



U.S. Department
of Transportation

Federal Highway
Administration

Eastern Federal Lands
Highway Division

Final Construction Report

Project No.: VI Q NH – E(8)

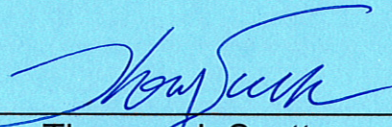
Location: Market Street between King Street and Company Street in
Downtown Christiansted on St. Croix in the U.S. Virgin Islands.

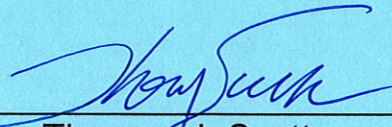
Description: The renovation of Sunday Market Square included the
reconstruction sidewalks with aesthetic bricks and granite stone
curbs with wheelchair ramps. The work also included the
underground relocation of existing water, sewer, electric, and
communication. Storm drainage improvements, and the
installation of architectural bollards and street lighting.

Submitted by Daniel Camacho
Project Engineer

Recommended by: Christopher Schneider
Construction Operations Engineer

Approved by: _____


Thomas J. Scott
Construction Engineer


Date 2/16/11

FINAL CONSTRUCTION REPORT

**PROJECT: VI Q NH – E(8)
SUNDAY MARKET SQUARE
ST. CROIX, U.S. VIRGIN ISLANDS**

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FINAL CONSTRUCTION REPORT

PROJECT: VI Q NH – E(8) SUNDAY MARKET SQUARE ST. CROIX, U.S. VIRGIN ISLANDS

I. PROJECT DESCRIPTION

A. Project Number – Project No. VI Q NH – E(8) was located along Market Street between King Street and Company Street in Downtown Christiansted on St. Croix in the U.S. Virgin Islands. This project was performed for the Virgin Islands Department of Public Works.

B. Description of Work –

The renovation of Sunday Market Square included the reconstruction of this section of Market Street, sidewalks with aesthetic bricks, and granite stone curbs and wheelchair ramps. The work also included the underground relocation of existing water, sewer, electric, and communication utilities as well as the transplantation of mahogany trees, storm drainage improvements, and the installation of architectural bollards and street lighting.

The project also included reconstruction of the asphalt pavement in the intersections, and transition of the asphalt pavement to tie to existing pavement along King, Company and Market Streets, on both ends of the Square

C. Environmental Considerations –

The project received Categorical Exclusion on July 3, 2003. The State Historical Preservation Office also submitted the certificate of approval for project compliance with Section 106 on August 8, 2003. Also, the Virgin Islands' Department of Planning and Natural Resources granted consistency to the Coastal Zone Management Program on July 15, 2003.

II. PROJECT DATA

A. Specifications –

Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects, FP-96 and Project's Special Contract Requirements.

B. Termini –

The total reconstructed Sunday Market Square is a one city block section between the intersections with Company Street to the south and the intersection with King Street to the north. Also necessary pavement transitions were made along King, Company and Market Street in order to meet the new pavement in the square.

C. Length –

Mainline:	260 feet
Intersecting & side streets:	740 feet
Total:	1000 feet

D. Width –

Mainline:	21 feet
Side streets:	23 feet

E. Pavement Structure –

Mainline was reconstructed using 2 ¼-inch brick pavers and 3-inch cobblestone blocks grouted on a 2-inch mortar bed over a 6-inch reinforced concrete base slab. The service road parallel to the mainline was reconstructed using 2 ¼-inch brick pavers grouted on a 1-inch mortar layer over a 6-inch Grading D aggregate base.

On the intersecting and side streets all underground utility trenches were backfilled with flowable fill (lean concrete) mix. Existing pavement was milled to a depth of 5 inches and paved in two 2-inch lifts with Hot Asphalt Concrete Pavement.

F. Structures – No major structures were constructed during this project.

G. Contract Number and Date –

DTFH71-04-C-00013, December 18, 2003

H. Contracting Officers –

Melisa L. Ridenour	Division Engineer
Donald W. Miller	Director of Project Delivery
Wanda A. Pfeffer	Contracting Officer
Eduardo A. Calderon	Construction Engineer
Christopher Schneider	Construction Operations Engineer

I. Contract Bid Amount - \$ 1,466,122.15

J. Engineer's Estimate - \$ 1,276,000.00

K. Final Contract Amount - \$ 2,108,327.21

L. Contract Time -

Date of Award:	December 18, 2003
Notice To Proceed:	March 1, 2004
Contract Time Bid:	365 calendar days
Original Completion Date:	February 28, 2005
Substantial Completion Date:	February 28, 2005
Date of All Work Completed:	January 31, 2006
Liquidated Damages Assessed:	None

M. Contractor

Tip Top Construction, Corp. Disadvantaged Business Enterprise (DBE)
 5064 Mt. Welcome
 Christiansted, VI 00820

N. Subcontractors

Meade Electric, Inc. Small Business Concern (SBC) \$24,060.00
 PO Box 5566
 St. Croix, VI 00823
*Installation and testing of electrical conductors,
 connections, and transformers*

Virgin Islands Paving, Inc. SBC \$88,880.77
 PO Box 4720
 Kingshill, VI 00851
Milling and paving operations

Charlie's Diamond Concrete Services, Inc. DBE \$71,911.15
 #13-1 Estate Bethlehem
 Frederiksted, VI 00840
Concrete and flowable fill mix supplier

O. Construction Engineering Costs

FLH PE Costs: \$351,484.71
 FLH CE Costs: \$316,312.26
 CI Costs: \$ 66,378.72
 Total Costs: \$735,257.69

Percent of Final Contract Amount: 34.9

P. Maintaining Agency

Virgin Islands Department of Public Works (VI-DPW)
 6002 Estate Anna's Hope
 Christiansted, VI 00820-4428

III. CONSTRUCTION**A. Materials**

Item 20701BA: Earthwork Geotextile, Type IIA

Supplier: Synthetic Industries
 Geosynthetics Products Division
 Product: Geotex 401

Item 25803: Reinforced Concrete Retaining Wall

Item 50101N: Reinforced Portland Cement Concrete Pavement, 6-inch Depth
And

Item 66601: Contract Modification Work (Reinforced Concrete Water Crossing)

Supplier: Charlie's Diamond Concrete Services, Inc.

#13-1 Estate Bethlehem

Frederiksted, VI 00840

Mix Requirements: Minimum Strength – 3500 pounds per square inch (psi) in 28 days

Minimum Cement Content – 611 pounds per cubic yard (pcy)

Maximum Water/Cement Ratio – 0.49

Maximum Slump – 2.0 to 4.0 inches

Minimum Air Content – 4.0 percent

Portland Cement: AASHTO M85, Type I/II 615 pcy
Holcim Cement
Puerto Cumarebo, Venez.

Fine Aggregate: Manufactured Sand 1440 pcy
Springfield Quarry
St. Croix, VI

Clay lumps & friable particles: 0.3 percent
Coal & lignite: 0.0 percent
Argillaceous limestone & other soft particles: 0.4 percent
Total deleterious excluding No. 200 sieve: 1.2 percent
Specific Gravity, saturated surface dry (SSD): 2.67
Alkali Reactivity (ASTM C1260): 0.09 percent
Absorption: 1.9 percent

Coarse Aggregate: No. 67 Stone 1650 pcy
Springfield Quarry
St. Croix, VI

Clay lumps & friable particles: 0.3 percent
Coal & lignite 0.0 percent
Argillaceous limestone & other soft particles: 0.5 percent
Total deleterious excluding No. 200 sieve: 1.4 percent
Specific Gravity, SSD: 2.66
Absorption: 1.6 percent

Water: Potable (well water) 295 pcy

Water Reducer: Pozzolith 300R 26 fl oz./cy
Master Builders, Inc.
23700 Chagrin Blvd.
Cleveland, OH 44122

Average Test Results: Slump = 3.7 inches
28-day cylinder breaks = 2956 psi

Note: The handling of the cylinder samples by the testing subcontractor was very questionable; this may be a direct cause for lower than normal breaks. The contractor also established that the Portland cement material (batch) delivered to the island during the summer showed a slower hydration rate than previous material used, even though it was same type of cement and from same supplier. To support this claim the Contractor submitted 56-day cylinder breaks that averaged 3487 psi. This material was accepted with no reduction in pay.

Item 30102: Aggregate Base, Grading C or D, 6-inch Depth

Aggregate Grading Used: D

Supplier: Aggregate Inc.
St. Croix, VI

L.A. Abrasion:	16.0 percent
Bulk Specific Gravity:	2.70
Liquid limit:	25
Plasticity Index:	2.3
Maximum Dry Density:	143.5 pounds per cubic foot (pcf)
Optimum Moisture Content:	7.50 percent

Mix Design Properties:

<u>Sieves</u>	<u>Target Value (Percent Passing)</u>	<u>Allowable Deviation (percent)</u>	<u>Specification (Percent Passing)</u>
1"	100	—	97-100
3/4"	94	±6	88-100
3/8"	77	±6	71-83
No. 4	36	±6	30-42
No. 40	12	±4	8-16
No. 200	4.0	±3	1.0-7.0

Item 40101BC: Hot Asphalt Concrete Pavement, Class B, Grading C
And

Item 40101BED: Hot Asphalt Concrete Pavement, Class B, Grading E,
Type 4 pavement smoothness

Note: The mix design submitted met the requirements for Grading C and D, and as a result was approved for use in both items.

