

St. Bernard Parish Conformed Copy

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ST BERNARD PARISH GOVERNMENT
8201 WEST JUDGE PEREZ DRIVE
ATTENTION: RONNIE ALONZO CAO
CHALMETTE, LA 70043

First MORTGAGOR

ST BERNARD PARISH GOVERNMENT

First MORTGAGEE

HARD ROCK CONSTRUCTION LLC

Index Type : MORTGAGES

File Number : 607825

Type of Document : CHANGE

Book : 1830 **Page :** 174

Recording Pages : 9

Description : ORDER NO 01 -PROJECT HMGP CANAL CROSSING BARTOLO DR @ 20 ARPENT CANAL

Recorded Information

I hereby certify that the attached document was filed for registry and recorded in the Clerk of Court's office for St. Bernard Parish, Louisiana

On (Recorded Date) : 03/16/2017

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ST BERNARD PARISH GOVERNMENT
8201 WEST JUDGE PEREZ DRIVE
ATTENTION: RONNIE ALONZO CAO
CHALMETTE, LA 70043

CHANGE ORDER 01

DATE OF ISSUANCE February 7, 2017

EFFECTIVE DATE February 7, 2017

OWNER: St. Bernard Parish Government
 CONTRACTOR: Hard Rock Construction, LLC
 Project: HMGP Canal Crossing Project – Bartolo Drive @ 20 Arpent Canal
 OWNER's Project No.: PW 19329
 Engineer's Project No.: 2014-24-03
 Date of Contract: January 5, 2017

It is hereby mutually agreed that when this change order has been signed by the contracting parties the following described changes in the work required by the contract shall be executed by the contractor without changing the terms of the contract except as herein stipulated and agreed:

You are directed to make the following changes in the Contract Documents:

Description: This change order aligns the estimated quantities and expense to accurately reflect quantities and expense needed for the project and to add an item to the required scope of work.


Reason for Change Order: After reviewing the Pile Load Test Program report it was determined that additional pilings would be necessary to support the structure and roadway being constructed. An additional storm water drainage line was discovered during the demolition portion of the project, and additional removal and disposal of existing pipe, additional drainage pipe and drainage manholes are necessary to complete the project.


See Attachment A: Breakdown of Unit Prices

CHANGE IN CONTRACT PRICE:	
Original Contract Price:	
\$ 499,991.00	
Net (Increase) Decrease from previous Change Order No. - to -:	
\$ 0.00	
Contract Price prior to this Change Order:	
\$ 499,991.00	
Net increase (decrease) of this Change Order:	
\$ 28,429.00	
Contract Price with all approved Change Orders:	
\$ 528,420.00	

CHANGE IN CONTRACT TIMES:	
Original Contract Times:	
Substantial Completion: May 8, 2017 Ready for final payment: May 8, 2017 (dates)	
Net change from previous Change Order No. - to -:	
Substantial Completion: N/A Ready for final payment: N/A (days)	
Contract Times prior to this Change Order:	
Substantial Completion: May 8, 2017 Ready for final payment: May 8, 2017 (dates)	
Net increase (decrease) of this Change Order:	
Substantial Completion: N/A Ready for final payment: N/A (days)	
Contract Times with all approved Change Orders:	
Substantial Completion: N/A Ready for final payment: N/A (dates)	

RECOMMENDED: 
 By: _____
 ENGINEER

APPROVED: 
 By: _____
 OWNER
 Ronnie Alonzo, C.S.P. 140

ACCEPTED: _____
 By: 
 CONTRACTOR

Date: 2/14/17

Date: 3/11/17

Date: 2/13/17

Attachment A - Breakdown of Unit Prices
HMGF Canal Crossing Project - Bartolo Drive @ 20 Arpent Canal
Department of Public Works Project PW 19329
St. Bernard Parish Louisiana



