



U.S. Department
of Transportation

Federal Highway
Administration

Eastern Federal Lands
Highway Division

Final Construction Report

Project No.: VI 0A30(035) CONTRACT 3
DTFH71-09-C-00027

Location: GOVERNMENT OF THE VIRGIN ISLANDS OF THE
UNITED STATES

Description: Widening and reconstruction of Long Bay Road (Route 30),
relocation of utilities and other work

Submitted by:

JOSE L DAVID

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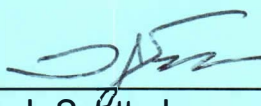
Recommended by:

Jameel Siddiqi

Construction Operations Engineer

Date

Approved by:


Thomas J. Scott, Jr.
Construction Engineer


Date

FINAL CONSTRUCTION REPORT

PROJECT VI A030(035) CONTRACT 3 GOVERNMENT OF THE VIRGIN ISLANDS OF THE UNITED STATES

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FINAL CONSTRUCTION REPORT

PROJECT CT VI- 0A30 (035), CONTRACT 3 ST. THOMAS, U.S. VIRGIN ISLANDS

I. PROJECT DESCRIPTION

A. Project Number - Project CT VI-0A30(035), Contract 3, was located on Long Bay Road (Route 30), St. Thomas, U.S. Virgin Islands.

B. Description of Work – Widen and reconstruct Long Bay Road (Route 30) with asphalt pavement, relocation of utilities, drainage, signal system, concrete curb and gutter sidewalk, street lights and other miscellaneous works.

C. Permits –

Building Permit - United States Virgin Island Department of Planning and Natural Resources (VIDPNR) issued an extension of Permit No. STT 512-04 with effective date of July 1, 2004, and an expiration date of November 30, 2007. The new expiration date is October 23, 2007.

CZM Permit -United States Virgin Island Department of Planning and Natural Resources (VIDPNR) issued a modification of CZM Land Permit No. CZT-12-03(L) with an application date of June 10, 2003.

II. PROJECT DATA

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

B. Termini –

Long Bay Road (Route 30)	Construction began at Station 17+00 at intersection with Veteran's Drive, DeBeltjen Road and Lover's Lane and continued east to Station 31+50
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C. Length –

Long Bay Road	0.28 miles
Total length	0.28 miles

D. Width –

Long Bay Road: Consisted of:

Two 11-foot lanes on each direction from Station 17+00 to Station 31+50: a total width of 55 feet

There are medians located between Station 20+00 and Station 21+85 with a width of 11 feet

Station 23+12 to Station 23+87.15: width of 11 feet

Station 26+38 to Station 29+40: variable width between 5 and 11 feet

Station 30+00 to Station 30+50: width of 5 feet, with turning lanes in all of the other areas.

E. Pavement Structure –

Long Bay Road received new pavement structures from Station 17+00 to Station 31+50. The pavement structures consisted of roll proofed sub-grade with 8 inches of aggregate base grading C, 6-inch base course of Marshal Hot Asphalt Concrete pavement, Class B, Grading A, and as a surface course, 2 inches of Marshall Hot asphalt concrete pavement class B Grading D.

F. Structures –

An extension of 91 feet of an 8 feet span, 3 feet rise precast reinforced concrete box culvert was constructed at Station 20+50.

G. Contract Number and Date – DTFH71-09-C00027 – September 22, 2009

H. Contracting Officers –

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

I. Contract Bid Amount – \$5,537,155.00

J. Engineer's Estimate – \$ 6,400,000.00

K. Final Contract Amount – \$ 6,116,137.67

L. Contract Time –

Award Date:	September 22, 2009
Notice to Proceed:	November 16, 2009
Original Completion date:	September 11, 2010
Authorized Extension Granted:	CM 0002 120 Days CM 0003 220 Days
Revised Completion Date:	August 17, 2011
Date Substantially Complete:	August, 15, 2011
Date All Work Complete:	February, 15, 2012
Liquidated Damages Accessed:	None

M. Contractor –

Island Road Corporation 6501 Red Hook Plaza, Suite 201 Charlotte Amalie, VI 00802-1306	Small Business Concern (SBC)
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N. Subcontractors –

A-9 Trucking P.O. Box 2356 St. Thomas, VI 00803 <i>Concrete removal</i>	\$247,337.00
Fleming Trucking 148-141 Estate Tutu St. Thomas, VI 00802	\$114,555.00
Huggins Trucking P.O. Box 11341 St. Thomas, VI 00801	\$121,813.00
Ri-Tech Construction 148-30 Estate Tutu P.O. Box 307056 St. Thomas, VI 00803 <i>Sidewalk, curb and gutter</i>	\$507,051.00
Precise Builders P.O. Box 6828 St. Thomas, VI 00804-1306 <i>Pavement markings</i>	\$205,581.00

O. Construction Engineering Costs –

EFLHD PE Costs:	\$ 174,168.33
PE/AE	\$ 23,548.67
EFLHD CE Costs:	\$ 871,331.71
CI Cost	<u>\$ 117,071.40</u>
Total Costs:	\$ 1,186,120.11

Percent of the Final Contract Amount – 19.4

P. Maintaining Agency -

Virgin Island Department of Public Works

III. CONSTRUCTION

A. Materials –

Item No. 30101-1000 Aggregate Base, Grading C

Supplier: Heavy Materials – St. Thomas Quarry
7865 Estate Mariendahl,
St. Thomas USVI, 00802

Material: Crushed Aggregate – St. Thomas Quarry, USVI

Approved Job Mix Design:

<u>Sieves</u>	<u>Target Value</u> <u>(Percent Passing)</u>	<u>Allowable</u> <u>Deviation</u> <u>(Percent)</u>	<u>Specification</u> <u>(Percent Passing)</u>
50.0 mm	100	-	100
25.4 mm	80-100	6	91-100
19.0 mm	64-94	6	88-100
9.5 mm	40-69	6	63-75
4.75 mm	31-54	6	37-49
75 µm	6.0-12.0 (Per MPD)	3.0	6.8-12.8

Maximum Dry Density:	141.2 pounds per cubic foot (pcf)
Optimum Moisture Content:	8.4 percent
Bulk Specific Gravity (Sp/Gr):	2.83
Sodium Sulfate Soundness:	0.7 percent
LA Abrasion:	22 percent wear
Fractured Faces:	100 percent
Liquid Limit:	ND
Plasticity Index:	Non-plastic
California Bearing Ratio:	33 percent

Item No. 40201-0800: Hot Asphalt Concrete Pavement, Class B,
Grading A.

Supplier: Island Road Corporation
6501 Red Hook Plaza, Suite 201
Charlotte Amalie, USVI 00802-1306

Aggregates: Heavy Materials – St. Thomas Quarry
7865 Estate Mariendahl
St. Thomas USVI 00802

Bulk Sp/Gr: 2.372
Apparent Sp/Gr: 2.619
Absorption: 0.43 percent
LA Abrasion: 13 percent
Sodium Sulfate Soundness: .4 percent

Asphalt Binder Grade and Source: PG 64-22
Valero Energy Corporation
Baltimore, MD

Antistripping Additive: Ar Maz
Winter Haven, FL
Product Name: Adhere LOF 65-00
Antistrip addition Rate (% of total Binder): 0.50 percent

Job Mix Design Properties:

<u>Sieves</u>	<u>Allowable Target Value (Percent Passing)</u>	<u>Deviation (Percent)</u>	<u>Specification (Percent Passing)</u>
37.5 mm (1 ½")	100	-	100
25.0 mm (1")	100	-	97-100
9.5 mm (3/8")	64	6	58-70
4.75 mm (#4)	52	6	46-58
2.36 mm (#8)	36	4	32-40
600 µm (#30)	18	4	14-22
300 µm (#50)	11	3	8-14
75 µm (#200)	6.0	2.0	4.0-8.0

Asphalt Content – 5.1 (± 0.5) percent of total mix

Maximum Theoretical Specific Gravity: 2.456

Dust/Asphalt Ratio: 1.1

Voids in Mineral Aggregate (VMA): 15.3 percent

Voids Filled with Asphalt (VFA): 65.0 percent

Item No. 40201-1400: Hot Asphalt Concrete Pavement, Class B, Grading D

Supplier: Island Road Corporation
6501 Red Hook Plaza, Suite 201
Charlotte Amalie, USVI 00802-1306

Aggregates: Heavy Materials – St. Thomas Quarry
7865 Estate Mariendahl
St. Thomas USVI, 00802

Bulk Sp/Gr: 2.619
Apparent Specific Gravity: 2.652
Absorption: 0.8 percent
Sodium Soundness: 1.8 percent
Sand Equivalent: 60

Asphalt Binder Grade and Source: Pen 60/70
Binder Specific Gravity: 1.034
PDVA
Bajo Grande, Venezuela.

Antistripping Additive: Ar Maz
Winter Haven, FL
Product Name: Adhere LOF 65-00
Antistrip addition Rate (% of total Binder): 0.50 percent

Job Mix Design Properties:

<u>Sieves</u>	<u>Target Value (Percent Passing)</u>	<u>Allowable Deviation (Percent)</u>	<u>Specification (Percent Passing)</u>
19.0 mm (3/4")	100	-	100
12.5 mm (1/2")	99	-	97-100
4.75 mm (#4)	65	6	59-71
2.36 mm (#8)	42	6	36-48
600 µm (#30)	19	4	15-23
300 µm (#50)	13	3	10-16
75 µm (#200)	6.0	2.0	4.0-7.0

Asphalt Content – 5.3 (± 0.5) percent of total mix

Maximum Theoretical Specific Gravity: 2.451

Dust/Asphalt Ratio: 1.1

VMA: 14.5 percent

VFA: 63.5 percent

Item No. 55201-0200: Structural Concrete Class A (A/E) – for headwall 8 x 3 feet headwall and utility

Supplier: Heavy Materials – St. Thomas Quarry
7865 Estate Mariendahl
St. Thomas USVI, 00802

Mix Requirements: Minimum Strength – 5200 pounds per square inch (psi)
in 28 days

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

Maximum Water/Cement Ratio – 0.44

Maximum Slump – 4.0 inch Max

Minimum Air Content – 5.0 percent

Portland cement:	AASHTO C150 Type I	
	Caricement	650 pcy
	Holcim Cement	± 1 %
	Puerto Cumarebo, Venezuela.	644 – 657

Fine Aggregate:	Fine Sand (ASTM C33)	600 pcy
	Argos, Colombia	± 2 %
		588 – 612
	Coarse Sand	1,050 pcy
	Brookman Quarry, STT	± 2 %
		1,029 – 1,071

Course Aggregate:	Crushed Stone (AASHTO C33 No. 56) Brookman Quarry, STT	1,200 pcy ± 2 % 1,176 – 1,224
	Crushed Stone (ASTM C33 No. 8) Brookman Quarry, STT	100 pcy ± 2 % 98 – 102
Water:	Brookman Quarry, STT	281 pcy ± 1 % 278 – 284
Air Entrainment:	(ASTM C260) BASF Masterbuilders AE 90 Cleveland, OH	1.0 oz/cwt ± 3 % 0.97 – 1.03
Water Reducer:	Polyheed 774R BASF Masterbuilders Cleveland, OH	6.0 oz/cwt ± 3 % 5.82 – 6.18
Water Reducer, High Range:	Glenium 30303N S BASF Masterbuilders Cleveland, OH	10.0 oz/cwt ± 3 % 9.70 – 10.30

Item No. 60201-0400: 12-inch Pipe Culvert.

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

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

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

Supplier: Atlantic Pipe Corp.
Carr 14 Street 2
Juana Diaz, PR, 00795

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

Item No. 60902-1300: Curb and Gutter, Concrete, 15-inch depth

Item No. 61501-0100: Sidewalk, Concrete.

Item No. 61504-1000: Accessibility Ramp, Concrete

Are from the same mix as item No. 55201-0200 structural concrete class A (A/E)
with added synthetic structural fiber reinforcement

Supplier: Grace Construction Products
Whithermore Avenue
Cambridge, MA 02140

Fiber reinforcement: Strux 90/40	4.0 pcy
Specific Gravity:	0.92 pcy
Modulus of elasticity	1,378 Ksi
Tensile Strength	78 Ksi

B. Experimental or New Features – None

C. Changes and Problems –

1. Changes

Contract Modification (CM) No. 0001 This contract modification was issued as a unilateral contract modification to incorporate the subsection 107.11 and 109.08 reporting requirements under the American Recovery and Reinvestment Act (ARRA) into the contract.

No Change in the contract amount

No change in contract time.

CM No. 0002 was issued to address three issues that arose during the performance of the contract work. The first issue concerned the existing overhead utilities and electrical cables along the north side of Long Bay Road (LBR). These overhead utilities were in direct conflict with the installation of proposed street lighting along the north side and with the traffic signal system at the entrance to Yacht Heaven Grande. In addition, overhead cables were also in direct conflict with the proposed palm trees along north side as part of landscape and irrigation work on Contract 4. The conflicting overhead cables could not be removed unless underground utility grid was installed first. However, contract plans for the LBR project did not have provision for the installation of underground electrical and communication grids (power, phone, cable, internet, etc.). On previous projects, (Veteran's Drive and Centerline Road & Extension), the underground utility grid work was included as part of the contract in order to remove existing overhead cables and poles in the area. For Contract 3, underground utility grid work was not included in the project work. To resolve this problem, several meetings were held between EFLHD, Virgin Islands' Department of Public Works (VIDPW), and local utility companies. As a result, it was clear that local utility companies were unable to execute this work. In order to remove existing overhead utility cables and install proposed street lights and signals, VIDPW verbally requested EFLHD to include the underground utility work as part of Contract 3. This verbal request was followed by a letter dated May 4, 2010, from the Commissioner of VIDPW requesting EFLHD to execute a contract modification in order to install underground utility conduits as part of VI 0A30 (35) Contract 3. This CM created several new pay items for the installation of underground electrical and communication conduits with concrete encasement, manholes, and connection units including concrete encasement, rigid conduits at the risers according to the USVI code.

The second issue concerned adjustment, increase, of the quantity of three existing items (reinforcing steel, curb& gutter, and sidewalk). The final issue concerned contract time. This contract action increased the total dollar amount for the project and changed the completion date from September 11, 2010, to January 9, 2011.

Net contract increase = \$985,016.40 Contract time increase = 120 calendar days.

CM No. 0003 was issued as a bilateral contract modification to address several issues that arose during the performance of the contract. The first issue concerned redesign of traffic signals and street lighting system. Original contract called for 110 mph design winds for traffic signals and street lights but USVI required 145 mph winds to withstand hurricane winds, as per AASHTO. This CM equitably compensated the contractor to submit wind design changes for the traffic signals and street lights. The second issue concerned construction of a new reinforced block wall in front of the Yacht Haven Grande (YHG) property. DPW requested that a new wall similar to the wall on the left side be built in front of the YHG property. The third issue concerned FHWA field office. The original contract time was 300 days but due to time extensions granted by the Government (due to issues beyond the control of the contractor), contractor incurred additional expenses beyond the 300-day bid price. This CM equitably compensated the contractor for the additional costs associated with the FHWA field office. The fourth issue concerned reduction of the quantity of an existing item (removal of pavement, concrete). The fifth issue concerned contract time. Contractor requested 220-day extension and this CM changed the completion date from January 9, 2011, to August 16, 2011. The underrun for pavement removal item compensated for the new items and overall there was a net reduction in the contract amount.

Net contract decrease = \$21,116.28 Contract time increase = 220 days.

CM No. 0004 (Final): This contract modification was issued to adjust the quantities of existing items. The contractor did not request an equitable adjustment of the unit price of those items with significant ($\pm 15\%$) changes.

Net contract change \$(384,917.45) No change in contract time

Significant Overruns and Underruns

Schedule A

Item 15705-0100: Soil Erosion Control, Silt Fence (Wire Backed) underran by 100 percent due to adjustments made to match existing field conditions.

Item 15706-1100: Soil Erosion Control, Inlet protection underran by 100 percent due adjustments made to match existing field conditions.

Item 20220-1000 Removal of Individual Tree overran by 15 percent due to adjustments made to match existing field conditions.

