



U.S. Department
of Transportation

Federal Highway
Administration

Eastern Federal Lands
Highway Division

Final Construction Report

Project No.: VI NH-70(9)

Location: was located in Frederiksted, St. Croix, U.S. Virgin Islands

Description: Reconstruction of the roadway; relocation of the existing mall entrance; the installation of a new signalization system; curb and gutter; and drainage improvements at the intersection of the Sunshine Mall and Route 70 (Queen Mary Highway)

Submitted by Daniel Camacho
Project Engineer

Recommended by:

James M. Matthews
Construction Operations Engineer

09/23/2014

Date

Approved by:

Thomas J. Scott, Jr.
Construction Engineer

12-21-14

Date

**FINAL CONSTRUCTION REPORT
PROJECT VI NH-70(9)**

Roadway improvements at the Sunshine Mall and Route 70 (Queen Mary Highway)

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FINAL CONSTRUCTION REPORT

Project VI-NH 70(9) SUNSHINE MALL

I. PROJECT DESCRIPTION

- A. Project Number** - Project VI NH – 70(9) was located in Frederiksted, St. Croix, U.S. Virgin Islands.
- B. Description of Work** – Reconstruction of the roadway; relocation of the existing mall entrance; the installation of a new signalization system; curb and gutter; and drainage improvements at the intersection of the Sunshine Mall and Route 70 (Queen Mary Highway).
- C. Environmental Considerations –**

National Environmental Policy Act (NEPA): In accordance with 23 CFR Chapter 1 Part 771.117(d) (1&3) a Categorical Exclusion was prepared and signed by the Federal Highway Administration (FHWA) on July 21, 2003.

SHPO – 106 Concurrence: By letter dated January 3, 2007, the U. S. Virgin Islands determined that there were no known cultural resources within the proposed project area protected under the requirements of Section 106 of the National Historic Preservation Act.

FWS Section 7 Concurrence (Endangered Species): By stamp dated July 25, 2003, the U. S. Virgin Islands and Virgin Islands Department of Public Works concurred that there were no known adverse effects anticipated on resources protected by the Endangered Species Act of 1973.

Department of Planning and Natural Resources, Division of Permits (DPNR) – Permit No. STX 360-03 and 355-03 approved and issued on July 11, 2003, expired on January 2004, extended by DPNR by letter dated April 8, 2005, from April 8, 2005, to October 8, 2005.

II. PROJECT DATA

- A. Specifications –**

Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-96 (English)

B. Termini – Station 13+00 to Station 24+00

C. Length –

Queen Mary Highway/Route 70	1100 feet
Sunshine Mall Entrance	<u>140 feet</u>
Total length	1240 feet (0.237 miles)

D. Width –

Route 70 Queen Mary Highway - The predominant width of paved roadway and shoulder were as follows:

- From Station 13+00 to 17+60 - two 11.5-foot lanes (one each way) and one 10.17-foot lane, plus widening of two-way right turn lane transitions between 0 and 11.5 feet
- From Station 11+00 to 11+50 and from Station 25+00 to 26+00 - two 11.5-foot lanes (one each way) and one 10.17-foot plus a 2-foot shoulder
- From Station 18+00 to 19+60 - one 10.4-foot (travel lane, east bound), one, 11.25-foot (turn lane), one, 11.5-foot (travel lane, west bound), and one, 10.17-foot (turn lane)

Sunshine Mall Entrance: From Station 0+00 to 2+73, with two 23-foot lanes (two each way).

E. Pavement Structure –

The proposed asphalt pavement was as follows: 2-inch depth Hot Asphalt Concrete Pavement (HACP), Class B, Grading E, Asphalt Tack Coat; 4-inch depth HACP, Class B, Grading C and 8-inch depth Aggregate Base, Grading C or D.

F. Structures –

Contract Modification Work (24-inch Pipe Culvert)

Existing field condition required the removal and replacement of an existing culvert at Station 14+72. The existing culvert caved in during pavement removal operations, and was later found to be structurally insufficient. The contract modification included the installation of forty feet of new 24-inch reinforced concrete pipe culvert to replace the original structure.

G. Contract Number and Date – DTFH71-05-C-00019 – August 2, 2005

H. Contracting Officers –

Melisa L. Ridenour	Division Engineer
Donald W. Miller	Director, Project Delivery
Wanda A. Pfeffer	Contracting Officer
Eduardo A. Calderon	Construction Engineer
James M. Mathews	Construction Operation Engineer

I. Contract Bid Amount – \$1,909,111.00

J. Engineer's Estimate – \$1,550,000.00

K. Final Contract Amount – \$1,870,213.91

L. Contract Time –

Award Date:	August 2, 2005
Notice to Proceed:	September 12, 2005
Original Completion Date:	June 18, 2006
Authorized Extensions:	-20 Days
Revised Completion Date:	May 29, 2006
Date Substantially Complete:	May 26, 2006
Date All Work Complete:	June 28, 2007
Liquidated Damages Assessed:	None

M. Contractor –

Virgin Islands Paving, Inc. 13-GA Estate Bethlehem Kingshill, VI 00851	Small Business Concern (SBC)
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N. Subcontractors –

Tip Top Construction P.O. Box 24933 GBS Christiansted, VI 00824 <i>Install Inlets and Culverts</i>	SBC Disadvantaged Business Enterprise (DBE) \$430,790.00
Instrument & Control Systems P.O. Box 1860, Kingshill St. Croix, VI 00851 <i>Signal and Light Installation</i>	SBC, DBE, Woman Business Enterprise (WBE) \$189,004.46

SBC, DBE

SBC

Approved Job Mix Design:

<u>Sieves</u>	<u>Target Value (Percent Passing)</u>	<u>Allowable Deviation (Percent)</u>	<u>Specification (Percent Passing)</u>
50.0 mm	100	-	100
25 mm	94	±6	88-100
19.0 mm	86	±6	80-92
9.5 mm	69	±6	63-75
4.75 mm	51	±6	45-57
75 µm	13.4	±3.0	10.4-16.4

Maximum Dry Density:	139.7 pounds per cubic foot (pcf)
Optimum Moisture Content:	6.4 percent
Bulk Specific Gravity (Sp/Gr):	2.76
Sodium Sulfate Soundness:	0.35 percent
LA Abrasion:	10.4 percent wear
Fractured Faces:	90 percent
Liquid Limit:	2.0
Plasticity Index:	0.8
California Bearing Ratio:	150 percent

Item No. 41801BC: Hot Asphalt Concrete Pavement, Class B, Grading C

Supplier: Virgin Islands Paving, Inc. – St. Croix Plant
 13-GA Estate Bethlehem
 Kingshill, VI 00851

Aggregates: Stone #67 15 percent
 Heavy Materials
 6 Estate Mariendahl
 St. Croix, Virgin Islands

Bulk Sp/Gr: 2.755
 Absorption: 0.4 percent
 LA Abrasion: 11 percent
 Sodium Sulfate Soundness: 0.9 percent

Stone #4 25 percent
 Heavy Materials
 6 Estate Mariendahl
 St. Croix, Virgin Islands

Bulk Sp/Gr: 2.788
Absorption: 0.5 percent
LA Abrasion: 11 percent
Sodium Sulfate Soundness: 0.9 percent

Stone #5 60 percent
Heavy Materials
6 Estate Mariendahl
St. Croix, Virgin Islands

Bulk Sp/Gr: 2.663
Absorption: 0.9 percent
Sodium Sulfate Soundness: 0.7 percent

Asphalt Binder Grade and Source: Asphalt Cement (60 - 70)
Port of Bajo Grande,
Bajo Grande, Venezuela

Antistripping Additive: None

Job Mix Design Properties:

<u>Sieves</u>	<u>Target Value (Percent Passing)</u>	<u>Allowable Deviation (Percent)</u>	<u>Specification (Percent Passing)</u>
1-inch	100	-	100
3/4-inch	100	-	100
1/2-inch	97	±5	92-100
3/8-inch	92	±6	86 - 98
#4	62	±7	55 - 69
#8	37	±5	32 - 42
#30	19	±4	15 - 23
#50	14	±3	11 - 17
#200	8.8	±2	6.8 – 10.8

Asphalt Content – 6.1 (± 0.5) percent of total mix
Maximum Theoretical Specific Gravity: 2.484
Dust/Asphalt Ratio: 0.70
Voids in Mineral Aggregate (VMA): 16.0 percent
Voids Filled with Asphalt (VFA): 74.0 percent

Item No. 41801BAD: Hot Asphalt Concrete Pavement, Class B, Grading E

Supplier: Virgin Islands Paving, Inc. – St. Croix Plant
13-GA Estate Bethlehem
Kingshill, VI 00851

Aggregates: Stone #67 15 percent
Heavy Materials
6 Estate Mariendahl
St. Croix, Virgin Islands

Bulk Sp/Gr: 2.755
Absorption: 0.4 percent
LA Abrasion: 11 percent
Sodium Sulfate Soundness: 0.9 percent

Stone #4 25 percent
Heavy Materials
6 Estate Mariendahl
St. Croix, Virgin Islands

Bulk Sp/Gr: 2.788
Absorption: 0.5 percent
LA Abrasion: 11 percent
Sodium Sulfate Soundness: 0.9 percent

Stone #5 60 percent
Heavy Materials
6 Estate Mariendahl
St. Croix, Virgin Islands

Bulk Sp/Gr: 2.663
Absorption: 0.9 percent
Sodium Sulfate Soundness: 0.7 percent

Asphalt Binder Grade and Source: Asphalt Cement (60 - 70)
Port of Bajo Grande,
Bajo Grande, Venezuela

Antistripping Additive: None required

Job Mix Design Properties:

<u>Sieves</u>	<u>Target Value (Percent Passing)</u>	<u>Allowable Deviation (Percent)</u>	<u>Specification (Percent Passing)</u>
1-inch	100	-	100
3/4-inch	100	-	100
1/2-inch	97	-	97-100
3/8-inch	92	±5	87 - 97
#4	62	±6	56- 68
#8	37	±6	31 - 43
#30	19	±4	15 - 23
#50	14	±3	11 - 17
#200	8.8	±2	0.6 - 10

Asphalt Content:	6.1 (± 0.5) percent of total mix
Maximum Theoretical Specific Gravity:	2.484
Dust/Asphalt Ratio:	0.70
Voids in Mineral Aggregate (VMA):	16 percent
Voids Filled with Asphalt (VFA):	74 percent

Item No. 60902V: Portland Cement Concrete Curb And Gutter, 13-Inch Depth

Item No. 60909A: Wheelstop (Concrete)

Item No. 61501B: Portland Cement Concrete Sidewalk

Item No. 61601: Portland Cement Concrete Wheelchair Ramp

Item No. 64912: Bus Shelter (Concrete Slab)

Item No. 63308A: Removing and Resetting Sign (Sunshine Mall Entrance Foundations)