Item No.	Item Description	Original Quantity	Work Order Alignment Quantity 01	Total Original Alignment & Order 01 Quantity	Change Quantity	Total Contract Quantity	Unit of Measure	Unit Price	Original Contract Amount	Alignment 01 Amount	Change Order 01 Amount	Total Contract Amount
202-02-A	Removal and Disposal of Concrete Pavement (Incidental Paving)	30	0.00	30.00	0.00	30.00	SY	\$10.00	\$300.00	\$0.00	\$0.00	\$300.00
202-02-B	Removal and Disposal of Concrete Pavement (Roadway Pavement)	355	0.00	355.00	0.00	355.00	SY	\$10.00	\$3,550.00	\$0.00	\$0.00	\$3,550.00
202-02-C	Removal and Disposal of Concrete Curb	220	0.00	220.00	0.00	220.00	LF	\$1.00	\$220.00	\$0.00	\$0.00	\$220.00
202-02-F	Removal and Disposal of Existing Pipe	150	30.00	180.00	0.00	180.00	LF	\$50.00	\$7,500.00	\$1,500.00	\$0.00	\$9,000.00
202-03-A	Relocation of 8" Water Main	1	0.00	1.00	0.00	1.00	LS	\$20,000.00	\$20,000.00	\$0.00	\$0.00	\$20,000.00
203-01	General Excavation	135	0.00	135.00	0.00	135.00	CY	\$20.00	\$2,700.00	\$0.00	\$0.00	\$2,700.00
203-02	Drainage Excavation	576	0.00	576.00	0.00	576.00	CY	\$20.00	\$11,520.00	\$0.00	\$0.00	\$11,520.00
203-08	Geotextile Fabric	380	0.00	380.00	0.00	380.00	SY	\$1.00	\$380.00	\$0.00	\$0.00	\$380.00
204-06	Temporary Silt Fencing	500	0.00	500.00	0.00	500.00	LF	\$1.00	\$500.00	\$0.00	\$0.00	\$500.00
302-01	Class II Base Course	60	0.00	60.00	0.00	60.00	CY	\$100.00	\$6,000.00	\$0.00	\$0.00	\$6,000.00
402-01	Traffic Maintenance Aggregate	90	0.00	90.00	0.00	90.00	CY	\$100.00	\$9,000.00	\$0.00	\$0.00	\$9,000.00
601-01-02	Portland Cement Concrete Pavement (9-inches Thick)	355	0.00	355.00	0.00	355.00	SY	\$80.00	\$28,400.00	\$0.00	\$0.00	\$28,400.00
602-02	Cleaning and Resealing Existing Joints	210	0.00	210.00	0.00	210.00	LF	\$4.00	\$840.00	\$0.00	\$0.00	\$840.00
701-03-A	A-2000 PVC Drainage Pipe (24")	30	48.00	78.00	0.00	78.00	LF	\$150.00	\$4,500.00	\$7,200.00	\$0.00	\$11,700.00
701-12-F	Corrugated Metal Pipe-30", 12 Gage Polymer Coated	45	30.00	75.00	0.00	75.00	LF	\$200.00	\$9,000.00	\$6,000.00	\$0.00	\$15,000.00
702-03-03	Catch Basins (Type III, Precast)	2	0.00	2.00	0.00	2.00	EA	\$8,000.00	\$16,000.00	\$0.00	\$0.00	\$16,000.00
704-01	Guard Rail (Single Three Beam)(6'-3" post spacing)	100	0.00	100.00	0.00	100.00	LF	\$50.00	\$5,000.00	\$0.00	\$0.00	\$5,000.00
704-11	Guard Rail End Treatment	4	0.00	4.00	0.00	4.00	EA	\$2,750.00	\$11,000.00	\$0.00	\$0.00	\$11,000.00
706-01	Concrete (4" Thick)	110	0.00	110.00	0.00	110.00	SY	\$100.00	\$11,000.00	\$0.00	\$0.00	\$11,000.00
706-02	Concrete (6" Thick)	30	0.00	30.00	0.00	30.00	SY	\$3,000.00	\$9,000.00	\$0.00	\$0.00	\$9,000.00
707-01-A	6-inch Barrier Concrete Curb (Integral)	160	0.00	160.00	0.00	160.00	LF	\$10.00	\$1,600.00	\$0.00	\$0.00	\$1,600.00
707-01-B	5-inch Follower Concrete Curb (Integral)	65	0.00	65.00	0.00	65.00	LF	\$10.00	\$650.00	\$0.00	\$0.00	\$650.00
711-01	Grooved Rip Rap	150	0.00	150.00	0.00	150.00	SY	\$150.00	\$22,500.00	\$0.00	\$0.00	\$22,500.00
713-01	Temporary Signs and Barricades	1	0.00	1.00	0.00	1.00	LS	\$5,000.00	\$5,000.00	\$0.00	\$0.00	\$5,000.00
714-01	Slab Sodding	165	0.00	165.00	0.00	165.00	SY	\$10.00	\$1,650.00	\$0.00	\$0.00	\$1,650.00
723-01-02	Granular Material - Sub-Base (Net Section)	120	0.00	120.00	0.00	120.00	CY	\$35.00	\$4,200.00	\$0.00	\$0.00	\$4,200.00
727-01	Mobilization	1	0.00	1.00	0.00	1.00	LS	\$40,000.00	\$40,000.00	\$0.00	\$0.00	\$40,000.00
804-02	Driven Timber Piles	1,950	260.00	2,210.00	0.00	2,210.00	LF	\$15.00	\$29,250.00	\$3,900.00	\$0.00	\$33,150.00
804-06	Timber Test Pile	1	0.00	1.00	0.00	1.00	EA	\$7,500.00	\$7,500.00	\$0.00	\$0.00	\$7,500.00
804-09	Loading Test Pile	1	0.00	1.00	0.00	1.00	EA	\$100.00	\$100.00	\$0.00	\$0.00	\$100.00
S-001	Precast Con-Span Bridge System	1	0.00	1.00	0.00	1.00	LS	\$200,000.00	\$200,000.00	\$0.00	\$0.00	\$200,000.00
S-002	Asphalt or PCC Saw Cutting (Per Inch Depth)	100	0.00	100.00	0.00	100.00	LF	\$1.00	\$100.00	\$0.00	\$0.00	\$100.00
S-003	Handrail	80	0.00	80.00	0.00	80.00	LF	\$250.00	\$20,000.00	\$0.00	\$0.00	\$20,000.00
S-006	Preconstruction Video of Site	1	0.00	1.00	0.00	1.00	EA	\$2,000.00	\$2,000.00	\$0.00	\$0.00	\$2,000.00
S-007-01	Initial Installation & Final Removal of Dams	1	0.00	1.00	0.00	1.00	LS	\$15,000.00	\$15,000.00	\$0.00	\$0.00	\$15,000.00

