL CONNECTION)			
	Betterroads Asphalt Corporation		2	2,400.00	4,800.00
	Tip Top Construction			2,500.00	5,000.00
	Constructora International, USVI, L			1,000.00	2,000.00
	GEC, LLC			1,000.00	2,000.00
	Islands Roads Corporation			1,200.00	2,400.00
	ENGINEER'S ESTIMATE			1,600.00	3,200.00
60103-0080	EACH	CONCRETE, HEADWALL FOR 15-INCH PIPE CULVERT			
	Betterroads Asphalt Corporation		1	5,750.00	5,750.00
	Tip Top Construction			9,000.00	9,000.00
	Constructora International, USVI, L			7,500.00	7,500.00
	GEC, LLC			3,975.00	3,975.00
	Islands Roads Corporation			4,000.00	4,000.00
	ENGINEER'S ESTIMATE			2,900.00	2,900.00
60201-0500	LNFT	15-INCH PIPE CULVERT			
	Betterroads Asphalt Corporation		160	103.00	16,480.00
	Tip Top Construction			215.00	34,400.00
	Constructora International, USVI, L			125.00	20,000.00
	GEC, LLC			265.00	42,400.00
	Islands Roads Corporation			250.00	40,000.00
	ENGINEER'S ESTIMATE			310.00	49,600.00
60201-0600	LNFT	18-INCH PIPE CULVERT			
	Betterroads Asphalt Corporation		750	109.00	81,750.00
	Tip Top Construction			220.00	165,000.00
	Constructora International, USVI, L			135.00	101,250.00
	GEC, LLC			280.00	210,000.00
	Islands Roads Corporation			300.00	225,000.00
	ENGINEER'S ESTIMATE			190.00	142,500.00
60201-0800	LNFT	24-INCH PIPE CULVERT			
	Betterroads Asphalt Corporation		55	115.00	6,325.00
	Tip Top Construction			315.00	17,325.00
	Constructora International, USVI, L			160.00	8,800.00
	GEC, LLC			295.00	16,225.00
	Islands Roads Corporation			500.00	27,500.00
	ENGINEER'S ESTIMATE			230.00	12,650.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
60210-0800	EACH	END SECTION FOR 24-INCH PIPE CULVERT			
		Betterroads Asphalt Corporation	1	1,150.00	1,150.00
		Tip Top Construction		2,500.00	2,500.00
		Constructora International, USVI, L		1,500.00	1,500.00
		GEC, LLC		3,500.00	3,500.00
		Islands Roads Corporation		2,000.00	2,000.00
		ENGINEER'S ESTIMATE		2,400.00	2,400.00
60401-0000	EACH	MANHOLE			
		Betterroads Asphalt Corporation	4	3,795.00	15,180.00
		Tip Top Construction		10,000.00	40,000.00
		Constructora International, USVI, L		4,500.00	18,000.00
		GEC, LLC		7,500.00	30,000.00
		Islands Roads Corporation		6,000.00	24,000.00
		ENGINEER'S ESTIMATE		9,000.00	36,000.00
60403-1800	EACH	INLET, TYPE 6A MODIFIED			
		Betterroads Asphalt Corporation	13	3,151.00	40,963.00
		Tip Top Construction		7,500.00	97,500.00
		Constructora International, USVI, L		6,000.00	78,000.00
		GEC, LLC		8,500.00	110,500.00
		Islands Roads Corporation		4,000.00	52,000.00
		ENGINEER'S ESTIMATE		7,500.00	97,500.00
60405-0000	EACH	MANHOLE ADJUSTMENT			
		Betterroads Asphalt Corporation	4	725.00	2,900.00
		Tip Top Construction		2,500.00	10,000.00
		Constructora International, USVI, L		2,500.00	10,000.00
		GEC, LLC		4,000.00	16,000.00
		Islands Roads Corporation		600.00	2,400.00
		ENGINEER'S ESTIMATE		1,100.00	4,400.00
60406-0000	EACH	INLET ADJUSTMENT			
		Betterroads Asphalt Corporation	11	3,295.00	36,245.00
		Tip Top Construction		2,000.00	22,000.00
		Constructora International, USVI, L		3,500.00	38,500.00
		GEC, LLC		750.00	8,250.00
		Islands Roads Corporation		500.00	5,500.00
		ENGINEER'S ESTIMATE		850.00	9,350.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
60421-0000	EACH	OIL/GRIT SEPARATOR (1K BAYSAVER)			
		Betterroads Asphalt Corporation	1	14,230.00	14,230.00
		Tip Top Construction		17,500.00	17,500.00
		Constructora International, USVI, L		25,000.00	25,000.00
		GEC, LLC		60,000.00	60,000.00
		Islands Roads Corporation		25,000.00	25,000.00
		ENGINEER'S ESTIMATE		30,000.00	30,000.00
60901-1700	LNFT	CURB, CONCRETE, 18-INCH DEPTH			
		Betterroads Asphalt Corporation	30	115.00	3,450.00
		Tip Top Construction		200.00	6,000.00
		Constructora International, USVI, L		100.00	3,000.00
		GEC, LLC		55.00	1,650.00
		Islands Roads Corporation		75.00	2,250.00
		ENGINEER'S ESTIMATE		47.00	1,410.00
60902-1100	LNFT	CURB AND GUTTER, CONCRETE, 13-INCH DEPTH			
		Betterroads Asphalt Corporation	8,000	49.50	396,000.00
		Tip Top Construction		60.00	480,000.00
		Constructora International, USVI, L		50.00	400,000.00
		GEC, LLC		57.00	456,000.00
		Islands Roads Corporation		75.00	600,000.00
		ENGINEER'S ESTIMATE		56.00	448,000.00
61102-3450	LNFT	10-INCH WATERLINE, POLYVINYL CHLORIDE (PVC)			
		Betterroads Asphalt Corporation	170	29.00	4,930.00
		Tip Top Construction		275.00	46,750.00
		Constructora International, USVI, L		210.00	35,700.00
		GEC, LLC		125.00	21,250.00
		Islands Roads Corporation		325.00	55,250.00
		ENGINEER'S ESTIMATE		150.00	25,500.00
61104-0400	EACH	VALVE, GATE (10-INCH)			
		Betterroads Asphalt Corporation	2	430.00	860.00
		Tip Top Construction		3,500.00	7,000.00
		Constructora International, USVI, L		3,000.00	6,000.00
		GEC, LLC		5,500.00	11,000.00
		Islands Roads Corporation		4,000.00	8,000.00
		ENGINEER'S ESTIMATE		3,000.00	6,000.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
61501-0100	SQYD	SIDEWALK, CONCRETE			
		Betterroads Asphalt Corporation	4,100	63.25	259,325.00
		Tip Top Construction		85.00	348,500.00
		Constructora International, USVI, L		85.00	348,500.00
		GEC, LLC		75.00	307,500.00
		Islands Roads Corporation		100.00	410,000.00
		ENGINEER'S ESTIMATE		85.00	348,500.00
61503-1000	SQYD	MEDIAN, CONCRETE			
		Betterroads Asphalt Corporation	20	200.00	4,000.00
		Tip Top Construction		1,500.00	30,000.00
		Constructora International, USVI, L		300.00	6,000.00
		GEC, LLC		75.00	1,500.00
		Islands Roads Corporation		100.00	2,000.00
		ENGINEER'S ESTIMATE		250.00	5,000.00
61504-1000	SQYD	ACCESSIBILITY RAMP, CONCRETE			
		Betterroads Asphalt Corporation	40	390.00	15,600.00
		Tip Top Construction		600.00	24,000.00
		Constructora International, USVI, L		600.00	24,000.00
		GEC, LLC		81.00	3,240.00
		Islands Roads Corporation		250.00	10,000.00
		ENGINEER'S ESTIMATE		270.00	10,800.00
61701-1200	LNFT	GUARDRAIL SYSTEM G4, TYPE 2, CLASS A STEEL POSTS			
		Betterroads Asphalt Corporation	1,100	60.00	66,000.00
		Tip Top Construction		95.00	104,500.00
		Constructora International, USVI, L		50.00	55,000.00
		GEC, LLC		80.00	88,000.00
		Islands Roads Corporation		150.00	165,000.00
		ENGINEER'S ESTIMATE		95.00	104,500.00
61701-4100	LNFT	GUARDRAIL SYSTEM CRG, TYPE 2, CLASS A			
		Betterroads Asphalt Corporation	30	92.00	2,760.00
		Tip Top Construction		350.00	10,500.00
		Constructora International, USVI, L		65.00	1,950.00
		GEC, LLC		80.00	2,400.00
		Islands Roads Corporation		125.00	3,750.00
		ENGINEER'S ESTIMATE		92.00	2,760.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
61702-0400	EACH	TERMINAL SECTION, TYPE G4-CRT			
		Betterroads Asphalt Corporation	1	920.00	920.00
		Tip Top Construction		3,750.00	3,750.00
		Constructora International, USVI, L		5,000.00	5,000.00
		GEC, LLC		2,500.00	2,500.00
		Islands Roads Corporation		5,000.00	5,000.00
		ENGINEER'S ESTIMATE		2,300.00	2,300.00
61702-0800	EACH	TERMINAL SECTION TYPE TANGENT			
		Betterroads Asphalt Corporation	2	5,175.00	10,350.00
		Tip Top Construction		4,350.00	8,700.00
		Constructora International, USVI, L		5,000.00	10,000.00
		GEC, LLC		2,500.00	5,000.00
		Islands Roads Corporation		5,000.00	10,000.00
		ENGINEER'S ESTIMATE		3,200.00	6,400.00
61707-1000	LNFT	STRUCTURE TRANSITION RAILING, G4 SYSTEM			
		Betterroads Asphalt Corporation	20	920.00	18,400.00
		Tip Top Construction		300.00	6,000.00
		Constructora International, USVI, L		1,000.00	20,000.00
		GEC, LLC		160.00	3,200.00
		Islands Roads Corporation		150.00	3,000.00
		ENGINEER'S ESTIMATE		65.00	1,300.00
61802-0000	LNFT	CONCRETE GUARDWALL			
		Betterroads Asphalt Corporation	3,600	137.00	493,200.00
		Tip Top Construction		331.00	1,191,600.00
		Constructora International, USVI, L		208.00	748,800.00
		GEC, LLC		475.00	1,710,000.00
		Islands Roads Corporation		200.00	720,000.00
		ENGINEER'S ESTIMATE		550.00	1,980,000.00
61902-0900	EACH	GATE, METAL			
		Betterroads Asphalt Corporation	1	4,025.00	4,025.00
		Tip Top Construction		3,000.00	3,000.00
		Constructora International, USVI, L		15,000.00	15,000.00
		GEC, LLC		7,500.00	7,500.00
		Islands Roads Corporation		1,500.00	1,500.00
		ENGINEER'S ESTIMATE		1,800.00	1,800.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
62401-0100	SQYD	FURNISHING AND PLACING TOPSOIL, 2-INCH DEPTH			
		Betterroads Asphalt Corporation	6,400	4.80	30,720.00
		Tip Top Construction		10.00	64,000.00
		Constructora International, USVI, L		3.00	19,200.00
		GEC, LLC		10.00	64,000.00
		Islands Roads Corporation		15.00	96,000.00