Supplier: Heavy Materials L.L.C.
6 Estate Mariendahl
Frederiksted, St. Croix, VI 00841

Mix Requirements:	Minimum Strength-	4000 (psi) in 28 days
	Minimum Cement Content-	614 (pcy)
	Maximum Water/Cement Ratio-	0.48
	Maximum Slump-	3-1/2 or 4-1/2 inches
	Minimum Air Content-	1.5 percent

Portland Cement:	AASHTO M85, TYPE I/II Cementos Caribe, Puerto Cumarebo, Venezuela	620 lbs.
Course Gravel:	No. 57 (ASTM C33 #57) Springfield Quarry, St. Croix	475 lbs.
	Clay lumps and/or friable particles-	0.7 percent
	SSD Bulk Sp/Gr-	2.76
	Coal and lignite-	0.0 percent
	LA Abrasion, #57-	10.4 percent
	Sodium Sulfate Soundness-	0.35 percent
Coarse Sand:	Manufactured Sand (ASTM C33) Springfield Quarry, St. Croix	2,200 lbs.
	Clay lumps and/or friable particles-	0.0 percent
	Passing 75 μ m sieve-	2.8 percent
	Fineness Modulus-	2.64
	Bulk Sp/Gr at (SSD)-	2.75
	Sodium Sulfate Soundness-	0.35 percent
	Absorption-	1.60 percent
Fine Sand:	Barbuda Sand (ASTM C33) Barbuda	425 lbs.
	Clay lumps and/or friable particles-	0.0 percent
	Coal and lignite-	0.0 percent
	SSD Bulk Sp/Gr-	2.65
	Sodium Sulfate Soundness-	0.0 percent
Water:	Springfield Quarry, St. Croix (well water)	250 lbs.
Air Entertainment:	Conplast PA 21 (ASTM C260 and C494 type A) Fosroc Limited Coleshill Road Staffordshire B783TL	10.0 ounces per cubic yard
Average Test Results: Slump-		3.0 inches
Air content-		0.0 percent
Temperature-		83°F

B. Experimental or New Features –

None

C. Changes and Problems –**1. Changes**

Contract Modification (CM) No. 001: deleted Contract Items 60209H - Elbow, 12-inch and 61102QD - 12-inch Waterline, Polyvinyl Chloride (PVC) (C-900). These items were associated with the relocation of an existing 12-inch waterline. During the initial staking and layout of contract work, the waterline was found north of the location shown in the contract plans. Since the existing waterline was not in conflict with new installations performed under the contract, it wasn't necessary to perform the relocation work.

Net contract decrease = \$23,000.00

No change in contract time.

CM No. 002: was issued to modify the contract Traffic Control Plan to incorporate the construction of a permanent traffic detour to Queen Mary Highway (Route 70) between Station 14+00 and Station 20+00. The contractor's proposal included the leasing of the necessary right-of-way from the adjacent Sunshine Mall parking, the development of a legal document to release the Government from all liability associated with the implementation of the detour, and all other work necessary to implement and maintain this detour. This included the removal and replacement of curb and gutter and landscaping, and additional paving, as well as installation of traffic control signs, cones and type III barricades. The contractor's proposal only affected 600 linear feet out of the 1100 linear feet of the project. The remaining 500 linear feet (Station 13+00 to 14+00 and 20+00 to 24+00) was constructed following the traffic control plan shown in the contract. As a result, implementing the proposed detour had a negligible effect on contract cost, and was accepted as a no-cost modification.

No change in amount.

Contract time decreased 20 days to May 29, 2006

CM No. 003: adjusted final quantities to match existing field conditions or that otherwise varied from the Original Engineer's Estimate, as well as added five new pay items that were necessary to meet existing field conditions.

Net contract decrease = \$26,397.09

No change in contract time.

Significant Overruns and Underruns

Item 15716C, Inlet Protection, Type C: The implementation of the alternate traffic control plan and detour through CM No. 002 changed the sequence of construction and the need for additional inlet protections. The final quantity for this item was 12, an underrun of 5 each or 29 percent.

Item 20302H, Removal of Pipe Culverts: The original contract quantity was overestimated. The project required the removal of only thirty linear feet of culvert at Station 14+72. The final quantity for this item reflects an underrun of 30 linear feet or 50 percent.

Item 20303AB, Removal of Concrete (Bus Stop Pads and Shelter): The original contract quantity was overestimated. The project required the removal of only 65 square yards to complete the contract work. The contract quantity underran by 75 square yards or 54 percent.

Item 20401, Roadway Excavation: The original contract quantity was overestimated. The project required the excavation of only 2654 cubic yards. The contract quantity underran by 540.96 cubic yards or 17 percent.

Item 40101BC, Hot Asphalt Concrete Pavement, Class B, Grading C: The contractor's poor grade controls on the paving operation resulted in a thinner than required base lift. Since the contractor was approved to use the same mix for base and surface lifts, they were able to place the required 6-inch pavement structural section by thickening the surface lift. As a result, the contract quantity for base asphalt underran by 613.89 tons or 26 percent.

Item 61102QD, 2-inch Waterline, Polyvinyl Chloride (PVC) (Sprinkler System): The original contract quantity was overestimated. The project required the installation of 328 linear feet of sprinkler system to the relocated Sunshine Mall sign and entrance. The contract quantity underran by 72 linear feet or 18 percent.

Item 63401HB, Pavement Markings, Type H, Broken: The new striping plans as per CM. No. 002 resulted in an underrun of 1072 linear feet or 82 percent.

Item 63615, Traffic Detector Wire Loop (6' x 6'): The Virgin Islands Department of Public Works requested longer wire loops (from 6'x6' to 6'x30") at the exit of the mall. The two new loops cost more than the original contract requirement. In order to account for the increased price, this contract action deleted two loops from the existing item and incorporated a new contract item for the negotiated price for the new traffic loops. As a result, the existing contract item underran by 2 each or 22 percent.

Item 63615, Traffic Detector Wire Loop (6'x 30"): The Virgin Islands Department of Public Works requested more sensitive loops (Quadruple type) on the right turn lanes on Route 70. The two new loops are pricier than the original contract requirement. In order to account for the increased price, two loops were deleted from the existing item and a new contract item was created with a negotiated price for the new traffic loops. As a result, the existing contract item underran by 2 each or 22 percent.

Item 40101BED, Hot Asphalt Concrete Pavement, Class B, Grading E: The contractor's poor grade controls on the paving operation required a thicker surface lift in order to compensate for the thinner base lift placed. Since the contractor was approved to use the same mix for base and surface lifts, they were able to place the required 6-inch pavement section. As a result, the contract quantities for surface asphalt overran by 323.5 tons or 27 percent.

Item 61501B, Portland Cement Concrete Sidewalk: The original contract quantity was underestimated. The project required an additional 80 square yards to fit field conditions. This represented an overrun of 27 percent.

Item 61505B, Portland Cement Wheelchair Ramp: The original contract quantity was underestimated. The project required the construction of 73.08 square yards of new wheelchair ramps. This represented an overrun of 25.08 square yards or 34 percent.

Item 63304CC, Signs Aluminum Panels, Type 3 Sheeting: The contract required the installation of overhead mounted signs for lane guidance through the intersection. These signs did not conform to local intersection control standards and were not included in the permanent sign quantity schedule. The final installation included two directional and two signal identification signs, an overrun of 21.75 square yards or 27percent.

Item 63401HA, Pavement Markings, Type H, Solid: The contract striping plan was not adequate. The plans showed a shared right-turn lane that did not conform to local pavement marking standards. New striping plans were developed by the field office under the supervision of the EFLHD Design and Traffic Operations office, as well as the VI DPW. The new striping plans overran 3964 linear feet or 44 percent.

Item 63402, Pavement Markings, Type H: The new striping plans resulted in an overrun of pavement marking symbols of 263.01 square yards or a 17 percent.

2. Problems

None

D. Recommendations –

None

E. Claims –

None

IV. CONSTRUCTION ENGINEERING

A. Project Personnel –

Daniel Camacho, Project Engineer/COR
Thomas Jones, Asst. Project Engineer

B. Contract Inspection –

No contract inspectors were assigned to this project.

C. Other Contacts – None

D. Partnering –

Informal partnering was successfully implemented on this project and a good relationship was maintained between all partners.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
SE	VI	NH-70(9)	AI	59

THE GOVERNMENT OF THE VIRGIN ISLANDS

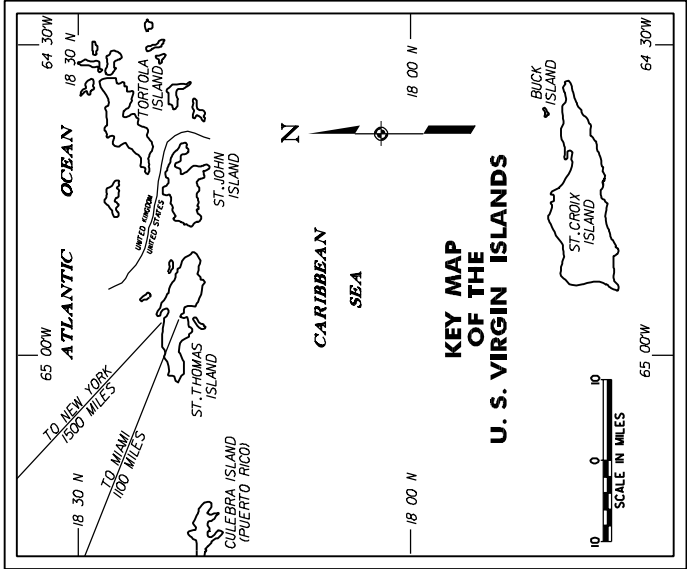
OF THE UNITED STATES

ROUTE 70, QUEEN MARY HIGHWAY, INTERSECTION IMPROVEMENTS

PLANS FOR PROPOSED PROJECT NH-70(9)