Supplier: Virgin Islands Paving Co.
 13GA Estate Bethlehem
 Kingshill, VI 00851

Plant Location: St. Croix, VI (BDM Drum Mixer)

Aggregates: No. 67 Stone 20 percent
 Devcon International
 Springfield Quarry
 St. Croix, VI

Specific Gravity, SSD: 2.776
 Absorption: 0.79 percent
 Fractured Faces: 100 percent
 Los Angeles Abrasion: 10.9 percent
 Sodium Sulfate Soundness: 0.9 percent

No. 4 Stone 12 percent
 Devcon International
 Springfield Quarry
 St. Croix, USVI

Specific Gravity, SSD: 2.733
 Absorption: 1.36 percent
 Fractured Faces: 100 percent
 Los Angeles Abrasion: 10.9 percent
 Sodium Sulfate Soundness: 0.9 percent

No. 5 Stone Dust 68 percent
 Devcon International
 Springfield Quarry
 St. Croix, USVI

Specific Gravity, SSD: 2.655
 Fractured Faces: 100 percent
 Los Angeles Abrasion: 10.9 percent
 Sodium Sulfate Soundness: 0.9 percent
 Plasticity Index: Non-plastic

Asphalt Cement Grade and Source: 60/70 Penetration with 1.027 Specific Gravity

Produced by: Sargeant Trading LTD
 Isla Refinery

Supplied by: Sargeant Marine

Antistripping Additive: None required

Mix Design Properties:

<u>Sieves</u>	<u>Target Value (Percent Passing)</u>	<u>Allowable Deviation (Percent)</u>	<u>Specification (Percent Passing)</u>
1"	100	-	-
¾"	100	-	-
½"	98	-	-
3/8"	95	±5	90-100
No. 4	73	±6	67-79
No. 8	41	±6	35-47
No. 16	19	±4	15-23
No. 30	8.0	±2	6.6-10.6
No. 50	15	±3	12-18
No. 100	12	-	-
No. 200	27	-	-

Asphalt content – 6.1 (±0.5) percent of total mix

Maximum Theor. Spec. Gravity – 2.510

Maximum theoretical density – 156.6 pcf

Voids in Material Aggregate – 17.87 percent

Dust/asphalt ratio – 0.71

Average production density – 145.5 pcf (93 percent)

Note: This item was accepted under tested conformance. Because of the small quantity required, statistical evaluation for acceptance was not required.

Item 60903AU: Stone Curb, Type I, 12-inch depth

Item 60903AY: Stone Curb, Type I, 18-inch depth

Item 61505C: Stone Wheelchair Ramp

And

Item 61508G: Paving, Cobblestone

Supplier: Swenson Granite Company, LLC
369 North State St.
Concord, NH 03301

Item 61501D: Brick Sidewalk

And

Item 61508D: Paving Brick

Supplier: Pine Hall Brick
P.O. Box 11044
2701 Shorefair Dr.
Winston-Salem, NC 27116

Product: Sidewalk Brick: Carytown RF Modular
Paving Brick: English Edge Buff

Item 61905: Bollard Post

Supplier: Talladega Foundry
 P.O. Box 579
 726 Stone Avenue
 Talladega, AL 35160

Product: Cannon Bollards

Item 63602: Lighting Installation

Supplier: Alloy Castings Co. Inc.
 151 West Union St.
 East Bridgewater, MA 02333

Product: Amherst Style Decorative Pole

Supplier: Spring City Electrical Mfg. Co.
 P.O. Box 19
 Hall & Main Streets
 Spring City, PA 19475

Product: Jefferson with Ladder Rest Luminaries

B. Experimental or New Features – None**C. Changes & Problems –****1. Changes**

Contract Modification (CM) No. 1: This CM was issued to address the addition of a detour route to the temporary traffic control plan and the redesign of the original underground electrical distribution system. In addition, quantities on several existing contract items were modified to fit field conditions.

Net Contract Increase = \$ 204,957.05. No change in contract time.

CM No. 2: This CM modified the original contract items to change quantities due to existing field conditions.

Net contract increase = \$ 185,750.91. No change was made in contract time.

CM No. 3: This CM was issued to address additional work requested by the Virgin Islands Government and adjusted quantities to fit field conditions. Some of the new work items incorporated included a redesign of the water system, redesign of sewer system, pavement markings, gutter clean up, and concrete curb and gutter. This

modification also modified quantities on original contract items to reflect final quantities used.

Net Contract Decrease = (\$ 1,015.74). No change in contract time.

CM No. 4: This CM was issued to address additional work requested by the Virgin Islands Government and required to fit field conditions. The most significant items added to the contract under this modification included the storm drain system, restoration work, tree pits, reinforced concrete water crossing, and sidewalk brick joint sealer. This modification also incorporated final quantities of existing contract items, including the deletion of items for 12-inch pipe culvert and Type B inlet.

Net contract increase = \$ 252,512.84. No change in contract time.

Significant Overruns and Underruns:

Item 20302AE: Removal of Waterline –

Most of the existing waterline was abandoned in place with the approval of the VI-DPW. The contract quantity underran by 406.50 linear feet or 81 percent.

Item 20401: Roadway Excavation –

The overall roadway elevation was lowered 5 inches to accommodate the historical well into the eastern sidewalk. The contract quantity underran by 359 cubic yards or 36 percent.

Item 20101BA, Earthwork Geotextile, Type IIA –

This separation geotextile was not used to increase bonding of reinforced concrete base slab and mortared paving brick layer. This design change was recommended by the Contractor and approved by the government. The Contractor was reimbursed for the cost of the material and delivery to VI-DPW storage site. The contract quantity underran by 620 square yards or 95 percent.

Item 25803, Reinforced Concrete Retaining Wall –

The existing retaining wall was structurally unstable and did not have any historical significance, so it was replaced in its entirety. The original contract quantity overran by 35 cubic yards or 140 percent.

Item 30101ZN, Aggregate Base, Grading C or D, 6-inch depth –

The increase in the width of the eastern sidewalk, to accommodate the historical well, resulted in additional aggregate base. Also, the original contract quantity was underestimated. The contract quantity overran by 695 square yards or 66 percent.

Item 40101BC, Hot Asphalt Concrete Pavement, Class B, Grading C –

Changes to underground communication and electrical utilities required the extension of paving areas. The original contract quantity overran by 62 tons or 30 percent.

Item 40101BED, Hot Asphalt Concrete Pavement, Class B, Grading E, Type 4 Pavement Smoothness –

Changes to underground communication and electrical utilities required the extension of paving areas. The original contract quantity overran by 113 tons or 71 percent.

Item 50101N, Reinforced Portland Cement Concrete Pavement, 6-inch Depth

The narrowing of the main roadway from 24 feet to 21 feet was required to accommodate the historic well. As a result, the total area of roadway slab constructed was decreased. The original contract quantity underran by 169 square yards or 27 percent.

Item 60103, Concrete (Wellhead) -

This item was intended to compensate the contractor for building a replica of the historic well. This item was deleted since the replica was never constructed. A restoration of the original historic well was performed instead, and was incorporated into the contract under CM No. 4, Restoration Work.

Item 60102H, 12-inch Pipe Culvert –

This item was deleted. The redesign of the roadway to accommodate the historic well prohibited the use of this item for the roadway storm drain system. The contractor was reimbursed for the cost of this material (170 linear feet) and for delivery to the VI-DPW storage site under CM No. 4, Storm Drain.

Item 60403EB, Inlet, Type 5B –

This item was deleted. The redesign of the roadway to accommodate the historic well prohibited the use of this item for the roadway storm drain system. A redesigned storm drain system was incorporated in the project through CM No. 4.

Item 60509, Sand –

This item was deleted since the Contractor elected to use lean, flowable concrete mix as backfill for the communications and electrical trenches.

Item 60704, Reconditioning Drainage Structures –

This item was deleted. Most of the existing storm drainage system had to be removed in order to accommodate the historic well. The drainage structures were replaced with a new storm drain system.

Item 60903AU, Stone Curb, Type 1, 12-inch Depth –

This item overran by 113 percent. The changes to the road storm drain system allowed the installation of 12-inch stone curb instead of 18-inch (depth).

Item 60903AY, Stone Curb, Type 1, 18-inch Depth –

This item underran by 53 percent. The changes to the road storm drain system allowed the installation of 12-inch stone curb instead of 18-inch (depth).

Item 61101, Water System –

The original contract item was deleted and replaced by a new water system item, which included all redesign and field adjustment work required to make the system fully operational.

Item 61201, Sewer System –

The original contract item was deleted and replaced by a new sewer system item, which included all redesign and field adjustment work required to make system operational.

Item 61501D, Brick Sidewalk –

This item overran 88 percent. The original contract quantity was underestimated. Also, the total area of brick sidewalk was increased when the eastern sidewalk was widened to accommodate the historic well.

Item 61508D, Paving Brick –

This item underran 25 percent. The roadway width was reduced to accommodate the widening of the eastern sidewalk. Also, the new storm drain system incorporated cast iron grates on most of the road gutter areas, which reduced the need for brick pavers.

Item 63605G, Relocate Electrical Line –

The original contract item was deleted and replaced by a new pay item Relocate Electrical Line that included all redesign and field adjustment work required to make the system fully operational.