		ENGINEER'S ESTIMATE		4.50	28,800.00
62501-0000	ACRE	TURF ESTABLISHMENT			
		Betterroads Asphalt Corporation	1.5	16,100.00	24,150.00
		Tip Top Construction		25,000.00	37,500.00
		Constructora International, USVI, L		15,000.00	22,500.00
		GEC, LLC		45,000.00	67,500.00
		Islands Roads Corporation		25,000.00	37,500.00
		ENGINEER'S ESTIMATE		12,000.00	18,000.00
62901-1200	SQYD	ROLLED EROSION CONTROL PRODUCT, TYPE 5.A			
		Betterroads Asphalt Corporation	45	230.00	10,350.00
		Tip Top Construction		125.00	5,625.00
		Constructora International, USVI, L		50.00	2,250.00
		GEC, LLC		20.00	900.00
		Islands Roads Corporation		25.00	1,125.00
		ENGINEER'S ESTIMATE		7.75	348.75
63301-0000	EACH	SIGN SYSTEM (PROJECT SIGN)			
		Betterroads Asphalt Corporation	2	2,300.00	4,600.00
		Tip Top Construction		1,500.00	3,000.00
		Constructora International, USVI, L		2,000.00	4,000.00
		GEC, LLC		3,000.00	6,000.00
		Islands Roads Corporation		2,000.00	4,000.00
		ENGINEER'S ESTIMATE		250.00	500.00
63304-0900	SQFT	SIGNS, ALUMINUM PANELS, TYPE 3 SHEETING			
		Betterroads Asphalt Corporation	55	52.00	2,860.00
		Tip Top Construction		200.00	11,000.00
		Constructora International, USVI, L		220.00	12,100.00
		GEC, LLC		125.00	6,875.00
		Islands Roads Corporation		75.00	4,125.00
		ENGINEER'S ESTIMATE		150.00	8,250.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
63401-1500	LNFT	PAVEMENT MARKINGS, TYPE H, SOLID			
	Betterroads Asphalt Corporation		6,500	2.90	18,850.00
	Tip Top Construction			4.00	26,000.00
	Constructora International, USVI, L			3.00	19,500.00
	GEC, LLC			3.00	19,500.00
	Islands Roads Corporation			2.80	18,200.00
	ENGINEER'S ESTIMATE			3.50	22,750.00
63403-0800	SQFT	PAVEMENT MARKINGS, TYPE H			
	Betterroads Asphalt Corporation		150	15.00	2,250.00
	Tip Top Construction			125.00	18,750.00
	Constructora International, USVI, L			15.00	2,250.00
	GEC, LLC			7.00	1,050.00
	Islands Roads Corporation			12.00	1,800.00
	ENGINEER'S ESTIMATE			20.00	3,000.00
63501-0000	LPSM	TEMPORARY TRAFFIC CONTROL (REMOVAL OF EXISTING TRAFFIC CONTROL)			
	Betterroads Asphalt Corporation		ALL	2,300.00	2,300.00
	Tip Top Construction			25,000.00	25,000.00
	Constructora International, USVI, L			10,000.00	10,000.00
	GEC, LLC			5,000.00	5,000.00
	Islands Roads Corporation			15,000.00	15,000.00
	ENGINEER'S ESTIMATE			3,500.00	3,500.00
63502-0600	EACH	TEMPORARY TRAFFIC CONTROL, BARRICADE TYPE 3			
	Betterroads Asphalt Corporation		22	575.00	12,650.00
	Tip Top Construction			750.00	16,500.00
	Constructora International, USVI, L			800.00	17,600.00
	GEC, LLC			600.00	13,200.00
	Islands Roads Corporation			1,500.00	33,000.00
	ENGINEER'S ESTIMATE			700.00	15,400.00
63502-1300	EACH	TEMPORARY TRAFFIC CONTROL, DRUM			
	Betterroads Asphalt Corporation		50	115.00	5,750.00
	Tip Top Construction			350.00	17,500.00
	Constructora International, USVI, L			120.00	6,000.00
	GEC, LLC			600.00	30,000.00
	Islands Roads Corporation			150.00	7,500.00
	ENGINEER'S ESTIMATE			82.00	4,100.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
63502-2000	EACH	TEMPORARY TRAFFIC CONTROL, PORTABLE CHANGEABLE MESSAGE SIGN			
		Betterroads Asphalt Corporation	2	29,000.00	58,000.00
		Tip Top Construction		18,000.00	36,000.00
		Constructora International, USVI, L		25,000.00	50,000.00
		GEC, LLC		46,000.00	92,000.00
		Islands Roads Corporation		40,000.00	80,000.00
		ENGINEER'S ESTIMATE		25,000.00	50,000.00
63503-0700	LNFT	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKINGS			
		Betterroads Asphalt Corporation	2,700	1.15	3,105.00
		Tip Top Construction		2.00	5,400.00
		Constructora International, USVI, L		2.00	5,400.00
		GEC, LLC		3.00	8,100.00
		Islands Roads Corporation		2.80	7,560.00
		ENGINEER'S ESTIMATE		0.50	1,350.00
63503-0800	LNFT	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKING REMOVAL			
		Betterroads Asphalt Corporation	2,700	2.00	5,400.00
		Tip Top Construction		3.00	8,100.00
		Constructora International, USVI, L		1.00	2,700.00
		GEC, LLC		3.00	8,100.00
		Islands Roads Corporation		5.00	13,500.00
		ENGINEER'S ESTIMATE		3.35	9,045.00
63504-1000	SQFT	TEMPORARY TRAFFIC CONTROL, CONSTRUCTION SIGN			
		Betterroads Asphalt Corporation	360	29.00	10,440.00
		Tip Top Construction		125.00	45,000.00
		Constructora International, USVI, L		75.00	27,000.00
		GEC, LLC		125.00	45,000.00
		Islands Roads Corporation		75.00	27,000.00
		ENGINEER'S ESTIMATE		36.00	12,960.00
63506-0500	HOUR	TEMPORARY TRAFFIC CONTROL, FLAGGER			
		Betterroads Asphalt Corporation	80	13.50	1,080.00
		Tip Top Construction		13.50	1,080.00
		Constructora International, USVI, L		13.50	1,080.00
		GEC, LLC		13.50	1,080.00
		Islands Roads Corporation		13.50	1,080.00
		ENGINEER'S ESTIMATE		13.50	1,080.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
63610-0000	LNFT	CONDUIT (CONCRETE ENVELOPE)			
		Betterroads Asphalt Corporation	1,250	30.00	37,500.00
		Tip Top Construction		155.00	193,750.00
		Constructora International, USVI, L		10.00	12,500.00
		GEC, LLC		105.00	131,250.00
		Islands Roads Corporation		25.00	31,250.00
		ENGINEER'S ESTIMATE		44.00	55,000.00
63610-1600	LNFT	CONDUIT, 2-INCH, PVC			
		Betterroads Asphalt Corporation	22,300	13.50	301,050.00
		Tip Top Construction		11.00	245,300.00
		Constructora International, USVI, L		18.00	401,400.00
		GEC, LLC		22.50	501,750.00
		Islands Roads Corporation		35.00	780,500.00
		ENGINEER'S ESTIMATE		35.00	780,500.00
63620-0000	EACH	POLE (FOUNDATION)			
		Betterroads Asphalt Corporation	32	2,260.00	72,320.00
		Tip Top Construction		9,000.00	288,000.00
		Constructora International, USVI, L		4,000.00	128,000.00
		GEC, LLC		1,500.00	48,000.00
		Islands Roads Corporation		1,500.00	48,000.00
		ENGINEER'S ESTIMATE		1,200.00	38,400.00
63621-1000	EACH	UTILITY BOX, PULLBOX			
		Betterroads Asphalt Corporation	99	5,230.00	517,770.00
		Tip Top Construction		1,250.00	123,750.00
		Constructora International, USVI, L		1,000.00	99,000.00
		GEC, LLC		1,900.00	188,100.00
		Islands Roads Corporation		900.00	89,100.00
		ENGINEER'S ESTIMATE		1,400.00	138,600.00
63701-0000	EACH	FIELD OFFICE			
		Betterroads Asphalt Corporation	1	25,300.00	25,300.00
		Tip Top Construction		25,000.00	25,000.00
		Constructora International, USVI, L		50,000.00	50,000.00
		GEC, LLC		35,000.00	35,000.00
		Islands Roads Corporation		50,000.00	50,000.00
		ENGINEER'S ESTIMATE		45,000.00	45,000.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
64502-0000	EACH	LOCATE UTILITIES			
		Betterroads Asphalt Corporation	20	575.00	11,500.00
		Tip Top Construction		1,200.00	24,000.00
		Constructora International, USVI, L		750.00	15,000.00
		GEC, LLC		566.00	11,320.00
		Islands Roads Corporation		500.00	10,000.00
		ENGINEER'S ESTIMATE		1,300.00	26,000.00
64603-0600	EACH	FIXTURE, FLAG POLE			
		Betterroads Asphalt Corporation	2	1,150.00	2,300.00
		Tip Top Construction		8,450.00	16,900.00
		Constructora International, USVI, L		7,000.00	14,000.00
		GEC, LLC		8,360.00	16,720.00
		Islands Roads Corporation		7,000.00	14,000.00
		ENGINEER'S ESTIMATE		6,000.00	12,000.00
64604-3000	LNFT	FIXTURE, PEDESTRIAN RAILING (OVERLOOK)			
		Betterroads Asphalt Corporation	190	56.00	10,640.00
		Tip Top Construction		200.00	38,000.00
		Constructora International, USVI, L		350.00	66,500.00
		GEC, LLC		166.00	31,540.00
		Islands Roads Corporation		150.00	28,500.00
		ENGINEER'S ESTIMATE		290.00	55,100.00
64604-3000	LNFT	FIXTURE, PEDESTRIAN RAILING (CEMETERY)			
		Betterroads Asphalt Corporation	50	96.50	4,825.00
		Tip Top Construction		200.00	10,000.00
		Constructora International, USVI, L		350.00	17,500.00
		GEC, LLC		165.00	8,250.00
		Islands Roads Corporation		150.00	7,500.00
		ENGINEER'S ESTIMATE		200.00	10,000.00
64604-3000	LNFT	FIXTURE, PEDESTRIAN RAILING (SIDEWALK)			
		Betterroads Asphalt Corporation	3,000	57.00	171,000.00
		Tip Top Construction		75.00	225,000.00
		Constructora International, USVI, L		140.00	420,000.00
		GEC, LLC		170.00	510,000.00
		Islands Roads Corporation		150.00	450,000.00
		ENGINEER'S ESTIMATE		80.00	240,000.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
65101-1000	SQYD	DRAPED ROCKFALL PROTECTION, WIRE MESH			
	Betterroads Asphalt Corporation		3,900	82.00	319,800.00
	Tip Top Construction			75.00	292,500.00
	Constructora International, USVI, L			125.00	487,500.00
	GEC, LLC			80.00	312,000.00
	Islands Roads Corporation			100.00	390,000.00
	ENGINEER'S ESTIMATE			90.00	351,000.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