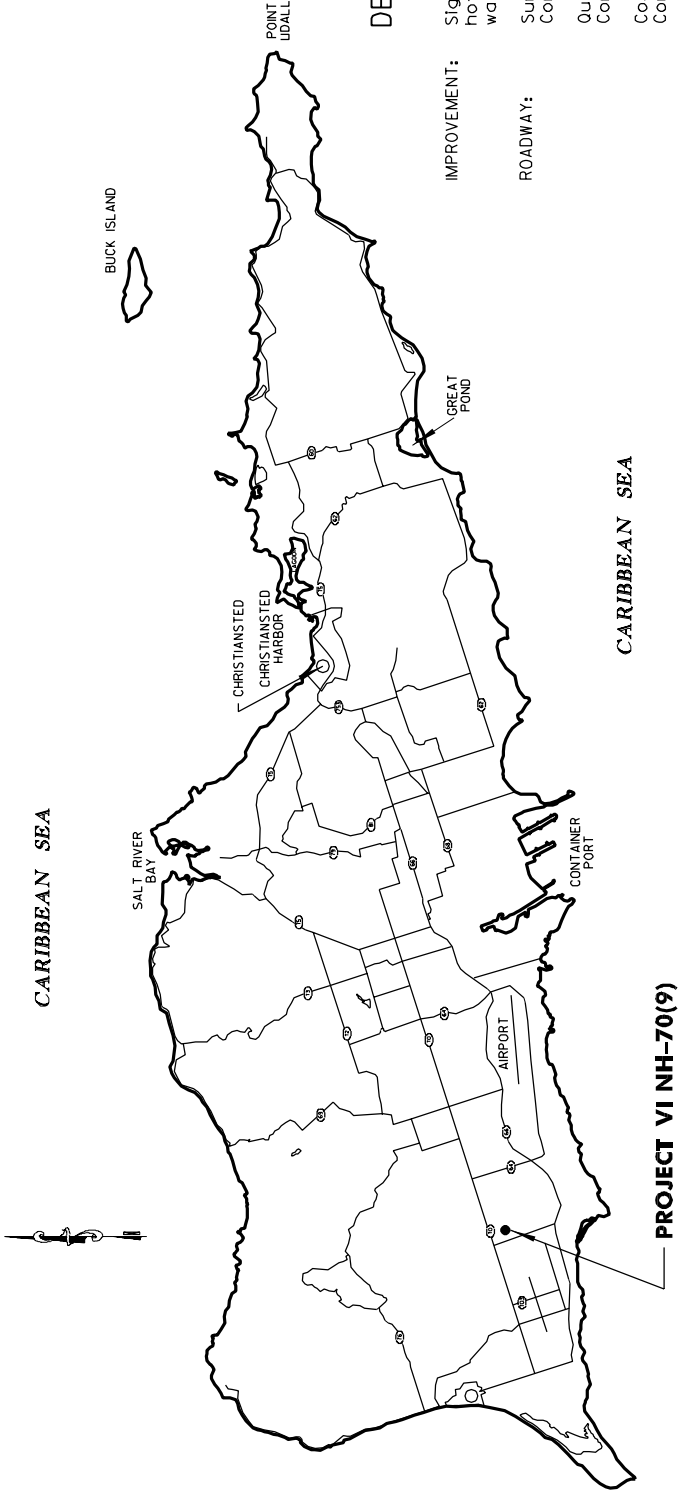
REHABILITATION OF SUNSHINE MALL/COST-U-LESS INTERSECTION

ST. CROIX U.S. VIRGIN ISLANDS



INDEX TO SHEETS

SHEET NO	DESCRIPTION
AI	TITLE SHEET
A2	SYMBOLS AND ABBREVIATIONS
BI-B3	TYPICAL SECTION
CI	TABULATION OF QUANTITIES
C2-C7	SCHEDULES AND SUMMARIES
C8	SURVEY INFORMATION
DI-D5	CONSTRUCTION PLANS AND PROFILES
D6-D7	UTILITY PLANS
D8-DII	CONSTRUCTION AND TRAFFIC CONTROL
DI2-DI4	SIGNING AND STRIPING PLANS
DI5-DI6	SIGNALIZATION PLANS
DI7-DI8	DRAINAGE PLAN AND PROFILE
EI-EI9	STANDARDS AND DETAILS
FI-F4	CONSTRUCTION CROSS SECTIONS
GI	ELECTRICAL - FOR INFORMATION ONLY



DESCRIPTION OF PROJECT

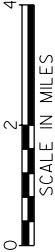
Signal System, Drainage, roadway construction of new entrance, hot asphalt concrete pavement, parking areas, waterline and other miscellaneous work.

Improvement: Sunshine Mall Entrance; Hot Asphalt Concrete Pavement, 23.3' lane width

Roadway: Queen Mary Highway : Hot Asphalt Concrete Pavement, 34.5' width, typical

Cost-U-Less Entrance : Hot Asphalt Concrete Pavement, 49.5' minimum width

ST. CROIX ISLAND



DESIGN	DESIGNATION
ADT(2002)	N/A
ADT(2022)	N/A
DHV	N/A
D	N/A
V	N/A
C/A	N/A
e(max)	N/A

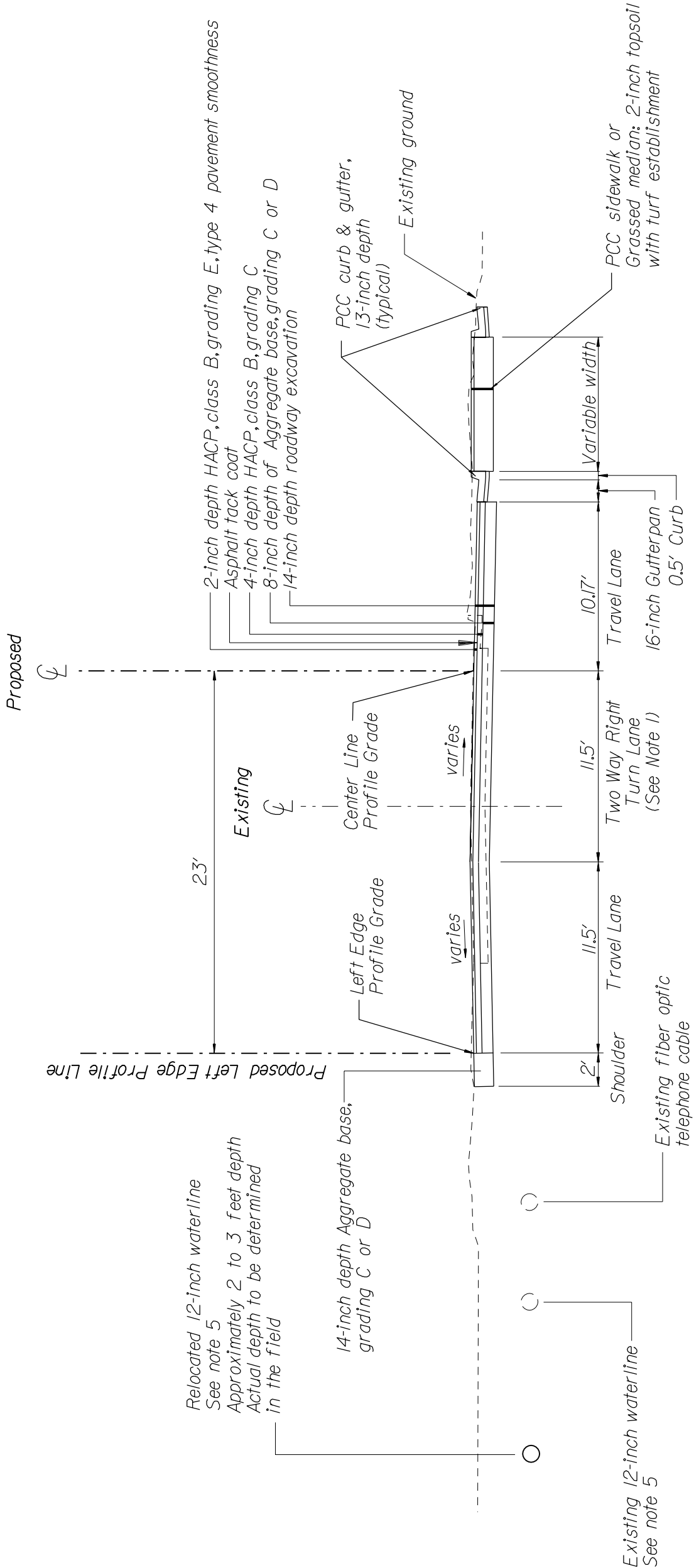
PRIMARY LENGTH	0.208 MILES
TOTAL PROJECT LENGTH	0.208 MILES

SPECIFICATIONS:
Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects*, FP-96, English Units.

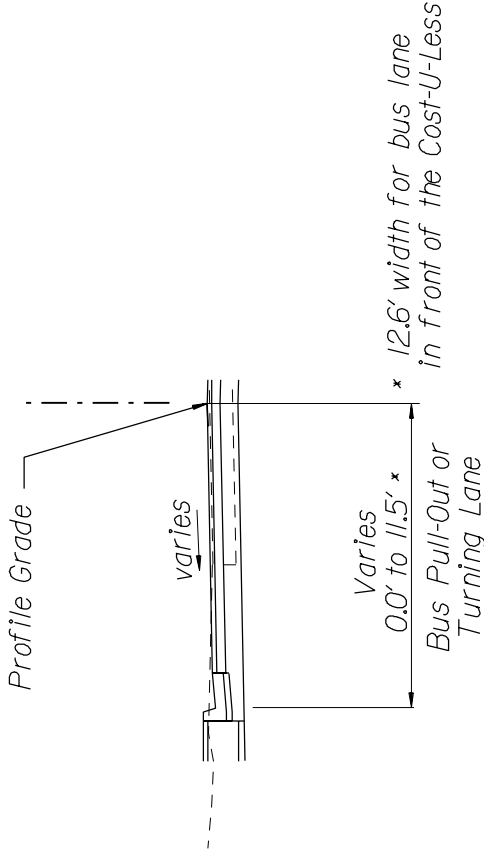
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA
APRIL 2005

PROJECT MANAGER	LEAD DESIGNERS
D. WEBER	J. SLATER, B. RAYMOND & C. CRAWFORD

REG	STATE	PROJECT	SHEET NO.
SE	VI	NH- 70(9)	BI



Optional Left or Right Side Widening



NOTES:

1. Two Way Right Turn Lane transitions between 0 and 11.5 feet from 11+00 to 11+50 and from 25+00 to 26+00.
2. Use same pavement structure for parking areas, bus pads and intersection tie-ins.
3. See plans for locations of grassed medians and sidewalks. At other locations disturbed by construction activities apply 2 inch topsoil with turf establishment.
4. Remove all existing asphalt within saw-cut limits (see plan sheets for limits).
5. See UTILITY PLAN for limits of existing waterline removal and location of relocated waterline. Location and depth shown is approximate, final placement will be determined in the field.
6. PROTECT UNDERGROUND FIBER OPTIC TELEPHONE CABLE. Location and depth shown are approximate.

