

November 5, 2018

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7596724

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2018-CB-096

FEDERAL-AID PROJECT NO. FAP Nos: BHO-0037(011)

Bridge Group 51A - Rt 37 C-1

Route 37

CITY/TOWN OF Warwick

COUNTY OF KENT

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 3 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. Clarification

1. Contract Notification to Contractors

Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction 2004 Edition (Amended March 2018) and Compilation of Approved Specifications issued September 2018 are applicable to this contract.

B. Specifications - Job Specific

1. Job Specific Index

Delete the Job Specific Index page in its entirety and replace with revised Job Specific Index (R-2) attached to this Addendum No. 3. An item was added to the index.

2. Pages JS-26 and JS-27

Delete the pages JS-26 and JS-27 in their entirety and replace with revised pages JS-26 (R-1) and JS-27 (R-1) attached to this Addendum No. 3. The specification's concrete material for patching was clarified.

3. Pages JS-35, JS-36 and JS-37

Delete the pages JS-35 through JS-37 in their entirety and replace with revised pages JS-35 (R-1) through JS-37 (R-1) attached to this Addendum No. 3. The specification's protective sealer material was clarified.

4. Page JS-55A

Insert page JS-55A in its entirety attached to this Addendum No. 3. A specification for Item 928.9901 Truck Mounted Attenuator With Truck Mounted Flashing Arrow Board has been added to the contract.

C. Distribution of Quantities

1. Index Pages

Delete page Index 1 in its entirety and replace with revised Index 1(R-2) attached to this Addendum No. 3. Items highlighted in bold have been reordered, added or deleted to the contract.

2. Page 5

Delete Page 5 in its entirety and replace with revised Page 5(R-2) attached to this Addendum No. 3. Item No. 928.0800 has been deleted and replaced with Item No. 928.9901.

3. Page 7

Delete Page 7 in its entirety and replace with revised Page 7(R-1) attached to this Addendum No. 3. Item No. 810.0210 has been added and Item No. 928.0800 has been deleted.

D. Other Item Changes

1. 810.0210 - GALVANIZED BAR REINFORCEMENT GRADE 60

Quest Item added.Quantity Updated To "200.00".

2. 928.0800 - TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD

Quest Item Deleted.

3. 928.9901 - TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD

Quest Item Added.Quantity Updated To "808.00".



RI Department of Transportation

Administrator, Division of Project Management

SPECIFICATIONS – JOB SPECIFIC INDEX

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825.9910	Repainting Existing Structural Steel – Bridge No. 063XXX	JS-52
921.9901	Slope Paving Repairs	JS-54
928.9901	Truck Mounted Attenuator with Truck Mounted Flashing Arrow Board	JS-55A
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CODE 817.9902
REPAIRS TO STRUCTURAL CONCRETE MASONRY
(TYPE 2S CONCRETE REPAIR)

DESCRIPTION:

The work included under this code shall consist of making structure concrete masonry repairs to the bridge at locations indicated on the Plans or as directed by the Engineer. Work shall consist of saw cutting; removing and disposing deteriorated concrete; furnishing and installing welded wire fabric, anchors, and supplemental reinforcement repairs as required; preparing bonding surfaces of concrete; installing formwork; replacing the deteriorated concrete with new patching mortar; and finishing and curing to the lines and grades specified at the locations indicated on the Plans, all in accordance with this Specification and/or as may be directed by the Engineer.

This Special Provision is intended to apply to deteriorated concrete removal areas where more than half the reinforcing is exposed, the area is greater than 1 square foot, or the depth of the repair extends beyond the reinforcing steel. The Engineer shall be the sole judge in determining the repair locations. All repairs shall be performed only as directed by the Engineer.

Except as modified in this Special Provision, all work under this item shall be performed in accordance with Section 817 of the Rhode Island Standard Specifications for Road and Bridge Construction, amended 2013, including all the revisions (Standard Specifications).

Related Items of Work Covered Elsewhere. Related items of work covered in other Provisions of these Specifications include the following:

- a. Item 810.9901 – EMBEDDED GALVANIC ANODES

MATERIALS:

Materials shall be in accordance with relevant provisions of Section 601 and Section 606 of the Standard Specifications and as follows:

Class XX Concrete. Except as noted herein, Class XX Concrete shall conform to the requirements of **SECTION 601** of the Standard Specifications. It may be modified to a self-consolidating concrete per Section 606 as warranted by field conditions or means and methods of the contractor.