BID TOTAL CHECK PASS

Bidder	Bidder's Bid Amount	Computed Bid Amount	Error
Betterroads Asphalt Corporation	6,061,692.00	6,061,692.00	
Tip Top Construction	7,079,655.00	7,079,655.00	
Constructora International, USVI, L	7,329,830.00	7,329,830.00	
GEC, LLC	8,652,000.00	8,652,000.00	
Islands Roads Corporation	8,692,240.00	8,692,240.00	

The apparent low bidder is 36 % below the engineer's estimate.

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: VI 66 (9) -CONTRACT 3

Project Name: PAVING AND MISC. FOR CHRISTIANSTED BYPASS ST. CROIX

BID ITEM CHECK PASS

Bidder	Item No.	Bidder's Extension	Computed Extension
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No extension errors in this Schedule.

**DEPARTMENT OF TRANSPORTATION
CONTRACTOR'S RELEASE**

CONTRACTOR (Name and Address)

Betterroads Asphalt Corporation
URS Monterrey Esq Calle Andes
Rio Piedras, PR 00926

**ENTER SUM OF TOTAL OF AMOUNTS PAID
AND PAYABLE**

\$6,451,824.91

CONTRACT NO. DTFH71-09-C-00026

Pursuant to the terms of the above numbered contract and in consideration of the sum stated above, which has been paid or is to be paid to the Contractor, or its assignees, the Contractor, upon payment of the said sum by the UNITED STATES OF AMERICA (hereinafter called the Government), does remise, release, and discharge the Government, its officers, agents, and employees, of and from all liabilities, obligations, claims, and demands whatsoever under or arising from the said contract, except:

1. Specified claims in stated amounts or in estimated amounts where the amounts are not susceptible of exact statement by the Contractor, as follows: (or state "None")

2. Claims, together with reasonable expenses incidental thereto, based upon the liabilities of the Contractor to third parties arising out of the performance of this contract, which are not known to the Contractor on the date of the execution of this release and of which the Contractor gives notice in writing to the Contracting Officer within the period specified in the said contract; and

3. Claims for reimbursement of costs (other than expenses of the Contractor by reason of his indemnification of the Government against patent liability) including reasonable expenses incidental thereto, incurred by the Contractor under any provisions of the said contract relating to patents.

The Contractor agrees, in connection with patent matters and with claims which are not released as set forth above, that it will comply with all provisions of the said contract, provisions of the said contract, including without limitation those provisions relating to notification to the Contracting Officer and relating to the defense or prosecution of litigation.