Item 63606LA, Conduit, 4-inch, PVC –

This item overran 19 percent. The original locations of the conduit risers on King Street were relocated to safer locations. This required additional conduit length.

Item 63801, Locate Utilities –

This item overran 40 percent. The original contract quantity was underestimated.

2. ProblemsElectrical System

The underground electrical distribution system had to be redesigned to include connections required to make the system operational, that were not part of the original contract. The new design also simplified the underground network of electrical conduits to improve the overall safety of the area during maintenance of underground utilities.

Completion of the streetlight work, and the project, was delayed until the local utility company supplied the power and meter for the system. As this was beyond the contractor's control, no liquidated damages were imposed.

Water System

The relocation of the existing waterline required four resilient gate valves to connect to the water main, which were not included in the original contract. The new system also incorporated boxes and manifolds to allow for additional metered services to existing buildings with minimal disruption to completed work.

Sewer System

The relocation of the existing sewerline required the addition of a collection line for the eastern buildings and two new manholes to meet code requirements for the gravity flow system.

Restoration Work

The original project work included a Cultural Resource Investigation study, the reconditioning of an existing Danish-era culvert, and the construction of a replica of a Danish-era well. However, during initial demolition work, the Contractor discovered the remains of the original well. The Virgin Islands Government requested that this well be restored and incorporated into the final project layout. In order to accomplish this task, the eastern sidewalk had to be widened three feet; this required the narrowing of the roadway from twenty-four feet to twenty-one feet, curb to curb. In addition, the overall sidewalk and roadway elevations had to be lowered five inches. This required the removal of two-thirds of the existing Danish culvert as well as the redesign of the roadway storm drain system.

The State Historical Preservation Office (SHPO) of the Virgin Islands allowed the removal of the culvert section but requested a Phase III Total Data Recovery (Archeological Mitigation) study on the culvert, and the salvage of all bricks and cobblestones materials to be reused in the well restoration work. They also required the restoration of other historical elements of the area, such as the culvert outlet headwall and waterway, the retaining wall, and the delineation of the culvert headwall on the west sidewalk (inlet side).

D. Recommendations –

New and existing storm drain systems:

The Market Street area receives a large volume of storm runoff from the south (Company St.) that should be collected before reaching the project site. Many upstream collection points of the aging system are not working properly. The same situation is true for the downstream drainage system. During the project we were able to clean a large portion of the existing gutter drain that extended within the project limits, but visual inspection revealed that the old system outside project limits was in poor condition. The VI-DPW should consider in future projects the reconditioning of the storm drain system in the town of Christiansted.

E. Claims –

There were no claims on this contract.

IV. CONSTRUCTION ENGINEERING

A. Project Personnel –

Daniel Camacho	Project Engineer, FHWA-EFLHD
Jerry A. Runyon	Asst. Project Engineer, FHWA-EFLHD

B. Contract Inspection –

Neil Simon	KCI (not full duration of project)
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C. Other Contacts –

Aloy W. Nielsen	Deputy Director of Highway Engineering, VI-DPW
William H. Taylor	Architect, St. Croix Foundation

D. Partnering –

Although no Partnering Charter (formal or informal) was signed for this project, the good working relationship maintained between all stakeholders resulted in no claims on this contract.

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
SE	VI	Q NH-E(B)	1	73

INDEX TO SHEETS

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DESCRIPTION OF PROJECT	PROJECT LENGTH	300 FEET
1.00	1.00	1.00
2.00	2.00	2.00
3.00	3.00	3.00
4.00	4.00	4.00
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95.00	95.00	95.00
96.00	96.00	96.00
97.00	97.00	97.00
98.00	98.00	98.00
99.00	99.00	99.00
100.00	100.00	100.00

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

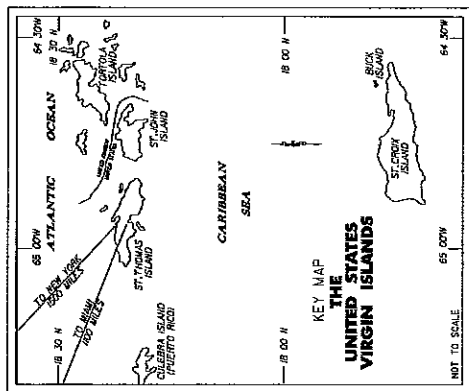
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PLANS PREPARED BY

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

STERLING, VIRGINIA
SEPTEMBER 2003

WILLIAM ANGLIN TAYLOR
CONSULTANT ARCHITECT
CHRISTIANSTED, SAINT CROIX, USVI



CARIBBEAN SEA

LUCK ISLAND

PROJECT Q NH-E(8) -

CARIBBEAN SEA

ST. CROIX ISLAND

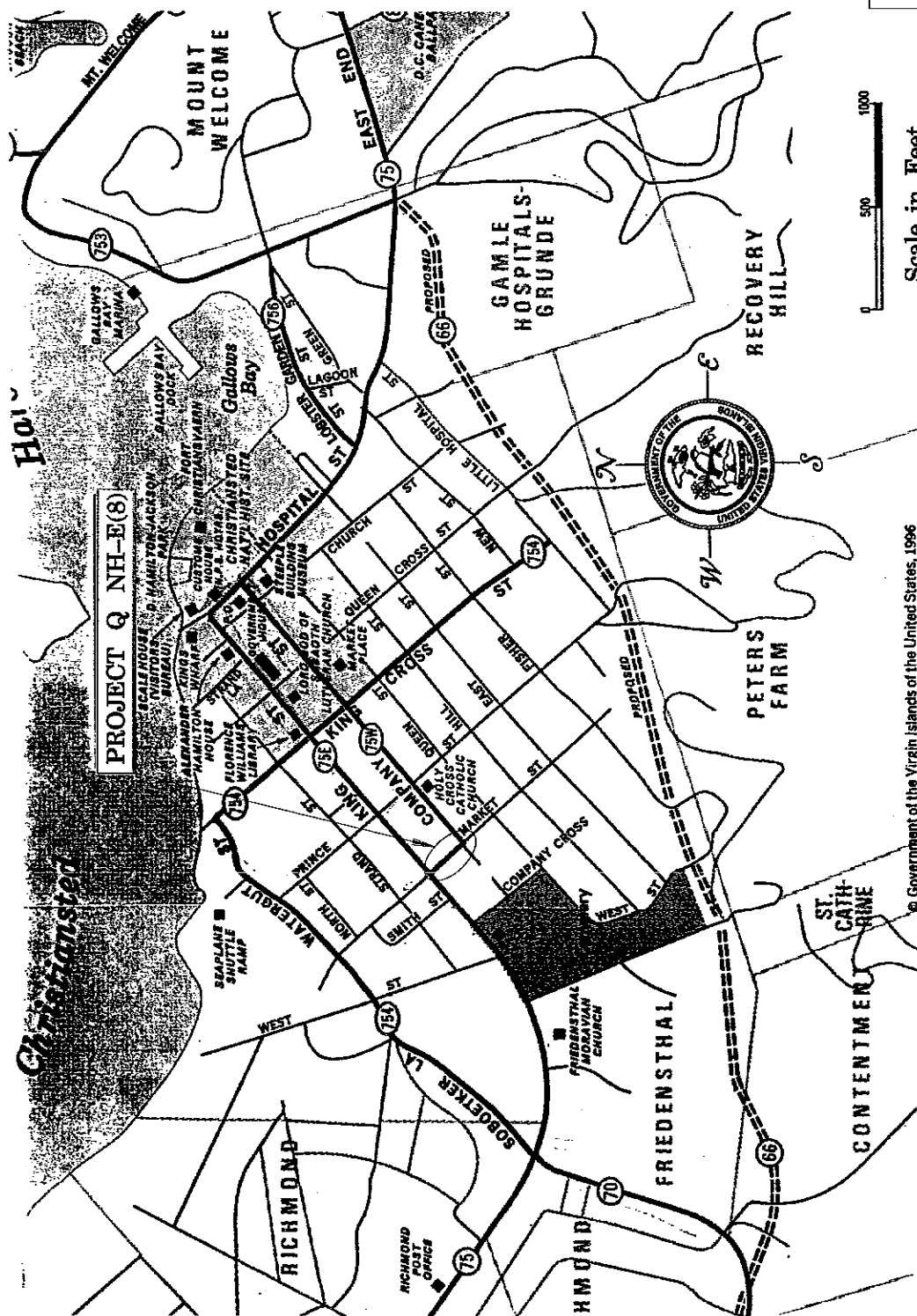
NOT TO SCALE

CONVENTIONAL SIGNS

PROJECTED CENTERLINE
STATED CENTERLINE
EXISTING ROADWAY
DRAINAGE
RIVERS
CREEKS AND INTERMITTENT DRAINAGE
MARSH OR SWAMP
TREELINE
TREES
SOIL BORINGS
TELEPHONE JUNCTION BOX
TELEPHONE LINE
UNDERGROUND ON POLES
ELECTRIC LINE
UNDERGROUND ON POLES
PIPE LINE
WATER - W, SEWAGE - S, SANITARY SEWER - SS, STORM DRAIN - SD
PIPE CULVERT WITH INLET
SINGLE OR MULTIPLE PIPE CULVERT
WITH HEADWALL AND WINGWALL
SINGLE OR MULTIPLE PIPE CULVERT
WITH END SECTION
PIPE CULVERT IN PROFILE
SINGLE OR MULTIPLE BOX CULVERT