Item 20301-2400 Removal of Sign overran by 75 percent. DPW requested reconfiguration of through and turning lanes to ease traffic at the Lovers Lane, Long Bay Road, and Veterans Drive intersection. Turn lane lengths were increased to provide more storage area for the turning traffic and ease congestion for the through traffic.

Item 20302-0100 Removal of Box Culvert overran by 17 percent due to adjustments made to match existing field conditions.

Item 20302-0200 Removal of Curb, Concrete (and Gutter) overran by 154 percent due to changes made to the alignment of the previously constructed intersection of Lover's Lane, Veterans Drive and Long Bay Road and due to adjustments made to match existing field conditions.

Item 20302-0900 Removal of Fence, Chain Link underran by 100 percent due to the fact that no chain link was found within the project limits.

Item 20302-2100 Removal of Pipe Culvert underran by 74 percent due to adjustments made to match existing field conditions.

Item 20302-2300 Removal of Waterline (Salt Water) underran by 86 percent due to adjustments made to match existing field conditions.

Item 20303-2300 Removal of Pavement, Concrete underran by 91 percent due to adjustments made to match existing field conditions.

Item 20302-3200 Removal of Sidewalk, Concrete overran by 45 percent due to changes to the intersection of Lover's Lane and damages inflicted by Utility companies.

Item 20303-3600 Removal of Wall underran by 26 percent due to adjustments made to match existing field conditions.

Item 20315-0000: Sawcutting Pavement overran by 301 percent to address the construction of the median islands and temporary traffic control issues throughout the project.

Item 20401-0000 Roadway Excavation underran by 37 percent due to adjustments made to match existing field conditions.

Item 20701-1200 Earthwork Geotextile, Type IV-A overran by 172 percent due to adjustments made to match existing field conditions.

Item 25101-3000 Placed Riprap, Class 3 overran by 16 percent due to adjustments made to match existing field conditions.

Item 40201-0800 Hot Asphalt Concrete Pavement, Marshall Test, Class B, Grading C underran by 18 percent; this quantity was overestimated

Item 30101-4000 Aggregate Base Grading C or D overran by 52 percent due to adjustments made to match existing field conditions

Item 40201-1300 Hot Asphalt Concrete Pavement, Marshall Test, Class A, Grading E Type 3 Pavement Smoothness overran by 32 percent due to adjustments made to match existing field conditions.

Item 50102-0100 Plain Rigid Pavement, 6-inch Depth, Type A Smoothness overran by 215 percent due to adjustments made to match existing field conditions.

Item 55201-0200 Structural Concrete, Class A (AE) (For Headwall for 8 Foot by 3 Foot Box Culvert) overran by 22 percent due to adjustments made to match existing field conditions.

55201-0200 Structural Concrete, Class A (AE) (Utility) underran by 70 percent due to adjustments made to match existing field conditions.

55401-1000 Reinforcing Steel overran by 81 percent due to changes made to install underground utility systems manholes.

60102-0000 Concrete, Reinforced Block Wall overran by 22 percent due to changes made to match existing field conditions.

Item 60201-0400 12-inch Pipe Culvert underran by 38 percent due to adjustments made to match existing field conditions.

Item 60201-0500 15-inch Pipe Culvert underran by 46 percent due to adjustments made to match existing field conditions.

Item 60201-0600 18-inch Pipe Culvert overran by 28 percent due to adjustments made to match existing field conditions.

Item 60201-0800 24-inch Pipe Culvert underran by 50 percent due to adjustments made to match existing field conditions.

Item 60401-1000 Manhole, Type 1 underran by 100 percent due to adjustments made to match existing field conditions.

Item 60401-3000 Manhole, Type 3 underran by 100 percent due to adjustments made to match existing field conditions.

Item 60404-3000 Catch Basin, Type 3 overran by 63 percent due to adjustments made to match existing field conditions.

Item 60405-0000 Manhole Adjustment (Reconstruct) overran by 60 percent due to adjustments made to match existing field conditions.

Item 60405-0000 Manhole adjustment underran by 15 percent due to adjustments made to match existing field conditions.

Item 60901-1700 Curb, Concrete, 18-inch Depth overran by 17 percent due to adjustments made to match existing field conditions.

Item 61102-0450 3/4-inch Waterline, Polyvinyl Chloride (PVC) Schedule 80 (Utility) underran by 100 percent; Item was not needed in the project.

Item 61102-0700 1-inch Waterline, Polyvinyl Chloride (PVC) Schedule 80 (Utility) overran by 226 percent due to adjustments made to match existing field conditions.

Item 61102-2750 4-inch Waterline, Ductile Iron (Utility) underran by 100 percent; Item was not needed in the project.

Item 61102-3000 6-inch Waterline, Ductile Iron (Utility) underran by 100 percent; Item was not needed in the project.

Item 61102-3250 8-inch Waterline, Ductile Iron (Utility) overran by 66 percent due to adjustments made to match existing field conditions.

Item 61104-0400 Valve, Gate W/Curb Strop (Utility) overran by 100 percent due to adjustments made to match existing field conditions.

Item 61104-0700 Valve, Gate, 4-inch (Utility) underran by 100 percent; Item was not used in the project.

Item 61107-0000 Water Meter (Utility) underran by 25 percent due to adjustments made to match existing field conditions.

Item 61108-1000 Adjust Water Valve (Utility) overran by 200 percent due to adjustments made to match existing field conditions.

Item 61202-4000 21-inch Sewer Line, Plastic underran by 50 percent due to adjustments made to match existing field conditions.

Item 61504-1000 Accessibility Ramp, Concrete, overran by 53 percent due to changes requested by the client VI DPW to include extra Accessibility ramps within the project.

Item 61921-1000 Remove and Reset Fence (Chain Link) underran by 100 percent, item was not used in the project.

Item 61921-1000 Remove and Reset Fence (Decorative W/Pillars) underran by 51 percent, due to adjustments made to match existing field conditions.

Item 62405-0100 Placing conserved topsoil, 2-inch depth underran by 82 percent due to Landscape and Irrigation projects 4 and 5 covering most of this work.

Item 62502-0000 Turf Establishment underran by 100 percent due to Landscape and Irrigation projects 4 and 5 covering this work.

Item 62630-0200 Plantings, Seedlings, Balled and Burlapped underran by 100 percent due to Landscape and Irrigation projects 4 and 5 covering this work.

Item 63304-0900 Signs, aluminum Panels, Type 3 Sheeting overran by 58 percent due to changes made to the intersection of Lover's Lane, Veterans Drive and Long Bay Road as well as extra signs requested by the client the VI DPW throughout the project.

Item 63401-1500 Pavement Markings, Type H Solid overran by 109 percent due to adjustments made to match existing field conditions.

Item 63401-1600 Pavement Markings, Type H Broken overran by 22 percent due to quantities underestimated.

Item 63403-0800 Pavement Markings, Type H (Arrow/Word) overran by 127 percent due to changes made to the intersection of Lover's Lane, Veterans Drive and Long Bay Road.

Item 63502-1300 Temporary Traffic Control, Drum underran by 100 percent, item was not used in the project.

Item 63502-1700 Temporary Traffic Control, Warning Light Type C underran by 100 percent as item was not used in the project.

Item 63503-0550 Temporary Traffic Control, Moving Water-Filled Barrier overran by 66 percent due to adjustments made to match existing field conditions.

Item 63503-0700 Temporary Traffic Control, Pavement Markings underran by 17 percent due to adjustments made to match existing field conditions.

Item 63503-0800 Temporary Traffic Control, Pavement Markings Removal underran by 91 percent due to adjustments made to match existing field conditions.

Item 63504-1000 Temporary Traffic Control Construction Sign underran by 55 percent due to adjustments made to match existing field conditions.

Item 63506-0400 Temporary Traffic Control, Police Officer underran by 100 percent as item was not used in the project.

Item 63506-0500 Temporary Traffic Control, Flagger underran by 13 percent due to adjustments made to match existing field conditions.

Item 63606G CM#002, 09/07/10; Conduit, 3-inch (Schedule 40) complete with trenching concrete encasement, warning tape and backfill overran by 192 percent due to adjustments made to match existing field conditions.

Item 63607 CM #002, 09/07/10; JN 4 AWG Copper Stranded XLP Conductor underran by 48 percent; quantity was overestimated by the Utility companies.

Item 63610-2200 Conduit, 3-inch PVC (Schedule 80) underran by 86 percent as Item was substituted by the more economical Item 63606G.

Item 63610-2800 Conduit, 4-inch PVC (Schedule 80) (Utility) Item was not used on the project as it was substituted by the more economical Item 63606G as requested by the Utilities companies WAPA and Innovative Communications.

Item 63610-2800 Conduit, 4-inch, PVC (Schedule 40) overran by 60 percent due to adjustments made to match existing field conditions.

Item 63610-2800 CM#002-2800, Conduit 4-inch PVC (Schedule 40) Complete with Trenching, Concrete Encasement, Warning Tape and Backfill, underran by 18 percent, Item was overestimated by Utility companies.

Item 63610-3200 Conduit, 6-inch, PVC (Schedule 40) overran by 254 percent item was underestimated.

Item 63610-3200 Conduit, 6-inch, PVC (Schedule 80) underran by 100 percent; Item was not used on the project.

Item 63610-3200 CM#002 09/09/10; Conduit, 6-inch PVC (Schedule 40) complete with Trenching, Concrete Encasement, Warning Tape and Backfill

underran by 21 percent; Item was overestimated by utility companies WAPA and Innovative Communications.

Item 63621-1000 Utility Pull Box overran by 86 percent as no utility pull boxes were included into the Landscape and Irrigation Projects Contracts 4 and 5 and contractor was requested to install Pull Boxes for those projects.

Item 63623-1000 Manhole, Electrical (Relocate) (Utility), underran by 100 percent as new Electrical Manholes were installed as part of CM#002.

Item 63610-3200 CM#002, 09/07/10 Contract Modification Work (Conduit 3-inch Rigid) Underran by 100 percent as Item was not used on the project, Included by mistake of Utility Companies Innovative and WAPA.

2. Problems

One of the problem was the existing overhead utilities and electrical cables along the north side of Long Bay Road (LBR). These overhead utilities were in direct conflict with the installation of proposed street lighting along the north side and with the traffic signal system at the entrance to Yacht Heaven Grande. In addition, overhead cables were also in direct conflict with the proposed palm trees along north side as part of landscape and irrigation work on Contract 4. These conflicting overhead cables could not be removed unless underground utility grid was installed first. However, contract did not have provision for the installation of underground electrical and communication grids (power, phone, cable, internet, etc.). To resolve this problem, EFLHD received a written request from the Commissioner of VIDPW to execute a contract modification to install needed underground utility conduits.

DPW requested reconfiguration of through and turning lanes to ease traffic at the Lovers Lane, Long Bay Road, and Veterans Drive intersection. Turn lane lengths were increased to provide more storage area for the turning traffic and ease congestion for the through traffic. This reconfiguration helped ease traffic flow through the intersection, which has many movements in several different directions. The problem of traffic management through the intersection was satisfactorily resolved through close field coordination between DPW, Contractor, and EFLHD project engineer.

D. Recommendations – None

E Claims – None

IV. CONSTRUCTION ENGINEERING

A. Project Personnel –

Jose David, Project Engineer/ COTR
Juan Vazquez-Santos, CI (November 2009- September 2010)
Helson Roman, Project Engineer assistant /COTR (December 2010-September 2011)

B. Contract Inspection –

PBS&J Corporation
5665 New Northside drive Suite 400
Atlanta GA, 30328-4617

Rohadfox Construction Control Service Corporation (Sub to PBS&J)
434 Marietta Street, Unit 101
Atlanta GA 30313

C. Other Contacts –

Department of Public Works:

Wystan Benjamin, DPW Highway program engineer.
Jomo L. McClean, DPW/OHE Designs project manager.
Marilyn Holmes, DPW/OHE Construction project manager.

D. Partnering –

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

STATE	PROJECT	SHEET NO.	TOTAL SHEETS
VI	CT VI-0A30(035) C3	A1	148

GOVERNMENT OF THE VIRGIN ISLANDS OF THE UNITED STATES

DEPARTMENT OF PUBLIC WORKS

PLANS FOR PROPOSED

LONG BAY ROAD

PROJECT CT VI-0A30(035) C3

LONG BAY ROAD (ROUTE 30) IMPROVEMENTS

INDEX TO SHEETS

SHEET NO	DESCRIPTION
A1	TITLE SHEET
A2	SYMBOLS AND ABBREVIATIONS
A3	LOCATION MAP
A4	SCHEMATIC PLAN
A5	SURVEY INFO SHEET
B1-B2	TYPICAL SECTION
C1-C4	TABULATION OF QUANTITIES
C5-C18	MISCELLANEOUS SCHEDULES AND SUMMARIES
D1-D7	ROADWAY PLAN AND PROFILES
D8	PAVEMENT DETAIL - DEVELOPMENT ENTRANCE
E1-E7	DRAINAGE NARRATIVE,PLAN, PROFILES AND DETAILS
F1-F19	UTILITY NOTES, PLAN, PROFILES AND DETAILS
G1-G3	LANDSCAPE PLAN
M1-M4	EROSION AND SEDIMENT CONTROL NARRATIVE AND PLAN
N1-N4	MAINTENANCE OF TRAFFIC PLAN
P1-P3	SIGNING AND STRIPING PLAN
Q1-Q8	LIGHTING PLAN AND DETAILS
R1-R4	SIGNAL NOTES, PLAN AND DETAILS
S1-S54	STANDARDS AND DETAILS
T1-T10	ROADWAY CROSS SECTIONS

ST. THOMAS, U.S. VIRGIN ISLANDS

PROJECT LENGTH: 17+00 TO 31+50 LONG BAY ROAD
1,450 FEET = 0.28 Miles

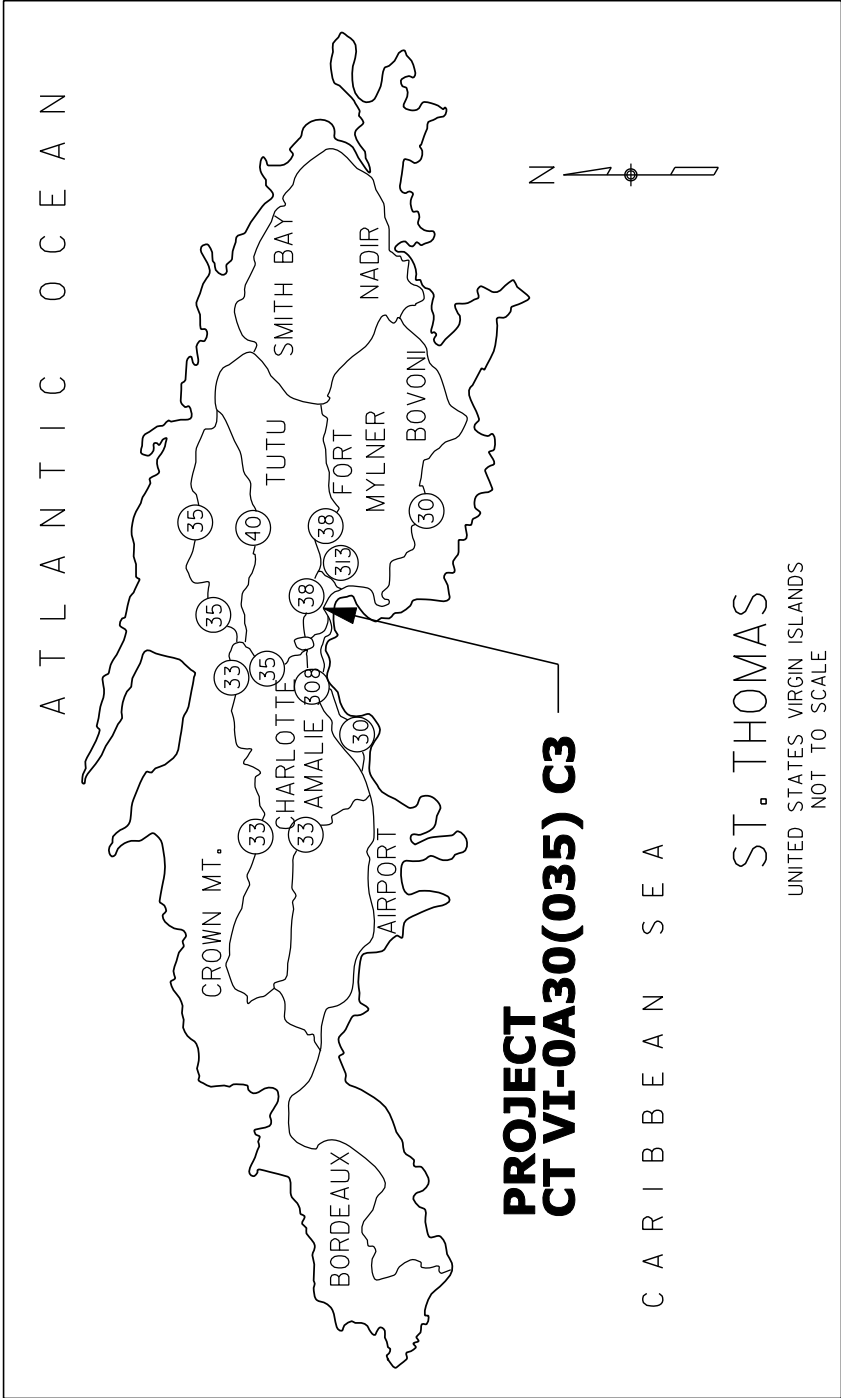
ROAD:	SURFACE:	WIDTH	TYPE
	ASPHALT	22'	ASPHALT
	BASE:	22'	ASPHALT
	ROADBED:	22'	AGGREGATE