IN WITNESSES WHEREOF, this release has been executed this 3rd day of August, 20 12

WITNESSES

(Contractor)

BY

Antonio J. Díaz, PE

TITLE

Engineering & Sales VP

NOTE: In the case of a corporation, witnesses are not required but the below statement must be completed.

I, Mrs. Frances O. Massó Muñoz, am the Auxiliary secretary of the corporation named as Contractor in the foregoing release; that Antonio J. Díaz who signed said release on behalf of the Contractor was then Engineering & Sales VP of said corporation; release was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.

RECEIVED

AUG 07 2012

Form DOT F 4220-4 (Rev. 5/05) (word)

CONSTRUCTION

Signature

PREVIOUS EDITION OBSOLETE

AUTHORIZED FOR LOCAL REPRODUCTION



OFFICE OF
THE COMMISSIONER

GOVERNMENT OF
THE VIRGIN ISLANDS OF THE UNITED STATES

DEPARTMENT OF PUBLIC WORKS
6002 Estate Anna's Hope
Christiansted, St. Croix, V.I. 00820-4428

Tel: (340) 773-1290
Fax: (340) 773-0670

January 20, 2012

Ms. Melissa L. Ridenour
Division Engineer
Eastern Federal Lands Highways Division
21400 Ridgetop Circle
Sterling, Virginia 20166

**RE: Final Acceptance, Christiansted By-Pass
Project Number VI NH- 66(9) Phase 1B Contract 3**

Dear Ms. Ridenour:

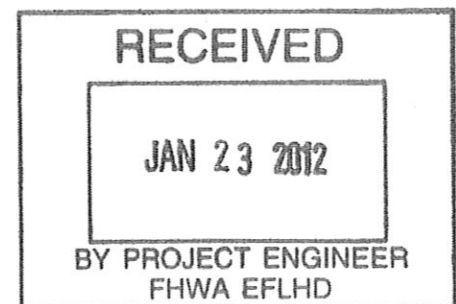
The Department of Public Works is pleased to advise you that as a result of our Final Inspection of the work completed by Better Roads Inc., the Department wishes to report that the work has been satisfactorily completed in conformity with the plans and specifications. Accordingly, final acceptance is effective as of the date of Final Inspection, **September 21, 2011**. As of this date, the contractor is therefore relieved of all maintenance obligations.

Sincerely,


Darryl A. Smalls, P.E.
Commissioner

DAS/WB/jpd

cc: Wystan Benjamin, Federal-aid Highway Program Manager
Jameel Siddiqui, Construction Operations Engineer, EFLHD
Miguel Rodriguez, Project Engineer, EFLHD
John Paul David, Construction Program Manager





U.S. Department
of Transportation
Federal Highway
Administration

Eastern Federal Lands
Highway Division

JUL 31 2012

21400 Ridgetop Circle
Sterling, VA 20166-6511

In Reply Refer To: HFCO-15

FEDERAL EXPRESS

Mr. Antonio J. Diaz
Vice President
Betterroads Asphalt Corporation
URS Monterrey Esq Calle Andes
Rio Piedras, PR 00926

Subject: Project No. VI 66(9) – Contract 3
Christiansted Bypass and Side Roads
Project Closeout
Contract No. DTFH71-09-C-00026

Dear Mr. Diaz:

We are pleased to advise you that all work performed on the above-referenced project has been satisfactorily completed in substantial conformity with the plans and specifications. Final Acceptance was effective on September 21, 2011, and as of that date you were relieved of further maintenance obligations. Enclosed please find the following documents for the subject project:

- The final estimate (Estimate No. 23)
- Two copies of Form 4220.4, Contractor's Release
- Two copies of Form 1034, Public Voucher for Purchases and Services Other than Personal

You are requested to sign and return both copies of Forms 4220.4 and 1034, which are based on the final estimate. Upon receipt of the executed documents, we will process the final payment. If you have any questions, please contact Mr. Jameel A. Siddiqi, Construction Operations Engineer, at 703-404-6259.

Sincerely yours,

Thomas J. Scott, Jr., P.E.
Construction Engineer and
Administrative Contracting Officer



CONSTRUCTION PROJECT MATERIAL CERTIFICATION

State U. S. Virgin Islands Project No. VI 66(9)-CONTRACT 3
Project name Christiansted Bypass & Side Roads Contract No. DTFH71-09-C-00026

Part I - Field Control

It is certified (1) that all material accepted pursuant to this contract complies with the terms of the contract as documented by the project records in according to Federal Lands standards; or (2) that material not complying with the terms of the contract was accepted according to FAR Clause 52.246-12 based on a technical evaluation of the material documented in the project records.

It is further certified (1) that the results of verification tests taken during construction confirm the validity of acceptance tests according to Federal Lands standards; or (2) that inconsistencies between verification and acceptance tests were responded to according to Federal Lands standards and so documented in the project records.

It is further certified (1) for material accepted by manufacturer's certification of compliance, such certifications and accompanying test result (when required) indicate compliance with the terms of the contract; and (2) that if verification tests of such material were taken, the tests confirmed the validity of the certifications, or the discrepancies were responded to according to Federal Lands standards and so documented in the project records.

Project Engineer MIGUEL A RODRIGUEZ DEL VALLE Digitally signed by MIGUEL A RODRIGUEZ DEL VALLE
DN: cn=MIGUEL A RODRIGUEZ DEL VALLE, o=U.S. Department of Transportation, ou=Federal Highway Administration, email=MIGUEL.A.RODRIGUEZ@DOT.GOV, c=US
Date: 2012.07.03 10:13:52 -0400 Date 07/03/2012

Construction Operations Engineer JAMEEL A SIDDIQI Digitally signed by JAMEEL A SIDDIQI
DN: cn=JAMEEL A SIDDIQI, o=U.S. Department of Transportation, ou=Federal Highway Administration, email=JAMEEL.A.SIDDIQI@DOT.GOV, c=US
Date: 2012.07.05 10:13:52 -0400 Date 07/05/2012

Part II - Final Review

It is certified (1) that the results of verification tests taken during construction confirm the validity of the job site acceptance testing and/or manufacturer's certificates; or (2) that inconsistencies are appropriately documented together with the technical basis of acceptance of the material.

Materials Engineer Michael P. Dallaire Digitally signed by Michael P. Dallaire
DN: cn=Michael P. Dallaire, o=U.S. Department of Transportation, ou=Federal Highway Administration, email=Michael.P.Dallaire@DOT.GOV, c=US
Date: 2012.07.26 10:13:52 -0400 Date 7/26/2012

It is certified that the records for this project have been reviewed and confirmed that the acceptance and documentation of all materials complied with Federal Lands standards.

Construction Engineer Thomas J. Scott Jr. Digitally signed by Thomas J. Scott Jr.
DN: cn=Thomas J. Scott Jr., o=U.S. Department of Transportation, ou=Federal Highway Administration, email=Thomas.J.Scott@DOT.GOV, c=US
Date: 2012.07.31 08:32:41 -0400 Date _____

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VI 66(9)-CONTRACT 3 - CHRISTIANSTED BYPASS & SIDE ROADS

Construction of aggregate base, curb and gutter, sidewalks, utilities, drainage structures, retaining walls, hot asphalt concrete pavement, and other miscellaneous work.