PROJECT MANAGER	LEAD DESIGNER
D. WEBER	J. SLATER

REG	STATE	PROJECT	SHEET NO.
SE	VI	Q NH-E(8)	2



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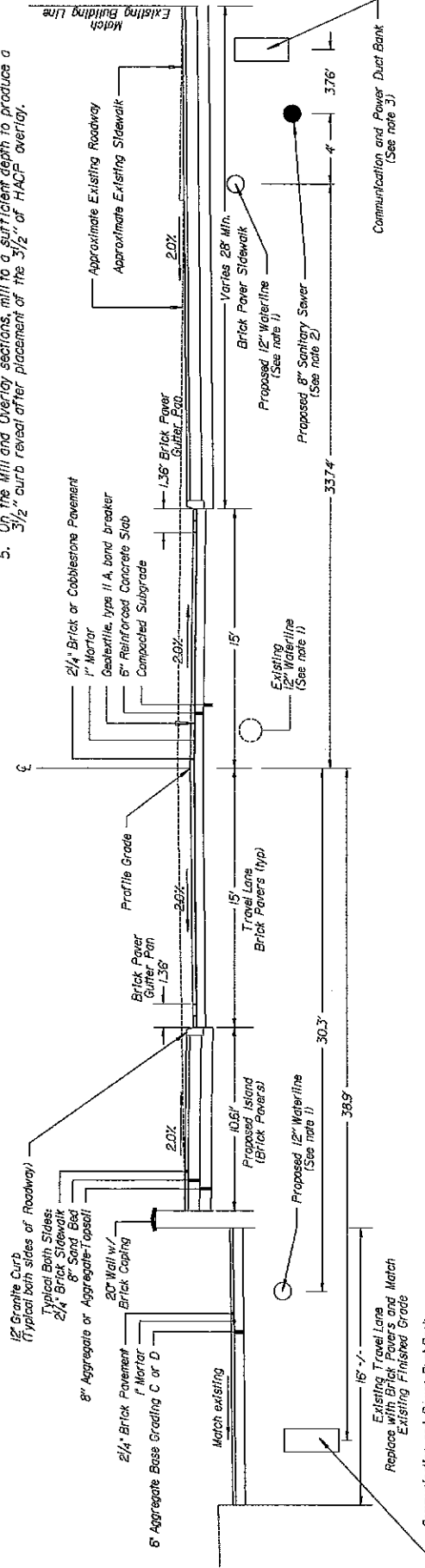
U.S. DEPARTMENT OF TRANSPORTATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
ST. CROIX, U.S.V.I.

LOCATION MAP

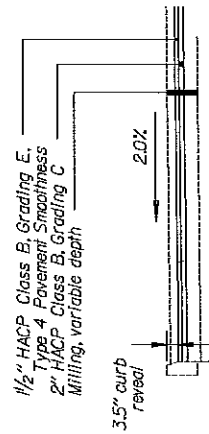
REG.	STATE	PROJECT	SHEET NO.
SE	VI	O NH-E381	4

Notes :

- Existing 12" PVC waterline is approximately 3 feet below existing ground. Waterline dips below existing historic culvert, with 18 inch vertical clearance (assumed). See Market Street Plan and Profile for location of historic culvert.
- Place 8 inch sanitary sewer 6 feet minimum below proposed finished grade.
- See Power Duct Bank Plans and Communications Duct Bank Plans and Detail 636-C for duct bank placement and dimensions.
- Proposed roadway varies from 0.39 feet to 1.5 feet below existing at centerline.
- On the Mill and Overlay sections, mill to a sufficient depth to produce a 3 1/2" curb reveal after placement of the 3 1/2" of HACP overlay.



MARKET STREET



Mill and Overlay (all streets)

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY DIVISION
STERLING, VIRGINIA
ST. CHOIX, U.S.V.I.

TYPICAL SECTIONS

Not to scale

16

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TABULATION OF BIDS

Schedule: A
Project No.: VI-Q-NH-E(8)
Project Name: SUNDAY MARKET STREET

State: VI
County: USVI
ST CROIX, USVI

8(a) Contract
Opened at: St. Croix, VI
By: P. Schaad
Date: 11/20/03

I certify that this Bid Tabulation accurately reflects the proposal as negotiated.

Signed: Peggy L. Schaad

Title: Contracting Specialist

Date: _____

Contract Awarded to: Tip Top Construction Corp.

Date: _____

Contractor	Bid Amount	Responsive
Tip Top Construction Corporation 5064 Mt. Welcome Christiansted, VI 00820	1,466,122.15	
Engineer's Estimate	1,276,000.00	

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TABULATION OF BIDS

Date: 11/24/03

Schedule: A

Project No.: VI-Q-NH-E(8)

Project Name: SUNDAY MARKET STREET

BID TOTAL CHECK PASS

Bidder	Bidder's Bid Amount	Computed Bid Amount	Error
Tip Top Construction Corporation	1,466,122.15	1,466,122.15	

The apparent low bidder is 15 % above the engineer's estimate.

TABULATION OF BIDS

Date: 11/24/03

Schedule: A
Project No.: VI-Q-NH-E(8)
Project Name: SUNDAY MARKET STREET

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
15101	LPSM	MOBILIZATION			
		Tip Top Construction Corporation	ALL	133,283.00	133,283.00
		ENGINEER'S ESTIMATE		101,709.00	101,709.00
15201	LPSM	CONSTRUCTION SURVEY AND STAKING			
		Tip Top Construction Corporation	ALL	20,000.00	20,000.00
		ENGINEER'S ESTIMATE		55,000.00	55,000.00
15401	LPSM	CONTRACTOR TESTING			
		Tip Top Construction Corporation	ALL	18,500.00	18,500.00
		ENGINEER'S ESTIMATE		22,000.00	22,000.00
15709	EACH	CHECK DAMS			
		Tip Top Construction Corporation	2	4,350.00	8,700.00
		ENGINEER'S ESTIMATE		300.00	600.00
15716	EACH	INLET PROTECTION			
		Tip Top Construction Corporation	2	2,100.00	4,200.00
		ENGINEER'S ESTIMATE		400.00	800.00
20301AL	EACH	REMOVAL OF FIRE HYDRANT			
		Tip Top Construction Corporation	1	1,500.00	1,500.00
		ENGINEER'S ESTIMATE		500.00	500.00
20301AS	EACH	REMOVAL OF BOLLARD			
		Tip Top Construction Corporation	2	1,450.00	2,900.00
		ENGINEER'S ESTIMATE		50.00	100.00
20301B	EACH	REMOVAL OF SIGNS			
		Tip Top Construction Corporation	8	100.00	800.00
		ENGINEER'S ESTIMATE		100.00	800.00
20301F	EACH	REMOVAL OF INLETS			
		Tip Top Construction Corporation	2	1,650.00	3,300.00
		ENGINEER'S ESTIMATE		1,000.00	2,000.00
20302AD	LNFT	REMOVAL OF WATERLINE			
		Tip Top Construction Corporation	650	5.00	3,250.00
		ENGINEER'S ESTIMATE		25.00	16,250.00

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TABULATION OF BIDS

Date: 11/24/03

Schedule: A

Project No.: VI-Q-NH-E(8)

Project Name: SUNDAY MARKET STREET

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
20302AE	LNFT	REMOVAL OF SEWERLINE			
		Tip Top Construction Corporation	500	5.00	2,500.00
		ENGINEER'S ESTIMATE		35.00	17,500.00
20302H	LNFT	REMOVAL OF PIPE CULVERTS			
		Tip Top Construction Corporation	150	20.00	3,000.00
		ENGINEER'S ESTIMATE		25.00	3,750.00
20302SB	LNFT	REMOVAL OF PORTLAND CEMENT CONCRETE CURB AND GUTTER			
		Tip Top Construction Corporation	300	15.00	4,500.00
		ENGINEER'S ESTIMATE		12.25	3,675.00
20303PA	SQYD	REMOVAL OF ASPHALT PAVEMENT			
		Tip Top Construction Corporation	2,300	8.50	19,550.00
		ENGINEER'S ESTIMATE		20.00	46,000.00
20303QB	SQYD	REMOVAL OF PORTLAND CEMENT CONCRETE SIDEWALK			
		Tip Top Construction Corporation	500	20.00	10,000.00
		ENGINEER'S ESTIMATE		25.00	12,500.00
20401	CUYD	ROADWAY EXCAVATION			
		Tip Top Construction Corporation	1,000	37.50	37,500.00
		ENGINEER'S ESTIMATE		35.00	35,000.00
20701BA	SQYD	EARTHWORK GEOTEXTILE, TYPE II-A			
		Tip Top Construction Corporation	650	26.75	17,387.50
		ENGINEER'S ESTIMATE		4.00	2,600.00
20701BC	SQYD	EARTHWORK GEOTEXTILE, TYPE II-C			
		Tip Top Construction Corporation	560	23.50	13,160.00
		ENGINEER'S ESTIMATE		1.70	952.00
25803	CUYD	REINFORCED CONCRETE RETAINING WALL			
		Tip Top Construction Corporation	25	1,233.00	30,825.00
		ENGINEER'S ESTIMATE		500.00	12,500.00
30102ZN	SQYD	AGGREGATE BASE, GRADING C OR D, 6-INCH DEPTH			
		Tip Top Construction Corporation	1,050	12.00	12,600.00
		ENGINEER'S ESTIMATE		22.00	23,100.00

