

RESOLUTION NO. 2016-\_\_\_\_\_

A RESOLUTION AWARDED A CONTRACT TO MOUNT CONSTRUCTION CO., INC., BERLIN, NJ FOR THE COMPLETION OF BLACKWATER BRANCH CULVERT REPLACEMENT, IN THE AMOUNT NOT TO EXCEED \$481,606.00.

WHEREAS, the City of Vineland has heretofore advertised for proposals for Professional Services for completion of Blackwater Branch Culvert Replacement for the Department of Engineering; and

WHEREAS, the Request was published in the City of Vineland's official newspaper; and

WHEREAS, on January 12, 2016, twelve (12) proposals were received and referred to the City Engineer for evaluation and recommendation; and

WHEREAS, the City Engineer has recommended that a contract for the required services be awarded to Mount Construction Co., Inc., Berlin, NJ, based upon the proposal received, pursuant to a fair and open process; and

WHEREAS, this contract is awarded in an amount not to exceed \$481,606.00 for specified services, for a contract period one hundred and eighty calendar days (180); and

WHEREAS, the availability of funds for said Contract to be awarded herein have been certified by the City Comptroller; and

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Vineland that said contract to provide for the completion of Blackwater Branch Culvert Replacement for the Department of Engineering, be awarded to Mount Construction, Berlin, NJ, based upon the proposal received, pursuant to a fair and open process, in the amount not to exceed \$481,606.00 for specified services, for a contract period one hundred and eighty calendar days (180).

Adopted:

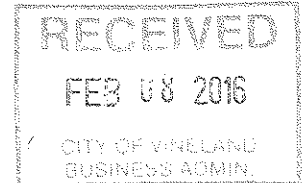
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President of Council

ATTEST:

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City Clerk

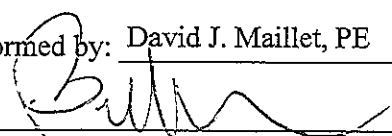



**BID EVALUATION FORM**

DEPARTMENT PW, Engineering & Planning

Date: 2/8/16

The undersigned recommends that a contract be awarded for the following:

1. Bid Title: Blackwater Branch Culvert Replacement
2. Amount to be Awarded: \$481,606.00  
 Encumber Total Award  
 Encumber by Supplemental Release
3. Engineer's Estimate: \$487,422.50
4. Amount Budget: \$ \_\_\_\_\_
5. Account Number to be Charged: 025-0-00-50-5001-2-6165400
6. Date Bids Received: 1/12/16
7. Date to be Awarded: 2/23/16
8. Recommended Vendor: Mount Construction
9. Is Recommended Vendor the Apparent Lowest Bidder?  Yes  No
10. Comments/Special Instructions: See Attached
11. Evaluation Performed by: David J. Maillet, PE
12. Approved By:   
Brian N. Myers, PE, CME, City Engineer
13. Attached: (Check-Off List)  
 Tabulation of Bids  
 Justification for Vendor Recommendation (if applicable)  
 Evaluation Data (if applicable)

**Send copies to:**  
Purchasing Division  
Business Administration 

- The awarding resolution must state that the award is contingent upon concurrence of the award by NJDOT.
- The awarding resolution should allow the execution of the Federal Aid Agreement by appropriate City Officials.
  
- The contracts must not be signed prior to receipt of proof of NJDOT approval.

**TABULATION OF BIDS**  
**BLACKWATER BRANCH CULVERT REPLACEMENT**  
**JANUARY 12, 2016**

JAN 13 2016

**ENGINEER'S ESTIMATE: \$500,000**

	Mount Construction Co., Inc. 427 S. White Horse Pike Berlin, NJ 08009	Arthur R. Henry, Inc. 3031 Ocean Heights Ave. Egg Harbor Twp., NJ 08234	Walters Marine Construction, Inc. 414 Woodbine-Ocean View Rd. Ocean View, NJ 08230	Perna Construction LLC 730 9th St. Hammonton, NJ 08037	Richard E. Pierson Const. 426 Swedesboro Road Pilesgrove, NJ 08098	Fred M. Schiavone Const., Inc. P.O. Box 416 Malaga, NJ 08328
BB, CAC, CEC	BB 10%	BB 10%	BB 10%	BB 10%	BB 10%	BB 10%
Surety	YES	YES	YES	YES	YES	YES
Stockholder Discl.	YES	YES	YES	YES	YES	YES
Affir Action	YES	YES	YES	YES	YES	YES
Non-Collusion	YES	YES	YES	YES	YES	YES
Check List	YES	YES	YES	YES	YES	YES
Proposal	YES	YES	YES	YES	YES	YES
List of Subcontractors	YES	YES	YES	YES	YES	YES
Addenda	YES	YES	YES	YES	YES	YES
Iran Activities Disclosure	YES	YES	YES	YES	YES	YES
Federal Attachment	YES	YES	YES	YES	YES	YES
<b>TOTAL</b>	<b>\$481,606.00</b>	<b>\$548,990.92</b>	<b>\$586,981.00</b>	<b>\$594,580.00</b>	<b>\$599,790.22</b>	<b>\$622,276.60</b>
<b>CORRECTED TOTAL</b>						<b>\$622,290.60</b>