TO: Betterroads Asphalt Corp.
P.O. Box 21420
San Juan, PR 00928-1420

CONSTRUCTION SUMMARY

ESTIMATE # 23, final
PERIOD FROM 09/01/11 TO 09/30/11

TOTAL AMOUNT EARNED TO DATE \$6,451,824.91

\$6,451,824.91

*ADJUSTMENTS

\$0.00

CONTRACT NUMBER: DTFH71-09-C-00026
AWARD DATE: September 3, 2009

TOTAL PAYMENTS APPROVED TO DATE

\$6,451,824.91

STATE U. S. Virgini Islands
COUNTIES St. Croix
FOREST OR PARK n/a

TOTAL PAYMENTS PREVIOUSLY PAID

\$6,451,824.91

AMOUNT TO BE PAID THIS ESTIMATE

\$0.00

LENGTH 652 ft

***ADJUSTMENTS**

\$463,823.70

*This estimate submitted by
Miguel Rodriguez, Project Engineer*

*DTFH71-09-C-00026
ESTIMATE # 23, final

100% earned in estimates 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16 and 17 held for unsatisfactory progress

Est. 18 released \$106,830.86 of amounts held est 02 - 17 (5% earned est 18&19 held for unsatisfactory progress)

**Est. 21 released \$413,823.70 of amounts held previously

****Est. 22 released \$50,000.00 of amounts held previously**

line number

ACCOUNT NUMBER

Proj 151578BYPAS03; Org 1578000000; Task 540.00.TT10.78

EXPEND

\$0.00

LIQUIDATE

\$0.00

TOTAL

\$0.00

\$0.00

Jameel Siddiqi date: 14/10/12
Jameel Siddiqi, Construction Operations Engineer

Concur in estimate

Thomas J Scott Construction Engineer

Approve for payment

date:

Teresa Daniel, Financial Manager

Certify funds available

VI 66(9)-CONTRACT 3 - CHRISTIANSTED BYPASS & SIDE ROADS ESTIMATE # 23, final

ITEM NO.	DESCR.	CONTRACTED				ESTIMATED		PROBABLES						
		QUANTITY	CM	AMENDED UNIT	UNIT PRICE	AMOUNT	CURRENT	PREVIOUS	TO DATE	AMOUNT	QUANTITY	AMOUNT		
Schedule A														
15101-0000	MOBILIZATION	100.000		100.000	LP SM	\$403,650.00	\$403,650.00	0.000	100.000	100.000	\$403,650.00	100.000	\$403,650.00	0
15201-0000	CONSTRUCTION SURVEY AND STAKING	100.000		100.000	LP SM	\$81,650.00	\$81,650.00	0.000	100.000	100.000	\$81,650.00	100.000	\$81,650.00	0
15401-0000	CONTRACTOR TESTING	100.000		100.000	LP SM	\$110,170.00	\$110,170.00	0.000	100.000	100.000	\$110,170.00	100.000	\$110,170.00	0
15701-0000	SOIL EROSION CONTROL (REMOVAL OF EXISTING SOIL EROSION CONTROL)	100.000		100.000	LP SM	\$5,700.00	\$5,700.00	0.000	100.000	100.000	\$5,700.00	100.000	\$5,700.00	0
15705-0100	SOIL EROSION CONTROL, SILT FENCE (WIRE BACKED); quantity decrease 1950 per CM #0006, 09/08/11; quantity decrease 441 per CM #0007, 12/07/11	6950.000	-2391.000	4559.000	LN ^{FT}	\$5.00	\$22,795.00	0.000	4559.000	4559.000	\$22,795.00	4559.000	\$22,795.00	0
15706-1000	SOIL EROSION CONTROL, INLET PROTECTION; quantity per CM #0006, 09/08/11	32.000	-19.500	12.500	EACH	\$149.50	\$1,868.75	0.000	12.500	12.500	\$1,868.75	12.500	\$1,868.75	0
235706-1600	SOIL EROSION CONTROL, STABILIZED CONSTRUCTION ENTRANCE; quantity per CM #0005, 07/18/11	5.000	-3.000	2.000	EACH	\$2,875.00	\$5,750.00	0.000	2.000	2.000	\$5,750.00	2.000	\$5,750.00	0
20101-0000	CLEARING AND GRUBBING; quantity increase 1.9 per CM #0003, 08/11/10; quantity decrease .7 per CM #0006, 09/08/11	0.100	1.200	1.300	ACRE	\$17,250.00	\$22,425.00	0.000	1.300	1.300	\$22,425.00	1.300	\$22,425.00	0
20301-1100	REMOVAL OF GATE	2.000		2.000	EACH	\$1,725.00	\$3,450.00	0.000	2.000	2.000	\$3,450.00	2.000	\$3,450.00	0
20302-1200	REMOVAL OF GUARDRAIL	65.000		65.000	LN ^{FT}	\$46.00	\$2,990.00	0.000	65.000	65.000	\$2,990.00	65.000	\$2,990.00	0
20303-2000	REMOVAL OF PAVEMENT, ASPHALT, 4-INCH DEPTH; quantity decrease 93.3 per CM #0006, 09/08/11	3500.000	-93.300	3406.700	SQ ^{YD}	\$16.00	\$54,507.20	0.000	3406.700	3406.700	\$54,507.20	3406.700	\$54,507.20	0
20303-3200	REMOVAL OF SIDEWALK, CONCRETE; quantity increase 55.6 per CM #0007, 12/07/11; quantity decrease 50 per CM #008, 06/27/12	90.000	5.600	95.600	SQ ^{YD}	\$23.00	\$2,198.80	0.000	95.600	95.600	\$2,198.80	95.600	\$2,198.80	0
20303-3600	REMOVAL OF WALL EMBANKMENT CONSTRUCTION; quantity increase 692 per CM #0006, 09/08/11; quantity decrease 92 per CM #0007, 12/07/11	175.000		175.000	SQ ^{YD}	\$20.00	\$3,500.00	0.000	175.000	175.000	\$3,500.00	175.000	\$3,500.00	0
20420-0000		8300.000	600.000	8900.000	C ^{YD}	\$25.00	\$222,500.00	0.000	8900.000	8900.000	\$222,500.00	8900.000	\$222,500.00	0
25101-3000	PLACED RIPRAP, CLASS 3	1.000		1.000	C ^{YD}	\$575.00	\$575.00	0.000	1.000	1.000	\$575.00	1.000	\$575.00	0

VI 66(9)-CONTRACT 3 - CHRISTIANSTED BYPASS & SIDE ROADS ESTIMATE # 23, final

ITEM NO.	DESCR.	CONTRACTED				ESTIMATED		PROBABLES QUANTITY	PROBABLES AMOUNT			
		QUANTITY	CM	AMENDED	UNIT PRICE	AMOUNT	CURRENT			PREVIOUS	TO DATE	AMOUNT
25501-3000	MECHANICALLY STABILIZED EARTH WALL, MODULAR BLOCK FACE; quantity decrease 146.54 per CM #0006, 09/08/11	5600.000	-146.540	5453.460	SQFT	\$103.00	\$561,706.38	0.000	5453.460	5453.460	\$561,706.38	0
		16800.000	1886.600	18686.600	TON	\$56.00	\$1,046,449.60	0.000	18686.600	18686.600	\$1,046,449.60	0
30101-4000	AGGREGATE BASE GRADING C OR D; quantity increase 934.63 per CM #0006, 09/08/11; quantity increase 951.97 per CM #0007, 12/07/11	1200.000	401.710	1601.710	TON	\$230.00	\$368,393.30	0.000	1601.710	1601.710	\$368,393.30	0
		610.000		610.000	TON	\$230.00	\$140,300.00	0.000	610.000	610.000	\$140,300.00	0
40201-0700	HOT ASPHALT CONCRETE PAVEMENT, MARSHALL TEST, CLASS A, GRADING C; quantity increase 410 per CM #0006, 09/08/11; quantity decrease 8.29 per CM #0007, 12/07/11	400.000	-400.000	0.000	SQYD	\$57.00	\$0.00	0.000	0.000	0.000	\$0.00	0
		2.000	-2.000	0.000	CUYD	\$2,400.00	\$0.00	0.000	0.000	0.000	\$0.00	0
60101-0000	GUARDWALL CONNECTION); quantity per CM #0005, 07/18/11	1.000		1.000	EACH	\$5,750.00	\$5,750.00	0.000	1.000	1.000	\$5,750.00	0
		160.000	-10.000	150.000	LNFT	\$103.00	\$15,450.00	0.000	150.000	150.000	\$15,450.00	0
60201-0600	15-INCH PIPE CULVERT; quantity per CM #0005, 07/18/11	750.000	-199.000	551.000	LNFT	\$109.00	\$60,059.00	0.000	551.000	551.000	\$60,059.00	0
		55.000	-7.000	48.000	LNFT	\$115.00	\$5,520.00	0.000	48.000	48.000	\$5,520.00	0
60201-0800	24-INCH PIPE CULVERT; quantity per CM #0005, 07/18/11	1.000		1.000	EACH	\$1,150.00	\$1,150.00	0.000	1.000	1.000	\$1,150.00	0
		4.000		4.000	EACH	\$3,795.00	\$15,180.00	0.000	4.000	4.000	\$15,180.00	0
60403-1800	INLET, TYPE 6A MODIFIED; quantity decrease 1 per CM #0005, 07/18/11; quantity decrease 1 per CM #0006, 09/08/11	13.000	-2.000	11.000	EACH	\$3,151.00	\$34,661.00	0.000	11.000	11.000	\$34,661.00	0
		4.000	1.000	1.000	EACH	\$3,151.00	\$3,151.00	0.000	1.000	1.000	\$3,151.00	0
60405-0000	MANHOLE ADJUSTMENT; quantity increase 6 per CM #0006, 09/08/11	4.000	6.000	10.000	EACH	\$725.00	\$7,250.00	0.000	10.000	10.000	\$7,250.00	0