Attachment A - Breakdown of Unit Prices
 HMGP Canal Crossing Project - Bartolo Drive @ 20 Arpent Canal
 Department of Public Works Project PW 19329
 St. Bernard Parish Louisiana



Item No.	Item Description	Original Quantity	Work Order Alignment Quantity 01	Total Alignment & Order 01 Quantity	Change Quantity 01	Total Contract Quantity	Unit of Measure	Unit Price	Original Contract Amount	Alignment 01 Amount	Change Order 01 Amount	Total Contract Amount
S-007-02	Dam Removal & Replacement (First Five (5) Occurrences)	1	0.00	1.00	0.00	1.00	LS	\$10.00	\$10.00	\$0.00	\$0.00	\$10.00
S-007-03	Dam Removal & Replacement (Each Additional Occurrence)	1	0.00	1.00	0.00	1.00	LS	\$20.00	\$20.00	\$0.00	\$0.00	\$20.00
S-008	Temporary Relocation of Utilities	1	0.00	1.00	0.00	1.00	EA	\$1.00	\$1.00	\$0.00	\$0.00	\$1.00
702-02	Manholes	0	0.00	0.00	2.00	2.00	EA	\$4,914.50	\$0.00	\$0.00	\$9,829.00	\$9,829.00
Total:												
									\$499,991.00	\$18,600.00	\$9,829.00	\$528,420.00

Revised Schedule of Values
 HMGP Canal Crossing Project - Bartolo Drive @ 20 Arpent Canal
 Department of Public Works Project PW 19329
 St. Bernard Parish Louisiana
 Alignment of Quantities