**TABULATION OF BIDS**  
**BLACKWATER BRANCH CULVERT REPLACEMENT**  
**JANUARY 12, 2016**

	<b>Marbro, Inc.</b> 127 Pine Street P.O. Box 134 Montclair, NJ 07042	<b>South State, Inc.</b> P.O. Box 68 Bridgeton, NJ 08302	<b>Mathis Construction Co., Inc.</b> 1510 Route 539, Suite 1 Little Egg Harbor, NJ 08087	<b>M.L. Ruberton Const. Co., Inc.</b> 1512 Mays Landing Road P.O. Box 564 Hammonton, NJ 08037	<b>Cardinal Contracting Co., LLC</b> 1738 Route 206 Southampton, NJ , 08088	<b>G. Helmer Const. Co. Inc.</b> 1061 West Malaga, Rd. Williamstown, NJ 08094
BB, CAC, CEC	BB \$20,000	BB 10%	BB 10%	BB 10%	BB 10%	BB 10%
Surety	YES	YES	YES	YES	YES	YES
Stockholder Discl.	YES	YES	YES	YES	YES	YES
Affir Action	YES	YES	YES	YES	YES	YES
Non-Collusion	YES	YES	YES	YES	YES	YES
Check List	YES	YES	YES	YES	YES	YES
Proposal	YES	YES	YES	YES	YES	YES
List of Subcontractors	YES	YES	YES	YES	YES	YES
Addenda	YES	YES	YES	YES	*	*
Iran Activities Disclosure	YES	YES	YES	YES	YES	YES
Federal Attachment	YES	YES	YES	YES		
<b>TOTAL</b>	<b>\$722,117.00</b>	<b>\$733,115.80</b>	<b>\$752,127.50</b>	<b>\$764,815.87</b>	<b>\$898,709.60</b>	<b>\$899,709.50</b>

**\* DID NOT ACKNOWLEDGE RECEIPT OF ADDENDA**

**Specifications also picked up by:**

Kline Construction  
RA Walters & Son, Inc.  
ISqFT, Inc.  
West Bay Construction, Inc.  
Mugrose Const. Inc.  
Krisanna Construction

**Notice to Bidders sent to:**

Perna Finnigan



January 21, 2016

Bid Analysis  
BLACKWATER BRANCH CULVERT REPLACEMENT

Federal Project No.  
Bid Opening Date: January 12, 2016

BIDDER	TOTAL BID	% DIFFERENCE OF ENGINEER ESTIMATE
Mount Construction	\$481,606.00	-1.2
Arthur R. Henry	\$548,990.92	+12.6
Walters Marine	\$586,981.00	+20.4
Perna Construction	\$594,580.00	+22.0
Richard E. Pierson	\$599,790.22	+23.1
Fred M. Schiavone	\$622,290.60	+27.7
Marbro	\$722,117.00	+48.2
South State	\$733,115.80	+50.4
Mathis Construction	\$752,127.50	+54.3
ML Ruberton	\$764,815.87	+56.9
Cardinal Contracting	\$898,709.60	+84.4
G. Helmer Construction	\$899,709.50	+84.6
<b>Engineer's Estimate</b>	<b>\$487,422.50</b>	

1% of Engineer's Estimate = \$4,874.22; use \$4,900.00

There are 13 out of 55 items in the lowest responsible bidder's proposal which differ from the Engineer's Estimate by more than \$4,900.00 (1% of total estimated price).

The following is an item by item breakdown of unit price differences between the Engineer's Estimate and actual bid prices of the lowest responsible bidder (Mount Construction):

- Item 1: **Mobilization** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 2: **Construction Layout** is significantly higher than the engineer's estimate. The bid is reasonable.
- Item 3: **Inlet Filters, Type** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.

- Item 4: **Heavy Duty Silt Fence, Black** is higher than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 5: **Floating Turbidity Barrier, Type 2** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 6: **Oil Only Emergency Spill Kit, Type 1** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 7: **Construction Driveway** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 8: **Sediment Control Bag** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 9: **Traffic Control** is significantly lower than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 10: **Construction Signs** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 11: **Asphalt Price Adjustment** is a fixed amount.
- Item 12: **Final Cleanup** is significantly lower than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 13: **Temporary Cofferdam** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 14: **Clearing Site** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 15: **60" High Density Polyethylene Pipe** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 16: **HMA Milling, 3" Or Less** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.