VI 66(9)-CONTRACT 3 - CHRISTIANSTED BYPASS & SIDE ROADS ESTIMATE # 23, final

ITEM NO.	DESCR.	CONTRACTED				ESTIMATED			PROBABLES			
		QUANTITY	CM	AMENDED	UNIT PRICE	AMOUNT	CURRENT	PREVIOUS	TO DATE	AMOUNT	QUANTITY	AMOUNT
60406-0000	INLET ADJUSTMENT; quantity decrease 2 per CM #0006, 09/08/11	11.000	-2.000	9.000	EACH	\$3,295.00	\$29,655.00	0.000	9.000	9.000	\$29,655.00	0
60421-0000	OIL/GRIT SEPARATOR (1K BAYS/SAVER)	1.000		1.000	EACH	\$14,230.00	\$14,230.00	0.000	1.000	1.000	\$14,230.00	0
60901-1700	CURB, CONCRETE, 18-INCH DEPTH; quantity per CM #0005, 07/18/11	30.000	-30.000	0.000	LNFT	\$115.00	\$0.00	0.000	0.000	0.000	\$0.00	0
60901-1700	CM #0005, 07/18/11; CURB, CONCRETE, 18-INCH DEPTH (new unit price); 300 LNFT; quantity decrease 133 per CM #0007, 12/07/11	167.000		167.000	LNFT	\$90.00	\$15,030.00	0.000	167.000	167.000	\$15,030.00	0
60902-1100	CURB AND GUTTER, CONCRETE, 13-INCH DEPTH; quantity increase 164 per CM #0005, 07/18/11; quantity decrease 67.1 per CM #0007, 12/07/11; quantity decrease 50 per CM #008, 06/27/12	8000.000	46.900	8046.900	LNFT	\$49.50	\$398,321.55	0.000	8046.900	8046.900	\$398,321.55	0
61102-3450	10-INCH WATERLINE, POLYVINYL CHLORIDE (PVC); quantity per CM #0005, 07/18/11	170.000	-3.500	166.500	LNFT	\$29.00	\$4,828.50	0.000	166.500	166.500	\$4,828.50	0
61102-3700	CM #0003, 08/11/10; 12-INCH WATERLINE, POLYVINYL CHLORIDE (PVC) C-900 (RELOCATE), 600 LNFT; quantity decrease 20 per CM #0005, 07/18/11	580.000		580.000	LNFT	\$172.50	\$100,050.00	0.000	580.000	580.000	\$100,050.00	0
61104-0400	VALVE, GATE (10-INCH) CM #0003, 08/11/10; VALVE, GATE (12-INCH), (2 each); quantity decrease 1 per CM #0004, 05/31/11	2.000		2.000	EACH	\$430.00	\$860.00	0.000	2.000	2.000	\$860.00	0
61104-1000	SIDEWALK, CONCRETE; quantity per CM #0007, 12/07/11	1.000		1.000	EACH	\$11,500.00	\$11,500.00	0.000	1.000	1.000	\$11,500.00	0
61501-0100	MEDIAN, CONCRETE; quantity increase 869 per CM #0006, 09/08/11	4100.000	-99.200	4000.800	SQYD	\$63.25	\$253,050.60	0.000	4000.800	4000.800	\$253,050.60	0
61503-1000	ACCESSIBILITY RAMP, CONCRETE; quantity increase 29.72 per CM #0006, 09/08/11; quantity decrease 3 per CM #0007, 12/07/11	20.000	8.690	28.690	SQYD	\$200.00	\$5,738.00	0.000	28.690	28.690	\$5,738.00	0
61504-1000		40.000	26.720	66.720	SQYD	\$390.00	\$26,020.80	0.000	66.720	66.720	\$26,020.80	0

VI 66(9)-CONTRACT 3 - CHRISTIANSTED BYPASS & SIDE ROADS ESTIMATE # 23, final

ITEM NO.	DESCR.	CONTRACTED				AMOUNT	ESTIMATED		PROBABLES				
		QUANTITY	CM	AMENDED	UNIT PRICE		CURRENT	PREVIOUS	TO DATE	AMOUNT	QUANTITY	AMOUNT	
61701-1200	GUARDRAIL SYSTEM G4, TYPE 2, CLASS A STEEL POSTS; quantity decrease 106.25 per CM #0006, 09/08/11; quantity decrease 24.95 per CM #0007, 12/07/11	1100.000	-131.200	968.800	LNFT	\$58,128.00	0.000	968.800	968.800	\$58,128.00	968.800	\$58,128.00	0
		30.000	-30.000	0.000	LNFT	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
		1.000	1.000	2.000	EACH	\$1,840.00	0.000	2.000	2.000	\$1,840.00	2.000	\$1,840.00	0
61701-4100	GUARDRAIL SYSTEM CRG, TYPE 2, CLASS A; quantity per CM #0006, 09/08/11	2.000		2.000	EACH	\$10,350.00	0.000	2.000	2.000	\$10,350.00	2.000	\$10,350.00	0
		20.000	-20.000	0.000	LNFT	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
		3600.000	-220.000	3380.000	LNFT	\$463,060.00	0.000	3380.000	3380.000	\$463,060.00	3380.000	\$463,060.00	0
61702-0800	TERMINAL SECTION TYPE TANGENT STRUCTURE TRANSITION RAILING, G4 SYSTEM; quantity per CM #0006, 09/08/11	1.000		1.000	EACH	\$4,025.00	0.000	1.000	1.000	\$4,025.00	1.000	\$4,025.00	0
		20.000	-20.000	0.000	LNFT	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
		3600.000	-220.000	3380.000	LNFT	\$463,060.00	0.000	3380.000	3380.000	\$463,060.00	3380.000	\$463,060.00	0
62401-0100	GATE, METAL FURNISHING AND PLACING TOPSOIL, 2-INCH DEPTH; quantity increase 1272.41 per CM #0006, 09/08/11; quantity decrease 275.41 per CM #0007, 12/07/11	1.500		1.500	ACRE	\$24,150.00	0.000	1.500	1.500	\$24,150.00	1.500	\$24,150.00	0
		6400.000	997.000	7397.000	SOYD	\$35,505.60	0.000	7397.000	7397.000	\$35,505.60	7397.000	\$35,505.60	0
		1.500		1.500	ACRE	\$24,150.00	0.000	1.500	1.500	\$24,150.00	1.500	\$24,150.00	0
62501-0000	ROLLED EROSION CONTROL PRODUCT, TYPE 5.A; quantity per CM #0006, 09/08/11	45.000	-45.000	0.000	SOYD	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
		2.000		2.000	EACH	\$4,600.00	0.000	2.000	2.000	\$4,600.00	2.000	\$4,600.00	0
		55.000	-4.000	51.000	SOFT	\$2,652.00	0.000	51.000	51.000	\$2,652.00	51.000	\$2,652.00	0
63301-0000	SIGNS, ALUMINUM PANELS, TYPE 3 SHEETING; quantity decrease 4 per CM #0005, 07/18/11	6500.000	-1560.000	4940.000	LNFT	\$14,326.00	0.000	4940.000	4940.000	\$14,326.00	4940.000	\$14,326.00	0
		150.000	-72.000	78.000	SOFT	\$1,170.00	0.000	78.000	78.000	\$1,170.00	78.000	\$1,170.00	0
		100.000		100.000	LPSM	\$2,300.00	0.000	100.000	100.000	\$2,300.00	100.000	\$2,300.00	0
63401-1500	PAVEMENT MARKINGS, TYPE H; SOLID; quantity per CM #0007, 12/07/11	22.000		22.000	EACH	\$12,650.00	0.000	22.000	22.000	\$12,650.00	22.000	\$12,650.00	0
		50.000		50.000	EACH	\$5,750.00	0.000	50.000	50.000	\$5,750.00	50.000	\$5,750.00	0
63403-0800	PAVEMENT MARKINGS, TYPE H; quantity per CM #0007, 12/07/11												
63501-0000	(REMOVAL OF EXISTING TRAFFIC CONTROL)												
63502-0600	TEMPORARY TRAFFIC CONTROL, BARRICADE TYPE 3												
63502-1300	TEMPORARY TRAFFIC CONTROL, DRUM												