Item No.	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Extension	Alignment 01 Quantity	Net Change to Contract Value	Allignment 01 Contract Revised Total Value	Change Order 01 Quantity	Net Change to Contract Value	Change Order 01 Contract Revised Total Value	TOTAL	
												\$499,991.00	\$18,600.00
202-02-A	Removal and Disposal of Concrete Pavement (Incidental Paving)	SY	30	\$10.00	\$300.00	30.00	\$0.00	\$300.00	0.00	\$0.00	\$300.00	\$528,420.00	\$9,829.00
202-02-B	Removal and Disposal of Concrete Pavement (Roadway Pavement)	SY	355	\$10.00	\$3,550.00	355.00	\$0.00	\$3,550.00	0.00	\$0.00	\$3,550.00	\$528,420.00	\$9,829.00
202-02-C	Removal and Disposal of Concrete Curb	LF	220	\$1.00	\$220.00	220.00	\$0.00	\$220.00	0.00	\$0.00	\$220.00	\$528,420.00	\$9,829.00
202-02-F	Removal and Disposal of Existing Pipe	LF	150	\$50.00	\$7,500.00	180.00	\$1,500.00	\$9,000.00	0.00	\$0.00	\$9,000.00	\$528,420.00	\$9,829.00
202-03-A	Relocation of 8" Water Main	LS	1	\$20,000.00	\$20,000.00	1.00	\$0.00	\$20,000.00	0.00	\$0.00	\$20,000.00	\$528,420.00	\$9,829.00
203-01	General Excavation	CY	135	\$20.00	\$2,700.00	135.00	\$0.00	\$2,700.00	0.00	\$0.00	\$2,700.00	\$528,420.00	\$9,829.00
203-02	Drainage Excavation	CY	576	\$20.00	\$11,520.00	576.00	\$0.00	\$11,520.00	0.00	\$0.00	\$11,520.00	\$528,420.00	\$9,829.00
203-08	Geotextile Fabric	SY	380	\$1.00	\$380.00	380.00	\$0.00	\$380.00	0.00	\$0.00	\$380.00	\$528,420.00	\$9,829.00
204-06	Temporary Silt Fencing	LF	500	\$1.00	\$500.00	500.00	\$0.00	\$500.00	0.00	\$0.00	\$500.00	\$528,420.00	\$9,829.00
302-01	Class II Base Course	CY	60	\$100.00	\$6,000.00	60.00	\$0.00	\$6,000.00	0.00	\$0.00	\$6,000.00	\$528,420.00	\$9,829.00
402-01	Traffic Maintenance Aggregate	CY	90	\$100.00	\$9,000.00	90.00	\$0.00	\$9,000.00	0.00	\$0.00	\$9,000.00	\$528,420.00	\$9,829.00
601-01-02	Portland Cement Concrete Pavement (9-inches Thick)	SY	355	\$80.00	\$28,400.00	355.00	\$0.00	\$28,400.00	0.00	\$0.00	\$28,400.00	\$528,420.00	\$9,829.00
602-02	Cleaning and Resealing Existing Joints	LF	210	\$4.00	\$840.00	210.00	\$0.00	\$840.00	0.00	\$0.00	\$840.00	\$528,420.00	\$9,829.00
701-03-A	A-2000 PVC Drainage Pipe (24")	LF	30	\$150.00	\$4,500.00	78.00	\$7,200.00	\$11,700.00	0.00	\$0.00	\$11,700.00	\$528,420.00	\$9,829.00
701-12-F	Corrugated Metal Pipe-30", 12 Gage Polymer Coated	LF	45	\$200.00	\$9,000.00	75.00	\$6,000.00	\$15,000.00	0.00	\$0.00	\$15,000.00	\$528,420.00	\$9,829.00
702-03-03	Catch Basins (Type III, Precast)	EA	2	\$8,000.00	\$16,000.00	2.00	\$0.00	\$16,000.00	0.00	\$0.00	\$16,000.00	\$528,420.00	\$9,829.00
704-01	Guard Rail (Single Three Beam)(6'-3" post spacing)	LF	100	\$50.00	\$5,000.00	100.00	\$0.00	\$5,000.00	0.00	\$0.00	\$5,000.00	\$528,420.00	\$9,829.00
704-11	Guard Rail End Treatment	EA	4	\$2,750.00	\$11,000.00	4.00	\$0.00	\$11,000.00	0.00	\$0.00	\$11,000.00	\$528,420.00	\$9,829.00
706-01	Concrete (4" Thick)	SY	110	\$100.00	\$11,000.00	110.00	\$0.00	\$11,000.00	0.00	\$0.00	\$11,000.00	\$528,420.00	\$9,829.00
706-02	Concrete (6" Thick)	SY	30	\$3,000.00	\$3,000.00	30.00	\$0.00	\$3,000.00	0.00	\$0.00	\$3,000.00	\$528,420.00	\$9,829.00
707-01-A	6-inch Barrier Concrete Curb (Integral)	LF	160	\$10.00	\$1,600.00	160.00	\$0.00	\$1,600.00	0.00	\$0.00	\$1,600.00	\$528,420.00	\$9,829.00
707-01-B	5-inch Rollover Concrete Curb (Integral)	LF	65	\$10.00	\$650.00	65.00	\$0.00	\$650.00	0.00	\$0.00	\$650.00	\$528,420.00	\$9,829.00
711-01	Grouted Rip Rap	SY	150	\$150.00	\$22,500.00	150.00	\$0.00	\$22,500.00	0.00	\$0.00	\$22,500.00	\$528,420.00	\$9,829.00
713-01	Temporary Signs and Barriacades	LS	1	\$5,000.00	\$5,000.00	1.00	\$0.00	\$5,000.00	0.00	\$0.00	\$5,000.00	\$528,420.00	\$9,829.00
714-01	Slab Sodding	SY	165	\$10.00	\$1,650.00	165.00	\$0.00	\$1,650.00	0.00	\$0.00	\$1,650.00	\$528,420.00	\$9,829.00
723-01-02	Granular Material - Sub-Base (Net Section)	CU	120	\$35.00	\$4,200.00	120.00	\$0.00	\$4,200.00	0.00	\$0.00	\$4,200.00	\$528,420.00	\$9,829.00
727-01	Mobilization	LS	1	\$40,000.00	\$40,000.00	1.00	\$0.00	\$40,000.00	0.00	\$0.00	\$40,000.00	\$528,420.00	\$9,829.00
804-02	Driven Timber Piles	LF	1,950	\$15.00	\$29,250.00	2,210.00	\$3,900.00	\$33,150.00	0.00	\$0.00	\$33,150.00	\$528,420.00	\$9,829.00
804-06	Timber Test Pile	EA	1	\$7,500.00	\$7,500.00	1.00	\$0.00	\$7,500.00	0.00	\$0.00	\$7,500.00	\$528,420.00	\$9,829.00
804-09	Loading Test Pile	EA	1	\$100.00	\$100.00	1.00	\$0.00	\$100.00	0.00	\$0.00	\$100.00	\$528,420.00	\$9,829.00
S-001	Precast Con-Span Bridge System	LS	1	\$200,000.00	\$200,000.00	1.00	\$0.00	\$200,000.00	0.00	\$0.00	\$200,000.00	\$528,420.00	\$9,829.00
S-002	Asphalt or PCC Saw Cutting (Per Inch Depth)	LF	100	\$1.00	\$100.00	100.00	\$0.00	\$100.00	0.00	\$0.00	\$100.00	\$528,420.00	\$9,829.00
S-003	Handrail	LF	80	\$250.00	\$20,000.00	80.00	\$0.00	\$20,000.00	0.00	\$0.00	\$20,000.00	\$528,420.00	\$9,829.00
S-006	Preconstruction Video of Site	EA	1	\$2,000.00	\$2,000.00	1.00	\$0.00	\$2,000.00	0.00	\$0.00	\$2,000.00	\$528,420.00	\$9,829.00
S-007-01	Initial Installation & Final Removal of Dams	LS	1	\$15,000.00	\$15,000.00	1.00	\$0.00	\$15,000.00	0.00	\$0.00	\$15,000.00	\$528,420.00	\$9,829.00
S-007-02	Dam Removal & Replacement (First Five (5) Occurrences)	LS	1	\$10.00	\$10.00	1.00	\$0.00	\$10.00	0.00	\$0.00	\$10.00	\$528,420.00	\$9,829.00
S-007-03	Dam Removal & Replacement (Each Additional Occurrence)	LS	1	\$20.00	\$20.00	1.00	\$0.00	\$20.00	0.00	\$0.00	\$20.00	\$528,420.00	\$9,829.00
S-008	Temporary Relocation of Utilities	EA	1	\$1.00	\$1.00	1.00	\$0.00	\$1.00	0.00	\$0.00	\$1.00	\$528,420.00	\$9,829.00
702-02	Manholes	EA	0	\$4,914.50	\$0.00	0.00	\$0.00	\$0.00	2.00	\$9,829.00	\$9,829.00	\$528,420.00	\$9,829.00