TABULATION OF BIDS

Date: 11/24/03

Schedule: A
Project No.: VI-Q-NH-E(8)
Project Name: SUNDAY MARKET STREET

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
40101BC	TON	HOT ASPHALT CONCRETE PAVEMENT, CLASS B, GRADING C			
		Tip Top Construction Corporation	210	200.00	42,000.00
		ENGINEER'S ESTIMATE		120.00	25,200.00
40101BED	TON	HOT ASPHALT CONCRETE PAVEMENT, CLASS B, GRADING E, TYPE 4 PAVEMENT SMOOTHNESS			
		Tip Top Construction Corporation	160	235.00	37,600.00
		ENGINEER'S ESTIMATE		120.00	19,200.00
41301	SQYD	ASPHALT PAVEMENT MILLING (variable depth)			
		Tip Top Construction Corporation	1,700	35.00	59,500.00
		ENGINEER'S ESTIMATE		5.00	8,500.00
50101N	SQYD	REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 6-INCH DEPTH			
		Tip Top Construction Corporation	630	83.33	52,497.90
		ENGINEER'S ESTIMATE		100.00	63,000.00
60103	LPSM	CONCRETE (Wellhead)			
		Tip Top Construction Corporation	ALL	3,500.00	3,500.00
		ENGINEER'S ESTIMATE		5,000.00	5,000.00
60201H	LNFT	12-INCH PIPE CULVERT			
		Tip Top Construction Corporation	170	72.50	12,325.00
		ENGINEER'S ESTIMATE		125.00	21,250.00
60403EB	EACH	INLET, TYPE 5B			
		Tip Top Construction Corporation	6	2,780.00	16,680.00
		ENGINEER'S ESTIMATE		2,000.00	12,000.00
60405	EACH	MANHOLE ADJUSTMENT			
		Tip Top Construction Corporation	5	1,000.00	5,000.00
		ENGINEER'S ESTIMATE		700.00	3,500.00
60407	EACH	CAPPING INLETS AND MANHOLES			
		Tip Top Construction Corporation	1	2,500.00	2,500.00
		ENGINEER'S ESTIMATE		500.00	500.00

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TABULATION OF BIDS

Date: 11/24/03

Schedule: A

Project No.: VI-Q-NH-E(8)

Project Name: SUNDAY MARKET STREET

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
60509	CUYD	SAND			
		Tip Top Construction Corporation	85	65.00	5,525.00
		ENGINEER'S ESTIMATE		35.00	2,975.00
60704	EACH	RECONDITIONING DRAINAGE STRUCTURES			
		Tip Top Construction Corporation	1	3,850.00	3,850.00
		ENGINEER'S ESTIMATE		5,000.00	5,000.00
60903AU	LNFT	STONE CURB, TYPE 1, 12-INCH DEPTH			
		Tip Top Construction Corporation	215	98.65	21,209.75
		ENGINEER'S ESTIMATE		125.00	26,875.00
60903AY	LNFT	STONE CURB, TYPE 1, 18-INCH DEPTH			
		Tip Top Construction Corporation	365	136.60	49,859.00
		ENGINEER'S ESTIMATE		130.00	47,450.00
61101	LPSM	WATER SYSTEM			
		Tip Top Construction Corporation	ALL	63,750.00	63,750.00
		ENGINEER'S ESTIMATE		50,000.00	50,000.00
61106	EACH	FIRE HYDRANT			
		Tip Top Construction Corporation	2	4,500.00	9,000.00
		ENGINEER'S ESTIMATE		3,000.00	6,000.00
61201	LPSM	SEWER SYSTEM			
		Tip Top Construction Corporation	ALL	56,750.00	56,750.00
		ENGINEER'S ESTIMATE		65,000.00	65,000.00
61501D	SQYD	BRICK SIDEWALK			
		Tip Top Construction Corporation	560	157.50	88,200.00
		ENGINEER'S ESTIMATE		90.00	50,400.00
61505C	SQYD	STONE WHEELCHAIR RAMP			
		Tip Top Construction Corporation	19	225.00	4,275.00
		ENGINEER'S ESTIMATE		400.00	7,600.00
61508D	SQYD	PAVING, BRICK			
		Tip Top Construction Corporation	1,060	145.00	153,700.00
		ENGINEER'S ESTIMATE		90.00	95,400.00

TABULATION OF BIDS

Date: 11/24/03

Schedule: A

Project No.: VI-Q-NH-E(8)

Project Name: SUNDAY MARKET STREET

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
61508G	SQYD	PAVING, COBBLESTONE			
	Tip Top Construction Corporation		150	200.00	30,000.00
	ENGINEER'S ESTIMATE			130.00	19,500.00
61905	EACH	BOLLARD POST			
	Tip Top Construction Corporation		28	1,500.00	42,000.00
	ENGINEER'S ESTIMATE			600.00	16,800.00
62606	LPSM	LANDSCAPING			
	Tip Top Construction Corporation		ALL	53,600.00	53,600.00
	ENGINEER'S ESTIMATE			40,000.00	40,000.00
63304CC	SQFT	SIGNS, ALUMINUM PANELS, TYPE 3 SHEETING			
	Tip Top Construction Corporation		90	92.50	8,325.00
	ENGINEER'S ESTIMATE			50.00	4,500.00
63501	LPSM	TEMPORARY TRAFFIC CONTROL			
	Tip Top Construction Corporation		ALL	42,000.00	42,000.00
	ENGINEER'S ESTIMATE			25,000.00	25,000.00
63602	LPSM	LIGHTING INSTALLATION			
	Tip Top Construction Corporation		ALL	62,560.00	62,560.00
	ENGINEER'S ESTIMATE			60,000.00	60,000.00
63605G	LPSM	RELOCATE ELECTRICAL LINE			
	Tip Top Construction Corporation		ALL	43,500.00	43,500.00
	ENGINEER'S ESTIMATE			155,164.00	155,164.00
63606	LNFT	CONDUIT (5-inch)			
	Tip Top Construction Corporation		750	42.00	31,500.00
	ENGINEER'S ESTIMATE			25.00	18,750.00
63606LA	LNFT	CONDUIT, 4-INCH, PVC			
	Tip Top Construction Corporation		2,500	22.00	55,000.00
	ENGINEER'S ESTIMATE			12.00	30,000.00
63632	EACH	MANHOLE, TELEPHONE			
	Tip Top Construction Corporation		1	11,000.00	11,000.00
	ENGINEER'S ESTIMATE			4,000.00	4,000.00

TABULATION OF BIDS

Date: 11/24/03

Schedule: A

Project No.: VI-Q-NH-E(8)

Project Name: SUNDAY MARKET STREET

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
63701	EACH	FIELD OFFICE			
		Tip Top Construction Corporation	1	23,460.00	23,460.00
		ENGINEER'S ESTIMATE		20,000.00	20,000.00
63705	CTSM	LONG DISTANCE CALLING			
		Tip Top Construction Corporation	1	3,000.00	3,000.00
		ENGINEER'S ESTIMATE		100.00	100.00
63801	EACH	LOCATE UTILITIES			
		Tip Top Construction Corporation	10	2,500.00	25,000.00
		ENGINEER'S ESTIMATE		1,000.00	10,000.00

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TABULATION OF BIDS

Date: 11/24/03

Schedule: A
Project No.: VI-Q-NH-E(8)
Project Name: SUNDAY MARKET STREET

BID ITEM CHECK PASS

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

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 Ridgetop Circle Sterling, VA 20166-6511			DATE VOUCHER PREPARED		SCHEDULE NO.
			CONTRACT NUMBER AND DATE DTFH71-04-C-00013 12/18/03		PAID BY
			REQUISITION NUMBER AND DATE		
PAYEE'S NAME AND ADDRESS Tip Top Corporation 5064 Mt. Welcome St. Christiansted, VI 00820			DATE INVOICE RECEIVED		
			DISCOUNT TERMS		
			PAYEE'S ACCOUNT NUMBER		
			GOVERNMENT B/L NUMBER		
SHIPPED FROM TO WEIGHT					
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)	QUAN- TITY	UNIT PRICE	AMOUNT
		Final Estimate No. 16 - FINAL PAYMENT. This is final settlement of construction for Sunday Market Square Project VI Q-NH-E(8). Final settlement is specifically conditioned upon the execution of the Contractor's Release attached hereto and incorporated herein. By: <i>[Signature]</i> PERCY J. HOLLINS, JR. Title: <i>President</i> Date: <i>5/15/06</i>		RECEIVED <i>May 24 2006</i> FINANCE DEPT.	(1)
(Use continuation sheet(s) if necessary) (Payee must NOT use the space below) TOTAL					\$0.00
PAYMENT:		APPROVED FOR	EXCHANGE RATE	DIFFERENCES	
☐ PROVISIONAL ☐ COMPLETE ☐ PARTIAL ☒ FINAL ☐ PROGRESS ☐ ADVANCE		= \$ 0.00	= \$1.00		
		BY ² <i>Donald W. Miller</i> <i>6/15/06</i> Donald W. Miller	Amount verified; correct for payment		
		TITLE Director, Project Delivery	(Signature or initials)		
Pursuant to authority vested in me, I certify that this voucher is correct and proper for payment. <i>5/30/06</i> <i>[Signature]</i> Administration Program Coordinator (Date) (Authorized Certifying Officer) (Title)					
ACCOUNTING CLASSIFICATION					
Proj 151578000E008; Org 1578000000; Task 540.00.6320.78					
P A I D B Y \$	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.