VI 66(9)-CONTRACT 3 - CHRISTIANSTED BYPASS & SIDE ROADS ESTIMATE # 23, final

ITEM NO.	DESCR.	CONTRACTED			ESTIMATED			PROBABLES			
		QUANTITY	CM	AMENDED UNIT	UNIT PRICE	AMOUNT	CURRENT PREVIOUS	TO DATE	AMOUNT	QUANTITY	AMOUNT
63502-2000	TEMPORARY TRAFFIC CONTROL, PORTABLE CHANGEABLE MESSAGE SIGN	2.000		2.000 EACH	\$29,000.00	\$58,000.00	0.000	2.000	\$58,000.00	2.000	\$58,000.00
		2700.000	410.000	3110.000 LNFT	\$1.15	\$3,576.50	0.000	3110.000	\$3,576.50	3110.000	\$3,576.50
63503-0700	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKINGS; quantity increase 410 per CM #0006, 09/08/11	2700.000	-2016.000	684.000 LNFT	\$2.00	\$1,368.00	0.000	684.000	\$1,368.00	684.000	\$1,368.00
		360.000	-161.000	199.000 SQFT	\$29.00	\$5,771.00	0.000	199.000	\$5,771.00	199.000	\$5,771.00
63503-0800	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKING REMOVAL; quantity per CM #0007, 12/07/11	80.000		80.000 HOUR	\$13.50	\$1,080.00	0.000	80.000	\$1,080.00	80.000	\$1,080.00
		1250.000	-35.000	1215.000 LNFT	\$30.00	\$36,450.00	0.000	1215.000	\$36,450.00	1215.000	\$36,450.00
63610-0000	CONDUIT (CONCRETE ENVELOPE); quantity increase 250 per CM #0003, 08/11/10; quantity decrease 185 per CM #0006, 09/08/11; quantity decrease 100 per CM #008, 06/27/12	22300.000	-593.000	21707.000 LNFT	\$13.50	\$293,044.50	0.000	21707.000	\$293,044.50	21707.000	\$293,044.50
		32.000		32.000 EACH	\$2,260.00	\$72,320.00	0.000	32.000	\$72,320.00	32.000	\$72,320.00
63620-0000	POLE (FOUNDATION) UTILITY BOX, PULLBOX; quantity decrease 1 per CM #008, 06/27/12	99.000	-1.000	98.000 EACH	\$5,230.00	\$512,540.00	0.000	98.000	\$512,540.00	98.000	\$512,540.00
		1.000		1.000 EACH	\$25,300.00	\$25,300.00	0.000	1.000	\$25,300.00	1.000	\$25,300.00
64502-0000	LOCATE UTILITIES FIXTURE, FLAG POLE	20.000		20.000 EACH	\$575.00	\$11,500.00	0.000	20.000	\$11,500.00	20.000	\$11,500.00
		2.000		2.000 EACH	\$1,150.00	\$2,300.00	0.000	2.000	\$2,300.00	2.000	\$2,300.00
64604-3000	FIXTURE, PEDESTRIAN RAILING (OVERLOOK); quantity per CM #0005, 07/18/11	190.000	-17.200	172.800 LNFT	\$56.00	\$9,676.80	0.000	172.800	\$9,676.80	172.800	\$9,676.80
		50.000	7.000	57.000 LNFT	\$96.50	\$5,500.50	0.000	57.000	\$5,500.50	57.000	\$5,500.50
64604-3000	FIXTURE, PEDESTRIAN RAILING (CEMETER); quantity per CM #0005, 07/18/11	3000.000	133.000	3133.000 LNFT	\$57.00	\$178,581.00	0.000	3133.000	\$178,581.00	3133.000	\$178,581.00

VI 66(9)-CONTRACT 3 - CHRISTIANSTED BYPASS & SIDE ROADS ESTIMATE # 23, final

ITEM NO.	DESCR.	CONTRACTED			ESTIMATED			PROBABLES	
		QUANTITY	CM	AMENDED UNIT PRICE	AMOUNT	CURRENT	PREVIOUS TO DATE	QUANTITY	AMOUNT
65101-1000	DRAPED ROCK-FALL PROTECTION, WIRE MESH: quantity increase 1380 per CM #0003, 08/11/10; quantity decrease .2 per CM #0005, 07/18/11 CM #0003, 08/11/10; CONTRACT	3900.000	1327.800	5227.800 SQYD	\$82.00 \$428,679.60	0.000	5227.800	5227.800	\$428,679.60
66601-0000	MODIFICATION WORK (REMOVAL OF VEGETATION AT HISTORICAL SITE) CM #0004, 05/31/11; CONTRACT	100.000	100.000	LP5M	\$1,610.00 \$1,610.00	0.000	100.000	100.000	\$1,610.00
66601-0000	MODIFICATION WORK (COMPENSATE THE CONTRACTOR FOR ACTUAL COST OF 12-INCH GATE VALVE, NOT USED AND HANDLED OVER TO THE DPW) CM #0004, 05/31/11; CONTRACT	100.000	100.000	LP5M	\$3,634.19 \$3,634.19	0.000	100.000	100.000	\$3,634.19
66601-0000	MODIFICATION WORK (INSTALL 4-4 INCH AND 2-6 INCH PVC CONDUITS, ENCASED IN CONCRETE, COMPLETE IN PLACE, ACROSS THE BYPASS AT STATIONS 42+00, 76+50, AND 83+50) CM #0005, 07/18/11; CONTRACT	100.000	100.000	LP5M	\$29,541.89 \$29,541.89	0.000	100.000	100.000	\$29,541.89
66601-0000	MODIFICATION WORK (RIPRAP CHANNEL, REMOVAL OF EXCESS MATERIAL, ESTABLISH BERM) CM #0006, 09/08/11; CONTRACT	100.000	100.000	LP5M	\$5,665.48 \$5,665.48	0.000	100.000	100.000	\$5,665.48
66601-0000	MODIFICATION WORK (SLOPE REPAIR AT STATION 37+20) CM #0004, 05/31/11; CONTRACT	100.000	100.000	LP5M	\$21,844.25 \$21,844.25	0.000	100.000	100.000	\$21,844.25
66603-0000	MODIFICATION WORK (INLET MODIFICATION WORK COMPLETE WITH CONNECTIONS AT STATIONS 96+50, 97+00, 98+15, AND 99+00) CM #0004, 05/31/11; CONTRACT	4.000	4.000	EACH	\$6,590.00 \$26,360.00	0.000	4.000	4.000	\$26,360.00
66603-0000	MODIFICATION WORK (INLET MODIFICATION WORK COMPLETE WITH CONNECTIONS AT STATION 99+36) CM #0004, 05/31/11; CONTRACT	1.000	1.000	EACH	\$8,237.50 \$8,237.50	0.000	1.000	1.000	\$8,237.50

VI 66(9)-CONTRACT 3 - CHRISTIANSTED BYPASS & SIDE ROADS ESTIMATE # 23, final

ITEM NO.	DESCR.	CONTRACTED			ESTIMATED			PROBABLES		OVERRU QUANTIT
		QUANTITY	CM	AMENDED UNIT PRICE	AMOUNT	CURRENT PREVIOUS	TO DATE	QUANTITY	AMOUNT	
66603-0000	CM #0005, 07/18/11; CONTRACT MODIFICATION WORK (COMPENSATE THE CONTRACTOR FOR ONE INLET; 6A, MODIFIED (GRATE ONLY) THAT WAS DELETED FROM THE PROJECT)	1,000		1,000 EACH	\$702.62	0.000	1,000	1,000	\$702.62	0