DESIGN DESIGNATION:

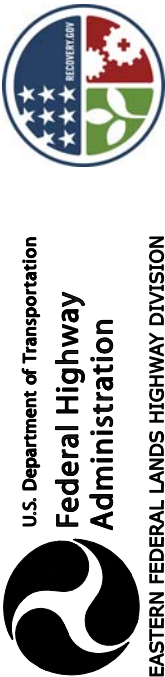
ADT (2009)	24,287
ADT (2029)	29,715
DHV	15
D	50/50
V (MPH)	25
C/A	None
e(max)	8%

SPECIFICATIONS:

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

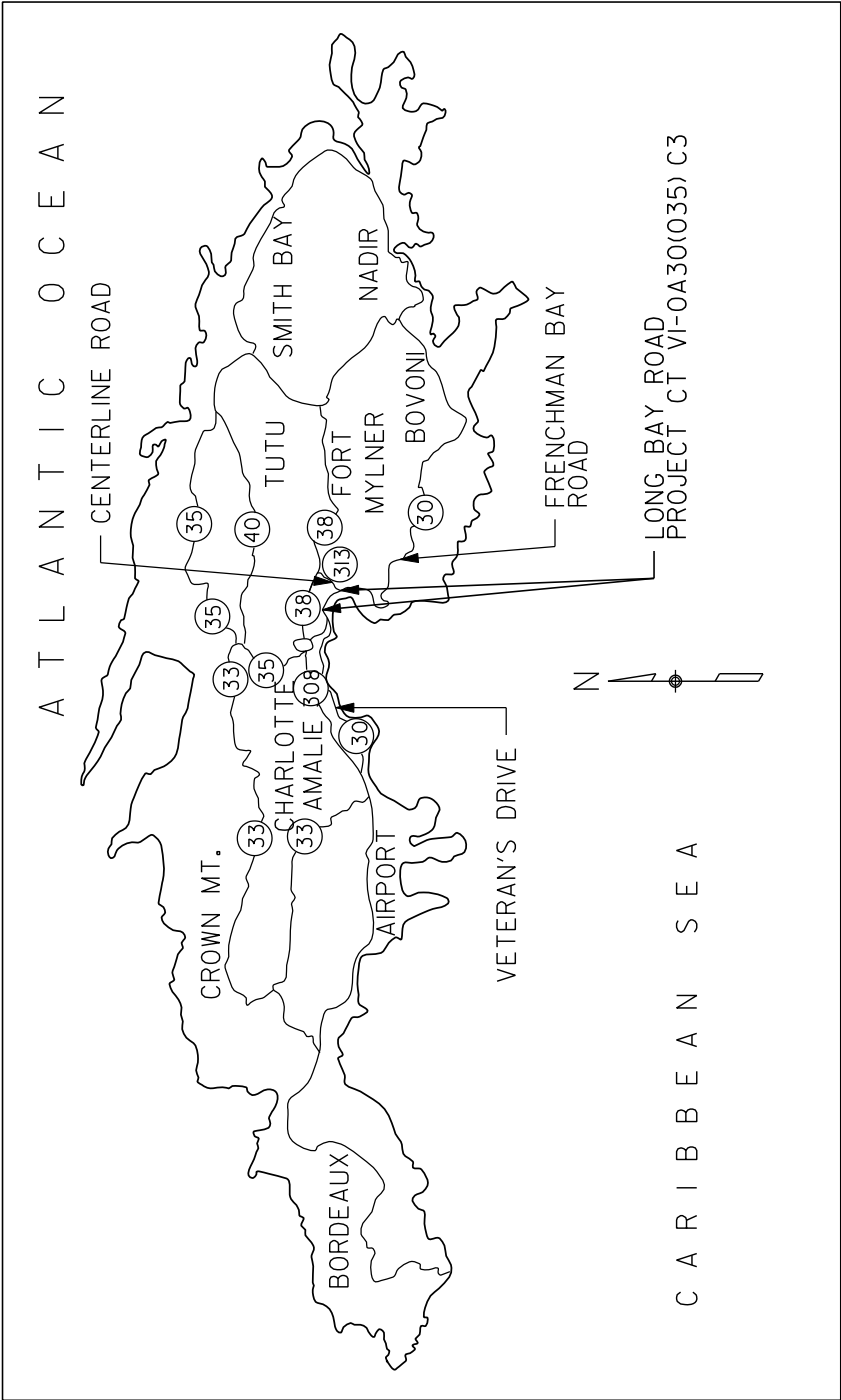


PROJECT MANAGER	LEAD DESIGNER
ARVIND PATEL	SPENCER BEALE



PLANS PREPARED BY

STATE	PROJECT	SHEET NO.
VI	CT VI-0A30(035) C3	A3



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

LONG BAY ROAD

LOCATION MAP

STATE	PROJECT	SHEET NO.
VI	CT VI-0A30(035) C3	A4

Chain LBR contains:
17 CUR LBR-1 CUR LBR-2 18
Beginning chain LBR description

Point 17 N 186,412.3517 E 1,023,931.5485 Sta 17+00.00
Course from 17 to PC LBR-1 S 59° 56' 34.85" E Dist 232.5387

Curve Data

Curve LBR-1
P.I. Station 23+34.09 N 186,094.7606 E 1,024,480.3712
Delta = 19° 52' 58.43" (RT)
Degree = 2° 30' 03.27"
Tangent = 401.5515
Length = 795.0274
Radius = 2,291.0000
External = 34.9245
Long Chord = 791.0442
Mid. Ord. = 34.4001
P.C. Station 19+32.54 N 186,295.8821 E 1,024,132.8173
P.T. Station 27+27.57 N 185,787.4252 E 1,024,738.8062
C.C. N 184,312.9582 E 1,022,985.3445
Back = S 59° 56' 34.85" E
Ahead = S 40° 03' 36.42" E
Chord Bear = S 50° 00' 05.63" E

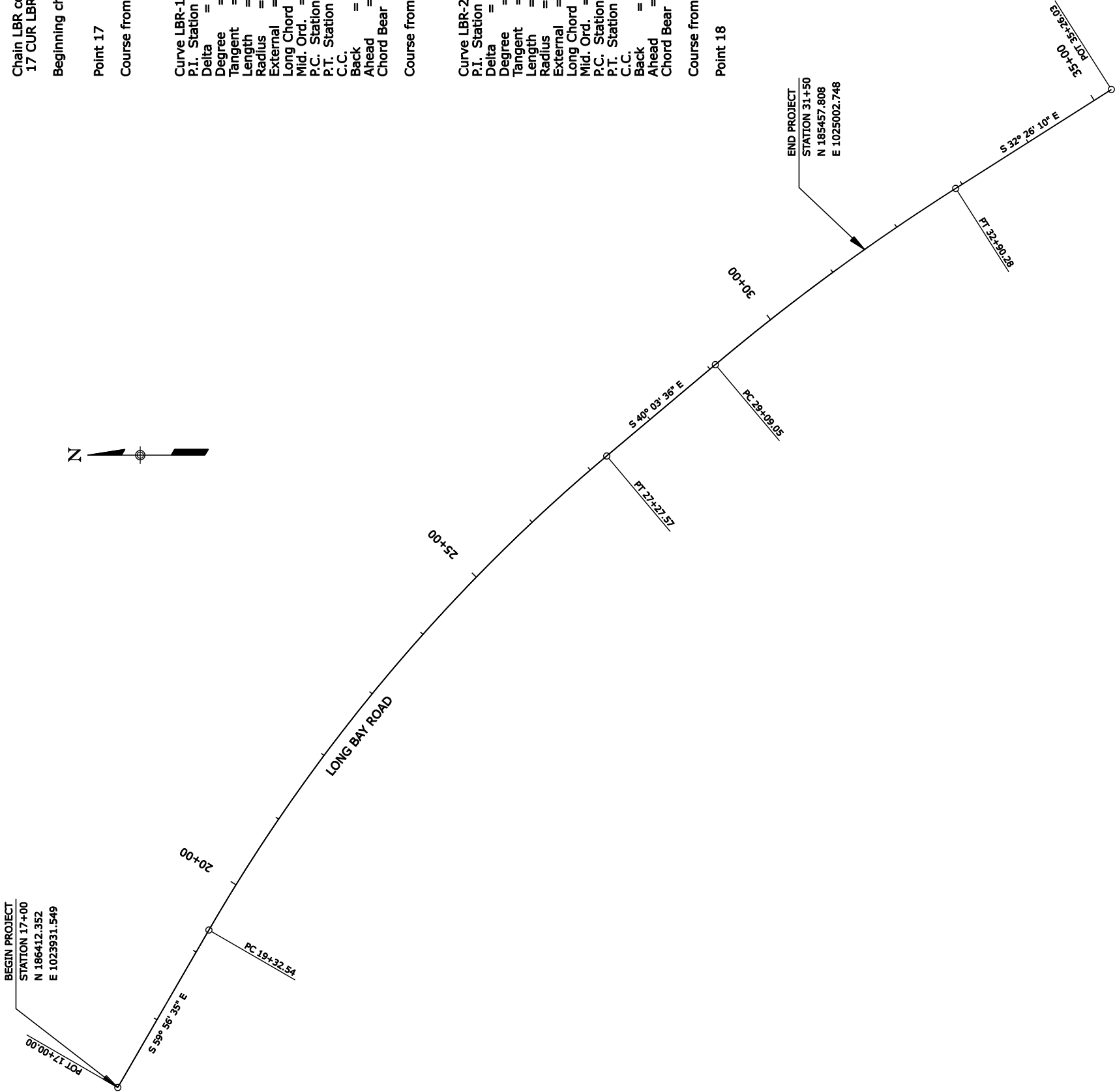
Course from PT LBR-1 to PC LBR-2 S 40° 03' 36.42" E Dist 181.4838

Curve Data

Curve LBR-2
P.I. Station 30+99.95 N 185,502.4164 E 1,024,978.4670
Delta = 7° 37' 26.56" (RT)
Degree = 1° 59' 59.47"
Tangent = 190.8969
Length = 381.2303
Radius = 2,865.0000
External = 6.3528
Long Chord = 380.9491
Mid. Ord. = 6.3387
P.C. Station 29+09.05 N 185,648.5230 E 1,024,855.6075
P.T. Station 32+90.28 N 185,341.3012 E 1,025,080.8562
C.C. N 183,804.6348 E 1,022,662.8237
Back = S 40° 03' 36.42" E
Ahead = S 32° 26' 09.86" E
Chord Bear = S 36° 14' 53.14" E

Course from PT LBR-2 to 18 S 32° 26' 09.86" E Dist 235.7514

Point 18 N 185,142.3293 E 1,025,207.3034 Sta 35+26.03



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

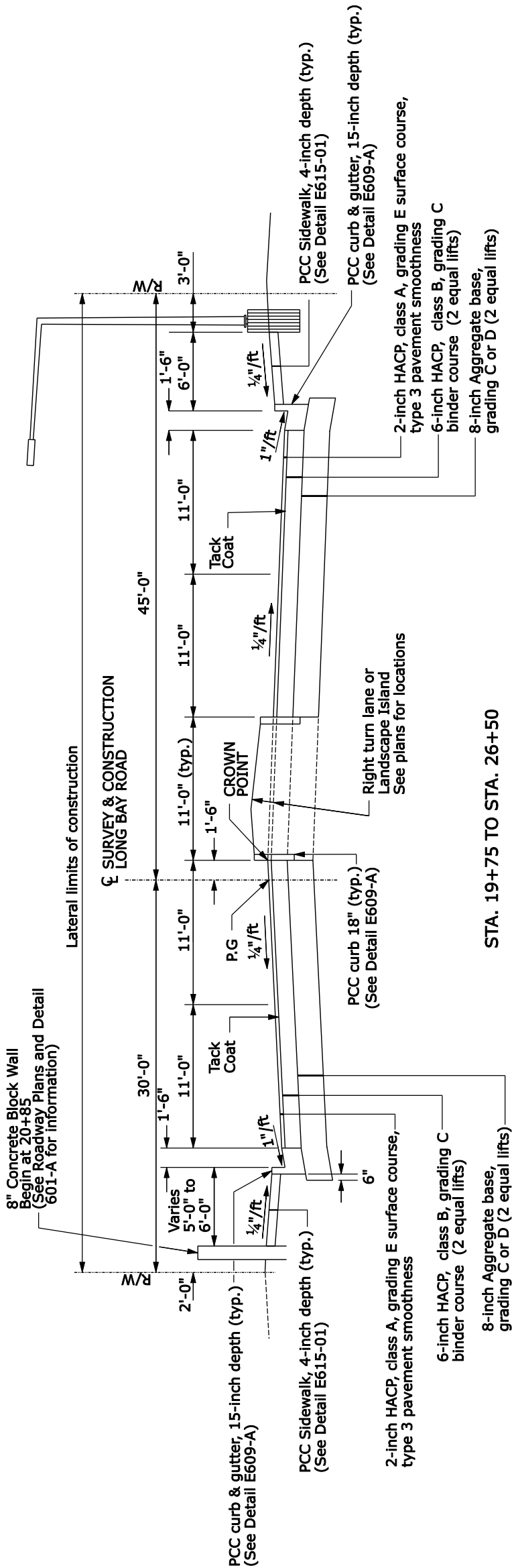
LONG BAY ROAD

SCHEMATIC PLAN

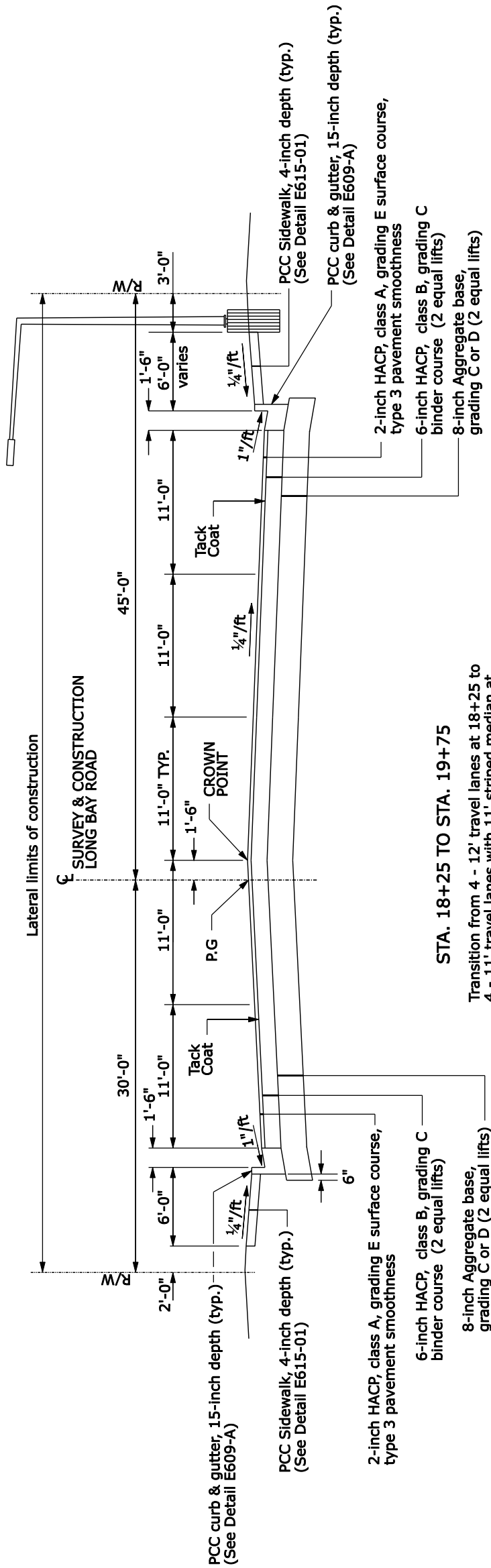
STATE	PROJECT	SHEET NO.
VI	CT VI-0A30(035) C3	B1

Notes:

1. Place conserved topsoil (2 inch depth) on all disturbed areas.
2. For light pole locations refer to Lighting Plan.



STA. 19+75 TO STA. 26+50



STA. 18+25 TO STA. 19+75

Transition from 4 - 12' travel lanes at 18+25 to 4 - 11' travel lanes with 11' striped median at 19+75. Transition right sidewalk from 8' to 6'. Typical shows 19+75 section.