- a. **Other Requirements.** Class XX Concrete shall also conform to the following additional requirements.
 1. Class XX Concrete shall be accepted as a compatible material by the galvanic anode manufacturer or have specifications demonstrating an electrical resistivity not exceeding of 15,000 ohm-cm or as otherwise required by the galvanic anode manufacturer.

Steel. Except as noted herein, reinforcing steel shall conform to the requirements of **SECTION 810** of the Standard Specifications.

a. Other Requirements. Steel shall also conform to the following additional requirements.

1. All supplemental steel used for reinforcement bar repairs shall be galvanized.

Wire Reinforcement. Wire reinforcement shall be 2"x2" – W1.4xW1.4 (minimum), galvanized, welded wire fabric shall conform to the requirements of Subsection M.05.02 of the Standard Specifications.

Bonding Agents. Except as noted herein, bonding agents shall conform to the requirements of **SECTION 817** of the Standard Specifications.

a. Other Requirements. Bonding Agent shall also conform to the following additional requirements.

1. Bonding agent shall be accepted as a compatible material by the galvanic anode manufacturer or have specifications demonstrating an electrical resistivity not exceeding of 15,000 ohm-cm or as otherwise required by the galvanic anode manufacturer.

CONSTRUCTION METHODS:

Construction shall be in accordance with relevant provisions of Subsection 817.03 of the Standard Specifications except as follows:

Formwork. Forms used for the patching work are to be used where depth of removal exceeds 1½" on vertical or underside surfaces being repaired; as needed to restore existing surfaces; or as needed to support build out repairs. Forms shall be capable of supporting the quantity of fresh concrete needed to install the patch and shall otherwise conform to the applicable requirements of Subsection 808.03.4 of the Standard Specifications.

METHOD OF MEASUREMENT:

Item Code 817.9902 "Repairs to Structural Concrete Masonry (Type 2S Concrete Repair)" will be measured for payment by the "Cubic Feet" of new concrete (exposed surface area) actually placed, in accordance with this Special Provision and elsewhere in the Contract Documents and/or as directed by the Engineer.

BASIS OF PAYMENT:

The accepted quantity of Item Code 817.9902 "Repairs to Structural Concrete Masonry (Type 2S Concrete Repair)" will be paid for at the contract unit price per "Cubic Feet" as listed in the Proposal. The price so stated will constitute full and complete compensation for all labor, tools, materials, tools, equipment, formwork, and all incidentals required to finish the work as described in this Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

CODE 820.9901

PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES

DESCRIPTION:

The work included under this code shall consist of applying a protective coating to concrete surfaces.

Except as modified in this Special Provision, all work under this item shall be performed in accordance with Section 820 of the Rhode Island Standard Specifications for Road and Bridge Construction, amended 2013, including all the revisions (Standard Specifications).

METHOD OF MEASUREMENT:

This item will not be measured for payment.

BASIS OF PAYMENT:

No separate payment will be made for this item. The costs for this work shall be included in the Lump Sum bid price for the respective bridge repair item, Item Code 800.9910 "Repairs to Route 37 Bridge No. 630", Item Code 800.9911 "Repairs to Route 37 Bridge No. 631", Item Code 800.9912 "Repairs to Route 37 Bridge No. 632", Item Code 800.9913 "Repairs to Route 37 Bridge No. 633", Item Code 800.9914 "Repairs to Route 37 Bridge No. 634" or Item Code 800.9915 "Repairs to Route 37 Bridge No. 638". Those costs shall constitute full and complete compensation for all labor, tools, materials, tools, equipment and all incidentals required to finish the work as described in these Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

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CODE 928.9901
TRUCK MOUNTED ATTENUATOR WITH TRUCK
MOUNTED FLASHING ARROW BOARD

The work under this item shall conform to Section 928 of the Standard Specifications revised as follows:

928.01 DESCRIPTION: Add the following:

All reference to the Truck Mounted Attenuator with Truck Mounted Flashing Arrow Board is equivalent to the truck mounted energy-absorbing impact attenuator (TMA) and a truck-mounted flashing arrow board (TMFAB) described in this specification.