- Item 17: **I-14 Soil Aggregate** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 18: **Excavation, Test Pit** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 19: **Dense-Graded Aggregate Base Course, 6" Thick** is higher than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 20: **No Item.**
- Item 21: **Tack Coat** is significantly lower than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 22: **Inlet, Type A** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 23: **Hot Mix Asphalt 12.5 M 64 Surface Course, 2" Thick** is higher than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 24: **Hot Mix Asphalt 19 M 64 Surface Course, 4" Thick** is higher than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 25: **Manhole, 4' Diameter** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 26: **No Item.**
- Item 27: **Nonvegetative Surface, Hot Mix Asphalt, 4" Thick** is the same as the engineer's estimate.
- Item 28: **Gabion Mattress** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 29: **No Item.**
- Item 30: **Beam Guide Rail** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.

- Item 31: **Gabion Wall** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 32: **Flared Guide Rail Terminal** is higher than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 33: **Beam Guide Rail Anchorage** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 34: **15" CMP Storm Sewer Pipe** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 35: **Traffic Stripes, 4"** is higher than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 36: **No Item.**
- Item 37: **RPM, Bi-Directional, Amber Lens** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 38: **No Item.**
- Item 39: **Topsoil Stabilization, Type 2 Mat** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 40: **Topsoiling, 4" Thick** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 41: **Fertilizing And Seeding, Type A-3** is higher than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 42: **Straw Mulching** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.

- Item 43: **Breakaway Barricade** is significantly lower than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 44: **Drums** is significantly lower than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 45: **Construction Barrier** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 46: **Temporary Seeding** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 101: **Clearing Site, Bridge** is the same as the engineer's estimate.
- Item 102: **Precast Concrete Culvert** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 103: **Excavation, Unclassified** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 104: **Coarse Aggregate, Size No. 57** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 105: **Concrete Headwall** is higher than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 106: **Beam Guide Rail, Bridge** is significantly higher than the engineer's estimate. The bid is reasonable when compared to the other bidders.
- Item 107: **Reinforcement Steel, Epoxy Coated** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.
- Item 108: **Riprap Stone Channel Protection, 24" Thick (D50=12)** is higher than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.

Item 109: **I-7 Soil Aggregate** is lower than the engineer's estimate. The bid is reasonable when compared to the engineer's estimate and the other bidders.

The low bidder was slightly lower than the estimate. The unit prices are reasonable when comparing to the other bidders.

It is our conclusion that the low bidder will not incur any financial hardship performing this work. Therefore, we recommend that the contract be awarded to Mount Construction Co, Inc, 427 S. White Horse Pike, Berlin, NJ 08009.