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

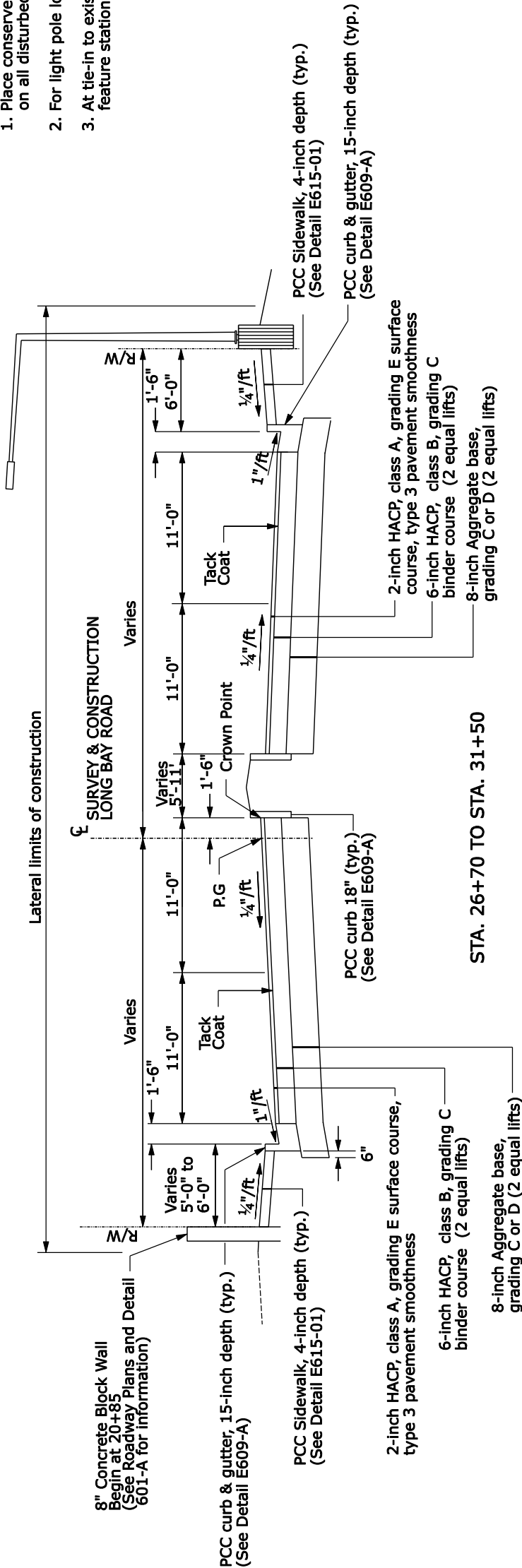
LONG BAY ROAD

TYPICAL SECTIONS

STATE	PROJECT	SHEET NO.
VI	CT VI-0A30(035) C3	B2

Notes:

1. Place conserved topsoil (2 inch depth) on all disturbed areas.
2. For light pole locations refer to Lighting Plan.
3. At tie-in to existing roadway, match all existing feature stations, offsets, and elevations.



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

LONG BAY ROAD

TYPICAL SECTIONS

TABULATION OF BIDS

Bid Schedule A

Project No.: CT VI 0A30(035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

State: VI
County: ST THOMAS
VIRGIN ISLANDS DEPARTMENT OF PUBLIC

Opened at: St. Thomas, USVI
By: P. Schaad
Date: 08/11/09

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

Signed: PEGGY SCHAAD

Title: CONTRACT SPECIALIST Date: 08/11/09

Contract Awarded to: Island Roads Corporation Date: 09/22/09

Contractor	Bid Amount	Responsive
Island Roads Corporation 6501 Red Hook Plaza Suite 201 St. Thomas, VI 00802	5,537,155.00	
Tip Top Construction 5064 Mt. Welcome Christiansted, St. C, VI 00820-467	5,825,930.00	
Engineer's Estimate	6,400,000.00	

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30 (035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
15101-0000	LPSM	MOBILIZATION			
	Island Roads Corporation		ALL	550,000.00	550,000.00
	Tip Top Construction			685,000.00	685,000.00
	ENGINEER'S ESTIMATE			759,629.00	759,629.00
15201-0000	LPSM	CONSTRUCTION SURVEY AND STAKING			
	Island Roads Corporation		ALL	27,500.00	27,500.00
	Tip Top Construction			65,000.00	65,000.00
	ENGINEER'S ESTIMATE			60,000.00	60,000.00
15401-0000	LPSM	CONTRACTOR TESTING			
	Island Roads Corporation		ALL	30,000.00	30,000.00
	Tip Top Construction			45,000.00	45,000.00
	ENGINEER'S ESTIMATE			60,000.00	60,000.00
15705-0100	LNFT	SOIL EROSION CONTROL, SILT FENCE (WIRE BACKED)			
	Island Roads Corporation		1,300	6.00	7,800.00
	Tip Top Construction			20.00	26,000.00
	ENGINEER'S ESTIMATE			7.00	9,100.00
15706-1100	EACH	SOIL EROSION CONTROL, INLET PROTECTION TYPE A			
	Island Roads Corporation		12	550.00	6,600.00
	Tip Top Construction			1,200.00	14,400.00
	ENGINEER'S ESTIMATE			2,415.00	28,980.00
15801-0000	MGAL	WATERING FOR DUST CONTROL (1000 gal per mgal)			
	Island Roads Corporation		120	100.00	12,000.00
	Tip Top Construction			300.00	36,000.00
	ENGINEER'S ESTIMATE			80.00	9,600.00
20102-0000	LPSM	CLEARING AND GRUBBING			
	Island Roads Corporation		ALL	1,100.00	1,100.00
	Tip Top Construction			12,000.00	12,000.00
	ENGINEER'S ESTIMATE			6,300.00	6,300.00
20220-1000	EACH	REMOVAL, INDIVIDUAL TREE			
	Island Roads Corporation		40	1,650.00	66,000.00
	Tip Top Construction			1,000.00	40,000.00
	ENGINEER'S ESTIMATE			1,650.00	66,000.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30(035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
20301-0900	EACH	REMOVAL OF FIRE HYDRANT (UTILITY)			
	Island Roads Corporation		2	1,100.00	2,200.00
	Tip Top Construction			1,200.00	2,400.00
	ENGINEER'S ESTIMATE			1,740.00	3,480.00
20301-1400	EACH	REMOVAL OF INLET			
	Island Roads Corporation		7	1,100.00	7,700.00
	Tip Top Construction			750.00	5,250.00
	ENGINEER'S ESTIMATE			630.00	4,410.00
20301-2400	EACH	REMOVAL OF SIGN			
	Island Roads Corporation		4	110.00	440.00
	Tip Top Construction			450.00	1,800.00
	ENGINEER'S ESTIMATE			300.00	1,200.00
20301-2700	EACH	REMOVAL OF STRUCTURE , BUS SHELTER			
	Island Roads Corporation		1	2,200.00	2,200.00
	Tip Top Construction			6,000.00	6,000.00
	ENGINEER'S ESTIMATE			5,000.00	5,000.00
20302-0100	LNFT	REMOVAL OF BOX CULVERT			
	Island Roads Corporation		52	165.00	8,580.00
	Tip Top Construction			1,200.00	62,400.00
	ENGINEER'S ESTIMATE			55.00	2,860.00
20302-0200	LNFT	REMOVAL OF CURB , CONCRETE (AND GUTTER)			
	Island Roads Corporation		500	22.00	11,000.00
	Tip Top Construction			45.00	22,500.00
	ENGINEER'S ESTIMATE			16.00	8,000.00
20302-0900	LNFT	REMOVAL OF FENCE, CHAIN LINK			
	Island Roads Corporation		1,000	5.00	5,000.00
	Tip Top Construction			10.00	10,000.00
	ENGINEER'S ESTIMATE			10.50	10,500.00
20302-2100	LNFT	REMOVAL OF PIPE CULVERT			
	Island Roads Corporation		100	55.00	5,500.00
	Tip Top Construction			25.00	2,500.00
	ENGINEER'S ESTIMATE			27.50	2,750.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30 (035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
20302-2300	LNFT	REMOVAL OF WATERLINE (SALT WATER)			
	Island Roads Corporation		1,225	33.00	40,425.00
	Tip Top Construction			25.00	30,625.00
	ENGINEER'S ESTIMATE			30.00	36,750.00
20303-1600	SQYD	REMOVAL OF PAVEMENT, ASPHALT			
	Island Roads Corporation		4,500	30.00	135,000.00
	Tip Top Construction			20.00	90,000.00
	ENGINEER'S ESTIMATE			16.00	72,000.00
20303-2300	SQYD	REMOVAL OF PAVEMENT, CONCRETE			
	Island Roads Corporation		4,500	35.00	157,500.00
	Tip Top Construction			25.00	112,500.00
	ENGINEER'S ESTIMATE			21.00	94,500.00
20303-3200	SQYD	REMOVAL OF SIDEWALK, CONCRETE			
	Island Roads Corporation		1,400	20.00	28,000.00
	Tip Top Construction			20.00	28,000.00
	ENGINEER'S ESTIMATE			16.00	22,400.00
20303-3600	SQYD	REMOVAL OF WALL			
	Island Roads Corporation		780	27.50	21,450.00
	Tip Top Construction			85.00	66,300.00
	ENGINEER'S ESTIMATE			190.00	148,200.00
20315-0000	LNFT	SAWCUTTING PAVEMENT			
	Island Roads Corporation		200	11.00	2,200.00
	Tip Top Construction			18.00	3,600.00
	ENGINEER'S ESTIMATE			7.00	1,400.00
20401-0000	CUYD	ROADWAY EXCAVATION			
	Island Roads Corporation		3,750	75.00	281,250.00
	Tip Top Construction			85.00	318,750.00
	ENGINEER'S ESTIMATE			84.00	315,000.00
20701-1200	SQYD	EARTHWORK GEOTEXTILE, TYPE IV-A			
	Island Roads Corporation		55	30.00	1,650.00
	Tip Top Construction			45.00	2,475.00
	ENGINEER'S ESTIMATE			7.50	412.50