No scale

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

ST. CROIX, U.S. VIRGIN ISLANDS

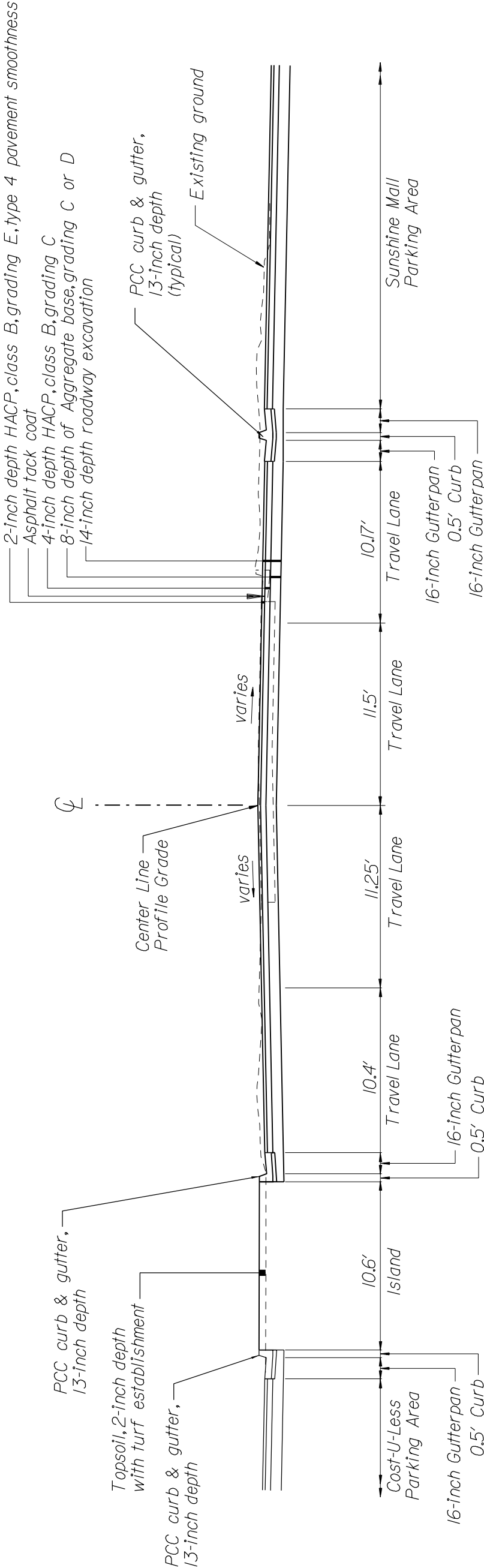
TYPICAL SECTION
ROUTE 70

Rev: 1Jan05

REG	STATE	PROJECT	SHEET NO.
SE	VI	NH-70(9)	B2

NOTES:

1. Use same pavement structure for parking areas, bus pads and intersection tie-ins.
2. See plans for locations of grassed medians and sidewalks. At other locations disturbed by construction activities apply 2 inch topsoil with turf establishment.
3. Remove all existing asphalt within saw-cut limits (see plan sheets for limits).



ROUTE 70
APPROXIMATE STATION
19+00

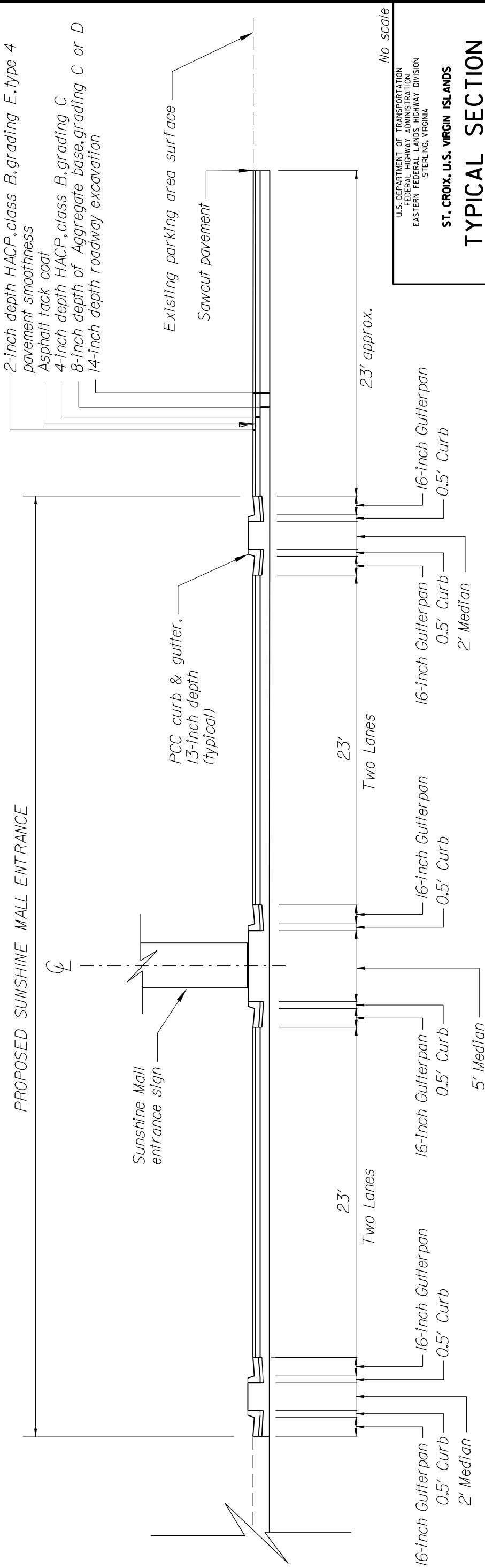
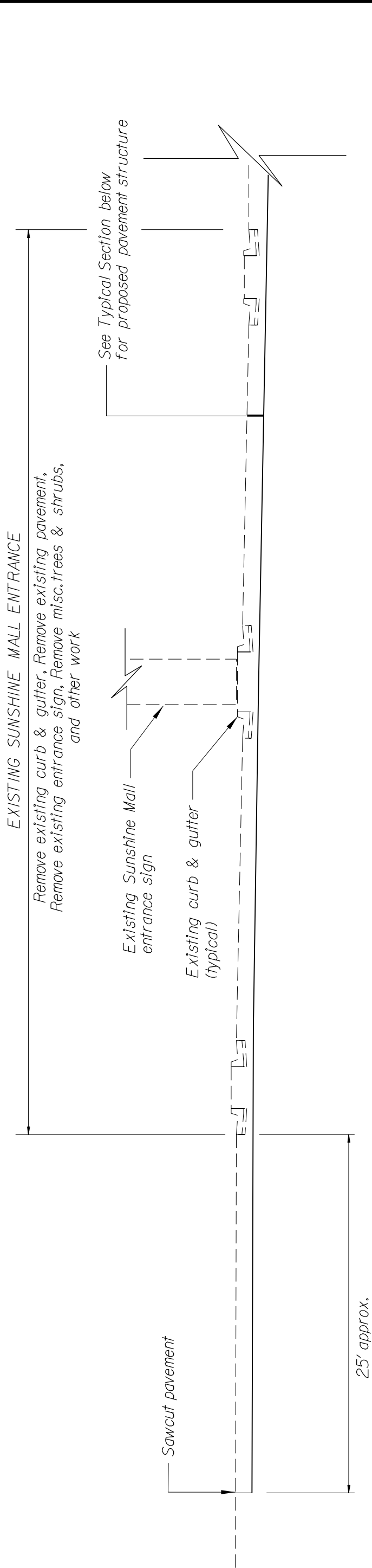
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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL HIGHWAY DIVISION
STERLING, VIRGINIA

ST. CROIX, U.S. VIRGIN ISLANDS

TYPICAL SECTION

REG	STATE	PROJECT	SHEET NO.
SE	VI	NH-70(9)	B3



No scale

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

ST. CROIX, U.S. VIRGIN ISLANDS

TYPICAL SECTION

SUNSHINE MALL ENTRANCE

TABULATION OF BIDS

Schedule: A
Project No.: NH-70(9)
Project Name: ROUTE 70, QUEEN MARY HIGHWAY, INTERSECTION IMPROVEMENTS

State: VI
County: ST CROIX

THE GOVERNMENT OF THE US VIRGIN

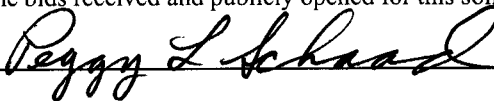
Opened at: St Croix, USVI

By: P. Schaad

Date: 06/07/05

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

Signed: Peggy L. Schaad



Title: Contract Specialist

Date: 6/9/05

Contract Awarded to: Virgin Islands Paving, Inc.

Date: 8/2/05

Contractor	Bid Amount	Responsive
Virgin Islands Paving, Inc. P. O. Box 472D Kingshill, VI 00851-4720	1,909,111.00	
Tip Top Construction P. O. Box 24933 GBS Christiansted, VI 00824	2,176,315.00	
Engineer's Estimate	1,550,000.00	

TABULATION OF BIDS

Date: 06/09/05

Schedule: A

Project No.: NH-70(9)

Project Name: ROUTE 70, QUEEN MARY HIGHWAY, INTERSECTION IMPROVEMENTS

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
15101	LPSM	MOBILIZATION			
	Virgin Islands Paving, Inc.		ALL	150,627.20	150,627.20
	Tip Top Construction			413,000.00	413,000.00
	ENGINEER'S ESTIMATE			159,669.50	159,669.50
15201	LPSM	CONSTRUCTION SURVEY AND STAKING			
	Virgin Islands Paving, Inc.		ALL	35,000.00	35,000.00
	Tip Top Construction			13,500.00	13,500.00
	ENGINEER'S ESTIMATE			24,500.00	24,500.00
15401	LPSM	CONTRACTOR TESTING			
	Virgin Islands Paving, Inc.		ALL	25,000.00	25,000.00
	Tip Top Construction			11,750.00	11,750.00
	ENGINEER'S ESTIMATE			18,500.00	18,500.00
15716C	EACH	INLET PROTECTION, TYPE C			
	Virgin Islands Paving, Inc.		17	2,000.00	34,000.00
	Tip Top Construction			150.00	2,550.00
	ENGINEER'S ESTIMATE			550.00	9,350.00
20207	EACH	PRUNING TREES			
	Virgin Islands Paving, Inc.		5	1,000.00	5,000.00
	Tip Top Construction			1,200.00	6,000.00
	ENGINEER'S ESTIMATE			450.00	2,250.00
20211	EACH	REMOVAL OF INDIVIDUAL TREES (MAHOGANY)			
	Virgin Islands Paving, Inc.		7	3,500.00	24,500.00
	Tip Top Construction			4,800.00	33,600.00
	ENGINEER'S ESTIMATE			425.00	2,975.00
20301AD	EACH	REMOVAL OF LIGHT POLE (with luminaire)			
	Virgin Islands Paving, Inc.		1	2,500.00	2,500.00
	Tip Top Construction			1,500.00	1,500.00
	ENGINEER'S ESTIMATE			2,500.00	2,500.00
20301F	EACH	REMOVAL OF INLETS			
	Virgin Islands Paving, Inc.		3	1,000.00	3,000.00
	Tip Top Construction			750.00	2,250.00
	ENGINEER'S ESTIMATE			1,250.00	3,750.00

TABULATION OF BIDS

Date: 06/09/05

Schedule: A

Project No.: NH-70(9)