CITY OF VINELAND  
BLACKWATER BRANCH CULVERT REPLACEMENT  
BID TABULATION

BID OPENING DATE JANUARY 12, 2016

CONTRACT INFORMATION				BIDDER'S ESTIMATE		MOUNT CONSTRUCTION, INC			
ITEM NO.	DESCRIPTION	UNITS	CONTRACT QUANTITY	ENG. EST. UNIT PRICE	ENG. EST. TOTAL	BID UNIT PRICE	BID TOTAL	% OF ENG. EST.	\$ DIFFERENCE (CONTRACTOR - ESTIMATE)
1	MOBILIZATION	LS	1	\$25,000.00	\$ 25,000.00	\$ 10,000.00	\$ 10,000.00	40.00%	(\$15,000.00)
2	CONSTRUCTION LAYOUT	LS	1	\$5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00	200.00%	\$5,000.00
3	INLET FILTERS, TYPE 1	UNIT	2	\$20.00	\$ 40.00	\$ 100.00	\$ 200.00	500.00%	\$160.00
4	HEAVY DUTY SILT FENCE, BLACK	LF	400	\$4.00	\$ 1,600.00	\$ 5.00	\$ 2,000.00	125.00%	\$400.00
5	FLOATING TURBIDITY BARRIER, TYPE 2	LF	70	\$35.00	\$ 2,450.00	\$ 30.00	\$ 2,100.00	85.71%	(\$350.00)
6	OIL ONLY EMERGENCY SPILL KIT, TYPE 1	UNIT	1	\$200.00	\$ 200.00	\$ 500.00	\$ 500.00	250.00%	\$300.00
7	CONSTRUCTION DRIVEWAY	LS	1	\$2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00	60.00%	(\$1,000.00)
8	SEDIMENT CONTROL BAG	GF	200	\$11.00	\$ 2,200.00	\$ 4.00	\$ 800.00	36.36%	(\$1,400.00)
9	TRAFFIC CONTROL	UNIT	1	\$10,000.00	\$ 10,000.00	\$ 500.00	\$ 500.00	5.00%	(\$9,500.00)
10	CONSTRUCTION SIGNS	SF	203	\$15.00	\$ 3,045.00	\$ 10.00	\$ 2,030.00	66.67%	(\$1,015.00)
11	ASPHALT PRICE ADJUSTMENT	LS	1	\$500.00	\$ 500.00	\$ 500.00	\$ 500.00	100.00%	
12	FINAL CLEANUP	LS	1	\$2,500.00	\$ 2,500.00	\$ 500.00	\$ 500.00	20.00%	(\$2,000.00)
13	TEMPORARY COFFERDAM	UNIT	2	\$2,500.00	\$ 5,000.00	\$ 25,000.00	\$ 50,000.00	1000.00%	\$45,000.00
14	CLEARING SITE	LS	1	\$5,000.00	\$ 5,000.00	\$ 20,000.00	\$ 20,000.00	400.00%	\$15,000.00
15	60" HIGH DENSITY POLYETHYLENE PIPE	LF	90	\$300.00	\$ 27,000.00	\$ 250.00	\$ 22,500.00	83.33%	(\$4,500.00)
16	HMA MILLING, 3" OR LESS	SY	352	\$15.00	\$ 5,280.00	\$ 26.00	\$ 8,800.00	166.67%	\$3,520.00
17	-14 SOIL AGGREGATE	CY	295	\$20.00	\$ 5,900.00	\$ 30.00	\$ 8,850.00	150.00%	\$2,950.00
18	EXCAVATION, TEST PIT	CY	10	\$135.00	\$ 1,350.00	\$ 300.00	\$ 3,000.00	222.22%	\$1,650.00
19	DENSE-GRADED AGGREGATE BASE COURSE, 8" THICK	SY	498	\$13.00	\$ 6,448.00	\$ 16.00	\$ 7,440.00	115.36%	\$992.00
20	NO ITEM								
21	TACK COAT	GAL	130	\$4.00	\$ 520.00	\$ 1.00	\$ 130.00	25.00%	(\$390.00)
22	INLET, TYPE A	UNIT	2	\$7,000.00	\$ 14,000.00	\$ 2,800.00	\$ 5,600.00	40.00%	(\$8,400.00)
23	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE, 2" THICK	TON	110	\$120.00	\$ 13,200.00	\$ 125.00	\$ 13,750.00	104.17%	\$550.00
24	HOT MIX ASPHALT 19 M 64 BASE COURSE, 4" THICK	TON	116	\$100.00	\$ 11,600.00	\$ 109.00	\$ 12,644.00	109.00%	\$1,044.00