DEPARTMENT OF TRANSPORTATION CONTRACTOR'S RELEASE		CONTRACT NO. DTFH71-04-C-00013
CONTRACTOR (Name and address) Tip Top Corporation 5064 Mt. Welcome St. Christiansted, VI, 00820	SUM OF Zero Dollars and Zero Cents	
	DOLLARS (\$) 0.00	

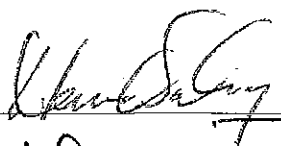
In consideration of the sum stated above, which has been paid or is to be paid to the Contractor, or his assignees, the Contractor, upon payment of the said sum by the UNITED STATES OF AMERICA (hereinafter called the Government), does remise, release, and discharge the Government, its officers, agents, 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 8th day of MAY 2006

WITNESSES




TIP TOP CONSTRUCTION CORP.
BY  PERCY J HOLLINS, JR.
TITLE PRESIDENT

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

CERTIFICATE

I, DEBORAH BELLIVEAU, certify that I am the APPOINTED secretary of the corporation named as Contractor in the foregoing release; that PERCY J HOLLINS, JR. 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)



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

batch #
ctrl # 05669

**VI Q-NH-E(8) - VIRGIN ISLANDS - ST. CROIX -
SUNDAY MARKET SQUARE**

Roadway reconstruction, mill and overlay, utility relocations, street lighting, and aesthetic pavement and sidewalks.

TO: TIP TOP CORPORATION
3064 MT. WELCOME
ST. CHRISTIANSTED, VI 00820

CONSTRUCTION SUMMARY

For work performed up to and including June 30, 2005

ESTIMATE # 16, final
PERIOD FROM 06/01/05 TO 06/30/05

CONTRACT NUMBER DTFH71-04-C-00013
AWARD DATE December 18, 2003

TOTAL AMOUNT EARNED TO DATE \$2,108,327.21

*ADJUSTMENTS per contractor invoice \$0.00

TOTAL PAYMENTS APPROVED TO DATE \$2,108,327.21

TOTAL PAYMENTS PREVIOUSLY PAID \$2,108,327.21

AMOUNT TO BE PAID THIS ESTIMATE \$0.00

STATE Virgin Islands
COUNTIES St. Croix
FOREST OR PARK

LENGTH 0.16 miles

submitted by Daniel Camacho-Maldonado, Project Engineer

*DTFH71-04-C-00013
ESTIMATE # 16, final

TIN # 66-0462186

copy to: Robert C. Gentile
P.O. Box 424
Fairhope, AL 36533

*ADJUSTMENTS
amount held from subcontractor - est. 11 \$890.00
Meade Electric (accum. through est 11)
Meade Electric (accum. through est 12) \$0.00
EST 15 releases 5% retent for final quantity and record checks and repair work that has been completed.

ACCOUNT NUMBER

Proj 151578000E008; Orig 1578000000; Task 540.00.6320.78

EXPEND LIQUIDATE

\$0.00 \$0.00

TOTAL

\$0.00 \$0.00

[Signature] 5/26/06
Douglas E. Nair, Acting Construction Engineer
for the
[Signature] date: 5/30/06
Lynnda L. Moore, Administration Program Coordinator
Certify funds available

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Y6

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY ADMINISTRATION

VI Q-NH-E(8) - VIRGIN ISLANDS - ST. CROIX - SUNDAY MARKET SQUARE - ESTIMATE # 16, final

ITEM NO.	DESCR.	CONTRACTED				ESTIMATED			PROBABLES		OVERTURN			
		QUANTITY	CM	AMENDED	UNIT	PRICE	AMOUNT	CURRENT	PREVIOUS	TO DATE		AMOUNT	QUANTITY	AMOUNT
15101	MOBILIZATION	100,000		100,000	LFSM	\$133.283.00	\$133,283.00	0.000	100,000	100,000	\$133,283.00	100,000	\$133,283.00	0
15201	CONSTRUCTION SURVEY AND STAKING	100,000		100,000	LFSM	\$20,000.00	\$20,000.00	0.000	100,000	100,000	\$20,000.00	100,000	\$20,000.00	0
15401	CONTRACTOR TESTING	100,000		100,000	LFSM	\$18,500.00	\$18,500.00	0.000	100,000	100,000	\$18,500.00	100,000	\$18,500.00	0
15709	CHECK DAMS	2,000		2,000	EACH	\$4,350.00	\$8,700.00	0.000	2,000	2,000	\$8,700.00	2,000	\$8,700.00	0
15716	INLET PROTECTION	2,000		2,000	EACH	\$2,100.00	\$4,200.00	0.000	2,000	2,000	\$4,200.00	2,000	\$4,200.00	0
20301AL	REMOVAL OF FIRE HYDRANT	1,000		1,000	EACH	\$1,500.00	\$1,500.00	0.000	1,000	1,000	\$1,500.00	1,000	\$1,500.00	0
20301AS	REMOVAL OF BOLLARD	2,000		2,000	EACH	\$1,450.00	\$2,900.00	0.000	2,000	2,000	\$2,900.00	2,000	\$2,900.00	0
20301B	REMOVAL OF SIGNS; quantity decrease 5 per CM #0003, 07/11/05	8,000	-5	3,000	EACH	\$100.00	\$300.00	0.000	3,000	3,000	\$300.00	3,000	\$300.00	0
20301F	REMOVAL OF INLETS; quantity increase 3 per CM #0001, 09/30/04	2,000	3	5,000	EACH	\$1,650.00	\$8,250.00	0.000	5,000	5,000	\$8,250.00	5,000	\$8,250.00	0
20302AD	REMOVAL OF WATERLINE; quantity per CM #0002, 12/13/04	650,000	-265	381,000	LNFT	\$5.00	\$1,905.00	0.000	381,000	381,000	\$1,905.00	381,000	\$1,905.00	0
20302AE	REMOVAL OF SEWERLINE; quantity per CM #0002, 12/13/04	500,000	-406.5	93,500	LNFT	\$5.00	\$467.50	0.000	93,500	93,500	\$467.50	93,500	\$467.50	0
20302H	REMOVAL OF PIPE CULVERTS; quantity per CM #0002, 12/13/04	150,000	40	190,000	LNFT	\$20.00	\$3,800.00	0.000	190,000	190,000	\$3,800.00	190,000	\$3,800.00	0
20302SB	REMOVAL OF PORTLAND CEMENT CONCRETE CURB AND GUTTER; quantity per CM #0002, 12/13/04	300,000	28	328,000	LNFT	\$15.00	\$4,920.00	0.000	328,000	328,000	\$4,920.00	328,000	\$4,920.00	0
20303PA	REMOVAL OF ASPHALT PAVEMENT; quantity decrease 95.49 per CM #0003, 07/11/05	2,200,000	-95.49	2,204,510	SOYD	\$8.50	\$18,738.34	0.000	2,204,510	2,204,510	\$18,738.34	2,204,510	\$18,738.34	0
20303QB	REMOVAL OF PORTLAND CEMENT CONCRETE SIDEWALK; quantity per CM #0004, 08/03/05	500,000	-60.72	439,280	SOYD	\$20.00	\$8,785.60	0.000	439,280	439,280	\$8,785.60	439,280	\$8,785.60	0
20401	ROADWAY EXCAVATION; quantity increase 1500 per CM #0002, 12/13/04; quantity decrease 1141.43 per CM #0003, 07/11/05	1,000,000	358.57	1,358,570	CUYD	\$37.50	\$50,946.38	0.000	1,358,570	1,358,570	\$50,946.38	1,358,570	\$50,946.38	0

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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
EASTERN FEDERAL LANDS HIGHWAY ADMINISTRATION