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30 (035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
25101-3000	CUYD	PLACED RIPRAP, CLASS 3			
	Island Roads Corporation		40	275.00	11,000.00
	Tip Top Construction			300.00	12,000.00
	ENGINEER'S ESTIMATE			263.00	10,520.00
30101-4000	TON	AGGREGATE BASE GRADING C OR D			
	Island Roads Corporation		3,300	75.00	247,500.00
	Tip Top Construction			95.00	313,500.00
	ENGINEER'S ESTIMATE			60.00	198,000.00
40201-0800	TON	HOT ASPHALT CONCRETE PAVEMENT, MARSHALL TEST, CLASS B, GRADING C			
	Island Roads Corporation		2,950	275.00	811,250.00
	Tip Top Construction			255.00	752,250.00
	ENGINEER'S ESTIMATE			325.00	958,750.00
40201-1300	TON	HOT ASPHALT CONCRETE PAVEMENT, MARSHALL TEST, CLASS A, GRADING E , TYPE 3 PAVEMENT SMOOTHNESS			
	Island Roads Corporation		1,000	275.00	275,000.00
	Tip Top Construction			255.00	255,000.00
	ENGINEER'S ESTIMATE			325.00	325,000.00
50102-0100	SQYD	PLAIN RIGID PAVEMENT, 6-INCH DEPTH, TYPE A SMOOTHNESS			
	Island Roads Corporation		40	132.00	5,280.00
	Tip Top Construction			250.00	10,000.00
	ENGINEER'S ESTIMATE			230.00	9,200.00
55201-0200	CUYD	STRUCTURAL CONCRETE, CLASS A (AE) (FOR HEADWALL FOR 8 FOOT X 3 FOOT BOX CULVERT)			
	Island Roads Corporation		5	1,320.00	6,600.00
	Tip Top Construction			1,500.00	7,500.00
	ENGINEER'S ESTIMATE			1,260.00	6,300.00
55201-0200	CUYD	STRUCTURAL CONCRETE, CLASS A (AE) (UTILITY)			
	Island Roads Corporation		6	1,320.00	7,920.00
	Tip Top Construction			1,300.00	7,800.00
	ENGINEER'S ESTIMATE			1,260.00	7,560.00
55401-1000	LB	REINFORCING STEEL			
	Island Roads Corporation		300	11.00	3,300.00
	Tip Top Construction			10.00	3,000.00
	ENGINEER'S ESTIMATE			10.50	3,150.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30 (035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
60102-0000	SQYD	CONCRETE , REINFORCED BLOCK WALL			
	Island Roads Corporation		500	75.00	37,500.00
	Tip Top Construction			350.00	175,000.00
	ENGINEER'S ESTIMATE			230.00	115,000.00
60201-0400	LNFT	12-INCH PIPE CULVERT			
	Island Roads Corporation		200	220.00	44,000.00
	Tip Top Construction			215.00	43,000.00
	ENGINEER'S ESTIMATE			210.00	42,000.00
60201-0500	LNFT	15-INCH PIPE CULVERT			
	Island Roads Corporation		224	275.00	61,600.00
	Tip Top Construction			235.00	52,640.00
	ENGINEER'S ESTIMATE			263.00	58,912.00
60201-0600	LNFT	18-INCH PIPE CULVERT			
	Island Roads Corporation		300	330.00	99,000.00
	Tip Top Construction			265.00	79,500.00
	ENGINEER'S ESTIMATE			315.00	94,500.00
60201-0800	LNFT	24-INCH PIPE CULVERT			
	Island Roads Corporation		90	550.00	49,500.00
	Tip Top Construction			355.00	31,950.00
	ENGINEER'S ESTIMATE			525.00	47,250.00
60220-1750	LNFT	8 FEET SPAN, 3 FEET RISE PRECAST REINFORCED CONCRETE BOX CULVERT			
	Island Roads Corporation		80	1,540.00	123,200.00
	Tip Top Construction			1,250.00	100,000.00
	ENGINEER'S ESTIMATE			1,470.00	117,600.00
60401-1000	EACH	MANHOLE, TYPE 1			
	Island Roads Corporation		3	6,600.00	19,800.00
	Tip Top Construction			10,500.00	31,500.00
	ENGINEER'S ESTIMATE			7,600.00	22,800.00
60401-3000	EACH	MANHOLE, TYPE 3			
	Island Roads Corporation		4	6,600.00	26,400.00
	Tip Top Construction			10,500.00	42,000.00
	ENGINEER'S ESTIMATE			6,300.00	25,200.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30 (035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
60404-0000	EACH	CATCH BASIN (TYPE 2-2B)			
	Island Roads Corporation		1	6,600.00	6,600.00
	Tip Top Construction			9,000.00	9,000.00
	ENGINEER'S ESTIMATE			4,200.00	4,200.00
60404-0000	EACH	CATCH BASIN (TYPE 5)			
	Island Roads Corporation		1	4,400.00	4,400.00
	Tip Top Construction			9,000.00	9,000.00
	ENGINEER'S ESTIMATE			4,200.00	4,200.00
60404-3000	EACH	CATCH BASIN, TYPE 3			
	Island Roads Corporation		8	4,400.00	35,200.00
	Tip Top Construction			7,500.00	60,000.00
	ENGINEER'S ESTIMATE			4,200.00	33,600.00
60405-0000	EACH	MANHOLE ADJUSTMENT (RECONSTRUCT)			
	Island Roads Corporation		5	550.00	2,750.00
	Tip Top Construction			2,500.00	12,500.00
	ENGINEER'S ESTIMATE			5,700.00	28,500.00
60405-0000	EACH	MANHOLE ADJUSTMENT			
	Island Roads Corporation		20	550.00	11,000.00
	Tip Top Construction			1,000.00	20,000.00
	ENGINEER'S ESTIMATE			525.00	10,500.00
60407-0000	EACH	CAPPING INLETS AND MANHOLES (UTILITY)			
	Island Roads Corporation		1	2,200.00	2,200.00
	Tip Top Construction			5,000.00	5,000.00
	ENGINEER'S ESTIMATE			3,150.00	3,150.00
60413-0000	LNFT	TRENCH DRAIN			
	Island Roads Corporation		35	715.00	25,025.00
	Tip Top Construction			200.00	7,000.00
	ENGINEER'S ESTIMATE			715.00	25,025.00
60901-1700	LNFT	CURB, CONCRETE, 18-INCH DEPTH			
	Island Roads Corporation		1,300	80.00	104,000.00
	Tip Top Construction			100.00	130,000.00
	ENGINEER'S ESTIMATE			165.00	214,500.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30 (035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
60902-1300	LNFT	CURB AND GUTTER, CONCRETE, 15-INCH DEPTH			
	Island Roads Corporation		2,450	80.00	196,000.00
	Tip Top Construction			135.00	330,750.00
	ENGINEER'S ESTIMATE			80.00	196,000.00
61102-0450	LNFT	3/4-INCH WATERLINE, POLYVINYL CHLORIDE (PVC) SCHEDULE 80 (UTILITY)			
	Island Roads Corporation		10	80.00	800.00
	Tip Top Construction			100.00	1,000.00
	ENGINEER'S ESTIMATE			49.50	495.00
61102-0700	LNFT	1-INCH WATERLINE, POLYVINYL CHLORIDE (PVC) SCHEDULE 80 (UTILITY)			
	Island Roads Corporation		35	110.00	3,850.00
	Tip Top Construction			125.00	4,375.00
	ENGINEER'S ESTIMATE			55.00	1,925.00
61102-2750	LNFT	4-INCH WATERLINE, DUCTILE IRON (UTILITY)			
	Island Roads Corporation		30	220.00	6,600.00
	Tip Top Construction			225.00	6,750.00
	ENGINEER'S ESTIMATE			160.00	4,800.00
61102-3000	LNFT	6-INCH WATERLINE, DUCTILE IRON (UTILITY)			
	Island Roads Corporation		20	330.00	6,600.00
	Tip Top Construction			235.00	4,700.00
	ENGINEER'S ESTIMATE			210.00	4,200.00
61102-3250	LNFT	8-INCH WATERLINE, DUCTILE IRON (UTILITY)			
	Island Roads Corporation		150	440.00	66,000.00
	Tip Top Construction			265.00	39,750.00
	ENGINEER'S ESTIMATE			275.00	41,250.00
61104-0400	EACH	VALVE, GATE W/ CURB STOP (UTILITY)			
	Island Roads Corporation		1	1,100.00	1,100.00
	Tip Top Construction			1,450.00	1,450.00
	ENGINEER'S ESTIMATE			500.00	500.00
61104-0700	EACH	VALVE, GATE, 4-INCH (UTILITY)			
	Island Roads Corporation		1	1,100.00	1,100.00
	Tip Top Construction			3,500.00	3,500.00
	ENGINEER'S ESTIMATE			840.00	840.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30(035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
61107-0000	EACH	WATER METER (UTILITY)			
	Island Roads Corporation		4	2,200.00	8,800.00
	Tip Top Construction			2,000.00	8,000.00
	ENGINEER'S ESTIMATE			3,750.00	15,000.00
61108-1000	EACH	ADJUST WATER VALVE (UTILITY)			
	Island Roads Corporation		2	385.00	770.00
	Tip Top Construction			1,550.00	3,100.00
	ENGINEER'S ESTIMATE			3,500.00	7,000.00
61109-4000	EACH	RELOCATE FIRE HYDRANT			
	Island Roads Corporation		1	3,300.00	3,300.00
	Tip Top Construction			6,000.00	6,000.00
	ENGINEER'S ESTIMATE			2,200.00	2,200.00
61202-4000	LNFT	21-INCH SEWER LINE, PLASTIC			
	Island Roads Corporation		30	550.00	16,500.00
	Tip Top Construction			500.00	15,000.00
	ENGINEER'S ESTIMATE			700.00	21,000.00
61501-0100	SQYD	SIDEWALK, CONCRETE			
	Island Roads Corporation		1,900	85.00	161,500.00
	Tip Top Construction			100.00	190,000.00
	ENGINEER'S ESTIMATE			100.00	190,000.00
61504-1000	SQYD	ACCESSIBILITY RAMP, CONCRETE			
	Island Roads Corporation		40	200.00	8,000.00
	Tip Top Construction			250.00	10,000.00
	ENGINEER'S ESTIMATE			300.00	12,000.00
61921-1000	LNFT	REMOVE AND RESET FENCE (CHAIN LINK)			
	Island Roads Corporation		22	150.00	3,300.00
	Tip Top Construction			20.00	440.00
	ENGINEER'S ESTIMATE			25.00	550.00
61921-1000	LNFT	REMOVE AND RESET FENCE (DECORATIVE W/ PILLARS)			
	Island Roads Corporation		200	165.00	33,000.00
	Tip Top Construction			150.00	30,000.00
	ENGINEER'S ESTIMATE			105.00	21,000.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30 (035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
62405-0100	SQYD	PLACING CONSERVED TOPSOIL, 2-INCH DEPTH			
	Island Roads Corporation		1,700	16.00	27,200.00
	Tip Top Construction			19.00	32,300.00
	ENGINEER'S ESTIMATE			30.00	51,000.00
62502-0000	SQYD	TURF ESTABLISHMENT			
	Island Roads Corporation		1,700	16.00	27,200.00
	Tip Top Construction			6.00	10,200.00
	ENGINEER'S ESTIMATE			5.00	8,500.00
62630-0200	EACH	PLANTINGS, SEEDLINGS, BALLED AND BURLAPPED			
	Island Roads Corporation		6	440.00	2,640.00
	Tip Top Construction			2,500.00	15,000.00
	ENGINEER'S ESTIMATE			300.00	1,800.00
63304-0900	SQFT	SIGNS, ALUMINUM PANELS, TYPE 3 SHEETING			
	Island Roads Corporation		130	85.00	11,050.00
	Tip Top Construction			150.00	19,500.00
	ENGINEER'S ESTIMATE			145.00	18,850.00
63401-1500	LNFT	PAVEMENT MARKINGS, TYPE H, SOLID			
	Island Roads Corporation		2,000	4.00	8,000.00
	Tip Top Construction			7.00	14,000.00
	ENGINEER'S ESTIMATE			3.50	7,000.00
63401-1600	LNFT	PAVEMENT MARKINGS, TYPE H, BROKEN			
	Island Roads Corporation		2,300	4.00	9,200.00
	Tip Top Construction			8.50	19,550.00
	ENGINEER'S ESTIMATE			3.50	8,050.00
63403-0800	SQFT	PAVEMENT MARKINGS, TYPE H (ARROW / WORD)			
	Island Roads Corporation		360	25.00	9,000.00
	Tip Top Construction			75.00	27,000.00
	ENGINEER'S ESTIMATE			21.00	7,560.00
63502-1300	EACH	TEMPORARY TRAFFIC CONTROL, DRUM			
	Island Roads Corporation		20	165.00	3,300.00
	Tip Top Construction			250.00	5,000.00
	ENGINEER'S ESTIMATE			220.00	4,400.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30 (035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
63502-1700	EACH	TEMPORARY TRAFFIC CONTROL, WARNING LIGHT TYPE C			
	Island Roads Corporation		18	220.00	3,960.00
	Tip Top Construction			300.00	5,400.00
	ENGINEER'S ESTIMATE			200.00	3,600.00
63502-2000	EACH	TEMPORARY TRAFFIC CONTROL, PORTABLE CHANGEABLE MESSAGE SIGN			
	Island Roads Corporation		2	33,000.00	66,000.00
	Tip Top Construction			22,000.00	44,000.00
	ENGINEER'S ESTIMATE			66,000.00	132,000.00
63503-0450	LNFT	TEMPORARY TRAFFIC CONTROL, WATER-FILLED BARRIER			
	Island Roads Corporation		2,800	55.00	154,000.00
	Tip Top Construction			75.00	210,000.00
	ENGINEER'S ESTIMATE			150.00	420,000.00
63503-0550	LNFT	TEMPORARY TRAFFIC CONTROL, MOVING WATER-FILLED BARRIER			
	Island Roads Corporation		3,300	22.00	72,600.00
	Tip Top Construction			50.00	165,000.00
	ENGINEER'S ESTIMATE			25.00	82,500.00
63503-0700	LNFT	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKINGS			
	Island Roads Corporation		17,000	2.00	34,000.00
	Tip Top Construction			2.00	34,000.00
	ENGINEER'S ESTIMATE			3.00	51,000.00
63503-0800	LNFT	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKING REMOVAL			
	Island Roads Corporation		17,000	5.00	85,000.00
	Tip Top Construction			2.00	34,000.00
	ENGINEER'S ESTIMATE			5.25	89,250.00
63504-1000	SQFT	TEMPORARY TRAFFIC CONTROL, CONSTRUCTION SIGN			
	Island Roads Corporation		110	55.00	6,050.00
	Tip Top Construction			100.00	11,000.00
	ENGINEER'S ESTIMATE			80.00	8,800.00
63506-0400	HOURL	TEMPORARY TRAFFIC CONTROL, POLICE OFFICER			
	Island Roads Corporation		670	66.00	44,220.00
	Tip Top Construction			40.00	26,800.00
	ENGINEER'S ESTIMATE			66.00	44,220.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30(035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
63506-0500	HOUR	TEMPORARY TRAFFIC CONTROL, FLAGGER			
	Island Roads Corporation		950	13.40	12,730.00
	Tip Top Construction			13.40	12,730.00
	ENGINEER'S ESTIMATE			13.40	12,730.00
63601-1000	LPSM	SYSTEM INSTALLATION, TRAFFIC SIGNAL (DESIGN \ BUILD)			
	Island Roads Corporation		ALL	200,000.00	200,000.00
	Tip Top Construction			195,000.00	195,000.00
	ENGINEER'S ESTIMATE			450,000.00	450,000.00
63601-2000	LPSM	SYSTEM INSTALLATION, LIGHTING			
	Island Roads Corporation		ALL	200,000.00	200,000.00
	Tip Top Construction			205,000.00	205,000.00
	ENGINEER'S ESTIMATE			100,000.00	100,000.00
63610-1600	LNFT	CONDUIT, 2-INCH, PVC			
	Island Roads Corporation		2,543	80.00	203,440.00
	Tip Top Construction			15.00	38,145.00
	ENGINEER'S ESTIMATE			21.00	53,403.00
63610-2200	LNFT	CONDUIT, 3-INCH, PVC (SCHEDULE 80)			
	Island Roads Corporation		575	90.00	51,750.00
	Tip Top Construction			20.00	11,500.00
	ENGINEER'S ESTIMATE			27.50	15,812.50
63610-2800	LNFT	CONDUIT, 4-INCH, PVC (SCHEDULE 80) (UTILITY)			
	Island Roads Corporation		1,490	100.00	149,000.00
	Tip Top Construction			30.00	44,700.00
	ENGINEER'S ESTIMATE			31.50	46,935.00
63610-2800	LNFT	CONDUIT, 4-INCH, PVC (SCHEDULE 40)			
	Island Roads Corporation		70	100.00	7,000.00
	Tip Top Construction			50.00	3,500.00
	ENGINEER'S ESTIMATE			31.50	2,205.00
63610-3200	LNFT	CONDUIT, 6-INCH, PVC (SCHEDULE 40)			
	Island Roads Corporation		70	130.00	9,100.00
	Tip Top Construction			75.00	5,250.00
	ENGINEER'S ESTIMATE			40.00	2,800.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30(035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

Item No.	Item Unit	Item Description	Quantity	Unit Price	Amount
63610-3200	LNFT	CONDUIT, 6-INCH, PVC (SCHEDULE 80)			
	Island Roads Corporation		70	130.00	9,100.00
	Tip Top Construction			150.00	10,500.00
	ENGINEER'S ESTIMATE			40.00	2,800.00
63621-1000	EACH	UTILITY BOX, PULLBOX			
	Island Roads Corporation		7	825.00	5,775.00
	Tip Top Construction			2,200.00	15,400.00
	ENGINEER'S ESTIMATE			788.00	5,516.00
63621-3000	EACH	UTILITY BOX, JUNCTION BOX (HANDHOLE) (UTILITY)			
	Island Roads Corporation		2	20,000.00	40,000.00
	Tip Top Construction			2,000.00	4,000.00
	ENGINEER'S ESTIMATE			2,320.00	4,640.00
63623-1000	EACH	MANHOLE, ELECTRICAL (RELOCATE) (UTILITY)			
	Island Roads Corporation		1	27,500.00	27,500.00
	Tip Top Construction			15,000.00	15,000.00
	ENGINEER'S ESTIMATE			6,980.00	6,980.00
63701-0000	EACH	FIELD OFFICE			
	Island Roads Corporation		1	44,000.00	44,000.00
	Tip Top Construction			25,000.00	25,000.00
	ENGINEER'S ESTIMATE			75,000.00	75,000.00
64501-0000	LPSM	LOCATE UTILITIES			
	Island Roads Corporation		ALL	11,000.00	11,000.00
	Tip Top Construction			35,000.00	35,000.00
	ENGINEER'S ESTIMATE			20,000.00	20,000.00
64602-2000	LPSM	BUILDING, SUPPORT BUILDING (Bus Shelter)			
	Island Roads Corporation		ALL	55,000.00	55,000.00
	Tip Top Construction			20,000.00	20,000.00
	ENGINEER'S ESTIMATE			50,000.00	50,000.00

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30(035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

BID TOTAL CHECK PASS

Bidder	Bidder's Bid Amount	Computed Bid Amount	Error
Island Roads Corporation	5,537,155.00	5,537,155.00	
Tip Top Construction	5,825,930.00	5,825,930.00	

The apparent low bidder is 13 % below the engineer's estimate.

TABULATION OF BIDS

Date: 08/12/09

Bid Schedule A

Project No.: CT VI 0A30(035) C3

Project Name: LONG BAY ROAD - CONTRACT 3

BID ITEM CHECK PASS

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

Previous edition usable

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.

NGN 7510 00 000 2224

RECEIVED

JUN 6 2012

FINANCE DEPT

**DEPARTMENT OF TRANSPORTATION
CONTRACTOR'S RELEASE**

CONTRACTOR (Name and Address)

Island Roads Corporation
6501 Red Hook Plaza, Suite 201
St. Thomas, VI 00802

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

\$6,116,137.67

CONTRACT NO.: DTFH71-09-C-00027

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

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

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

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

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

IN WITNESSES WHEREOF, this release has been executed this 10 day of MAY, 20 12

WITNESSES

Island Roads Corporation
(Contractor)

BY

A.S.MITH

TITLE

PRESIDENT

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

I, HARRY HENRICKSON, am the COMPANY secretary of the corporation named as Contractor in the foregoing release; that A.S.MITH who signed said release on behalf of the Contractor was then PRESIDENT of said corporation; release was duly signed for and in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.