Delta Original Work Order Quantities vs Actual Constructed Quantities

HMGP Canal Crossing Project - Bartolo Drive @ 20 Arpent Canal

Department of Public Works Project PW 19329

St. Bernard Parish Louisiana



Item No.	Item Description	Work Order No. 1 Site No. 1			Unit of Measure
		Original Estimated Quantity	Actual Constructed Quantity	Delta	
202-02-A	Removal and Disposal of Concrete Pavement (Incidental Paving)	30.00	0.00	-30.00	SY
202-02-B	Removal and Disposal of Concrete Pavement (Roadway Pavement)	355.00	0.00	-355.00	SY
202-02-C	Removal and Disposal of Concrete Curb	220.00	0.00	-220.00	LF
202-02-F	Removal and Disposal of Existing Pipe	150.00	0.00	-150.00	LF
202-03-A	Relocation of 8" Water Main	1.00	0.00	-1.00	LS
203-01	General Excavation	135.00	0.00	-135.00	LS
203-02	Drainage Excavation	576.00	0.00	-576.00	LS
203-08	Geotextile Fabric	380.00	0.00	-380.00	CY
204-06	Temporary Silt Fencing	500.00	0.00	-500.00	CY
302-01	Class II Base Course	60.00	0.00	-60.00	SY
402-01	Traffic Maintenance Aggregate	90.00	0.00	-90.00	LF
601-01-02	Portland Cement Concrete Pavement (9-inches Thick)	355.00	0.00	-355.00	CY
602-02	Cleaning and Resealing Existing Joints	210.00	0.00	-210.00	SY
701-03-A	A-2000 PVC Drainage Pipe (24")	30.00	0.00	-30.00	LF
701-12-F	Corrugated Metal Pipe-30", 12 Gage Polymer Coated	45.00	0.00	-45.00	LF
702-03-03	Catch Basins (Type III, Precast)	2.00	0.00	-2.00	LF
704-01	Guard Rail (Single Thrie Beam)(6'-3" post spacing)	100.00	0.00	-100.00	LF
704-11	Guard Rail End Treatment	4.00	0.00	-4.00	LF
706-01	Concrete (4" Thick)	110.00	0.00	-110.00	LF
706-02	Concrete (6" Thick)	30.00	0.00	-30.00	EA
707-01-A	6-inch Barrier Concrete Curb (Integral)	160.00	0.00	-160.00	EA
707-01-B	5-inch Rollover Concrete Curb (Integral)	65.00	0.00	-65.00	LF
711-01	Grouted Rip Rap	150.00	0.00	-150.00	EA
713-01	Temporary Signs and Barricades	1.00	0.00	-1.00	SY
714-01	Slab Sodding	165.00	0.00	-165.00	SY
723-01-02	Granular Material - Sub-Base (Net Section)	120.00	0.00	-120.00	LF
727-01	Mobilization	1.00	0.00	-1.00	LF
804-02	Driven Timber Piles	1950.00	0.00	-1950.00	SY
804-06	Timber Test Pile	1.00	0.00	-1.00	LS
804-09	Loading Test Pile	1.00	0.00	-1.00	SY
S-001	Precast Con-Span Bridge System	1.00	0.00	-1.00	CU
S-002	Asphalt or PCC Saw Cutting (Per Inch Depth)	100.00	0.00	-100.00	LS
S-003	Handrail	80.00	0.00	-80.00	LF
S-006	Preconstruction Video of Site	1.00	0.00	-1.00	LF
S-007-01	Initial Installation & Final Removal of Dams	1.00	0.00	-1.00	EA
S-007-02	Dam Removal & Replacement (First Five (5) Occurrences)	1.00	0.00	-1.00	EA
S-007-03	Dam Removal & Replacement (Each Additional Occurrence)	1.00	0.00	-1.00	EA
S-008	Temporary Relocation of Utilities	1.00	0.00	-1.00	LF
702-02	Manholes	2.00	0.00	-2.00	EA