928.04 METHOD OF MEASUREMENT. Add the following:

“TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD” will be measured by the number of hours each such assembly is actually employed in the work or as directed by the Engineer.

928.05 BASIS OF PAYMENT. Add the following:

The accepted quantity of “TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD” will be paid for at the contract unit price per hour as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials, equipment, and all incidentals required to finish the work, complete and accepted by the Engineer.

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Project Name - Bridge Group 51A - Rt 37 C-1

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R.I. Contract No. - 2018-CB-096

FAP Nos: BHO-0037(011)

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203.0100	STRUCTURAL EXCAVATION EARTH	1
800.9901	REPAIRS TO ROUTE 37 BRIDGE NO. 630	1
800.9902	REPAIRS TO ROUTE 37 BRIDGE NO. 631	1
800.9903	REPAIRS TO ROUTE 37 BRIDGE NO. 632	1
800.9904	REPAIRS TO ROUTE 37 BRIDGE NO. 633	1
800.9905	REPAIRS TO ROUTE 37 BRIDGE NO. 634	1
800.9906	REPAIRS TO ROUTE 37 BRIDGE NO. 638	1
810.9901	EMBEDDED GALVANIC ANODES	2
817.9901	REPAIRS TO STRUCTURAL CONCRETE MASONRY (TYPE 1 CONCRETE REPAIR)	2
817.9902	REPAIRS TO STRUCTURAL CONCRETE MASONRY (TYPE 2S CONCRETE REPAIR)	2
817.9903	REPAIRS TO STRUCTURAL CONCRETE MASONRY (CLASS HP RESURFACING ENCASEMENT)	2
817.9904	EXPANSION JOINT HEADER REPAIRS WITH POLYMER MORTAR	2
818.9901	UNDERSIDE OF CONCRETE DECK REPAIRS	2
824.9910	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 630	3
824.9911	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 631	3
824.9912	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 632	3
824.9913	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 633	3
825.9904	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL	3
836.0100	STRUCTURAL CONCRETE CRACK REPAIR BY EPOXY-RESIN BASE ADHESIVE INJECTION	4
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936.9901	MOBILIZATION	5
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401.3003	CLASS 9.5 HMA FOR PATCHING	5
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818.9902	PORTLAND CEMENT CONCRETE DECK REPAIRS (FULL DEPTH REMOVAL)	6
916.0600	SHOCK ABSORBING BARRIER MODULES	6
916.0650	REMOVE, RELOCATE AND RESET SHOCK ABSORBING BARRIER MODULES	6
921.9901	SLOPE PAVING REPAIR	6
926.0121	UNANCHORED PRECAST CONCRETE BARRIER FOR TEMPORARY TRAFFIC CONTROL STANDARD 40.5.0	6
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929.0110	FIELD OFFICE	7
932.0100	CUTTING AND MATCHING ASPHALT	7
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Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-1

Estimate Name - 90% Estimate - Addendum 3

R.I. Contract No. - 2018-CB-096

FAP Nos: BHO-0037(011)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
001	203.0100	STRUCTURAL EXCAVATION EARTH	CY			
		ROUTE 37 BRIDGES				
		0		2,153.00	0040	01
Item 203.0100 Total:				2,153.00		
002	800.9901	REPAIRS TO ROUTE 37 BRIDGE NO. 630	LS			
		ROUTE 37 BRIDGE NO. 630				
		0		1.00	0040	01
Item 800.9901 Total:				1.00		
003	800.9902	REPAIRS TO ROUTE 37 BRIDGE NO. 631	LS			
		ROUTE 37 BRIDGE NO. 631				
		0		1.00	0040	01
Item 800.9902 Total:				1.00		
004	800.9903	REPAIRS TO ROUTE 37 BRIDGE NO. 632	LS			
		ROUTE 37 BRIDGE NO. 632				
		0		1.00	0040	01
Item 800.9903 Total:				1.00		
005	800.9904	REPAIRS TO ROUTE 37 BRIDGE NO. 633	LS			
		ROUTE 37 BRIDGE NO. 633				
		0		1.00	0040	01
Item 800.9904 Total:				1.00		
006	800.9905	REPAIRS TO ROUTE 37 BRIDGE NO. 634	LS			
		ROUTE 37 BRIDGE NO. 634				
		0		1.00	0040	01
Item 800.9905 Total:				1.00		
007	800.9906	REPAIRS TO ROUTE 37 BRIDGE NO. 638	LS			
		ROUTE 37 BRIDGE NO. 638				
		0		1.00	0040	01