[Signature]
Signature



GOVERNMENT OF
THE VIRGIN ISLANDS OF THE UNITED STATES

DEPARTMENT OF PUBLIC WORKS
8244 SUB BASE
ST. THOMAS, V.I. 00802-5805

OFFICE OF
THE COMMISSIONER

Tel: (340) 774-1301
Fax: (340) 774-5869

March 2, 2012

Ms Melisa I. Ridemour
Division Engineer
Eastern Federal Lands Highway Division
21400 Ridgetop Circle
Sterling, VA 20166

RE: Final Acceptance
Project: CT VI 0A30(035) Contract 3 Long Bay

Dear Ms Ridemour:

The Department of Public Works is pleased to advise you that as a result of our joint inspection of the work completed by Island Roads Corporation, the Department wishes to report that the work has been satisfactorily completed in conformity with the plans and specifications provided.

The project is hereby accepted.

Sincerely,

Darryl A. Smalls
Commissioner

DAS/WDB/meh *WDB*

cc: Wystan Benjamin, Highway Program Manager
Marilyn Holmes, Construction Program Manager
Jameel Siddiqui, Construction Operations Engineer EFLHD
Jose David, Project Engineer, EFLHD



U.S. Department
of Transportation
Federal Highway
Administration

Eastern Federal Lands
Highway Division

MAY - 7 2012

21400 Ridgetop Circle
Sterling, VA 20166-6511

In Reply Refer To: HFCO-15

FEDERAL EXPRESS

Mr. Andy Smith
President
Island Roads Corporation
6501 Red Hook Plaza, Suite 201
St. Thomas, VI 00802

Subject: Project No. CT VI-0A30(035) C3; Long Bay Road (Route 30)
Widening and Reconstruction of Route 30, Relocation of Utilities, and Other Work
Project Closeout
Contract No. DTFH71-09-C-00027

Dear Mr. Smith:

We are pleased to advise you that all work performed on the above-referenced project has been satisfactorily completed in substantial conformity with the plans and specifications. Final Acceptance was effective on February 14, 2012, and as of that date you were relieved of further maintenance obligations. Enclosed please find the following documents for the subject project:

- The final estimate (Estimate No. 20)
- Two copies of Form 4220.4, Contractor's Release
- Two copies of Form 1034, Public Voucher for Purchases and Services Other than Personal

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

Sincerely yours,


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

Enclosures



CONSTRUCTION PROJECT MATERIAL CERTIFICATION

State U.S. Virgin Islands

Project No. CT VI 0A30(35) C3

Project name LONG BAY ROAD (ROUTE 30)

Contract No. DTFH71-09-C-00027

Part I - Field Control

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

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

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

Project Engineer *Jose L. David*

Digitally signed by Jose L. David
DN: cn=Jose L. David, email=jose.l.david@dot.gov, c=US
Date: 2012.04.19 15:26:06 -0400

Date 04/19/2012

Construction Operations Engineer JAMEEL A SIDDIQI

Digitally signed by JAMEEL A SIDDIQI
DN: cn=JAMEEL A SIDDIQI, email=jameel.a.siddiqi@dot.gov, c=US
Date: 2012.04.23 15:12:34 -0400

Date 04/23/2012

Part II - Final Review

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

Materials Engineer Michael Dallaire

Digitally signed by Michael Dallaire
DN: cn=Michael Dallaire, email=michael.dallaire@dot.gov, c=US
Date: 2012.04.23 15:12:34 -0400

Date 4/23/12

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

Construction Engineer Thomas J. Scott Jr.

Digitally signed by Thomas J. Scott Jr.
DN: cn=Thomas J. Scott Jr., email=thomas.j.scott@dot.gov, c=US
Date: 2012.04.24 09:10:19 -0400

Date _____

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

batch #
cntrl #

CT VI 0A30(35) C3 - LONG BAY ROAD (ROUTE 30) IMPROVEMENTS - CONTRACT 3 (ARRA)

Widen and reconstruct Long Bay Road (Route 30) with asphalt pavement, relocate utilities, drainage, signal system, street lighting and other miscellaneous work.

TO: Island Roads Corp.
6501 Red Hook Plaza, Ste 201
St. Thomas, VI 00802

CONSTRUCTION SUMMARY

ESTIMATE # 20, final

TOTAL AMOUNT EARNED TO DATE	\$6,116,137.67
ADJUSTMENTS	\$0.00
TOTAL PAYMENTS APPROVED TO DATE	\$6,116,137.67
TOTAL PAYMENTS PREVIOUSLY PAID	\$6,116,137.67
AMOUNT TO BE PAID THIS ESTIMATE	\$0.00

CONTRACT NUMBER: DTFH71-09-C-00027
AWARD DATE: September 22, 2009

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

LENGTH 0.28 miles

This estimate submitted by
Jose David, Project Engineer

*DTFH71-09-C-00027
ESTIMATE # 20, final

ACCOUNT NUMBER	EXPEND	LIQUIDATE	line number
Proj 151578LONGBAY; Org 1578000000; Task 540.00.DT10.78	\$0.00	\$0.00	
Proj 151578LONGBAY; Org 1578000000; Task R40.00.6320.78	\$0.00	\$0.00	
TOTAL	\$0.00	\$0.00	

James Siddiqi date: 5/24/12
James Siddiqi, Construction Operations Engineer

Thomas J. Scott date: 4/6/12
Thomas J. Scott, Construction Engineer

Teresa Daniel date: 4/6/12
Teresa Daniel, Financial Manager
Certify funds available

CT VI 0A30(35) C3 - LONG BAY ROAD (ROUTE 30)
IMPROVEMENTS - CONTRACT 3 (ARRA) ESTIMATE # 20, final

ITEM NO.	DESCR.	CONTRACTED				ESTIMATED			PROBABLES OVER				
		QUANTITY	CM	AMENDED UNIT	UNIT PRICE	AMOUNT	CURRENT	PREVIOUS TO DATE	AMOUNT	QUANTITY	AMOUNT	ANTI	
Schedule A													
15101-0000	MOBILIZATION	100,000		100,000 LPSM	\$550,000.00	\$550,000.00	0.000	100,000	100,000	\$550,000.00	100,000	\$550,000.00	0
15201-0000	CONSTRUCTION SURVEY AND STAKING	100,000		100,000 LPSM	\$27,500.00	\$27,500.00	0.000	100,000	100,000	\$27,500.00	100,000	\$27,500.00	0
15401-0000	CONTRACTOR TESTING	100,000		100,000 LPSM	\$30,000.00	\$30,000.00	0.000	100,000	100,000	\$30,000.00	100,000	\$30,000.00	0
15705-0100	SOIL EROSION CONTROL, SILT FENCE (WIRE BACKED); quantity per CM #004, SOIL EROSION CONTROL, INLET PROTECTION TYPE A; quantity per CM #004, 04/24/12	1300,000	-1300,000	0.000 LNFT	\$6.00	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
15706-1100	SOIL EROSION CONTROL, INLET PROTECTION TYPE A; quantity per CM #004, 04/24/12	12,000	-12,000	0.000 EACH	\$550.00	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
15801-0000	WATERING FOR DUST CONTROL (1000 gal per mgal)	120,000		120,000 MGAL	\$100.00	\$12,000.00	0.000	120,000	120,000	\$12,000.00	120,000	\$12,000.00	0
20102-0000	CLEARING AND GRUBBING	100,000		100,000 LPSM	\$1,100.00	\$1,100.00	0.000	100,000	100,000	\$1,100.00	100,000	\$1,100.00	0
20202-1000	REMOVAL, INDIVIDUAL TREE; quantity per CM #004, 04/25/12	40,000	6,000	46,000 EACH	\$1,650.00	\$75,900.00	0.000	46,000	46,000	\$75,900.00	46,000	\$75,900.00	0
20301-0900	REMOVAL OF FIRE HYDRANT (UTILITY)	2,000		2,000 EACH	\$1,100.00	\$2,200.00	0.000	2,000	2,000	\$2,200.00	2,000	\$2,200.00	0
20301-1400	REMOVAL OF INLET	7,000		7,000 EACH	\$1,100.00	\$7,700.00	0.000	7,000	7,000	\$7,700.00	7,000	\$7,700.00	0
20301-2400	REMOVAL OF SIGN; quantity per CM #004, 04/25/12	4,000	3,000	7,000 EACH	\$110.00	\$770.00	0.000	7,000	7,000	\$770.00	7,000	\$770.00	0
20301-2700	REMOVAL OF STRUCTURE, BUS SHELTER	1,000		1,000 EACH	\$2,200.00	\$2,200.00	0.000	1,000	1,000	\$2,200.00	1,000	\$2,200.00	0
20302-0100	REMOVAL OF BOX CULVERT; quantity per CM #004, 04/25/12	52,000	9,000	61,000 LNFT	\$165.00	\$10,065.00	0.000	61,000	61,000	\$10,065.00	61,000	\$10,065.00	0
20302-0200	REMOVAL OF CURB, CONCRETE (AND GUTTER); quantity per CM #004, 04/25/12	500,000	770,000	1270,000 LNFT	\$22.00	\$27,940.00	0.000	1270,000	1270,000	\$27,940.00	1270,000	\$27,940.00	0
20302-0900	REMOVAL OF FENCE, CHAIN LINK; quantity per CM #004, 04/25/12	1000,000	-1000,000	0.000 LNFT	\$5.00	\$0.00	0.000	0.000	0.000	\$0.00	0.000	\$0.00	0
20302-2100	REMOVAL OF PIPE CULVERT; quantity per CM #004, 04/25/12	100,000	-74,000	26,000 LNFT	\$55.00	\$1,430.00	0.000	26,000	26,000	\$1,430.00	26,000	\$1,430.00	0
20302-2300	REMOVAL OF WATERLINE (SALT WATER); quantity per CM #004, 04/25/12	1225,000	-1051,000	174,000 LNFT	\$33.00	\$5,742.00	0.000	174,000	174,000	\$5,742.00	174,000	\$5,742.00	0
20303-1600	REMOVAL OF PAVEMENT, ASPHALT; quantity per CM #004, 04/25/12	4500,000	469,880	4969,880 SQYD	\$30.00	\$149,096.40	0.000	4969,880	4969,880	\$149,096.40	4969,880	\$149,096.40	0
20303-2300	REMOVAL OF PAVEMENT, CONCRETE; quantity decrease 3568 per CM #003, 02/03/12; quantity decrease 521.14 per CM #004, 04/25/12	4500,000	-4089,140	410,860 SQYD	\$35.00	\$14,380.10	0.000	410,860	410,860	\$14,380.10	410,860	\$14,380.10	0
20303-3200	REMOVAL OF SIDEWALK, CONCRETE; quantity per CM #004, 04/25/12	1400,000	632,090	2032,090 SQYD	\$20.00	\$40,641.80	0.000	2032,090	2032,090	\$40,641.80	2032,090	\$40,641.80	0
20303-3600	REMOVAL OF WALL; quantity per CM #004, 04/25/12	780,000	-199,300	580,700 SQYD	\$27.50	\$15,969.25	0.000	580,700	580,700	\$15,969.25	580,700	\$15,969.25	0

CT VI 0A30(35) C3 - LONG BAY ROAD (ROUTE 30)
IMPROVEMENTS - CONTRACT 3 (ARRA) ESTIMATE # 20, final

ITEM NO.	DESCR.	CONTRACTED			ESTIMATED			PROBABLES	
		QUANTITY	CM	AMENDED UNIT PRICE	CURRENT PREVIOUS TO DATE	AMOUNT	QUANTITY	AMOUNT	OVER
20315-0000	SAWCUTTING PAVEMENT; quantity per CM #004, 04/25/12	200.000	603.000	803.000 LNFT	0.000	\$8,833.00	803.000	\$8,833.00	0
20401-0000	ROADWAY EXCAVATION; quantity per CM #004, 04/25/12	3750.000	-1379.660	2370.340 CUYD	0.000	\$177,775.50	2370.340	\$177,775.50	0
20701-1200	EARTHWORK GEOTEXTILE, TYPE IV-A; quantity per CM #004, 04/25/12	55.000	94.450	149.450 SQYD	0.000	\$4,483.50	149.450	\$4,483.50	0
25101-3000	PLACED RIPRAP, CLASS 3; quantity per CM #004, 04/25/12	40.000	6.300	46.300 CUYD	0.000	\$12,732.50	46.300	\$12,732.50	0
30101-4000	AGGREGATE BASE GRADING C OR D; quantity per CM #004, 04/25/12	3300.000	1700.000	5000.000 TON	0.000	\$375,000.00	5000.000	\$375,000.00	0
40201-0800	HOT ASPHALT CONCRETE PAVEMENT; MARSHALL TEST, CLASS B, GRADING C; quantity per CM #004, 04/25/12	2950.000	-525.780	2424.220 TON	0.000	\$666,660.50	2424.220	\$666,660.50	0
40301-1300	HOT ASPHALT CONCRETE PAVEMENT; MARSHALL TEST, CLASS A, GRADING E, TYPE 3 PAVEMENT SMOOTHNESS; quantity per CM #004, 04/25/12	1000.000	322.120	1322.120 TON	0.000	\$363,583.00	1322.120	\$363,583.00	0
50102-0100	PLAIN RIGID PAVEMENT; 6-INCH DEPTH, TYPE A SMOOTHNESS; quantity per CM #004, 04/25/12	40.000	85.880	125.880 SQYD	0.000	\$16,616.16	125.880	\$16,616.16	0
55201-0200	STRUCTURAL CONCRETE, CLASS A (4E) (FOR HEADWALL FOR 8 FOOT X 3 FOOT BOX CULVERT); quantity per CM #004, 04/25/12	5.000	1.090	6.090 CUYD	0.000	\$8,038.80	6.090	\$8,038.80	0
55201-0200	STRUCTURAL CONCRETE, CLASS A (4E) (UTILITY); quantity per CM #004, 04/25/12	6.000	-4.220	1.780 CUYD	0.000	\$2,349.60	1.780	\$2,349.60	0
55401-1000	REINFORCING STEEL; quantity increase 500 per CM #0002, 09/07/10; quantity decrease 257.18 per CM #004, 04/25/12	300.000	242.820	542.820 LB	0.000	\$5,971.02	542.820	\$5,971.02	0
60102-0000	CONCRETE, REINFORCED BLOCK WALL; quantity per CM #004, 04/25/12	500.000	112.300	612.300 SQYD	0.000	\$45,922.50	612.300	\$45,922.50	0
60201-0400	12-INCH PIPE CULVERT; quantity per CM #004, 04/25/12	200.000	-76.000	124.000 LNFT	0.000	\$27,280.00	124.000	\$27,280.00	0
60201-0500	15-INCH PIPE CULVERT; quantity per CM #004, 04/25/12	224.000	-104.000	120.000 LNFT	0.000	\$33,000.00	120.000	\$33,000.00	0
60201-0600	18-INCH PIPE CULVERT; quantity per CM #004, 04/25/12	300.000	84.000	384.000 LNFT	0.000	\$126,720.00	384.000	\$126,720.00	0
60201-0800	24-INCH PIPE CULVERT; quantity per CM #004, 04/25/12	90.000	-44.670	45.330 LNFT	0.000	\$24,931.50	45.330	\$24,931.50	0