25	MANHOLE, 4' DIAMETER	UNIT	2	\$5,000.00	\$ 10,000.00	\$ 2,000.00	\$ 4,000.00	40.00%	(\$6,000.00)
26	NO ITEM								
27	NONVEGETATIVE SURFACE, HOT MIX ASPHALT, 4" THICK	SY	113	\$35.00	\$ 3,955.00	\$ 35.00	\$ 3,955.00	100.00%	
28	GABION MATTRESS	CY	12	\$300.00	\$ 3,600.00	\$ 200.00	\$ 2,400.00	66.67%	(\$1,200.00)
29	NO ITEM								
30	BEAM GUIDE RAIL	LF	147	\$31.00	\$ 4,557.00	\$ 20.00	\$ 2,940.00	64.52%	(\$1,617.00)
31	GABION WALL	CY	24	\$310.00	\$ 7,440.00	\$ 200.00	\$ 4,800.00	64.52%	(\$2,640.00)
32	FLARED GUIDE RAIL TERMINAL	UNIT	2	\$2,500.00	\$ 5,000.00	\$ 3,000.00	\$ 6,000.00	120.00%	\$1,000.00
33	BEAM GUIDE RAIL ANCHORAGE	UNIT	2	\$750.00	\$ 1,500.00	\$ 1,200.00	\$ 2,400.00	160.00%	\$900.00
34	18" CMP STORM SEWER PIPE	LF	13	\$200.00	\$ 2,600.00	\$ 175.00	\$ 2,275.00	87.50%	(\$325.00)
35	TRAFFIC STRIPES, 4"	LF	736	\$2.00	\$ 1,480.00	\$ 2.50	\$ 1,825.00	125.00%	\$365.00
36	NO ITEM								
37	RPM, BIDIRECTIONAL, AMBER LENS	UNIT	4	\$30.00	\$ 120.00	\$ 225.00	\$ 900.00	750.00%	\$780.00
38	NO ITEM								
39	TOPSOIL STABILIZATION, TYPE 2 MAT	SY	125	\$5.00	\$ 750.00	\$ 5.00	\$ 625.00	83.33%	(\$125.00)
40	TOPSOILING, 4" THICK	SY	125	\$5.00	\$ 750.00	\$ 10.00	\$ 1,250.00	166.67%	\$500.00
41	FERTILIZING AND SEEDING, TYPE A-3	SY	125	\$2.50	\$ 312.50	\$ 3.00	\$ 375.00	120.00%	\$62.50
42	STRAW MULCHING	SY	125	\$2.50	\$ 312.50	\$ 1.50	\$ 125.00	40.00%	(\$187.50)
43	BREAKAWAY BARRICADE	UNIT	16	\$140.00	\$ 2,240.00	\$ 1.00	\$ 16.00	0.71%	(\$2,224.00)
44	DRUM	UNIT	16	\$90.00	\$ 1,440.00	\$ 1.00	\$ 16.00	1.11%	(\$1,424.00)
45	CONSTRUCTION BARRIER	UNIT	10	\$70.00	\$ 700.00	\$ 500.00	\$ 5,000.00	714.28%	\$4,300.00
46	TEMPORARY SEEDING	SY	125	\$2.50	\$ 312.50	\$ 1.00	\$ 125.00	40.00%	(\$187.50)
101	CLEARING SITE, BRIDGE	LS	1	\$20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	100.00%	
102	PRECAST CONCRETE CULVERT	LF	84	\$2,000.00	\$ 168,000.00	\$ 1,400.00	\$ 117,600.00	70.00%	(\$50,400.00)
103	EXCAVATION, UNCLASSIFIED	CY	423	\$40.00	\$ 16,920.00	\$ 60.00	\$ 25,380.00	150.00%	\$8,460.00
104	COARSE AGGREGATE, SIZE NO. 57	CY	70	\$150.00	\$ 10,500.00	\$ 55.00	\$ 3,850.00	36.67%	(\$6,650.00)
105	CONCRETE HEADWALL	CY	49	\$750.00	\$ 36,750.00	\$ 900.00	\$ 44,100.00	120.00%	\$7,350.00
106	BEAM GUIDE RAIL, BRIDGE	LF	175	\$50.00	\$ 8,750.00	\$ 150.00	\$ 26,250.00	300.00%	\$17,500.00
107	REINFORCEMENT STEEL, EPOXY COATED	LD	6,800	\$3.00	\$ 20,400.00	\$ 2.00	\$ 13,600.00	66.67%	(\$6,800.00)
108	RIPRAP STONE CHANNEL PROTECTION, 24" THICK (D50-12)	CY	51	\$120.00	\$ 6,120.00	\$ 126.00	\$ 6,375.00	104.17%	\$255.00
109	-7 SOIL AGGREGATE	CY	52	\$50.00	\$ 2,600.00	\$ 40.00	\$ 2,080.00	80.00%	(\$520.00)
TOTAL ESTIMATED PROJECT COSTS				\$ 487,422.50	\$ 481,606.00				