Project Name: ROUTE 70, QUEEN MARY HIGHWAY, INTERSECTION IMPROVEMENTS

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
20302AD	LNFT	REMOVAL OF WATERLINE			
	Virgin Islands Paving, Inc.		330	20.00	6,600.00
	Tip Top Construction			25.00	8,250.00
	ENGINEER'S ESTIMATE			20.00	6,600.00
20302H	LNFT	REMOVAL OF PIPE CULVERTS			
	Virgin Islands Paving, Inc.		60	100.00	6,000.00
	Tip Top Construction			45.00	2,700.00
	ENGINEER'S ESTIMATE			20.00	1,200.00
20302SB	LNFT	REMOVAL OF PORTLAND CEMENT CONCRETE CURB AND GUTTER			
	Virgin Islands Paving, Inc.		1,600	6.50	10,400.00
	Tip Top Construction			7.50	12,000.00
	ENGINEER'S ESTIMATE			12.00	19,200.00
20303AB	SQYD	REMOVAL OF CONCRETE (BUS STOP PADS AND SHELTER)			
	Virgin Islands Paving, Inc.		140	40.00	5,600.00
	Tip Top Construction			25.00	3,500.00
	ENGINEER'S ESTIMATE			35.00	4,900.00
20304AR	LPSM	REMOVAL OF WATERLINE (sprinkler system)			
	Virgin Islands Paving, Inc.		ALL	2,500.00	2,500.00
	Tip Top Construction			2,500.00	2,500.00
	ENGINEER'S ESTIMATE			500.00	500.00
20307	LNFT	SAWCUTTING PAVEMENT			
	Virgin Islands Paving, Inc.		1,240	3.00	3,720.00
	Tip Top Construction			4.00	4,960.00
	ENGINEER'S ESTIMATE			4.00	4,960.00
20401	CUYD	ROADWAY EXCAVATION			
	Virgin Islands Paving, Inc.		3,200	15.00	48,000.00
	Tip Top Construction			25.00	80,000.00
	ENGINEER'S ESTIMATE			14.00	44,800.00
30101Z	TON	AGGREGATE BASE, GRADING C OR D			
	Virgin Islands Paving, Inc.		4,200	50.00	210,000.00
	Tip Top Construction			60.00	252,000.00
	ENGINEER'S ESTIMATE			30.00	126,000.00

TABULATION OF BIDS

Date: 06/09/05

Schedule: A

Project No.: NH-70(9)

Project Name: ROUTE 70, QUEEN MARY HIGHWAY, INTERSECTION IMPROVEMENTS

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
40101BC	TON	HOT ASPHALT CONCRETE PAVEMENT, CLASS B, GRADING C			
	Virgin Islands Paving, Inc.		2,350	115.00	270,250.00
	Tip Top Construction			135.00	317,250.00
	ENGINEER'S ESTIMATE			120.00	282,000.00
40101BED	TON	HOT ASPHALT CONCRETE PAVEMENT, CLASS B, GRADING E, TYPE 4 PAVEMENT SMOOTHNESS			
	Virgin Islands Paving, Inc.		1,200	115.00	138,000.00
	Tip Top Construction			135.00	162,000.00
	ENGINEER'S ESTIMATE			120.00	144,000.00
41202	GAL	TACK COAT			
	Virgin Islands Paving, Inc.		1,200	4.00	4,800.00
	Tip Top Construction			5.00	6,000.00
	ENGINEER'S ESTIMATE			2.85	3,420.00
60201P	LNFT	36-INCH PIPE CULVERT			
	Virgin Islands Paving, Inc.		850	180.00	153,000.00
	Tip Top Construction			115.00	97,750.00
	ENGINEER'S ESTIMATE			165.00	140,250.00
60209H	EACH	ELBOW, 12-INCH			
	Virgin Islands Paving, Inc.		4	500.00	2,000.00
	Tip Top Construction			500.00	2,000.00
	ENGINEER'S ESTIMATE			400.00	1,600.00
60403FA	EACH	INLET, TYPE 6A -6			
	Virgin Islands Paving, Inc.		12	5,400.00	64,800.00
	Tip Top Construction			3,500.00	42,000.00
	ENGINEER'S ESTIMATE			3,850.00	46,200.00
60405	EACH	MANHOLE ADJUSTMENT			
	Virgin Islands Paving, Inc.		1	3,000.00	3,000.00
	Tip Top Construction			500.00	500.00
	ENGINEER'S ESTIMATE			975.00	975.00
60902V	LNFT	PORTLAND CEMENT CONCRETE CURB AND GUTTER, 13-INCH DEPTH			
	Virgin Islands Paving, Inc.		2,800	63.00	176,400.00
	Tip Top Construction			51.00	142,800.00
	ENGINEER'S ESTIMATE			55.00	154,000.00

TABULATION OF BIDS

Date: 06/09/05

Schedule: A

Project No.: NH-70(9)

Project Name: ROUTE 70, QUEEN MARY HIGHWAY, INTERSECTION IMPROVEMENTS

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
60909A	EACH	WHEELSTOP (CONCRETE)			
	Virgin Islands Paving, Inc.		12	50.00	600.00
	Tip Top Construction			250.00	3,000.00
	ENGINEER'S ESTIMATE			80.00	960.00
61102GD	LNFT	2-INCH WATERLINE, POLYVINYL CHLORIDE (PVC) (Sprinkler system)			
	Virgin Islands Paving, Inc.		400	16.00	6,400.00
	Tip Top Construction			35.00	14,000.00
	ENGINEER'S ESTIMATE			5.00	2,000.00
61102QD	LNFT	12-INCH WATERLINE, POLYVINYL CHLORIDE (PVC) (C-900)			
	Virgin Islands Paving, Inc.		350	60.00	21,000.00
	Tip Top Construction			175.00	61,250.00
	ENGINEER'S ESTIMATE			75.00	26,250.00
61109B	EACH	ADJUST WATER VALVE			
	Virgin Islands Paving, Inc.		2	500.00	1,000.00
	Tip Top Construction			3,500.00	7,000.00
	ENGINEER'S ESTIMATE			450.00	900.00
61109E	EACH	ADJUST WATER METER			
	Virgin Islands Paving, Inc.		1	500.00	500.00
	Tip Top Construction			1,000.00	1,000.00
	ENGINEER'S ESTIMATE			400.00	400.00
61501B	SQYD	PORTLAND CEMENT CONCRETE SIDEWALK			
	Virgin Islands Paving, Inc.		220	65.50	14,410.00
	Tip Top Construction			115.00	25,300.00
	ENGINEER'S ESTIMATE			60.00	13,200.00
61505B	SQYD	PORTLAND CEMENT CONCRETE WHEELCHAIR RAMP			
	Virgin Islands Paving, Inc.		48	115.00	5,520.00
	Tip Top Construction			1,500.00	72,000.00
	ENGINEER'S ESTIMATE			60.00	2,880.00
62518	SQYD	TURF ESTABLISHMENT			
	Virgin Islands Paving, Inc.		1,000	13.00	13,000.00
	Tip Top Construction			9.00	9,000.00
	ENGINEER'S ESTIMATE			11.00	11,000.00

TABULATION OF BIDS

Date: 06/09/05

Schedule: A

Project No.: NH-70(9)

Project Name: ROUTE 70, QUEEN MARY HIGHWAY, INTERSECTION IMPROVEMENTS

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
62601MADB	EACH	MISCELLANEOUS TREE, 2 1/2" - 3" CALIPER, BALLED AND BURLAPPED (SMALL LEAF WEST INDIAN MAHOGANY)			
	Virgin Islands Paving, Inc.		8	2,000.00	16,000.00
	Tip Top Construction			2,500.00	20,000.00
	ENGINEER'S ESTIMATE			1,500.00	12,000.00
62606	LPSM	LANDSCAPING (SUNSHINE MALL ENTRANCE)			
	Virgin Islands Paving, Inc.		ALL	25,000.00	25,000.00
	Tip Top Construction			18,500.00	18,500.00
	ENGINEER'S ESTIMATE			10,000.00	10,000.00
63304CC	SQFT	SIGNS, ALUMINUM PANELS, TYPE 3 SHEETING			
	Virgin Islands Paving, Inc.		60	180.00	10,800.00
	Tip Top Construction			105.00	6,300.00
	ENGINEER'S ESTIMATE			50.00	3,000.00
63308A	EACH	REMOVING AND RESETTING SIGN			
	Virgin Islands Paving, Inc.		1	500.00	500.00
	Tip Top Construction			1,500.00	1,500.00
	ENGINEER'S ESTIMATE			175.00	175.00
63308A	EACH	REMOVING AND RESETTING SIGN (SUNSHINE MALL ENTRANCE SIGN)			
	Virgin Islands Paving, Inc.		1	18,000.00	18,000.00
	Tip Top Construction			32,150.00	32,150.00
	ENGINEER'S ESTIMATE			16,000.00	16,000.00
63401HA	LNFT	PAVEMENT MARKINGS, TYPE H, SOLID			
	Virgin Islands Paving, Inc.		5,110	1.18	6,029.80
	Tip Top Construction			4.50	22,995.00
	ENGINEER'S ESTIMATE			1.05	5,365.50
63401HB	LNFT	PAVEMENT MARKINGS, TYPE H, BROKEN			
	Virgin Islands Paving, Inc.		1,300	1.18	1,534.00
	Tip Top Construction			3.50	4,550.00
	ENGINEER'S ESTIMATE			0.80	1,040.00
63402	SQFT	PAVEMENT MARKINGS			
	Virgin Islands Paving, Inc.		1,320	6.00	7,920.00
	Tip Top Construction			15.00	19,800.00
	ENGINEER'S ESTIMATE			6.50	8,580.00

TABULATION OF BIDS

Date: 06/09/05

Schedule: A

Project No.: NH-70(9)

Project Name: ROUTE 70, QUEEN MARY HIGHWAY, INTERSECTION IMPROVEMENTS

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
63501	LPSM	TEMPORARY TRAFFIC CONTROL			
	Virgin Islands Paving, Inc.		ALL	40,000.00	40,000.00
	Tip Top Construction			35,000.00	35,000.00
	ENGINEER'S ESTIMATE			24,000.00	24,000.00
63611A	EACH	RELOCATE LUMINAIRE			
	Virgin Islands Paving, Inc.		7	3,500.00	24,500.00
	Tip Top Construction			1,100.00	7,700.00
	ENGINEER'S ESTIMATE			2,400.00	16,800.00
63615	EACH	TRAFFIC DETECTOR WIRE LOOP			
	Virgin Islands Paving, Inc.		9	2,300.00	20,700.00
	Tip Top Construction			1,095.00	9,855.00
	ENGINEER'S ESTIMATE			4,250.00	38,250.00
63641A	EACH	SIGNAL SYSTEM			
	Virgin Islands Paving, Inc.		1	210,000.00	210,000.00
	Tip Top Construction			83,555.00	83,555.00
	ENGINEER'S ESTIMATE			80,000.00	80,000.00
63701	EACH	FIELD OFFICE			
	Virgin Islands Paving, Inc.		1	25,000.00	25,000.00
	Tip Top Construction			18,500.00	18,500.00
	ENGINEER'S ESTIMATE			20,000.00	20,000.00
63801	EACH	LOCATE UTILITIES			
	Virgin Islands Paving, Inc.		12	500.00	6,000.00
	Tip Top Construction			4,500.00	54,000.00
	ENGINEER'S ESTIMATE			1,425.00	17,100.00
64912	EACH	BUS SHELTER			
	Virgin Islands Paving, Inc.		2	25,000.00	50,000.00
	Tip Top Construction			14,500.00	29,000.00
	ENGINEER'S ESTIMATE			18,000.00	36,000.00

TABULATION OF BIDS

Date: 06/09/05

Schedule: A

Project No.: NH-70(9)

Project Name: ROUTE 70, QUEEN MARY HIGHWAY, INTERSECTION IMPROVEMENTS

BID ITEM CHECK PASS

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

TABULATION OF BIDS

Date: 06/09/05

Schedule: A

Project No.: NH-70(9)

Project Name: ROUTE 70, QUEEN MARY HIGHWAY, INTERSECTION IMPROVEMENTS

BID TOTAL CHECK PASS

Bidder	Bidder's Bid Amount	Computed Bid Amount	Error
Virgin Islands Paving, Inc.	1,909,111.00	1,909,111.00	
Tip Top Construction	2,176,315.00	2,176,315.00	

The apparent low bidder is 23 % above the engineer's estimate.