FEMA Additional Work Approved
HMGP Canal Crossing Project - Bartolo Drive @ 20 Arpent Canal
Department of Public Works Project PW 19329
St. Bernard Parish Louisiana



Item No.	Item Description	Unit of Measure	Bartolo Drive Additional Work Approved by FEMA	Unit Price	Total Additional Work Approved
202-02-A	Removal and Disposal of Concrete Pavement (Incidental Paving)	SY		\$10.00	\$0.00
202-02-B	Removal and Disposal of Concrete Pavement (Roadway Pavement)	SY		\$10.00	\$0.00
202-02-C	Removal and Disposal of Concrete Curb	LF		\$1.00	\$0.00
202-02-F	Removal and Disposal of Existing Pipe	LF		\$50.00	\$0.00
202-03-A	Relocation of 8" Water Main	LS		\$20,000.00	\$0.00
203-01	General Excavation	CY		\$20.00	\$0.00
203-02	Drainage Excavation	CY		\$20.00	\$0.00
203-08	Geotextile Fabric	SY		\$1.00	\$0.00
204-06	Temporary Silt Fencing	LF		\$1.00	\$0.00
302-01	Class II Base Course	CY		\$100.00	\$0.00
402-01	Traffic Maintenance Aggregate	CY		\$100.00	\$0.00
601-01-02	Portland Cement Concrete Pavement (9-inches Thick)	SY		\$80.00	\$0.00
602-02	Cleaning and Resealing Existing Joints	LF		\$4.00	\$0.00
701-03-A	A-2000 PVC Drainage Pipe (24")	LF		\$150.00	\$0.00
701-12-F	Corrugated Metal Pipe-30", 12 Gage Polymer Coated	LF		\$200.00	\$0.00
702-03-03	Catch Basins (Type III, Precast)	EA		\$8,000.00	\$0.00
704-01	Guard Rail (Single Thrie Beam)(6'-3" post spacing)	LF		\$50.00	\$0.00
704-11	Guard Rail End Treatment	EA		\$2,760.00	\$0.00
706-01	Concrete (4" Thick)	SY		\$100.00	\$0.00
706-02	Concrete (6" Thick)	SY		\$100.00	\$0.00
707-01-A	6-inch Barrier Concrete Curb (Integral)	LF		\$10.00	\$0.00
707-01-B	5-inch Rollover Concrete Curb (Integral)	LF		\$10.00	\$0.00
711-01	Grouted Rip Rap	SY		\$150.00	\$0.00
713-01	Temporary Signs and Barricades	LS		\$5,000.00	\$0.00
714-01	Slab Sodding	SY		\$10.00	\$0.00
723-01-02	Granular Material - Sub-Base (Net Section)	CU		\$35.00	\$0.00
727-01	Mobilization	LS		\$40,000.00	\$0.00
804-02	Driven Timber Piles	LF		\$15.00	\$0.00
804-06	Timber Test Pile	EA		\$7,500.00	\$0.00
804-09	Loading Test Pile	EA		\$100.00	\$0.00
S-001	Precast Cor-Span Bridge System	LS		\$200,000.00	\$0.00
S-002	Asphalt or PCC Saw Cutting (Per Inch Depth)	LF		\$1.00	\$0.00
S-003	Handrail	LF		\$250.00	\$0.00
S-006	Preconstruction Video of Site	EA		\$2,000.00	\$0.00
S-007-01	Initial Installation & Final Removal of Dams	LS		\$15,000.00	\$0.00
S-007-02	Dam Removal & Replacement (First Five (5) Occurrences)	LS		\$10.00	\$0.00
S-007-03	Dam Removal & Replacement (Each Additional Occurrence)	LS		\$20.00	\$0.00
S-008	Temporary Relocation of Utilities	EA		\$1.00	\$0.00
702-02	Manholes	EA		\$4,914.50	\$0.00

HARD ROCK CONSTRUCTION, L.L.C.