CITY OF VINELAND  
BLACKWATER BRANCH CULVERT REPLACEMENT  
BID TABULATION

BID OPENING DATE JANUARY 12, 2016

ITEM NO.	CONTRACT INFORMATION			ENGINEER	ARTHUR R. HENRY, INC.				WALTERS MARINE CONSTRUCTION, INC.			
	DESCRIPTION	UNITS	CONTRACT QUANTITY		ENG. EST. UNIT PRICE	BID UNIT PRICE	BID TOTAL	% OF ENG. EST.	\$ DIFFERENCE (CONTRACTOR - ESTIMATE)	BID UNIT PRICE	BID TOTAL	% OF ENG. EST.
1	MOBILIZATION	LS	1	\$25,000.00	\$ 54,890.00	\$ 54,890.00	219.56%	\$29,890.00	\$ 40,000.00	\$ 40,000.00	160.00%	\$15,000.00
2	CONSTRUCTION LAYOUT	LS	1	\$5,000.00	\$ 5,000.00	\$ 5,000.00	100.00%		\$ 4,000.00	\$ 4,000.00	80.00%	(\$1,000.00)
3	INLET FILTERS, TYPE 1	UNIT	2	\$20.00	\$ 100.00	\$ 200.00	500.00%	\$160.00	\$ 150.00	\$ 300.00	750.00%	\$280.00
4	HEAVY DUTY SILT FENCE, BLACK	LF	400	\$4.00	\$ 10.00	\$ 4,000.00	250.00%	\$2,400.00	\$ 10.00	\$ 4,000.00	250.00%	\$2,400.00
5	FLOATING TURBIDITY BARRIER, TYPE 2	LF	70	\$35.00	\$ 10.00	\$ 700.00	28.57%	(\$1,750.00)	\$ 25.00	\$ 1,750.00	71.43%	(\$700.00)
6	OIL ONLY EMERGENCY SPILL KIT, TYPE 1	UNIT	1	\$200.00	\$ 200.00	\$ 200.00	100.00%		\$ 650.00	\$ 650.00	325.00%	\$450.00
7	CONSTRUCTION DRIVEWAY	LS	1	\$2,500.00	\$ 1.00	\$ 1.00	0.04%	(\$2,499.00)	\$ 3,000.00	\$ 3,000.00	120.00%	\$500.00
8	SEDIMENT CONTROL BAG	GF	200	\$11.00	\$ 0.01	\$ 2.00	0.09%	(\$2,198.00)	\$ 3.00	\$ 600.00	27.27%	(\$1,600.00)
9	TRAFFIC CONTROL	UNIT	1	\$10,000.00	\$ 10,000.00	\$ 10,000.00	100.00%		\$ 2,500.00	\$ 2,500.00	25.00%	(\$7,500.00)
10	CONSTRUCTION SIGNS	GF	203	\$15.00	\$ 15.00	\$ 3,045.00	100.00%		\$ 12.00	\$ 2,436.00	80.00%	(\$509.00)
11	ASPHALT PRICE ADJUSTMENT	LS	1	\$500.00	\$ 600.00	\$ 600.00	100.00%		\$ 600.00	\$ 600.00	100.00%	
12	FINAL CLEANUP	LS	1	\$2,500.00	\$ 100.00	\$ 100.00	4.00%	(\$2,400.00)	\$ 1,500.00	\$ 1,500.00	60.00%	(\$1,000.00)
13	TEMPORARY COFFLEDDAM	UNIT	2	\$2,500.00	\$35,000.00	\$ 70,000.00	1400.00%	\$35,000.00	\$50,000.00	\$100,000.00	2000.00%	\$95,000.00
14	CLEARING SITE	LS	1	\$8,000.00	\$ 5,000.00	\$ 5,000.00	100.00%		\$ 8,000.00	\$ 8,000.00	160.00%	\$3,000.00
15	60" HIGH DENSITY POLYETHYLENE PIPE	LF	90	\$300.00	\$ 100.00	\$ 9,000.00	33.33%	(\$18,000.00)	\$ 300.00	\$ 27,000.00	100.00%	
16	HMA MILLING, 3" OR LESS	SY	352	\$15.00	\$ 30.00	\$ 10,560.00	200.00%	\$5,280.00	\$ 12.00	\$ 4,224.00	80.00%	(\$1,056.00)
17	#14 SOIL AGGREGATE	CY	285	\$20.00	\$ 0.01	\$ 2.85	0.05%	(\$5,687.05)	\$ 32.00	\$ 9,440.00	180.00%	\$3,540.00
18	EXCAVATION, TEST PIT	CY	10	\$135.00	\$ 300.00	\$ 3,000.00	222.22%	\$1,650.00	\$ 62.00	\$ 620.00	45.89%	(\$730.00)
19	DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK	SY	485	\$13.00	\$ 10.00	\$ 4,850.00	76.92%	(\$1,486.00)	\$ 10.00	\$ 4,850.00	76.92%	(\$1,486.00)
20	NO ITEM											
21	TACK COAT	QAL	130	\$4.00	\$ 0.01	\$ 1.30	0.25%	(\$518.70)	\$ 1.00	\$ 130.00	25.00%	(\$380.00)
22	INLET, TYPE A	UNIT	2	\$7,000.00	\$ 4,000.00	\$ 8,000.00	57.14%	(\$8,000.00)	\$ 3,000.00	\$ 6,000.00	42.86%	(\$8,000.00)
23	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE, 2" THICK	TON	110	\$120.00	\$ 110.00	\$ 12,100.00	91.67%	(\$1,100.00)	\$ 125.00	\$ 13,750.00	104.17%	\$550.00
24	HOT MIX ASPHALT 19 M 64 BASE COURSE, 4" THICK	TON	116	\$100.00	\$ 105.00	\$ 12,180.00	105.00%	\$680.00	\$ 100.00	\$ 11,600.00	100.00%	
25	MANHOLE, 4' DIAMETER	UNIT	2	\$5,000.00	\$ 5,000.00	\$ 10,000.00	100.00%		\$ 3,000.00	\$ 6,000.00	60.00%	(\$4,000.00)
26	NO ITEM											