CT VI 0A30(35) C3 - LONG BAY ROAD (ROUTE 30)
IMPROVEMENTS - CONTRACT 3 (ARRA) ESTIMATE # 20, final

ITEM NO.	DESCR.	CONTRACTED			ESTIMATED		PROBABLES OVER	
		QUANTITY	CM	AMENDED UNIT PRICE	CURRENT PREVIOUS TO DATE	AMOUNT	QUANTITY	AMOUNT
60220-1750	8 FEET SPAN, 3 FEET RISE PRECAST REINFORCED CONCRETE BOX CULVERT; quantity per CM #004, 04/25/12	80.000	11.000	91.000 LNFT	0.000	91.000	91.000	\$140,140.00
60401-1000	MANHOLE, TYPE 1; quantity per CM #004, 04/25/12	3.000	-3.000	0.000 EACH	0.000	0.000	0.000	\$0.00
60401-3000	MANHOLE, TYPE 3; quantity per CM #004, 04/25/12	4.000	-4.000	0.000 EACH	0.000	0.000	0.000	\$0.00
60401B	CM #0002, 09/07/10; MANHOLE, ELECTRICAL	4.000	4.000	4.000 EACH	0.000	4.000	4.000	\$110,000.00
60401B	CM #0002, 09/07/10; MANHOLE, UH-3	13.000	13.000	13.000 EACH	0.000	13.000	13.000	\$260,000.00
60404-0000	CATCH BASIN (TYPE 2-2B)	1.000	1.000	1.000 EACH	0.000	1.000	1.000	\$6,600.00
60404-0000	CATCH BASIN (TYPE 5)	1.000	1.000	1.000 EACH	0.000	1.000	1.000	\$4,400.00
60404-3000	CATCH BASIN, TYPE 3; quantity per CM #004, 04/25/12	8.000	5.000	13.000 EACH	0.000	13.000	13.000	\$57,200.00
46	MANHOLE ADJUSTMENT							
60405-0000	(RECONSTRUCT); quantity per CM #004, 04/25/12	5.000	3.000	8.000 EACH	0.000	8.000	8.000	\$4,400.00
60405-0000	MANHOLE ADJUSTMENT; quantity per CM #004, 04/25/12	20.000	-3.000	17.000 EACH	0.000	17.000	17.000	\$9,350.00
60407-0000	CAPPING INLETS AND MANHOLES (UTILITY)	1.000		1.000 EACH	0.000	1.000	1.000	\$2,200.00
60413-0000	TRENCH DRAIN; quantity per CM #004, 04/25/12	35.000	4.000	39.000 LNFT	0.000	39.000	39.000	\$27,885.00
60901-1700	CURB, CONCRETE, 18-INCH DEPTH; quantity per CM #004, 04/25/12	1300.000	226.800	1526.800 LNFT	0.000	1526.800	1526.800	\$122,144.00
60902-1300	CURB AND GUTTER, CONCRETE, 15-INCH DEPTH; quantity increase 120 per CM #0002, 09/07/10; quantity increase 167.39 per CM #004, 04/24/12	2450.000	287.390	2737.390 LNFT	0.000	2737.390	2737.390	\$218,991.20
61102-0450	3/4-INCH WATERLINE, POLYVINYL CHLORIDE (PVC) SCHEDULE 80 (UTILITY); quantity per CM #004, 04/25/12	10.000	-10.000	0.000 LNFT	0.000	0.000	0.000	\$0.00
61102-0700	1-INCH WATERLINE, POLYVINYL CHLORIDE (PVC) SCHEDULE 80 (UTILITY); quantity per CM #004, 04/25/12	35.000	79.000	114.000 LNFT	0.000	114.000	114.000	\$12,540.00

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IMPROVEMENTS - CONTRACT 3 (ARRA) ESTIMATE # 20, final

ITEM NO.	DESCR.	CONTRACTED			ESTIMATED			PROBABLES OVER	
		QUANTITY	CM	AMENDED UNIT PRICE	AMOUNT	CURRENT	PREVIOUS TO DATE	AMOUNT	ANTI
61102-2750	4-INCH WATERLINE, DUCTILE IRON (UTILITY); quantity per CM #004, 04/25/12	30.000	-30.000	0.000 LNFT	\$220.00	\$0.00	0.000	0.000	\$0.00 0
61102-3000	6-INCH WATERLINE, DUCTILE IRON (UTILITY); quantity per CM #004, 04/25/12	20.000	-20.000	0.000 LNFT	\$330.00	\$0.00	0.000	0.000	\$0.00 0
61102-3250	8-INCH WATERLINE, DUCTILE IRON (UTILITY); quantity per CM #004, 04/25/12	150.000	98.500	248.500 LNFT	\$440.00	\$109,340.00	248.500	\$109,340.00	0
61104-0400	VALVE, GATE W/ CURB STOP (UTILITY); quantity per CM #004, 04/25/12	1.000	1.000	2.000 EACH	\$1,100.00	\$2,200.00	2.000	\$2,200.00	0
61104-0700	VALVE, GATE, 4-INCH (UTILITY); quantity per CM #004, 04/25/12	1.000	-1.000	0.000 EACH	\$1,100.00	\$0.00	0.000	\$0.00	0
61107-0000	WATER METER (UTILITY); quantity per CM #004, 04/25/12	4.000	-1.000	3.000 EACH	\$2,200.00	\$6,600.00	3.000	\$6,600.00	0
61108-1000	ADJUST WATER VALVE (UTILITY); quantity per CM #004, 04/25/12	2.000	4.000	6.000 EACH	\$385.00	\$2,310.00	6.000	\$2,310.00	0
61109-4000	RELOCATE FIRE HYDRANT	1.000		1.000 EACH	\$3,300.00	\$3,300.00	1.000	\$3,300.00	0
61202-4000	21-INCH SEWER LINE, PLASTIC; quantity per CM #004, 04/25/12	30.000	-15.000	15.000 LNFT	\$550.00	\$8,250.00	15.000	\$8,250.00	0
61501-0100	SIDEWALK, CONCRETE; quantity increase 80 per CM #0002, 09/07/10; quantity decrease 167.69 per CM #004, 04/25/12	1900.000	-87.690	1812.310 SQYD	\$85.00	\$154,046.35	1812.310	\$154,046.35	0
61504-1000	ACCESSIBILITY RAMP, CONCRETE; quantity per CM #004, 04/25/12	40.000	21.190	61.190 SQYD	\$200.00	\$12,238.00	61.190	\$12,238.00	0
61921-1000	REMOVE AND RESET FENCE (CHAIN LINK); quantity per CM #004, 04/25/12	22.000	-22.000	0.000 LNFT	\$150.00	\$0.00	0.000	\$0.00	0
61921-1000	REMOVE AND RESET FENCE (DECORATIVE W/ PILLARS); quantity per CM #004, 04/25/12	200.000	-101.280	98.720 LNFT	\$165.00	\$16,288.80	98.720	\$16,288.80	0
62405-0100	PLACING CONSERVED TOPSOIL, 2-INCH DEPTH; quantity per CM #004, 04/25/12	1700.000	-1400.000	300.000 SQYD	\$16.00	\$4,800.00	300.000	\$4,800.00	0
62502-0000	TURF ESTABLISHMENT; quantity per CM #004, 04/25/12	1700.000	-1700.000	0.000 SQYD	\$16.00	\$0.00	0.000	\$0.00	0
62630-0200	PLANTINGS, SEEDLINGS, BALLED AND BURLAPPED; quantity per CM #004, 04/25/12	6.000	-6.000	0.000 EACH	\$440.00	\$0.00	0.000	\$0.00	0

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ITEM NO.	DESCR.	CONTRACTED				ESTIMATED		PROBABLES OVER			
		QUANTITY	CM	AMENDED UNIT	UNIT PRICE	AMOUNT	CURRENT PREVIOUS TO DATE	AMOUNT	QUANTITY	AMOUNT	ANT
63304-0900	SIGNS, ALUMINUM PANELS, TYPE 3 SHEETING; quantity per CM #004, 04/25/12	130.000	76.000	206.000	SQFT	\$85.00	\$17,510.00	0.000	206.000	\$17,510.00	0
63401-1500	PAVEMENT MARKINGS, TYPE H, SOLID; quantity per CM #004, 04/25V12	2000.000	2175.000	4175.000	LNFT	\$4.00	\$16,700.00	0.000	4175.000	\$16,700.00	0
63401-1600	PAVEMENT MARKINGS, TYPE H, BROKEN; quantity per CM #004, 04/25/12	2300.000	505.000	2805.000	LNFT	\$4.00	\$11,220.00	0.000	2805.000	\$11,220.00	0
63403-0800	PAVEMENT MARKINGS, TYPE H (ARROW/WORD); quantity per CM #004, 04/25/12	360.000	456.000	816.000	SQFT	\$25.00	\$20,400.00	0.000	816.000	\$20,400.00	0
63502-1300	TEMPORARY TRAFFIC CONTROL, DRUM; quantity per CM #004, 04/25/12	20.000	-20.000	0.000	EACH	\$165.00	\$0.00	0.000	0.000	\$0.00	0
63502-1700	TEMPORARY TRAFFIC CONTROL, WARNING LIGHT TYPE C; quantity per CM #004, 04/25/12	18.000	-18.000	0.000	EACH	\$220.00	\$0.00	0.000	0.000	\$0.00	0
63502-2000	TEMPORARY TRAFFIC CONTROL, PORTABLE CHANGEABLE MESSAGE SIGN	2.000		2.000	EACH	\$33,000.00	\$66,000.00	0.000	2.000	\$66,000.00	0
63503-0450	TEMPORARY TRAFFIC CONTROL, WATER-FILLED BARRIER	2800.000		2800.000	LNFT	\$55.00	\$154,000.00	0.000	2800.000	\$154,000.00	0
63503-0550	TEMPORARY TRAFFIC CONTROL, MOVING WATER-FILLED BARRIER; quantity per CM #004, 04/25/12	3300.000	2167.000	5467.000	LNFT	\$22.00	\$120,274.00	0.000	5467.000	\$120,274.00	0
63503-0700	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKINGS; quantity per CM #004, 04/25/12	17000.000	-2883.980	14116.020	LNFT	\$2.00	\$28,232.04	0.000	14116.020	\$28,232.04	0
63503-0800	TEMPORARY TRAFFIC CONTROL, PAVEMENT MARKING REMOVAL; quantity per CM #004, 04/25/12	17000.000	-15400.000	1600.000	LNFT	\$5.00	\$8,000.00	0.000	1600.000	\$8,000.00	0
63504-1000	TEMPORARY TRAFFIC CONTROL, CONSTRUCTION SIGN; quantity per CM #004, 04/25/12	110.000	-60.020	49.980	SQFT	\$55.00	\$2,748.90	0.000	49.980	\$2,748.90	0
63506-0400	TEMPORARY TRAFFIC CONTROL, POLICE OFFICER; quantity per CM #004, 04/25/12	670.000	-670.000	0.000	HOUR	\$66.00	\$0.00	0.000	0.000	\$0.00	0
63506-0500	TEMPORARY TRAFFIC CONTROL, FLAGGER; quantity per CM #004, 04/25/12	950.000	-125.000	825.000	HOUR	\$13.40	\$11,055.00	0.000	825.000	\$11,055.00	0
63601-1000	SYSTEM INSTALLATION, TRAFFIC SIGNAL (DESIGN \ BUILD)	100.000		100.000	LPSM	\$200,000.00	\$200,000.00	0.000	100.000	\$200,000.00	0
63601-2000	SYSTEM INSTALLATION, LIGHTING	100.000		100.000	LPSM	\$200,000.00	\$200,000.00	0.000	100.000	\$200,000.00	0

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ITEM NO.	DESCR.	CONTRACTED			AMOUNT	ESTIMATED			PROBABLES OVER				
		QUANTITY	CM	AMENDED UNIT		UNIT PRICE	CURRENT	PREVIOUS	TO DATE	AMOUNT	QUANTITY	AMOUNT	ANT
63603A	CM #0002, 09/07/10; TRANSFORMER PADS CM #0002, 09/07/10; CONDUIT, 3-INCH, SCHEDULE 40) COMPLETE WITH TRENCHING CONCRETE ENHANCEMENT, WARNING TAPE AND BACKFILL (1480 LNFT); quantity increase 2848.12 per CM #004, 04/25/12	4,000	4,000	EACH	\$3,420.00	\$13,680.00	0.000	4,000	4,000	\$13,680.00	4,000	\$13,680.00	0
63606G		4328.120	4328.120	LNFT	\$30.00	\$129,843.60	0.000	4328.120	4328.120	\$129,843.60	4328.120	\$129,843.60	0
63607	CM #0002, 09/07/10; JN. 4 AWG COPPER STRANDED XLP CONDUCTOR (200 LNFT); quantity decrease 95 per CM #004, 04/25/12	105,000	105,000	LNFT	\$3.80	\$399.00	0.000	105,000	105,000	\$399.00	105,000	\$399.00	0
63610-1600	CONDUIT, 2-INCH, PVC; quantity per CM #004, 04/25/12	2543.000	112.180	2655.180	LNFT	\$80.00	\$212,414.40	0.000	2655.180	\$212,414.40	2655.180	\$212,414.40	0
63610-2200	CONDUIT, 3-INCH, PVC (SCHEDULE 80); quantity per CM #004, 04/25/12	575.000	495.000	80.000	LNFT	\$90.00	\$7,200.00	0.000	80.000	\$7,200.00	80.000	\$7,200.00	0
63610-2800	CONDUIT, 4-INCH, PVC (SCHEDULE 80) (UTILITY); quantity per CM #004, 04/25/12	1490.000	1490.000	0.000	LNFT	\$100.00	\$0.00	0.000	0.000	\$0.00	0.000	\$0.00	0
63610-2800	CONDUIT, 4-INCH, PVC (SCHEDULE 40); quantity per CM #004, 04/25/12	70.000	42.000	112.000	LNFT	\$100.00	\$11,200.00	0.000	112.000	\$11,200.00	112.000	\$11,200.00	0
63610-2800	CM #0002, 09/07/10; CONDUIT, 4-INCH, PVC (SCHEDULE 40) COMPLETE WITH TRENCHING CONCRETE ENHANCEMENT, WARNING TAPE AND BACKFILL (6080 LNFT); quantity decrease 1070.98 per CM #004, 04/25/12	5009.020	5009.020	5009.020	LNFT	\$33.33	\$166,950.64	0.000	5009.020	\$166,950.64	5009.020	\$166,950.64	0
63610-3200	CONDUIT, 6-INCH, PVC (SCHEDULE 40); quantity per CM #004, 04/25/12	70.000	178.000	248.000	LNFT	\$130.00	\$32,240.00	0.000	248.000	\$32,240.00	248.000	\$32,240.00	0
63610-3200	CONDUIT, 6-INCH, PVC (SCHEDULE 80); quantity per CM #004, 04/25/12	70.000	-70.000	0.000	LNFT	\$130.00	\$0.00	0.000	0.000	\$0.00	0.000	\$0.00	0
63610-3200	CM #0002, 09/07/10; CONDUIT, 6-INCH, PVC (SCHEDULE 40) COMPLETE WITH TRENCHING CONCRETE ENHANCEMENT, WARNING TAPE AND BACKFILL (7000 LNFT); quantity decrease 1467.9 per CM #004, 04/25/12	5532.100	5532.100	5532.100	LNFT	\$43.33	\$239,705.89	0.000	5532.100	\$239,705.89	5532.100	\$239,705.89	0
63621-1000	UTILITY BOX, PULLBOX; quantity per CM #004, 04/25/12	7.000	6.000	13.000	EACH	\$825.00	\$10,725.00	0.000	13.000	\$10,725.00	13.000	\$10,725.00	0