Project Name: HMGP Canal Crossing Project - Bartolo Dr. @ 20 Arpent Canal (PW 19329)

Change Order Proposal: 001

Breakdown of Costs: New Drain Manhole (Brick - 4' Inside Diameter, 8' Depth)

TOTAL ESTIMATED QUANTITY: 2 EA

LABOR	Description	Qty	U/M	Hrs	Rate	Total
	SUPERINTENDENT	1	EA	10	\$ 30.00	\$ 300.00
	OPERATOR	1	EA	10	\$ 22.00	\$ 220.00
	PIPE LAYER	1	EA	10	\$ 21.00	\$ 210.00
	LABORER	3	EA	10	\$ 18.00	\$ 540.00
	Total Labor Cost					\$ 1,270.00
	15% Profit					\$ 190.50
	Total					\$ 1,460.50

EQUIPMENT	Description	Qty	U/M	Hrs	Rate	Total
	EXCAVATOR	1	EA	10	\$ 73.00	\$ 730.00
	BACKHOE	1	EA	10	\$ 61.00	\$ 610.00
	PIPE LAZER	1	EA	10	\$ 6.00	\$ 60.00
	DIAPHRAM PUMP	1	EA	10	\$ 6.00	\$ 60.00
	PLATE COMPACTOR	1	EA	10	\$ 6.00	\$ 60.00
	PICKUP TRUCK	1	EA	10	\$ 12.50	\$ 125.00
	Total Equipment Cost					\$ 1,645.00
	15% Profit					\$ 246.75
	Total					\$ 1,891.75

SUBCONTRACTOR	Description	Qty	U/M	Rate	Total
	HAUL TRUCK (1 EA)	10.00	HR	\$ 65.00	\$ 650.00
	HAUL STONE	14.00	TON	\$ 4.78	\$ 66.92
	HAUL SAND	56.00	CYTM	\$ 4.00	\$ 224.00
	Total Sub. Cost				\$ 940.92
	15% O&P				\$ 141.14
	Total				\$ 1,082.06

MATERIALS	Description	Qty	U/M	Rate	Total
	MORTAR	100.00	EA	\$ 5.60	\$ 560.00
	CLOSURE BRICK	4.00	CUBE	\$ 167.50	\$ 670.00
	MANHOLE RING & COVER	2.00	EA	\$ 325.00	\$ 650.00
	CONCRETE	3.00	CY	\$ 101.00	\$ 303.00
	CONCRETE - 3 CY CHARGE	1.00	LS	\$ 30.00	\$ 30.00
	REBAR	270.00	LB	\$ 0.50	\$ 135.00
	CONCRETE BRICK	18.00	EA	\$ 0.45	\$ 8.10
	610 STONE	14.00	TON	\$ 24.00	\$ 336.00
	SAND	56.00	CYTM	\$ 4.00	\$ 224.00
	GEOTEXTILE FABRIC	50.00	SY	\$ 0.76	\$ 38.00
	SHORING LUMBER	986.00	BF	\$ 0.75	\$ 739.50
	FORM LUMBER	52.00	LF	\$ 1.00	\$ 52.00
	FORM STAKE	26.00	EA	\$ 0.95	\$ 24.70
	Total Material Cost				\$ 3,790.30
	Tax (10.00%)				\$ 379.03
	15% O&P				\$ 625.40
	Total				\$ 4,794.73

BOND/INSURANCE	Description	Total
	Bond	\$ 9,229.04
	Labor Burden	\$ 1,270.00
	Total	\$ 600.29

SUMMARY	Description	Total
	Labor	\$ 1,460.50
	Equipment	\$ 1,891.75
	Subcontractor	\$ 1,082.06
	Material	\$ 4,794.73
	Bond / Labor burden	\$ 600.29
	Total	\$ 9,829.33
	ADJUSTMENT	\$ (0.33)

SUMMARY OF CHANGE ORDER AMOUNT

TOTAL	\$ 9,829.00
PER EA	\$ 4,914.50

NOTE:

St. Bernard Parish Louisiana
HMP Canal Crossings Project
Cost & Quantity Estimates vs Actual

Summary

Date Started: 1/9/2017

SC Date:

Item No.	Item Description	Unit of Measure	Engineers Estimated Quantity	Engineers Revised Cost Est.	Engineers Estimated Quantity	Engineers Revised Cost Est.	Actual Constructed Quantity	Actual Constructed Cost	Data (Engineers vs Actual)	January 17 Quantities	January 17 Cost	February 17 Quantities	February 17 Cost	March 17 Quantities	March 17 Cost	April 17 Quantities	April 17 Cost
202-2A	Remove and Dispose of Concrete Pavement (Inch/Board Footing)	SY	32.00	\$390.00	30.00	\$300.00	0.00	\$0.00	\$390.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
202-2B	Remove and Dispose of Concrete Pavement (Roadway Pavement)	LF	310.00	\$3,550.00	220.00	\$2,200.00	0.00	\$0.00	\$3,550.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
202-2F	Remove and Dispose of Existing Pipe	LF	\$90.00	\$1,500.00	180.00	\$900.00	0.00	\$0.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
202-3A	Reconstruction of 8" Water Main	LF	\$200,000.00	\$200,000.00	1.00	\$200,000.00	0.00	\$0.00	\$200,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
203-01	General Excavation	CY	\$200.00	\$3,700.00	135.00	\$730.00	0.00	\$0.00	\$3,700.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
203-02	Damage Excavation	CY	\$200.00	\$11,520.00	576.00	\$11,520.00	0.00	\$0.00	\$11,520.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
204-08	Temporary Silt Fencing	LF	\$100.00	\$390.00	390.00	\$390.00	0.00	\$0.00	\$390.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
204-01	Class II Base Course	CY	\$100.00	\$600.00	600.00	\$600.00	0.00	\$0.00	\$600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
402-01	Traffic Maintenance Aggregate	CY	\$100.00	\$600.00	600.00	\$600.00	0.00	\$0.00	\$600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
601-01-02	Portland Cement Concrete Pavement (8-Inches Thick)	SY	\$90.00	\$28,400.00	355.00	\$28,400.00	0.00	\$0.00	\$28,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
602-02	Cracking and Resealing Existing Joints	LF	\$1.00	\$840.00	210.00	\$840.00	0.00	\$0.00	\$840.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
701-03A	A-2000 PVC Drainage Pipe (24")	LF	\$1.00	\$4,500.00	210.00	\$4,500.00	0.00	\$0.00	\$4,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
701-12F	Corrugated Metal Pipe-30", 12 Gage Polymer Coated	LF	\$300.00	\$9,000.00	75.00	\$9,000.00	0.00	\$0.00	\$9,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
702-02-02	Catch Basins (Type III, Precast)	EA	\$8,000.00	\$16,000.00	2.00	\$16,000.00	0.00	\$0.00	\$16,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
702-02-03	Catch Basins (Type III, Precast)	EA	\$50.00	\$5,000.00	100.00	\$5,000.00	0.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
704-11	Guard Rail End Treatment	EA	\$2,750.00	\$11,000.00	4.00	\$11,000.00	0.00	\$0.00	\$11,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
704-11	Guard Rail (Single Three Beam) (5'-3" post spacing)	LF	\$50.00	\$5,000.00	100.00	\$5,000.00	0.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
706-02	Concrete (6" Thick)	SY	\$100.00	\$11,000.00	110.00	\$11,000.00	0.00	\$0.00	\$11,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
707-01A	Single Barrier Concrete Curb (Integral)	LF	\$10.00	\$3,000.00	30.00	\$3,000.00	0.00	\$0.00	\$3,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
707-01B	Single Retainer Concrete Curb (Integral)	LF	\$10.00	\$1,650.00	165.00	\$1,650.00	0.00	\$0.00	\$1,650.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
711-01	Copied Rip Rap	SY	\$150.00	\$22,500.00	150.00	\$22,500.00	0.00	\$0.00	\$22,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
713-01	Temporary Signs and Barriers	LS	\$5,000.00	\$5,000.00	1.00	\$5,000.00	0.00	\$0.00	\$5,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
714-01	Shop Supplies	SY	\$10.00	\$1,650.00	165.00	\$1,650.00	0.00	\$0.00	\$1,650.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
723-01-02	Concrete Material - Sub-Base (Net Section)	CY	\$35.00	\$4,200.00	120.00	\$4,200.00	0.00	\$0.00	\$4,200.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
727-01	Macadam	LS	\$40,000.00	\$40,000.00	1.00	\$40,000.00	0.00	\$0.00	\$40,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804-02	Open Top Timber Piles	LF	\$15.00	\$29,250.00	2210.00	\$29,250.00	0.00	\$0.00	\$29,250.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804-06	Timber Test Pile	EA	\$7,500.00	\$7,500.00	1.00	\$7,500.00	0.00	\$0.00	\$7,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804-09	Timber Test Pile	EA	\$100.00	\$100.00	1.00	\$100.00	0.00	\$0.00	\$100.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804-01	Precast Concrete Bridge System	LS	\$200,000.00	\$200,000.00	1.00	\$200,000.00	0.00	\$0.00	\$200,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804-02	Asphalt or PCC Saw Cutting (Per Inch Depth)	LF	\$1.00	\$100.00	100.00	\$100.00	0.00	\$0.00	\$100.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804-03	Handrail	LF	\$250.00	\$250.00	80.00	\$250.00	0.00	\$0.00	\$250.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804-06	Final Installation & Final Removal of Signs	EA	\$2,000.00	\$2,000.00	1.00	\$2,000.00	0.00	\$0.00	\$2,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804-07-01	Dam Removal & Replacement (First Time (S) Occurrences)	LS	\$15,000.00	\$15,000.00	1.00	\$15,000.00	0.00	\$0.00	\$15,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804-07-02	Dam Removal & Replacement (Each Additional Occurrence)	LS	\$10,000.00	\$10,000.00	1.00	\$10,000.00	0.00	\$0.00	\$10,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
804-08	Temporary Retention of Utilities	SY	\$1.00	\$1.00	1.00	\$1.00	0.00	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
202-02	Manholes	EA	\$4,814.50	\$4,814.50	0.00	\$0.00	0.00	\$0.00	\$4,814.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	