27	NONVEGETATIVE SURFACE, HOT MIX ASPHALT, 4" THICK	SY	113	\$35.00	\$ 33.00	\$ 3,729.00	94.29%	(\$228.00)	\$ 35.00	\$ 3,955.00	100.00%	
28	GABION MATTRESS	CY	12	\$300.00	\$ 200.00	\$ 2,400.00	66.67%	(\$1,200.00)	\$ 600.00	\$ 7,200.00	200.00%	\$3,600.00
29	NO ITEM											
30	BEAM GUIDE RAIL	LF	147	\$31.00	\$ 20.00	\$ 2,940.00	64.52%	(\$1,017.00)	\$ 25.00	\$ 3,675.00	80.65%	(\$682.00)
31	GABION WALL	CY	24	\$310.00	\$ 100.00	\$ 2,400.00	32.26%	(\$5,040.00)	\$ 600.00	\$ 12,000.00	161.29%	\$4,600.00
32	FLARED GUIDE RAIL TERMINAL	UNIT	2	\$2,500.00	\$ 2,800.00	\$ 5,600.00	112.00%	\$800.00	\$ 3,000.00	\$ 6,000.00	120.00%	\$1,000.00
33	BEAM GUIDE RAIL ANCHORAGE	UNIT	2	\$750.00	\$ 1,200.00	\$ 2,400.00	160.00%	\$900.00	\$ 1,500.00	\$ 3,000.00	200.00%	\$1,500.00
34	16" CMP STORM SEWER PIPE	LF	13	\$200.00	\$ 200.00	\$ 2,600.00	100.00%		\$ 150.00	\$ 1,650.00	76.92%	(\$950.00)
35	TRAFFIC STRIPES, 4"	LF	730	\$2.00	\$ 2.20	\$ 1,606.00	110.00%	\$148.00	\$ 2.50	\$ 1,825.00	125.00%	\$365.00
36	NO ITEM											
37	RPM, BI-DIRECTIONAL, AMBER LENS	UNIT	4	\$30.00	\$ 225.00	\$ 900.00	750.00%	\$760.00	\$ 250.00	\$ 1,000.00	833.33%	\$880.00
38	NO ITEM											
39	TOPSOIL STABILIZATION, TYPE 2 MAT	SY	125	\$8.00	\$ 10.00	\$ 1,250.00	166.67%	\$500.00	\$ 10.00	\$ 1,250.00	166.67%	\$500.00
40	TOPSOILING, 4" THICK	SY	125	\$8.00	\$ 6.00	\$ 625.00	83.33%	(\$125.00)	\$ 10.00	\$ 1,250.00	160.07%	\$600.00
41	FERTILIZING AND SEEDING, TYPE A-3	SY	125	\$2.50	\$ 1.00	\$ 125.00	40.00%	(\$187.50)	\$ 2.00	\$ 250.00	80.00%	(\$82.50)
42	STRAW MULCHING	SY	125	\$2.50	\$ 1.00	\$ 125.00	40.00%	(\$187.50)	\$ 2.00	\$ 250.00	80.00%	(\$82.50)
43	BREAKAWAY BARRICADE	UNIT	18	\$140.00	\$ 0.01	\$ 0.18	0.01%	(\$2,238.84)	\$ 100.00	\$ 1,800.00	71.43%	(\$640.00)
44	DRUMS	UNIT	18	\$90.00	\$ 0.01	\$ 0.18	0.01%	(\$1,438.84)	\$ 50.00	\$ 900.00	55.56%	(\$840.00)
45	CONSTRUCTION BARRIER	UNIT	10	\$70.00	\$ 0.01	\$ 0.10	0.01%	(\$688.90)	\$ 100.00	\$ 1,000.00	142.86%	\$300.00
46	TEMPORARY SEEDING	SY	125	\$2.50	\$ 0.01	\$ 1.25	0.40%	(\$311.25)	\$ 2.00	\$ 250.00	80.00%	(\$82.50)
101	CLEARING SITE, BRIDGE	LS	1	\$20,000.00	\$ 1,000.00	\$ 1,000.00	5.00%	(\$19,000.00)	\$ 15,000.00	\$ 15,000.00	75.00%	(\$5,000.00)
102	PRECAST CONCRETE CULVERT	LF	84	\$2,000.00	\$ 1,600.00	\$ 128,000.00	75.00%	(\$42,000.00)	\$ 1,500.00	\$ 128,000.00	75.00%	(\$42,000.00)
103	EXCAVATION, UNCLASSIFIED	CY	423	\$40.00	\$ 50.00	\$ 21,160.00	125.00%	\$4,230.00	\$ 32.00	\$ 13,636.00	80.00%	(\$3,384.00)
104	COARSE AGGREGATE, SIZE NO. 57	CY	70	\$150.00	\$ 200.00	\$ 14,000.00	133.33%	\$3,600.00	\$ 100.00	\$ 7,000.00	68.87%	(\$3,500.00)
105	CONCRETE HEADWALL	CY	48	\$750.00	\$ 1,855.00	\$ 90,865.00	247.33%	\$54,145.00	\$ 1,600.00	\$ 73,600.00	200.00%	\$36,750.00
106	BEAM GUIDE RAIL, BRIDGE	LF	175	\$50.00	\$ 140.00	\$ 24,500.00	280.00%	\$15,750.00	\$ 150.00	\$ 26,250.00	300.00%	\$17,500.00
107	REINFORCEMENT STEEL, EPOXY COATED	LB	6,800	\$3.00	\$ 2.00	\$ 13,800.00	66.87%	(\$6,800.00)	\$ 2.50	\$ 17,000.00	83.33%	(\$3,400.00)
108	RIPRAP STONE CHANNEL PROTECTION, 24" THICK (D90=12)	CY	51	\$120.00	\$ 150.00	\$ 7,650.00	125.00%	\$1,530.00	\$ 100.00	\$ 5,100.00	83.33%	(\$1,020.00)
109	#7 SOIL AGGREGATE	CY	62	\$50.00	\$ 1.00	\$ 52.00	2.00%	(\$2,548.00)	\$ 65.00	\$ 3,380.00	130.00%	\$780.00
TOTAL ESTIMATED PROJECT COSTS				\$540,980.00	\$ 540,980.00	\$ 540,980.00			\$ 540,980.00	\$ 540,980.00		\$ 540,980.00