VI Q-NH-E(8) - VIRGIN ISLANDS - ST. CROIX - SUNDAY MARKET SQUARE - ESTIMATE # 16, final

ITEM NO.	DESCR.	QUANTITY	CM	CONTRACTED AMENDED	UNIT	UNIT PRICE	AMOUNT	CURRENT	PREVIOUS	ESTIMATED TO DATE	PROBABLES QUANTITY	AMOUNT	OVERRUN QUANTITY
20701BA	EARTHWORK GEOTEXTILE, TYPE II-A; quantity decrease 140 per CM #0002, 12/13/04; quantity decrease 480.34 per CM #0003, 07/11/05	650.000	-520.34	29.660	SOYD	\$26.75	\$793.41	0.000	29.660	29.660	29.660	\$793.41	-8.17E-14
20701BC	EARTHWORK GEOTEXTILE, TYPE II-C; quantity increase 740 per CM #0002, 12/13/04; quantity decrease 206.733 per CM #0003, 07/11/05	560.000	533.267	1,093.267	SOYD	\$23.50	\$25,691.77	0.000	1,093.267	1,093.267	1,093.267	\$25,691.77	0
25803	REINFORCED CONCRETE RETAINING WALL; quantity increase 35 per CM #0001, 09/30/04; quantity decrease .28 per CM #0003, 07/11/05	25.000	34.72	59.720	CUTD	\$1,233.00	\$73,634.76	0.000	59.720	59.720	59.720	\$73,634.76	0
30102ZN	AGGREGATE BASE, GRADING C OR D, 6-INCH DEPTH; quantity increase 1700 per CM #0002, 12/13/04; quantity decrease 1131.86 per CM #0003, 07/11/05; quantity increase 126.32 CM #0004, 08/03/05	1,050.000	694.66	1,744.660	SOYD	\$12.00	\$20,935.92	0.000	1,744.660	1,744.660	1,744.660	\$20,935.92	0
40101BC	HOT ASPHALT CONCRETE PAVEMENT, CLASS B, GRADING C; quantity increase 30 per CM #0002, 12/13/04; quantity increase 31.94 per CM #0003, 07/11/05	210.000	61.94	271.940	TON	\$200.00	\$54,388.00	0.000	271.940	271.940	271.940	\$54,388.00	0
40101BD	HOT ASPHALT CONCRETE PAVEMENT, CLASS B, GRADING E, TYPE 4 PAVEMENT SMOOTHNESS; quantity increase 80 per CM #0002, 12/13/04; quantity increase 32.83 per CM #0003, 07/11/05	160.000	112.83	272.830	TON	\$235.00	\$64,115.05	0.000	272.830	272.830	272.830	\$64,115.05	0
41301	ASPHALT PAVEMENT MILLING (variable depth)	1,700.000		1,700.000	SOYD	\$35.00	\$59,500.00	0.000	1,700.000	1,700.000	1,700.000	\$59,500.00	0

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FEDERAL HIGHWAY ADMINISTRATION
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VI Q-NH-E(8) - VIRGIN ISLANDS - ST. CROIX - SUNDAY MARKET SQUARE - ESTIMATE # 16, final

ITEM NO.	DESCR.	CONTRACTED				ESTIMATED			PROBABLES		OVERRUN QUANTITY			
		QUANTITY	CM	AMENDED	UNIT	UNIT PRICE	AMOUNT	CURRENT	PREVIOUS	TODATE		AMOUNT	QUANTITY	AMOUNT
5010IN	REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 6-INCH DEPTH; quantity decrease 130 per CM #0001, 09/30/04; quantity decrease 38.65 per CM #0003, 07/11/05	630,000	-168.66	461,340	SOYD	\$83.33	\$38,443.46	0.000	461,340	461,340	\$38,443.46	461,340	\$38,443.46	-5.68E-14
50103	CONCRETE (Wellhead); quantity per CM #0002, 12/13/04	100,000	-100	0.000	LPSM	\$3,500.00	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
60200H	12-INCH PIPE CULVERT; quantity per CM #0004, 08/03/05	170,000	-170	0.000	LNFT	\$72.50	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
60403EB	INLET, TYPE 5B; quantity per CM #0004, 08/03/05	6,000	-6	0.000	EACH	\$2,780.00	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
60405	MANHOLE ADJUSTMENT; quantity per CM #0003, 07/11/05	5,000	-1	4,000	EACH	\$1,000.00	\$4,000.00	0.000	4,000	4,000	\$4,000.00	4,000	\$4,000.00	0
60407	CAPPING INLETS AND MANHOLES; quantity per CM #0003, 07/11/05	1,000	-1	0.000	EACH	\$2,500.00	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
60509	SAND; quantity per CM #0002, 12/13/04	85,000	-85	0.000	CUYD	\$65.00	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
60704	RECONDITIONING DRAINAGE STRUCTURES; quantity per CM #0001, 09/30/04	1,000	-1	0.000	EACH	\$3,850.00	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
60903AU	STONE CURB, TYPE 1, 12-INCH DEPTH; quantity per CM #0002, 12/13/04	215,000	243.74	458,740	LNFT	\$98.65	\$45,254.70	0.000	458,740	458,740	\$45,254.70	458,740	\$45,254.70	0
60903AY	STONE CURB, TYPE 1, 18-INCH DEPTH; quantity per CM #0002, 12/13/04	365,000	-195.43	171,570	LNFT	\$136.60	\$23,436.46	0.000	171,570	171,570	\$23,436.46	171,570	\$23,436.46	0
61101	WATER SYSTEM; quantity per CM #0003, 07/11/05	100,000	-100	0.000	LPSM	\$63,750.00	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
61101	CM #0003, 07/11/05; WATER SYSTEM (revised)	100	100	100,000	LPSM	\$102,867.70	\$102,867.70	0.000	100,000	100,000	\$102,867.70	100,000	\$102,867.70	0
61106	FIRE HYDRANT	2,000		2,000	EACH	\$4,500.00	\$9,000.00	0.000	2,000	2,000	\$9,000.00	2,000	\$9,000.00	0
61201	SEWER SYSTEM; quantity per CM #0003, 07/11/05	100,000	-100	0.000	LPSM	\$56,750.00	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
61201	CM #0003, 07/11/05; SEWER SYSTEM (revised)	100	100	100,000	LPSM	\$96,102.01	\$96,102.01	0.000	100,000	100,000	\$96,102.01	100,000	\$96,102.01	0

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EASTERN FEDERAL LANDS HIGHWAY ADMINISTRATION

VI Q-NH-E(8) - VIRGIN ISLANDS - ST. CROIX - SUNDAY MARKET SQUARE - ESTIMATE # 16, final

ITEM NO.	DESCR.	CONTRACTED			ESTIMATED			PROBABLES		OVERRUN
		QUANTITY	CM	AMENDED UNIT PRICE	AMOUNT	CURRENT	PREVIOUS TO DATE	AMOUNT	QUANTITY	
61501D	BRICK SIDEWALK; quantity increase 640 per CM #0002, 12/13/04; quantity decrease 148.4 per CM #0003, 07/11/05	560.000	491.6	1,051.600 SQYD	\$157.50	\$165,627.00	0.000	1,051.600	\$165,627.00	0
61505C	STONE WHEELCHAIR RAMP; quantity per CM #0003, 07/11/05	19.000	-1.1	17.900 SQYD	\$225.00	\$4,027.50	0.000	17.900	\$4,027.50	0
61508D	PAVING, BRICK; quantity decrease 130 per CM #0002, 12/13/04; quantity decrease 134.67 per CM #0003, 07/11/05	1,060.000	-264.67	795.330 SQYD	\$145.00	\$115,322.85	0.000	795.330	\$115,322.85	0
61508G	PAVING, COBBLESTONE; quantity decrease 35 per CM #0002, 12/13/04; quantity decrease 1.66 per CM #0003, 07/11/05	150.000	-36.66	113.340 SQYD	\$200.00	\$22,668.00	0.000	113.340	\$22,668.00	0
61905	BOLLARD POST	28.000		28.000 EACH	\$1,500.00	\$42,000.00	0.000	28.000	\$42,000.00	0
62606	LANDSCAPING	100.000		100.000 LPSM	\$53,600.00	\$5,360,000	0.000	100.000	\$5,360,000	0
63304CC	SIGNS, ALUMINUM PANELS, TYPE 3 SHEETING; quantity decrease 34.5 per CM #0003, 07/11/05	90.000	-34.5	55.500 SQYD	\$92.50	\$5,133.75	0.000	55.500	\$5,133.75	0
63401	CM #0003, 07/11/05; PAVEMENT MARKINGS AND RAISED MARKERS		-100	100.000 LPSM	\$4,355.07	\$4,355.07	0.000	100.000	\$4,355.07	0
63501	TEMPORARY TRAFFIC CONTROL; quantity per CM #0001, 09/30/04	100.000	-100	0.000 LPSM	\$42,000.00	\$0.00	0.000	0.000	\$0.00	0
63501	CM #0001, 09/30/04; TEMPORARY TRAFFIC CONTROL (revised)		100	100.000 LPSM	\$55,486.50	\$5,548,650	0.000	100.000	\$5,548,650	0
63602	LIGHTING INSTALLATION	100.000		100.000 LPSM	\$62,560.00	\$6,256,000	0.000	100.000	\$6,256,000	0
63605G	RELOCATE ELECTRICAL LINE; quantity per CM #0001, 09/30/04	100.000	-100	0.000 LPSM	\$43,500.00	\$0.00	0.000	0.000	\$0.00	0
63605G	CM #0001, 09/30/04; RELOCATE ELECTRICAL LINE (revised)		100	100.000 LPSM	\$189,048.45	\$18,904,845	0.000	100.000	\$18,904,845	0
63606	CONDUIT (5-inch); quantity per CM #0002, 12/13/04	750.000	-35	715.000 LNFT	\$42.00	\$30,030.00	0.000	715.000	\$30,030.00	0
63606LA	CONDUIT, 4-INCH, PVC; quantity per CM #0002, 12/13/04	2,500.000	488	2,988.000 LNFT	\$22.00	\$65,736.00	0.000	2,988.000	\$65,736.00	0

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VI Q-NH-E(8) - VIRGIN ISLANDS - ST. CROIX - SUNDAY MARKET SQUARE - ESTIMATE # 16, final