Standard Form 1034 Revised October 1967 Department of the Treasury 1 TFM 4-2000 1034-121		PUBLIC VOUCHER FOR PURCHASES AND SERVICES OTHER THAN PERSONAL			VOUCHER NO.	
U.S. DEPARTMENT, BUREAU, OR ESTABLISHMENT AND LOCATION U. S. Department of Transportation Federal Highway Administration Eastern Federal Lands Highway Division 21400 Ridgeway Circle Sterling, Virginia 20166-6511			DATE VOUCHER PREPARED February 5, 2010		SCHEDULE NO.	
			CONTRACT NUMBER AND DATE DTFH71-05-C-00019 08/02/2005			PAID BY
			REQUISITION NUMBER AND DATE			
PAYEE'S NAME AND ADDRESS Virgin Islands Paving, Inc. 13-GA Estate Bethlehem Kingshill, VI 00851			RECEIVED APR 30 2010 FINANCE DEPT		DATE INVOICE RECEIVED	
					DISCOUNT TERMS	
					PAYEE'S ACCOUNT NUMBER	
					GOVERNMENT B/L NUMBER	
SHIPPED FROM _____ TO _____			FREIGHT _____		GOVERNMENT B/L NUMBER	
NUMBER AND DATE OF ORDER	DATE OF DELIVERY OR SERVICE	ARTICLES OR SERVICES (Enter description, item number of contract or Federal supply schedule, and other information deemed necessary)	QUANTITY	UNIT PRICE		AMOUNT ()
				COST	PER	
		Completed Estimate No. 11 - Final Payment of Contract. This is final settlement for the construction of Project VI NH-70(9), Route 70, Sunshine Mall Intersection, and final closeout is specifically conditioned upon the execution of the Contractor's Release attached hereto and incorporated herein. By: <u>NOB [Signature]</u> Title: <u>PRESIDENT</u> Date: <u>4-13-10</u>				
(Use continuation sheet(s) if necessary) (Payee must NOT use the space below)						TOTAL \$10,250.00
PAYMENT: ☐ PROVISIONAL ☐ COMPLETE ☐ PARTIAL ☒ FINAL ☐ PROGRESS ☐ ADVANCE		APPROVED FOR = \$ 10,250.00 BY ² <u>D. W. Miller</u> Donald W. Miller TITLE Director, Project Delivery	EXCHANGE RATE = \$1.00 5/4/10	DIFFERENCES _____ Amount verified, correct for payment (Signature or initials)		
Pursuant to authority vested in me, I certify that this voucher is correct and proper for payment.						
<u>43010</u> (Date)		<u>[Signature]</u> (Authorized Certifying Officer)		<u>Financial Manager</u> (Title)		
ACCOUNTING CLASSIFICATION						
Proj 1515780070009 Task 540.00.6320.78 Org 1578000000						
PAID BY	CHECK NUMBER ON TREASURER OF THE UNITED STATES		CHECK NUMBER ON (Name of bank)			
	CASH DATE		PAYEE ³			
1 When stated in foreign currency, insert name of currency. 2 If the ability to certify and authority to approve are combined in one person, one signature only is necessary; otherwise the approving officer will sign in the space provided, over his official title. 3 When a voucher is receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary", or "Treasurer", as the case may be.					FOR TITLE	

Previous edition usable

NSN 7540-00-900-2234

PRIVACY ACT STATEMENT
The information requested on this form is required under the provisions of 31 U.S.C. 82b and 82c, for the purpose of disbursing Federal money. The information requested is to identify the particular creditor and the amounts to be paid. Failure to furnish this information will hinder discharge of the payment obligation.

CT-10-147

DEPARTMENT OF TRANSPORTATION
CONTRACTOR'S RELEASE

CONTRACT NO.
DTFH71-05-C-00019

CONTRACTOR (Name and address)

Virgin Islands Paving, Inc.
13-GA Estate Bethlehem
Kingshill, VI 00851

SUM OF

Ten thousand and two hundred and fifty dollars and zero cents

DOLLARS (\$) 10,250.00

In consideration of the sum stated above, which has been paid or is to be paid to the Contractor, or his 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:

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 he will comply with all provisions of the said contract, including without limitation those provisions relating to notifications to the Contracting Officer and relating to the defense or prosecution of litigation.

IN WITNESS WHEREOF, this release has been executed this 12 day of April 2010

WITNESSES

Virgin Islands Paving, Inc.

(Contractor)

BY x

TITLE

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

CERTIFICATE

I, William J. Schierloh, certify that I am the Corporate secretary of the corporation named as Contractor in the foregoing release; that Robert J. Schierloh who signed said release on behalf of the Contractor was then President of said corporation; that said 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.

(CORPORATE SEAL)



GOVERNMENT OF
THE VIRGIN ISLANDS OF THE UNITED STATES

PUBLIC WORKS DEPARTMENT

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

OFFICE OF THE COMMISSIONER

Tel: (340) 773-1789
Fax: (340) 773-0670

June 12, 2006

Ms. Melisa Ridenour, P. E.
Division Engineer
Eastern Federal Lands Highway Division
21400 Ridgetop Circle
Sterling, Virginia 20166

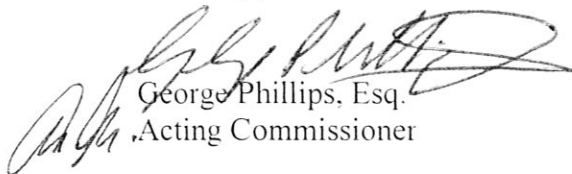
RE: ACCEPTANCE LETTER – Project No. NH-70 (9), Sunshine Mall Intersection, St. Croix

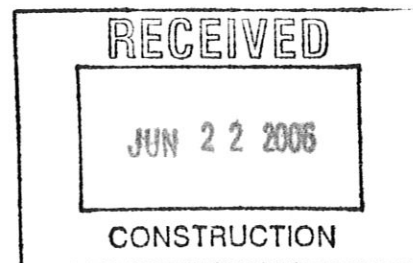
Dear Ms. Ridenour:

A Final Inspection of the above referenced project was conducted on May 26, 2006 with my Deputy Commissioner of Engineering, Aloy Nielsen, Thomas Jones, EFLHD Project Engineer, and a representative from Virgin Islands Paving, Inc. No punch list items were identified during the inspection; all work was satisfactorily completed as per the plans and specifications, on June 7, 2006.

I'm therefore accepting this project as 100% complete as per the requirements of the contract. Please proceed to close out this project. Thank you for your assistance in accomplishing this very significant project.

Sincerely,


George Phillips, Esq.
Acting Commissioner



Xc: Aloy Nielsen, Deputy Commissioner of Engineering
Roberto Fonseca, Acting PR/VI Division Administrator
Wystan Benjamin, Federal-aid Program Manager



U.S. Department
of Transportation
**Federal Highway
Administration**

Eastern Federal Lands
Highway Division

21400 Ridgetop Circle
Sterling, VA 20166-6511

FEB 26 2010

In Reply Refer To: HFCO-15

FEDERAL EXPRESS

Mr. Robert J. Schierloh
President
Virgin Islands Paving, Inc.
13-GA Estate Bethlehem
Kingshill, VI 00851

Subject: Project VI NH-70(9), U. S. Virgin Islands
Reconstruction of Route 70, Sunshine Mall Intersection
Contract Closeout
Contract No. DTFH71-05-C-00019

Dear Mr. Schierloh:

By letter dated February 6, 2007, we advised you of final acceptance of all work effective on June 7, 2006, with the exception of the plant establishment period. Replacement trees were found satisfactory during an inspection on June 28, 2007. Final acceptance was effective on June 28, 2007, and as of that date you were relieved of further maintenance obligations.

Enclosed please find the following documents:

- The final estimate (Estimate No. 11).
- 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. James Mathews, Construction Operations Engineer, at 865-286-6102.

Sincerely yours,



Thomas J. Scott, Jr., P.E.
Construction Engineer

Enclosures





U.S. Department of Transportation
Federal Highway Administration
Federal Lands Highway Office

**Federal Lands Highway
Construction Project
Materials Certification**

State U.S. Virgin Islands Contract No. DTFH71-05-C-00019 Project Name Route 70, Sunshine Mall Intersection
VI NH-70(9)

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 accordance with Federal Lands standards; or (2) that material not complying with the terms of the contract was accepted in accordance with FAR Clause 52.246-12 based on a technical evaluation of material documented in the project records.

It is further certified (1) that the results of verification tests taken during construction conform to validity of acceptance tests according to Federal Lands standards; and (2) that inconsistencies between verification and acceptance tests were responded to in accordance with 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 results (when required) indicate compliance with the terms of the contract; and (2) that if verification tests of such materials were taken, the tests confirmed the validity of the certifications, or the discrepancies were responded to in accordance with Federal Lands standards and so documented in the project records.

for Project Engineer [Signature] Date 9/1/06

Construction Operations Engineer [Signature] Date 9/1/06

Part II – Final Review

It is certified (1) that the results of the 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 materials.

Materials Engineer [Signature] Date 9/6/06

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 [Signature] Date 9/6/06

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
21400 RIDGETOP CIRCLE
STERLING, VIRGINIA 20166

batch #
cntrl #

VI NH-70(9) - U.S. VIRGIN ISLANDS - ROUTE 70, SUNSHINE MALL INTERSECTION

Roadway reconstruction, intersection signalization installation, curb and gutter, and drainage improvements.