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-1

Estimate Name - 90% Estimate - Addendum 3

R.I. Contract No. - 2018-CB-096

FAP Nos: BHO-0037(011)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
007	800.9906	Cont.				
		Item 800.9906 Total:		1.00		
008	810.9901	EMBEDDED GALVANIC ANODES	EACH			
		ROUTE 37 BRIDGES				
		0		7,548.00	0040	01
		Item 810.9901 Total:		7,548.00		
009	817.9901	REPAIRS TO STRUCTURAL CONCRETE	CF			
		MASONRY (TYPE 1 CONCRETE REPAIR)				
		ROUTE 37 BRIDGES				
		0		30.00	0040	01
		Item 817.9901 Total:		30.00		
010	817.9902	REPAIRS TO STRUCTURAL CONCRETE	CF			
		MASONRY (TYPE 2S CONCRETE REPAIR)				
		ROUTE 37 BRIDGES				
		0		1,095.00	0040	01
		Item 817.9902 Total:		1,095.00		
011	817.9903	REPAIRS TO STRUCTURAL CONCRETE	CY			
		MASONRY (CLASS HP RESURFACING				
		ENCASEMENT)				
		ROUTE 37 BRIDGES				
		0		326.00	0040	01
		Item 817.9903 Total:		326.00		
012	817.9904	EXPANSION JOINT HEADER REPAIRS	CF			
		WITH POLYMER MORTAR				
		ROUTE 37 BRIDGES				
		0		152.00	0040	01
		Item 817.9904 Total:		152.00		
013	818.9901	UNDERSIDE OF CONCRETE DECK REPAIRS	SF			

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-1

Estimate Name - 90% Estimate - Addendum 3

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FAP Nos: BHO-0037(011)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
013	818.9901 Cont.	ROUTE 37 BRIDGES				
		0		1,598.00	0040	01
				Item 818.9901 Total:	1,598.00	
014	824.9910	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 630	LBS			
		BRIDGE NO. 630				
		0		300.00	0040	01
				Item 824.9910 Total:	300.00	
015	824.9911	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 631	LBS			
		BRIDGE NO. 631				
		0		2,415.00	0040	01
				Item 824.9911 Total:	2,415.00	
016	824.9912	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 632	LBS			
		BRIDGE NO. 632				
		0		4,400.00	0040	01
				Item 824.9912 Total:	4,400.00	
017	824.9913	STEEL BEAM/GIRDER REPAIRS-BRIDGE NO. 633	LBS			
		BRIDGE NO. 633				
		0		3,500.00	0040	01
				Item 824.9913 Total:	3,500.00	
018	825.9904	LOCALIZED PAINT REMOVAL AND FIELD PAINTING OF EXISTING STEEL	SF			
		ROUTE 37 BRIDGES				
		0		2,000.00	0040	01
				Item 825.9904 Total:	2,000.00	

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-1

Estimate Name - 90% Estimate - Addendum 3

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FAP Nos: BHO-0037(011)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
019	836.0100	STRUCTURAL CONCRETE CRACK REPAIR BY EPOXY-RESIN BASE ADHESIVE INJECTION ROUTE 37 BRIDGES	LF			
		0		318.00	0040	01
Item 836.0100 Total:				318.00		
020	922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1 ROUTE 37 BRIDGES	SF			
		0		1,765.00	0040	01
Item 922.0100 Total:				1,765.00		
021	923.0105	DRUM BARRICADE STANDARD 26.2.0 ROUTE 37 BRIDGES	BDAY			
		0		12,940.00	0040	01
Item 923.0105 Total:				12,940.00		
022	923.0120	PLASTIC PIPE BARRICADE STANDARD 26.3.0 ROUTE 37 BRIDGES	EACH			
		0		1.00	0040	01
Item 923.0120 Total:				1.00		
023	923.0200	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0 ROUTE 37 BRIDGES	EACH			
		0		300.00	0040	01
Item 923.0200 Total:				300.00		
024	925.0112	PORTABLE CHANGEABLE MESSAGE SIGN ROUTE 37 BRIDGES	PDAY			
		0		5.00	0040	01