ITEM NO.	DESCR	CONTRACTED				ESTIMATED				PROBABLES		OVER RUN QUANTITY		
		QUANTITY	CM	AMENDED	UNIT PRICE	AMOUNT	CURRENT	PREVIOUS	TO DATE	AMOUNT	QUANTITY		AMOUNT	
63632	MANHOLE, TELEPHONE	1.000		1.000	EACH	\$11,000.00	\$11,000.00	0.000	1.000	1.000	\$11,000.00	1.000	\$11,000.00	0
63701	FIELD OFFICE	1.000		1.000	EACH	\$23,460.00	\$23,460.00	0.000	1.000	1.000	\$23,460.00	1.000	\$23,460.00	0
63705	LONG DISTANCE CALLING, quantity per CM #0004, 08/03/05	1.000	-0.948	0.052	CTSM	\$3,000.00	\$156.00	0.000	0.052	0.052	\$156.00	0.052	\$156.00	-4.86E-17
63801	LOCATE UTILITIES; quantity increase 5 per CM #0001, 09/30/04; quantity decrease 1 per CM #0003, 07/11/05	10.000	4	14.000	EACH	\$2,500.00	\$35,000.00	0.000	14.000	14.000	\$35,000.00	14.000	\$35,000.00	0
66601	CM #0003, 07/11/05; CONTRACT MODIFICATION WORK (concrete curb and gutter)	100		100.000	LPSM	\$7,923.59	\$7,923.59	0.000	100.000	100.000	\$7,923.59	100.000	\$7,923.59	0
66601	CM #0003, 07/11/05; CONTRACT MODIFICATION WORK (communication risers)	100		100.000	LPSM	\$3,989.97	\$3,989.97	0.000	100.000	100.000	\$3,989.97	100.000	\$3,989.97	0
66601	CM #0003, 07/11/05; CONTRACT MODIFICATION WORK (concrete electrical riser and scour protection)	100		100.000	LPSM	\$2,492.80	\$2,492.80	0.000	100.000	100.000	\$2,492.80	100.000	\$2,492.80	0
66601	CM #0003, 07/11/05; CONTRACT MODIFICATION WORK (ADT security relocation of communication lines)	100		100.000	LPSM	\$4,042.50	\$4,042.50	0.000	100.000	100.000	\$4,042.50	100.000	\$4,042.50	0
66601	CM #0003, 07/11/05; CONTRACT MODIFICATION WORK (gutter clean up)	100		100.000	LPSM	\$5,138.36	\$5,138.36	0.000	100.000	100.000	\$5,138.36	100.000	\$5,138.36	0
66601	CM #0003, 07/11/05; CONTRACT MODIFICATION WORK (brick paver mortar bedding)	100		100.000	LPSM	\$7,729.21	\$7,729.21	0.000	100.000	100.000	\$7,729.21	100.000	\$7,729.21	0
66601	CM #0003, 07/11/05; CONTRACT MODIFICATION WORK (miscellaneous punch list)	100		100.000	LPSM	\$2,382.60	\$2,382.60	0.000	100.000	100.000	\$2,382.60	100.000	\$2,382.60	0
66601	CM #0004, 08/03/05; CONTRACT MODIFICATION WORK (storm drain system)	100		100.000	LPSM	\$160,438.70	\$160,438.70	0.000	100.000	100.000	\$160,438.70	100.000	\$160,438.70	0
66601	CM #0004, 08/03/05; CONTRACT MODIFICATION WORK (restoration work)	100		100.000	LPSM	\$38,884.80	\$38,884.80	0.000	100.000	100.000	\$38,884.80	100.000	\$38,884.80	0

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VI Q-NH-E(8) - VIRGIN ISLANDS - ST. CROIX - SUNDAY MARKET SQUARE - ESTIMATE # 16, final

ITEM NO.	DESCR.	CONTRACTED			ESTIMATED		PROBABLES		OVERRUN
		QUANTITY	CM	AMENDED UNIT PRICE	AMOUNT	CURRENT PREVIOUS	TO DATE	AMOUNT	QUANTITY
66601	CM #0004, 08/03/05; CONTRACT MODIFICATION WORK (miscellaneous concrete)	100		LPSM \$3,056.01	\$3,056.01	0.000	100.000	\$3,056.01	0
66601	CM #0004, 08/03/05; CONTRACT MODIFICATION WORK (tree pits)	100		LPSM \$33,704.90	\$33,704.90	0.000	100.000	\$33,704.90	0
66601	CM #0004, 08/03/05; CONTRACT MODIFICATION WORK (brick sidewalk joint sealer)	100		LPSM \$20,758.13	\$20,758.13	0.000	100.000	\$20,758.13	0
66601	CM #0004, 08/03/05; CONTRACT MODIFICATION WORK (cobblestone paving steel angle)	100		LPSM \$1,689.85	\$1,689.85	0.000	100.000	\$1,689.85	0
66601	CM #0004, 08/03/05; CONTRACT MODIFICATION WORK (sidewalk brick grouting)	100		LPSM \$3,458.18	\$3,458.18	0.000	100.000	\$3,458.18	0
66601	CM #0004, 08/03/05; CONTRACT MODIFICATION WORK (reinforced concrete water crossing)	100		LPSM \$13,582.25	\$13,582.25	0.000	100.000	\$13,582.25	0
66601	CM #0004, 08/03/05; CONTRACT MODIFICATION WORK (architectural weep holes for retaining wall)	100		LPSM \$8,485.18	\$8,485.18	0.000	100.000	\$8,485.18	0

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EASTERN FEDERAL LANDS HIGHWAY ADMINISTRATION

VI Q-NH-E(8) - VIRGIN ISLANDS - ST. CROIX - SUNDAY MARKET SQUARE - ESTIMATE # 16, final

DATE TIME BEGIN:	03/01/04	CONSTRUCTION	BID	TO DATE	PROBABLE
DATE CONTRACT COMPLETE:	02/28/05	CONTRACT	\$1,486,122.15	\$2,108,327.21	\$2,108,327.21
		DBE INCENTIVE	\$0.00	\$0.00	\$0.00
		QUALITY INCENTIVE	\$0.00	\$0.00	\$0.00
DAYS ALLOWED:	365	SMOOTHNESS INCENTIVE	\$0.00	\$0.00	\$0.00
EXTENSIONS GRANTED BY CM		TOTAL	\$1,486,122.15	\$2,108,327.21	\$2,108,327.21
		FUNDS AUTHORIZED			
TOTAL DAYS ALLOWED	365	Proj 151578000E008; Task 540.00.6320.78			
DAYS USED TO DATE	365	\$1,486,122.15	\$2,393,922.15	\$2,108,642.57	\$315.36 interest est. 08
TIME USED	100.00%	TOTAL	\$1,486,122.15	\$2,393,922.15	\$2,108,642.57
to date/allowed		BALANCE OR DEFICIT	\$0.00	\$285,594.94	\$315.36
WORK COMPLETE	100.00%				
to date/probable					
CONSTR FUNDS USED	88.07%				
to date/allotted					
CE FUNDS USED	263.50%				
to date/allotted					
CE BUDGET USED	98.25%	CONSTRUCTION ENGINEERING			
		TOTAL-ALL WORK CODES	\$137,961.00	\$363,523.97	\$370,000.00
					17.55%
TOTAL INCREASE DUE TO CMS	\$1,010,021.59	CE BREAKDOWN	FUNCTION C	FUNCTION I	FUNCTION M
TOTAL DECREASE DUE TO CMS	(\$367,816.53)	*TO DATE AUTHORIZED	\$30,000.00	\$1,000.00	\$106,961.00
net change	\$642,205.06	EXPENDED	\$297,145.25		\$66,378.72
TOTAL INCREASE DUE TO OVERRUNS	\$0.00	PROBABLE	\$300,621.28	\$3,000.00	\$66,378.72
TOTAL DECREASE DUE TO OVERRUNS	\$0.00				\$370,000.00
		EXPENDED PER DELPHI REPORTS AS OF 04/06 FY 06 & PP 07			
CM #0001, 09/30/04	\$204,957.05	*CE AUTH. PER DELPHI			
CM #0002, 12/13/04	\$185,750.91	DELPHI CE ACCOUNT NUMBERS	P 151578000E008; O 1578000000; T 520.C0.6320.78		
CM #0003, 07/11/05	(\$1,015.74)		P 151578000E008; O 1578000000; T 552.10.6320.78 for KCI only		
CM #0004, 08/03/05	\$252,512.84	ACCOUNT NUMBER FOR PYRL:	CE - C - 632		
contract amount @ award	\$1,486,122.15				
total contract amount including CMs	\$2,108,327.21				
net CMs	642205.0597				
			1082.3		

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

**Federal Lands Highway
Construction Project
Materials Certification**

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State Virgin Islands Contract No. DTEH71-04-C-00013 Project Name Virgin Islands - ST. Croix Sunday Market Square
VI Q - NH - E (8)

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.

Project Engineer [Signature] Date 8/18/05

Construction Operations Engineer _____ Date _____

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 8/18/05

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 9/18/08

VI - Q - NH - E (8) - MAT REG A



PICTURE 1: Before Construction – No. Market Street looking south



PICTURE 2: After Construction – No. Market Street looking south



PICTURE 3: Before Construction – Market St. looking north



PICTURE 4: After Construction – Market St. looking north



PICTURE 5: Before Construction – Market St., culvert outlet headwall (eastern)



PICTURE 6: After Construction – Market St., culvert outlet headwall (eastern)