TO: VIRGIN ISLANDS PAVING, INC.
P. O. BOX 4720
KINGSHILL, VI 00851-4720

CONSTRUCTION SUMMARY

For work performed up to and including June 28, 2007

FINAL ESTIMATE #11
PERIOD THROUGH 06/28/07

TOTAL AMOUNT EARNED TO DATE \$1,870,213.91

ADJUSTMENTS \$0.00

TOTAL PAYMENTS APPROVED TO DATE \$1,870,213.91

TOTAL PAYMENTS PREVIOUSLY PAID \$1,859,963.91

AMOUNT TO BE PAID THIS ESTIMATE \$10,250.00

CONTRACT NUMBER: DTFH71-05-C-00019
AWARD DATE: August 2, 2005

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

LENGTH 1240 ft

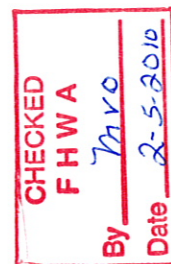
*DTFH71-05-C-00019
FINAL ESTIMATE #11

This estimate submitted 07/09/07 by
Thomas W. Jones, Project Engineer

I certify that the quantities shown herein are supported
by measurements and/or weighings made in accordance
with provisions of the contract, and that contractor's
payrolls have been submitted as prescribed.

ACCOUNT NUMBER
PROJ: 1515780070009; ORG: 1578000000; TASK: 540.00.6320.78

EXPEND LIQUIDATE
\$10,250.00



James Mathews, Construction Operations Engineer
date: 4/22/10
Concur in estimate
Thomas J. Scott, Construction Engineer
date: 4/30/10
Approve for payment
Clarence Jenkins, Financial Manager
date: 4/30/10
Certify funds available

VI NH-70(9) - U.S. VIRGIN ISLANDS - ROUTE 70, SUNSHINE MALL INTERSECTION - FINAL ESTIMATE #11

DATE TIME BEGAN:	09/12/05
DATE CONTRACT COMPLETE:	05/29/06 by CM #0002
DAYS ALLOWED:	280
EXTENSIONS GRANTED BY CM #0002	-20
TOTAL DAYS ALLOWED	260
DAYS USED	260 05/29/06
TIME USED	
to date/allowed	100.00% 06/28/07
WORK COMPLETE	
to date/probable	100.00%
CONSTR FUNDS USED	100.00%
to date/allotted	
CE FUNDS USED	#DIV/0!
to date/allotted	
CE BUDGET USED	98.79%

CONSTRUCTION	BID	TO DATE
CONTRACT	\$1,908,111.00	\$1,870,213.91
DBE INCENTIVE	\$0.00	\$0.00
QUALITY INCENTIVE	\$10,500.00	\$0.00
SMOOTHNESS INCENTIVE	\$0.00	\$0.00
TOTAL	\$1,919,611.00	\$1,870,213.91
FUNDS AUTHORIZED		
PROJ: 1515780070009; ORG: 1578000000; TASK: 540.00.6320.78		
		\$1,870,213.91

BALANCE OR DEFICIT \$0.00

CONSTRUCTION ENGINEERING	AUTHORIZED	TO DATE	PROBABLE	PROBABLE CE/ TO DATE CN
TOTAL-ALL WORK CODES	\$0.00	\$348,729.24	\$353,000.00	18.87%

CE BREAKDOWN	FUNCTION C	FUNCTION I	FUNCTION M	FUNCTION B	FUNCTION T	TOTAL
*TO DATE AUTHORIZED						\$0.00
EXPENDED	\$214,629.51	\$126,620.33	\$7,479.40			\$348,729.24
PROBABLE	\$215,000.00	\$127,000.00	\$11,000.00	\$0.00	\$0.00	\$353,000.00

EXPENDED PER DELPHI REPORTS AS OF 01/14/09 FY 07 & PP 24

*CE AUTH. PER DELPHI
DELPHI CE ACCOUNT NUMBERS
PROJ: 1515780070009; ORG: 1578000000; TASK: 520.00.6320.78
ACCOUNT NUMBER FOR PYRL:

VI NH-70(9) -CE-C-632

Contract Award	\$1,919,611.00
Net CMs	-\$49,397.09
TOTAL CONTRACT AMOUNT	\$1,870,213.91

VINH-70(9) - U.S VIRGIN ISLANDS - ROUTE 70, SUNSHINE MALL
INTERSECTION - FINAL ESTIMATE #11

ITEM NO.	DESCR.	CONTRACTED			FINAL QUANTITIES			TOTAL CHANGE	PERCENT VARIATION	OVERRUN				
		QUANTITY	CM	AMENDED UNIT	UNIT PRICE	AMOUNT	CURRENT				PREVIOUS TO DATE	AMOUNT		
15101	MOBILIZATION	100.000		100.000	LPSM	\$150,627.20	\$150,627.20	0.000	100.000	100.000	\$150,627.20	0.00	0.00	0
15201	CONSTRUCTION SURVEY AND STAKING	100.000		100.000	LPSM	\$35,000.00	\$35,000.00	0.000	100.000	100.000	\$35,000.00	0.00	0.00	0
15401	CONTRACTOR TESTING	100.000		100.000	LPSM	\$25,000.00	\$25,000.00	0.000	100.000	100.000	\$25,000.00	0.00	0.00	0
15716C	INLET PROTECTION, TYPE C (CM #0003, 02/22/07, decrease quantity 5 each)	17.000	-5.000	12.000	EACH	\$24,000.00	\$24,000.00	0.000	12.000	12.000	\$24,000.00	-5.00	-29.41	0
20207	PRUNING TREES	5.000		5.000	EACH	\$1,000.00	\$5,000.00	0.000	5.000	5.000	\$5,000.00	0.00	0.00	0
20211	REMOVAL OF INDIVIDUAL TREES (MAHOGANY) (CM #0003, 02/22/07, decrease quantity 1 each)	7.000	-1.000	6.000	EACH	\$3,500.00	\$21,000.00	0.000	6.000	6.000	\$21,000.00	-1.00	-14.29	0
20301AD	REMOVAL OF LIGHT POLE (with luminaire) (CM #0003, 02/22/07, increase quantity 1 each)	1.000	1.000	2.000	EACH	\$2,500.00	\$5,000.00	0.000	2.000	2.000	\$5,000.00	1.00	100.00	0
20301F	REMOVAL OF INLETS	3.000		3.000	EACH	\$1,000.00	\$3,000.00	0.000	3.000	3.000	\$3,000.00	0.00	0.00	0
20302AD	REMOVAL OF WATERLINE (CM #0003, 02/22/07, decrease quantity 330 lnft)	330.000	-330.000	0.000	LNFT	\$20.00	\$0.00	0.000	0.000	0.000	\$0.00	-330.00	-100.00	0
20302H	REMOVAL OF PIPE CULVERTS (CM #0003, 02/22/07, decrease quantity 30 lnft)	60.000	-30.000	30.000	LNFT	\$100.00	\$3,000.00	0.000	30.000	30.000	\$3,000.00	-30.00	-50.00	0
20302SB	REMOVAL OF PORTLAND CEMENT CONCRETE CURB AND GUTTER (CM #0003, 02/22/07, decrease quantity 188.6 lnft)	1600.000	-188.600	1411.400	LNFT	\$6.50	\$9,174.10	0.000	1411.400	1411.400	\$9,174.10	-188.60	-11.79	0
20303AB	REMOVAL OF CONCRETE (BUS STOP PADS AND SHELTER) (CM #0003, 02/22/07, decrease quantity 75 sqyd)	140.000	-75.000	65.000	SQYD	\$40.00	\$2,600.00	0.000	65.000	65.000	\$2,600.00	-75.00	-53.57	0
20304AR	REMOVAL OF WATERLINE (sprinkler system)	100.000		100.000	LPSM	\$2,500.00	\$2,500.00	0.000	100.000	100.000	\$2,500.00	0.00	0.00	0
20307	SAWCUTTING PAVEMENT (CM #0003, 02/22/07, increase quantity 12.07 lnft)	1240.000	12.070	1252.070	LNFT	\$3.00	\$3,756.21	0.000	1252.070	1252.070	\$3,756.21	12.07	0.97	0

VINH-70(9) - U.S VIRGIN ISLANDS - ROUTE 70, SUNSHINE MALL
INTERSECTION - FINAL ESTIMATE #11

ITEM NO.	DESCR.	CONTRACTED			FINAL QUANTITIES			TOTAL CHANGE	PERCENT VARIATION	OVERRUN QUANTITY
		QUANTITY	CM	AMENDED UNIT PRICE	AMOUNT	CURRENT PREVIOUS TO DATE	AMOUNT			
20401	ROADWAY EXCAVATION (CM #0003, 02/22/07, decrease quantity 545.96 cuyd)	3200.000	-545.960	2654.040 CUYD	\$15.00 \$39,810.60	0.000 2654.040	2654.040 \$39,810.60	-545.96	-17.06	0
30101Z	AGGREGATE BASE, GRADING C OR D (CM #0003, 02/22/07, decrease quantity 151.17 ton)	4200.000	-151.170	4048.830 TON	\$50.00 \$202,441.50	0.000 4048.830	\$202,441.50	-151.17	-3.60	0
35	QUALITY INCENTIVE, PAY FACTOR 1.05, MAXIMUM BONUS 5% - This item does not qualify (based on SCR Section 301) (CM #0003, 02/22/07, deleted quality incentive)	4200.000	-4200.000	0.000 TON	\$2.50 \$0.00	0.000 0.000	\$0.00	-4200.00	-100.00	0
40101BC	HOT ASPHALT CONCRETE PAVEMENT, CLASS B, GRADING C (CM #0003, 02/22/07, decrease quantity 613.89 ton)	2350.000	-613.890	1736.110 TON	\$115.00 \$199,652.65	0.000 1736.110	\$199,652.65	-613.89	-26.12	0
40101BED	HOT ASPHALT CONCRETE PAVEMENT, CLASS B, GRADING E, TYPE 4 PAVEMENT SMOOTHNESS (CM #0003, 02/22/07, increase quantity 323.05 ton)	1200.000	323.050	1523.050 TON	\$115.00 \$175,150.75	0.000 1523.050	\$175,150.75	323.05	26.92	0
41202	TACK COAT (CM #0003, 02/22/07, increase quantity 27.12 gal)	1200.000	27.120	1227.120 GAL	\$4.00 \$4,908.48	0.000 1227.120	\$4,908.48	27.12	2.26	0
60201P	36-INCH PIPE CULVERT (CM #0003, 02/22/07, decrease quantity 22 Inft)	850.000	-22.000	828.000 LNFT	\$180.00 \$149,040.00	0.000 828.000	\$149,040.00	-22.00	-2.59	0
60209H	ELBOW, 12-INCH (CM #0001, 12/19/05, decrease quantity 4 each)	4.000	-4.000	0.000 EACH	\$500.00 \$0.00	0.000 0.000	\$0.00	-4.00	-100.00	0
60403FA	INLET, TYPE 6A-6 (CM #0003, 02/22/07, increase quantity 1 each)	12.000	1.000	13.000 EACH	\$5,400.00 \$70,200.00	0.000 13.000	\$70,200.00	1.00	8.33	0
60405	MANHOLE ADJUSTMENT (CM #0003, 02/22/07, decrease quantity 1 each)	1.000	-1.000	0.000 EACH	\$3,000.00 \$0.00	0.000 0.000	\$0.00	-1.00	-100.00	0