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-1

Estimate Name - 90% Estimate - Addendum 3

R.I. Contract No. - 2018-CB-096

FAP Nos: BHO-0037(011)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
024	925.0112 Cont.					
		Item 925.0112 Total:				**DELETED**
025	928.9901	TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD ROUTE 37 BRIDGES	HRS			
		0		390.00	0040	01
		ROUTE 37 BRIDGES				
		0		808.00	0040	01
		Item 928.9901 Total:		808.00		
026	936.9901	MOBILIZATION ROUTE 37 BRIDGES	LS			
		0		1.00	0040	01
		Item 936.9901 Total:		1.00		
027	937.0200	MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION ROUTE 37 BRIDGES	LS			
		0		1.00	0040	01
		Item 937.0200 Total:		1.00		
028	T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE ROUTE 37 BRIDGES	LF			
		0		80.00	0040	01
		Item T20.2006 Total:		80.00		
029	T20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW ROUTE 37 BRIDGES	LF			
		0		60.00	0040	01
		Item T20.2014 Total:		60.00		

Distribution of Quantities

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FAP Nos: BHO-0037(011)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
030	401.3003	CLASS 9.5 HMA FOR PATCHING	TON			

Distribution of Quantities

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FAP Nos: BHO-0037(011)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
030	401.3003 Cont.	ROUTE 37 BRIDGES				
		0		15.00	0040	01
Item 401.3003 Total:				15.00		
031	813.9901	MEMBRANE WATERPROOFING (WOVEN GLASS FABRIC)	SY			
		ROUTE 37 BRIDGES				
		0		87.00	0040	01
Item 813.9901 Total:				87.00		
032	818.9902	PORTLAND CEMENT CONCRETE DECK REPAIRS (FULL DEPTH REMOVAL)	SF			
		ROUTE 37 BRIDGES				
		0		180.00	0040	01
Item 818.9902 Total:				180.00		
033	916.0600	SHOCK ABSORBING BARRIER MODULES	GRP			
		ROUTE 37 BRIDGES				
		0		8.00	0040	01
Item 916.0600 Total:				8.00		
034	916.0650	REMOVE, RELOCATE AND RESET SHOCK ABSORBING BARRIER MODULES	GRP			
		ROUTE 37 BRIDGES				
		0		8.00	0040	01
Item 916.0650 Total:				8.00		
035	921.9901	SLOPE PAVING REPAIR	SY			
		ROUTE 37 BRIDGES				
		0		150.00	0040	01
Item 921.9901 Total:				150.00		
036	926.0121	UNANCHORED PRECAST CONCRETE	LF			

Distribution of Quantities

Project Name - Bridge Group 51A - Rt 37 C-1

Estimate Name - 90% Estimate - Addendum 3

R.I. Contract No. - 2018-CB-096

FAP Nos: BHO-0037(011)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
036	926.0121	Cont. BARRIER FOR TEMPORARY TRAFFIC CONTROL STANDARD 40.5.0 ROUTE 37 BRIDGES				
		0		860.00	0040	01
Item 926.0121 Total:				860.00		
037	928.0800	TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD ROUTE 37 BRIDGES	PDAY			
		0			0040	01
Item 928.0800 Total:				**DELETED**		
038	929.0110	FIELD OFFICE ROUTE 37 BRIDGES	PMO			
		0		12.00	0040	01
Item 929.0110 Total:				12.00		
039	932.0100	CUTTING AND MATCHING ASPHALT ROUTE 37 BRIDGES	LF			
		0		720.00	0040	01
Item 932.0100 Total:				720.00		
040	810.0210	GALVANIZED BAR REINFORCEMENT GRADE 60 ROUTE 37 BRIDGES	LBS			
		0		200.00	0040	01
Item 810.0210 Total:				200.00		