VI 66(9)-CONTRACT 3 - CHRISTIANSTED BYPASS & SIDE ROADS ESTIMATE # 23, final

CONSTRUCTION	BID	TO DATE	PROBABLE
CONTRACT	\$6,061,692.00	\$6,451,824.91	\$6,451,824.91
DBE INCENTIVE	\$0.00	\$0.00	\$0.00
QUALITY INCENTIVE	\$0.00	\$0.00	\$0.00
SMOOTHNESS INCENTIVE	\$0.00	\$0.00	\$0.00
TOTAL	\$6,061,692.00	\$6,451,824.91	\$6,451,824.91
FUNDS AUTHORIZED			
Proj Acct	Proj 151578BYPAS03; Org 1578000000; Task 540.00.TT10.78		
	\$6,061,692.00	\$6,467,789.23	\$6,467,789.23
TOTAL	\$6,061,692.00	\$6,467,789.23	\$6,467,789.23
BALANCE OR DEFICIT	\$0.00	\$15,964.32	\$15,964.32
CONSTRUCTION ENGINEERING	AUTHORIZED	TO DATE	PROBABLE
TOTAL-ALL WORK CODES	\$0.00	\$601,410.57	\$725,000.00
			11.24%
C E BREAKDOWN	FUNCTION C	FUNCTION I	FUNCTION M
*TO DATE AUTHORIZED			
EXPENDED	\$497,673.43	\$89,843.60	\$13,893.54
PROBABLE	\$500,000.00	\$200,000.00	\$25,000.00
EXPENDED PER DELPHI REPORTS AS OF 07/24/12 & PP 14			
*CE AUTH. PER DELPHI			PE in house =
DELPHI CE ACCOUNT NUMBERS			Proj 151578BYPAS03; Org 1578000000; Task 520.C0.TT10.78
ACCOUNT NUMBER FOR PYRL:			
DATE TIME BEGAN:	11/02/09		
DATE CONTRACT COMPLETE:	12/31/09		
DAYS ALLOWED:	355		
EXTENSIONS GRANTED BY CM#0003	60	12/21/10	
EXTENSIONS GRANTED BY CM#0004	151	05/21/11	
EXTENSIONS GRANTED BY CM#0005	63	07/23/11	
EXTENSIONS GRANTED BY CM#0006	34	08/26/11	
EXTENSIONS GRANTED BY CM#0007	33	09/28/11	
TOTAL DAYS ALLOWED	696		
DAYS USED TO DATE	698	09/30/11	
TIME USED	100.29%		
to date/allowed			
WORK COMPLETE	100.00%		
to date/probable			
CONSTR FUNDS USED	99.75%		
to date/allotted			
CE FUNDS USED	#DIV/0!		
to date/allotted			
CE BUDGET USED	82.95%		
TOTAL INCREASE DUE TO CMS	\$603,342.18		
TOTAL DECREASE DUE TO CMS	-\$213,209.27		
	\$390,132.91		
TOTAL INCREASE DUE TO OVERRUNS	\$0.00		
TOTAL DECREASE DUE TO OVERRUNS	\$0.00		
CM #0001, 03/01/10; cease work			
CM #0002, 03/03/10; resume work			
CM #0003, 08/11/10	\$277,281.00	\$277,281.00	
CM #0004, 05/31/11	\$56,273.58	\$56,273.58	

FISCAL DATA RECORD

VI 66(9) Contract - 3

CONTRACT DTFH71-09-C-00026
with **BETTERROADS ASPHALT CORPORATION**

disbursements to:

BANK

CITY, STATE ZIP

ABA #

(ACCT.NO.) ACCOUNT NAME

CURRENT PROBABLES \$ 6,451,824.91

% TIME COMPLETE 100.00%

%WORK COMPLETE 100.00%

Proj 151578BYPAS03; Org 1578000000; Task 540.00.TT10.78

Date	Explanation	Disbursed	Allotment	Obligated	Liquidated	Unliq. Bal.	Unoblig. Bal.
			\$9,500,000.00			\$0.00	\$9,500,000.00
			(\$3,438,308.00)			\$0.00	\$6,061,692.00
09/03/09	contract award amount			\$6,061,692.00		\$6,061,692.00	\$0.00
	no incentives					\$6,061,692.00	\$0.00
02/11/10	est 01	\$40,609.95			\$40,609.95	\$6,021,082.05	\$0.00
03/01/10	CM #0001, cease work					\$6,021,082.05	\$0.00
03/03/10	CM #0002, resume work					\$6,021,082.05	\$0.00
03/23/10	est 02	\$135,999.21			\$135,999.21	\$5,885,082.84	\$0.00
04/22/10	est 03	\$781,396.29			\$781,396.29	\$5,103,686.55	\$0.00
05/24/10	est 04	\$198,932.84			\$198,932.84	\$4,904,753.71	\$0.00
06/22/10	est 05	\$189,950.99			\$189,950.99	\$4,714,802.72	\$0.00
07/22/10	est 06	\$160,015.44			\$160,015.44	\$4,554,787.28	\$0.00
07/02/10	PR 77 o/r, water line, etc		\$277,281.00			\$4,554,787.28	\$277,281.00
08/11/10	CM #0003 incl. 60 days			\$277,281.00		\$4,832,068.28	\$0.00
08/26/10	est 07	\$218,265.14			\$218,265.14	\$4,613,803.14	\$0.00
08/22/10	est 08	\$284,536.30			\$284,536.30	\$4,329,266.84	\$0.00
10/26/10	est 09	\$167,051.14			\$167,051.14	\$4,162,215.70	\$0.00
11/22/10	est 10	\$205,120.92			\$205,120.92	\$3,957,094.78	\$0.00
12/21/10	est 11	\$290,489.44			\$290,489.44	\$3,666,605.34	\$0.00
02/01/11	est 12	\$234,616.09			\$234,616.09	\$3,431,989.25	\$0.00
02/18/11	est 13	\$170,734.21			\$170,734.21	\$3,261,255.04	\$0.00
02/14/11	PR 11057 \$56,274.00 uts, inlets, gate valve					\$3,261,255.04	\$0.00
03/22/11	est 14	\$488,652.43			\$488,652.43	\$2,772,602.61	\$0.00
04/19/11	est 15	\$423,466.53			\$423,466.53	\$2,349,136.08	\$0.00
05/19/11	est 16	\$526,431.88			\$526,431.88	\$1,822,704.20	\$0.00
05/18/11	02/14/11 PR appro TT10		\$56,274.00			\$1,822,704.20	\$56,274.00
05/31/11	CM #0004			\$56,273.58		\$1,878,977.78	\$0.42
06/22/11	est 17	\$331,730.09			\$331,730.09	\$1,547,247.69	\$0.42
07/18/11	CM #0005				\$27.50	\$1,547,220.19	\$27.92
07/21/11	est 18	\$425,364.07			\$425,364.07	\$1,121,856.12	\$27.92
08/19/11	est 19	\$268,140.98			\$268,140.98	\$853,715.14	\$27.92
	08/15/11 PR appro TT10	\$72,542.23				\$853,715.14	\$27.92
09/08/11	CM #0006		\$72,542.23	\$72,542.23		\$926,257.37	\$27.92
12/07/11	CM #0007 \$-31.40				\$31.40	\$926,225.97	\$59.32
09/22/11	est 20	\$127,155.54			\$127,155.54	\$799,070.43	\$59.32
10/25/11	est 21	\$679,828.51			\$679,828.51	\$119,241.92	\$59.32
06/27/12	CM #008 \$(15,905.00)				\$15,905.00	\$103,336.92	\$15,964.32
08/07/12	est 22	\$103,336.92			\$103,336.92	\$0.00	\$15,964.32
11/15/12	est 23, final	\$0.00			\$0.00	\$0.00	\$15,964.32
	interest est. 10 appears twice	\$71.22	\$71.22			\$0.00	\$15,964.32
	interest est. 10 appears twice	\$71.22	\$71.22			\$0.00	\$15,964.32
	dbl.posted int. est. 10 reversed	(\$71.22)	(\$71.22)			\$0.00	\$15,964.32
	TOTALS	\$6,451,896.13	\$6,467,860.45	\$6,467,788.81	\$6,467,788.81	\$0.00	\$15,964.32



Looking north along the Bypass alignment, new aggregate base, curb, sidewalk, safety rails, etc.



Looking north, newly paved section of Bypass, approximate Station 32+00



Looking north, newly paved section of Bypass. Parking area for historic site is on left.



Looking south along Bypass alignment



Parking area at Overlook (sidewalk, wall section, handrails, street light foundations, and flag pole foundation visible)



Reconstructed Cemetery wall