VINH-70(9) - U.S VIRGIN ISLANDS - ROUTE 70, SUNSHINE MALL
INTERSECTION - FINAL ESTIMATE #11

ITEM NO.	DESCR.	CONTRACTED			FINAL QUANTITIES			TOTAL CHANGE	PERCENT VARIATION	OVERRUN QUANTITY
		QUANTITY	CM	AMENDED UNIT PRICE	AMOUNT	CURRENT	PREVIOUS TO DATE			
60902V	PORTLAND CEMENT CONCRETE CURB AND GUTTER, 13-INCH DEPTH (CM #0003, 02/22/07, increase quantity 357.8 lnft)	2800.000	357.800	3157.800 LNFT	\$63.00 \$198,941.40	0.000	3157.800	3157.800	\$198,941.40	357.80 12.78 0
		12.000		12.000 EACH	\$50.00 \$600.00	0.000	12.000	12.000	\$600.00	0.00 0.00 0
60909A	WHEELSTOP (CONCRETE)									
61102ED	CM #0003, 02/22/07, 1 1/2-INCH WATERLINE, POLYVINYL CHLORIDE (PVC) (Sprinkler system)		181.000	181.000 LNFT	\$51.51 \$9,323.31	0.000	181.000	181.000	\$9,323.31	0.00 0.00 0
61102GD	2-INCH WATERLINE, POLYVINYL CHLORIDE (PVC) (Sprinkler system) (CM #0003, 02/22/07, decrease quantity 72 lnft)	400.000	-72.000	328.000 LNFT	\$16.00 \$5,248.00	0.000	328.000	328.000	\$5,248.00	-72.00 -18.00 0
61102QD	12-INCH WATERLINE, POLYVINYL CHLORIDE (PVC) (C-900) (CM #0001, 12/19/05, decrease quantity 350 lnft)	350.000	-350.000	0.000 LNFT	\$60.00 \$0.00	0.000	0.000	0.000	\$0.00	-350.00 -100.00 0
61109B	ADJUST WATER VALVE (CM #0003, 02/22/07, decrease quantity 1 each)	2.000	-1.000	1.000 EACH	\$500.00 \$500.00	0.000	1.000	1.000	\$500.00	-1.00 -50.00 0
61109E	ADJUST WATER METER (CM #0003, 02/22/07, increase quantity 1 each)	1.000	1.000	2.000 EACH	\$500.00 \$1,000.00	0.000	2.000	2.000	\$1,000.00	1.00 100.00 0
61501B	PORTLAND CEMENT CONCRETE SIDEWALK (CM #0003, 02/22/07, increase quantity 80 sqyd)	220.000	80.000	300.000 SQYD	\$65.50 \$19,650.00	0.000	300.000	300.000	\$19,650.00	80.00 36.36 0
61505B	PORTLAND CEMENT CONCRETE WHEELCHAIR RAMP (CM #0003, 02/22/07, increase quantity 25.08 sqyd)	48.000	25.080	73.080 SQYD	\$115.00 \$8,404.20	0.000	73.080	73.080	\$8,404.20	25.08 52.25 0
62518	TURF ESTABLISHMENT (CM #0003, 02/22/07, increase quantity 54 sqyd)	1000.000	54.000	1054.000 SQYD	\$13.00 \$13,702.00	0.000	1054.000	1054.000	\$13,702.00	54.00 5.40 0

VI NH-70(9) - U.S VIRGIN ISLANDS - ROUTE 70, SUNSHINE MALL
INTERSECTION - FINAL ESTIMATE #11

ITEM NO.	DESCR.	CONTRACTED			FINAL QUANTITIES			TOTAL CHANGE	PERCENT VARIATION	OVERRUN QUANTITY
		QUANTITY	CM	AMENDED UNIT PRICE	AMOUNT	CURRENT	PREVIOUS TO DATE			
62601MADB	MISCELLANEOUS TREE, 2 1/2" - 3" CALIPER, BALLED AND BURLAPPED (SMALL LEAF WEST INDIAN MAHOGANY)	8.000		8.000 EACH \$2,000.00	\$16,000.00	2.000	6.000	0.00	0.00	0
	LANDSCAPING (SUNSHINE MALL ENTRANCE)	100.000		100.000 LPSM \$25,000.00	\$25,000.00	25.000	75.000	0.00	0.00	0
	SIGNS, ALUMINUM PANELS, TYPE 3 SHEETING (CM #0003, 02/22/07, increase quantity 21.75 sqft)	60.000	21.750	81.750 SQFT \$180.00	\$14,715.00	0.000	81.750	21.75	36.25	0
63304CC	REMOVING AND RESETTNG SIGN	1.000		1.000 EACH \$500.00	\$500.00	0.000	1.000	0.00	0.00	0
63308A	REMOVING AND RESETTNG SIGN (SUNSHINE MALL ENTRANCE SIGN) (CM #0003, 02/22/07, decrease quantity 0.15 each)	1.000	-0.150	0.850 EACH \$18,000.00	\$15,300.00	0.000	0.850	-0.15	-15.00	0
63401HA	PAVEMENT MARKINGS, TYPE H, SOLID (CM #0003, 02/22/07, increase quantity 3964 lnft)	5110.000	3964.000	9074.000 LNFT \$1.18	\$10,707.32	0.000	9074.000	3964.00	77.57	0
63401HB	PAVEMENT MARKINGS, TYPE H, BROKEN (CM #0003, 02/22/07, decrease quantity 1072 lnft)	1300.000	-1072.000	228.000 LNFT \$1.18	\$269.04	0.000	228.000	-1072.00	-82.46	0
63402	PAVEMENT MARKINGS (CM #0003, 02/22/07, increase quantity 263 sqft)	1320.000	263.000	1583.000 SQFT \$6.00	\$9,498.00	0.000	1583.000	263.00	19.92	0
63501	TEMPORARY TRAFFIC CONTROL	100.000		100.000 LPSM \$40,000.00	\$40,000.00	0.000	100.000	0.00	0.00	0
63611A	RELOCATE LUMINAIRE	7.000		7.000 EACH \$3,500.00	\$24,500.00	0.000	7.000	0.00	0.00	0
63615	TRAFFIC DETECTOR WIRE LOOP (CM #0003, 02/22/07, decrease quantity 4 each)	9.000	-4.000	5.000 EACH \$2,300.00	\$11,500.00	0.000	5.000	-4.00	-44.44	0
63615	CM #0003, 02/22/07, TRAFFIC DETECTOR WIRE LOOP (Quadruple 6' x 30')		2.000	2.000 EACH \$717.00	\$1,434.00	0.000	2.000	0.00	0.00	0

VI NH-70(9) - U.S VIRGIN ISLANDS - ROUTE 70, SUNSHINE MALL
INTERSECTION - FINAL ESTIMATE #11

ITEM NO.	DESCR.	CONTRACTED			FINAL QUANTITIES			TOTAL CHANGE	PERCENT VARIATION	OVERRUN QUANTITY
		QUANTITY	CM	AMENDED UNIT PRICE	AMOUNT	CURRENT	PREVIOUS TO DATE			
63615	CM #0003, 02/22/07, TRAFFIC DETECTOR WIRE LOOP (6' x 30')	2.000	2.000	EACH \$601.00	\$1,202.00	0.000	2.000	0.00	0.00	0
63641A	SIGNAL SYSTEM (CM #0003, 02/22/07, decrease quantity 1 each)	1.000	-1.000	0.000 EACH \$210,000.00	\$0.00	0.000	0.000	-1.00	-100.00	0
63641A	CM #0003, 02/22/07, SIGNAL SYSTEM (new unit price)	1.000	1.000	EACH \$221,983.15	\$221,983.15	0.000	1.000	0.00	0.00	0
63701	FIELD OFFICE	1.000	1.000	EACH \$25,000.00	\$25,000.00	0.000	1.000	0.00	0.00	0
63801	LOCATE UTILITIES (CM #0003, 02/22/07, increase quantity 4 each)	12.000	4.000	EACH \$500.00	\$8,000.00	0.000	16.000	4.00	33.33	0
64912	BUS SHELTER	2.000	2.000	EACH \$25,000.00	\$50,000.00	0.000	2.000	0.00	0.00	0
66601	CM #0003, 02/22/07, CONTRACT MODIFICATION WORK (Replace existing box culvert at Sta. 14+72 with 24- inch pipe culvert and one 24-inch end section)	100.000	100.000	LPSM \$6,375.00	\$6,375.00	0.000	100.000	0.00	0.00	0

FISCAL DATA RECORD

VI NH-70(9)

CONTRACT DTFH71-05-C-00019
with **VIRGIN ISLANDS PAVING, INC.**
TIN # 66-0384389

disbursements to:

BANCO POPULAR DE PUERTO RICO

CHRISTIANSTED, VI 00822

0215 0201 1

(190029595) VIRGIN ISLANDS PAVING, INC.

CURRENT PROBABLES	\$ 1,870,213.91
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% TIME COMPLETE	100.00%
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%WORK COMPLETE	100.00%
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Proj 1515780070009; Org 1578001188; Task 540.00.6320.78

[illegible]



Queen Mary Highway, Proposed Island at Station 15+50 Lt. (East Bound) – Before



Queen Mary Highway, Island at Station 15+50 Lt. (East Bound) - After



Queen Mary Highway, Proposed Island at Station 16+25 Lt. (West Bound) - Before



Queen Mary Highway, Island at Station 16+25 Lt. (West Bound) - After



Queen Mary Highway, Sunshine Mall Entrance Sign at Station 18+00 Rt. (Looking North – Before



Queen Mary Highway, Sunshine Mall Entrance Sign at Station 18+00 Rt. (Looking North) - After



Queen Mary Highway, Existing Culvert at Station 14+75 Rt. (West Bound) – Before



Queen Mary Highway, New 24" Pipe Culvert and End Section at Station 18+00 Rt. (West Bound) - After



Queen Mary Highway, Proposed Island at Station 18+75 Lt. (East Bound) – Before



Queen Mary Highway, Island at Station 18+75 Lt. (East Bound) - After



Queen Mary Highway, Proposed Island at Station 17+65 Lt. (West Bound) – Before



Queen Mary Highway, Sidewalk and Bus Stop at Station 17+45 Lt. (West Bound) - After



Queen Mary Highway, Station 19+50 Rt. (West Bound) – After



Queen Mary Highway, Station 19+50 Rt. (West Bound) - After



Queen Mary Highway, Sprinkler System, Station: 16+00 Rt.



Queen Mary Highway, Sprinkler System, (Pop-up Spray Head) Station: 17+50 Rt.