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ITEM NO.	DESCR.	QUANTITY			CONTRACTED			ESTIMATED			PROBABLES OVER		
		CM	AMENDED	UNIT PRICE	AMOUNT	CURRENT	PREVIOUS	TO DATE	AMOUNT	QUANTITY	AMOUNT	AMOUNT	ANTI
63621-3000	UTILITY BOX, JUNCTION BOX (HANDHOLE) (UTILITY)		2,000	EACH	\$20,000.00	0.000	2,000	2,000	\$40,000.00	2,000	\$40,000.00	0	
63623-1000	MANHOLE, ELECTRICAL (RELOCATE) (UTILITY); quantity per CM #004, 04/25/12		1,000	EACH	\$27,500.00	0.000	0,000	0,000	\$0.00	0,000	\$0.00	0	
63701-0000	FIELD OFFICE		1,000	EACH	\$44,000.00	0.000	1,000	1,000	\$44,000.00	1,000	\$44,000.00	0	
64501-0000	LOCATE UTILITIES		100,000	LPSM	\$11,000.00	0.000	100,000	100,000	\$11,000.00	100,000	\$11,000.00	0	
64602-2000	BUILDING, SUPPORT BUILDING (Bis Shelter)		100,000	LPSM	\$55,000.00	0.000	100,000	100,000	\$55,000.00	100,000	\$55,000.00	0	
63610-3200	CM #0002, 09/07/10; CONTRACT MODIFICATION WORK (SECONDARY RISER CONCRETE ENCASEMENT)	4,000	4,000	EACH	\$1,430.00	0.000	4,000	4,000	\$5,720.00	4,000	\$5,720.00	0	
63610-3200	MODIFICATION WORK (3/8" GROUND ROD)	17,000	17,000	EACH	\$40.00	0.000	17,000	17,000	\$680.00	17,000	\$680.00	0	
63610-3200	CM #0002, 09/07/10; CONTRACT MODIFICATION WORK (SECONDARY RISER CONCRETE)	4,000	4,000	EACH	\$1,430.00	0.000	4,000	4,000	\$5,720.00	4,000	\$5,720.00	0	
63610-3200	CM #0002, 09/07/10; CONTRACT MODIFICATION WORK (CONDUIT, 3 INCH, RIGID) (180 EACHH); quantity decreased 180 per CM #004, 04/25/12												
66601-0000	CM #003, 02/03/12; CONTRACT MODIFICATION WORK (ADDITIONAL COST ASSOCIATED WITH THE FHWA FIELD OFFICE)	0,000	0,000	EACH	\$90.00	0.000	0,000	0,000	\$0.00	0,000	\$0.00	0	
66601-0000	CM #003, 02/03/12; CONTRACT MODIFICATION WORK (DESIGN CHANGES TO TRAFFIC SIGNAL AND STREET LIGHTING SYSTEMS)	100,000	100,000	LPSM	\$56,000.00	0.000	100,000	100,000	\$56,000.00	100,000	\$56,000.00	0	
66606-0000	CM #003, 02/03/12; CONTRACT MODIFICATION WORK (STRUCTURAL CONCRETE CLASS A(A/E) FOR REINFORCED CONCRETE RETAINING WALL)	100,000	100,000	LPSM	\$20,567.76	0.000	100,000	100,000	\$20,567.76	100,000	\$20,567.76	0	
		20,603	20,603	CUYD	\$1,320.00	0.000	20,603	20,603	\$27,195.96	20,603	\$27,195.96	0	

CT VI 0A30(35) C3 - LONG BAY ROAD (ROUTE 30) □IMPROVEMENTS - CONTRACT 3 (ARRA)ESTIMATE # 20, final

CONSTRUCTION		BID	TO DATE	PROBABLE
CONTRACT		\$5,537,155.00	\$6,116,137.67	\$6,116,137.67
DBE INCENTIVE		\$0.00	\$0.00	\$0.00
QUALITY INCENTIVE		\$0.00	\$0.00	\$0.00
SMOOTHNESS INCENTIVE		\$0.00	\$0.00	\$0.00
TOTAL		\$5,537,155.00	\$6,116,137.67	\$6,116,137.67
FUNDS AUTHORIZED				
Proj Acct		Proj 151578LONGBAY; Org 1578000000; Task 540.00.DT10.78		
		\$5,537,155.00	\$5,537,155.00	\$5,537,155.00
Proj 151578LONGBAY; Org 1578000000; Task R40.00.6320.78				
TOTAL		\$963,900.12	\$578,982.67	07/07/10 pr 090 underground utility wk (CM #0002)+CM#003
BALANCE OR DEFICIT		\$0.00	\$384,917.45	\$0.00
CONSTRUCTION ENGINEERING		AUTHORIZED	TO DATE	PROBABLE
TOTAL-ALL WORK CODES		\$0.00	\$853,606.67	\$860,000.00
				14.06%
C E BREAKDOWN		FUNCTION C	FUNCTION I	FUNCTION M
*TO DATE AUTHORIZED				
EXPENDED		\$731,137.85		\$5,397.42
PROBABLE		\$737,428.60	\$0.00	\$5,500.00
EXPENDED PER DELPHI REPORTS AS OF 04/12/12 & PP 05				
*CE AUTH. PER DELPHI				
DELPHI CE ACCOUNT NUMBERS		Proj 151578LONGBAY; Org 1578000000; Task 520.C0.TY30.78		
ACCOUNT NUMBER FOR PYRL:				
TOTAL INCREASE DUE TO CMS		\$1,631,738.13		
TOTAL DECREASE DUE TO CMS		-\$1,052,755.46		
TOTAL INCREASE DUE TO OVERRUNS		\$0.00		
TOTAL DECREASE DUE TO OVERRUNS		\$0.00		
CM #0001, 09/30/09; ARRA		\$0.00		
CM #0002, 09/07/10; appro 6320		\$985,016.40		
CM #003, 02/03/12; appro 6320		-\$21,116.28		
CM #004, 04/25/12; appro 6320		-\$384,917.45		
contract award amount		\$5,537,155.00		
contract amount with CMs		\$6,116,137.67		

FISCAL DATA RECORD

project VI 0A 30(035)CONTRACT 3, LONG BAY

CONTRACT DTFH71-09-C-00027
with ISLAND ROADS CORPORATION

disbursements to:

BANK

CITY, STATE ZIP

ABA #

(ACCT.NO.) ACCOUNT NAME

CURRENT PROBABLES \$ 6,116,137.67
% TIME COMPLETE 100.00%
%WORK COMPLETE 100.00%

Proj 151578LONGBAY; Org 1578000000; Task 540.00.DT10.78

Proj 151578LONGBAY; Org 1578000000; Task R40.00.6320.78

Date	Explanation	Disbursed	Allotment	Obligated	Liquidated	Unliq. Bal.	Unoblig. Bal.
06/26/09			\$6,400,000.00 (\$862,845.00)			\$0.00	\$6,400,000.00
09/22/09	contract award amount no incentives			\$5,537,155.00		\$0.00	\$5,537,155.00
09/30/09	CM #0001, ARRA					\$5,537,155.00	\$0.00
01/01/10	est 01	\$546,942.00			\$546,942.00	\$4,990,213.00	\$0.00
02/04/10	est 02	\$186,190.35			\$186,190.35	\$4,804,022.65	\$0.00
03/08/10	est 03	\$646,505.70			\$646,505.70	\$4,157,516.95	\$0.00
04/05/10	est 04	\$564,428.67			\$564,428.67	\$3,593,088.28	\$0.00
05/04/10	est 05	\$463,414.16			\$463,414.16	\$3,129,674.12	\$0.00
06/07/10	est 06	\$117,233.40			\$117,233.40	\$3,012,440.72	\$0.00
07/06/10	est 07	\$90,745.20			\$90,745.20	\$2,921,695.52	\$0.00
07/06/10	PR 090 \$985,016.40 underground utility work					\$2,921,695.52	\$0.00
	Proj 151578LONGBAY; Org 1578000000; Task 540.00.6320.78					\$2,921,695.52	\$0.00
08/09/10	est 08	\$177,982.10			\$177,982.10	\$2,743,713.42	\$0.00
09/02/10	est 09	\$167,167.25			\$167,167.25	\$2,576,546.17	\$0.00
09/07/10	CM #0002 \$985,016.40 APPRO 6320.78		\$985,016.40	\$985,016.40		\$3,561,562.57	\$0.00
10/07/10	est 10	\$525,613.76			\$525,613.76	\$3,035,948.81	\$0.00
11/01/10	est 11	\$162,206.79			\$162,206.79	\$2,873,742.02	\$0.00
12/07/10	est 12	\$283,370.56			\$283,370.56	\$2,590,371.46	\$0.00
01/06/10	est 13	\$506,751.59			\$506,751.59	\$2,083,619.87	\$0.00
02/14/11	est 14	\$168,565.85			\$168,565.85	\$1,915,054.02	\$0.00
03/09/11	*est 15	\$141,618.28			\$141,618.28	\$1,773,435.74	\$0.00
04/08/11	est 16	\$187,814.95			\$187,814.95	\$1,585,620.79	\$0.00
05/18/11	est 17	\$274,559.62			\$274,559.62	\$1,311,061.17	\$0.00
12/20/11	est 18 ARRA	\$326,044.77			\$326,044.77	\$985,016.40	\$0.00
	est 18 appro 6320	\$362,280.90			\$362,280.90	\$622,735.50	\$0.00
02/03/12	CM #003 plus time and \$-21,116.28				\$21,116.28	\$601,619.22	\$21,116.28
	TO WANDA 02/02/12					\$601,619.22	\$21,116.28
03/19/12	est 19 ARRA	\$0.00			\$0.00	\$601,619.22	\$21,116.28
	est 19 appro 6320	\$216,701.77			\$216,701.77	\$384,917.45	\$21,116.28
04/25/12	CM #004 final quantities				\$384,917.45	\$0.00	\$406,033.73
06/05/12	est 20, final	\$0.00			\$0.00	\$0.00	\$406,033.73
	est 10 int from 6320	\$228.13	\$228.13			\$0.00	\$406,033.73
						\$0.00	\$406,033.73
	*est 15 PAID .03 MORE THAN REQ.					\$0.00	\$406,033.73
						\$0.00	\$406,033.73
	TOTALS	\$6,116,365.80	\$6,522,399.53	\$6,522,171.40	\$6,522,171.40	\$0.00	\$406,033.73

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30) Before After Pictures for final Construction Report



Picture 1. Project official sign, Project Funded by the American Recovery and Reinvestment Act.



Picture 2. Contractor, Island Roads Corporation (IRC) begins project construction with roadway excavation on South side of Long Bay Road (LBR) in front of Yacht Heaven Grande (YHG). Two new paved lanes (on South side of existing roadway), re-route traffic through new lanes, removal and reconstruction of two existing lanes, curb and sidewalk on North side, new concrete curb, sidewalk, bus shelters, landscaped median, underground drainage system, underground utilities relocation, concrete box culvert, traffic signal and street lights systems are to be constructed as part of the Long Bay Road Improvements Project.

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



Picture 3. Contractor, IRC, begins project construction with roadway excavation on South side of LBR in front of YHG. View from station 20+50R looking West



Picture 4. Contractor, IRC, begins project construction with roadway excavation on South side of LBR in front of YHG. View from station 27+70R looking East

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)
Before After Pictures for final Construction Report



Picture 5. Contractor, IRC, begins project construction with roadway excavation on South side of LBR in front of YHG. View from about station 28+00R looking West



Picture 6. Subcontractor, Rinstalling reinforced concrete pipe culverts along the South side of LBR in front of YHG. View from about station 27+70R looking East

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



Picture 7. Station 20+50R (South side of LBR) Contractor, IRC, after removing existing concrete box culvert proceeded to install new precast 8'x3' reinforced concrete box culvert on the South side of LBR



Picture 8. Station 20+50R (South side of LBR) Contractor, IRC, after removing existing concrete box culvert proceeded to install new precast 8'x3' reinforced concrete box culvert on the South side of LBR

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



Picture 9. Station 20+50R (South side of LBR), Contractor, IRC, after removing existing concrete box culvert proceeded to install new precast 8'x3' reinforced concrete box culvert on the South side of LBR with new reinforced concrete wing walls on the outfall (South) side and will be attached to existing 8'x3' RC Box Culvert on the North side



Picture 10. Station 20+50R (South side of LBR), Contractor, IRC, after removing existing concrete box culvert proceeded to install new precast 8'x3' reinforced concrete box culvert on the South side of LBR with new reinforced concrete wing walls on the outfall (South) side and will be attached to existing 8'x3' RC Box Culvert on the North side

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)
Before After Pictures for final Construction Report



Picture 11. Subcontractor, Ri-Tech Inc works on underground drainage and Utility systems along the South side of LBR.



Picture 12, Utility Owners work on underground utilites connecting cables, Swith boxes, risers, service, manholes, etc.

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)
Before After Pictures for final Construction Report



Picture 13. Contractor, IRC, seeing installing new underground communications ductbank below ductile iron waterline and electrical ductbank.



Picture 14. Contractor seeing installing underground conduits for installation of new traffic signal at the main entrance to YHG

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)
Before After Pictures for final Construction Report



Picture 15. Contractor, IRC seeing installing precast reinforced concrete utilities manholes



Picture 16. Subcontractor, Ri-Tech completed curb and gutter along the Right (South) side of LBR in front of YHG. View from about station 27+00 looking East

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30) Before After Pictures for final Construction Report



Picture 17. Subcontractor, Ri-Tech Seeing pouring new type 3 catch basin along the Right (South) side of LBR in front of YHG. View from about station 24+00 looking West



Picture 18. Sucontractor Ri-Tech completed concrete sidewalk, curb and gutter along the South side of LBR and A9 Trucking is seeing placing and compacting aggregate base.

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



Picture 19. Contractor, IRC seeing placing base asphalt pavement along the Right (South) two lanes of LBR in order to relocate traffic to the two new lanes and begin work on the median and Left (North) side of LBR



Picture 20. After relocating traffic to the Right (South) two lanes, Contractor proceeded to remove asphalt pavement, sidewalk, curb and gutter along the Left (North) side of LBR in front of YHG. View from about station 23+00L looking East

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



Picture 21. After relocating traffic to the Right (South) two lanes, Contractor proceeded to remove asphalt pavement, sidewalk, curb and gutter along the Left (North) side of LBR in front of Pearson Gardens Housing Authority Property. View from about station 25+00L looking West



Picture 22. Contractor, IRC seeing removing existing reinforced concrete box culvert on the Left (North) side of LBR at about station 20+50L

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



**Picture 23. IRC works on underground drainage and Utility systems along the North side of LBR.
View from station 20+20L looking East**



**Picture 24. Subcontractor Ri-Tech seeing building concrete curb for middle island on LBR. View
from station 26+35 looking East**

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



Picture 25. Subcontractor Ri-tech seeing relocating the concrete fence for the US VI Police Department Impounding Lot.



Picture 26. Contractor working on the Left (North) side of LBR on construction underground utilities, drainage, Street light and Traffic signal System, concrete curb and gutter, sidewalk, etc.

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30) Before After Pictures for final Construction Report



Picture 27. Subcontractor Ri-Tech seeing building reinforced concrete block wall along the Left (North) side of LBR in front of their front of Pearson Gardens Housing Authority Property



Figure 28. Contractor, IRC, seeing placing Hot Asphalt Concrete Pavement, Marshall Test, Class B, Grading A, (HACP) Binder Course, first 3-inch layer (total 6-inch), on the north lanes (eastbound) of LBR. View from station 24+50L looking West

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



Picture 29. Contractor, IRC, after completion of sidewalk, curb and gutter and new concrete wall proceeded to pave VIPD impounding lot driveway on the Right (South) side of LBR between stations 18+00R and 19+50R



Picture 30. Contractor completed bus shelters along the Right (South) side of LBR view at station 21+50R

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



Picture 31. Completed project. View from the Right (South) side of LBR at station 25+00R looking West



Picture 32. Completed project. View from the Left (North) side of LBR at station 23+00L looking West

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



Picture 33. Completed project. View from the Left (North) side of LBR at station 25+00L looking West



Picture 34. Completed project at the intersection of LBR-Lovers-Lane-Veterans Drive-De Beltjem Rd. View from Lover's Lane looking South to Veterans Drive.

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30) Before After Pictures for final Construction Report



Picture 35. Completed project at the intersection of LBR-Lovers-Lane-Veterans Drive-De Beltjem Rd. View from De Beltjem Rd looking East to LBR.



Picture 36. New Crosswalk requested by the VI Department of Public Works (DPW) at the exit of Pearson Gardens Housing Project station 29+50 and placed by subcontractor Precise Builders

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30)

Before After Pictures for final Construction Report



Picture 37. View of completed project at the Lovers Lane intersection of LBR, Veterans Drive, Lovers Lane and De Beltjem Rd. View from the Right (South) side of LBR station 20+20R looking West



Picture 38. View of completed project East end (Mandela Circle Intersection of Centerline Rd. (CLR), CLR extension, Frenchman Bay Road and LBR) from up the hill above Frenchmans Bay Road looking West

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30) Before After Pictures for final Construction Report



Picture 39. View of completed project West end (Lovers Lane Intersection of Veterans Dr, Lovers Lane, De Beltjem Rd and LBR) from up the hill above Frenchmans Bay Road looking West



Picture 40. View of completed project West end (Lovers Lane Intersection of Veterans Dr, Lovers Lane, De Beltjem Rd and LBR) from up the hill above Frenchmans Bay Road looking West

PROJECT CT VI-0A30(035): LONG BAY ROAD (ROUTE 30) Before After Pictures for final Construction Report



Picture 41. View of completed project West end (Lovers Lane Intersection of Veterans Dr, Lovers Lane, De Beltjem Rd and LBR) from up the hill above De Beltjem Rd looking East