CITY OF VINELAND  
BLACKWATER BRANCH CULVERT REPLACEMENT  
BID TABULATION

BID OPENING DATE JANUARY 12, 2016

CONTRACT INFORMATION				ENGINE				PERNA CONSTRUCTION, LLC				RICHARD E. PIERSON CONST. CO. INC.			
ITEM NO.	DESCRIPTION	UNIT	CONTRACT QUANTITY	EST. BUD. UNIT PRICE	BID UNIT PRICE	BID TOTAL	% OF BUD. BKT.	\$ DIFFERENCE (CONTRACTOR ESTIMATE)	BID UNIT PRICE	BID TOTAL	% OF BUD. BKT.	\$ DIFFERENCE (CONTRACTOR ESTIMATE)			
1	MOBILIZATION	LS	1	\$25,000.00	\$ 20,000.00	\$ 20,000.00	80.00%	(\$5,000.00)	\$ 50,000.00	\$ 50,000.00	200.00%	\$25,000.00			
2	CONSTRUCTION LAYOUT	LS	1	\$5,000.00	\$ 5,600.00	\$ 5,600.00	110.00%	\$600.00	\$ 2,500.00	\$ 2,500.00	50.00%	(\$2,500.00)			
3	INLET FILTERS, TYPE 1	UNIT	2	\$20.00	\$ 250.00	\$ 500.00	1250.00%	\$480.00	\$ 100.00	\$ 200.00	500.00%	\$180.00			
4	HEAVY DUTY SILT FENCE, BLACK	LF	400	\$4.00	\$ 10.00	\$ 4,000.00	250.00%	\$2,400.00	\$ 13.00	\$ 5,200.00	325.00%	\$3,800.00			
5	FLOATING TURBIDITY BARRIER, TYPE 2	LF	70	\$35.00	\$ 15.00	\$ 1,050.00	42.86%	(\$1,400.00)	\$ 30.00	\$ 2,100.00	85.71%	(\$350.00)			
6	OIL ONLY EMERGENCY SPILL KIT, TYPE 1	UNIT	1	\$200.00	\$ 500.00	\$ 500.00	250.00%	\$300.00	\$ 1.00	\$ 1.00	0.50%	(\$199.00)			
7	CONSTRUCTION DRIVEWAY	LS	1	\$2,800.00	\$ 2,500.00	\$ 2,500.00	100.00%		\$ 1,000.00	\$ 1,000.00	40.00%	(\$1,500.00)			
8	SEDIMENT CONTROL BAG	SF	200	\$11.00	\$ 15.00	\$ 3,000.00	136.36%	\$800.00	\$ 8.00	\$ 1,200.00	54.55%	(\$1,000.00)			
9	TRAFFIC CONTROL	UNIT	1	\$10,000.00	\$ 5,000.00	\$ 5,000.00	50.00%	(\$5,000.00)	\$ 1,000.00	\$ 1,000.00	10.00%	(\$9,000.00)			
10	CONSTRUCTION SIGNS	SF	203	\$18.00	\$ 15.00	\$ 3,045.00	100.00%		\$ 11.00	\$ 2,233.00	73.33%	(\$812.00)			
11	ASPHALT PRICE ADJUSTMENT	LS	1	\$500.00	\$ 500.00	\$ 500.00	100.00%		\$ 500.00	\$ 500.00	100.00%				
12	FINAL CLEANUP	LS	1	\$2,500.00	\$ 5,000.00	\$ 5,000.00	200.00%	\$2,500.00	\$ 500.00	\$ 500.00	20.00%	(\$2,000.00)			
13	TEMPORARY COFFERDAM	UNIT	2	\$2,500.00	\$ 10,000.00	\$ 20,000.00	400.00%	\$15,000.00	\$ 50,000.00	\$ 100,000.00	2000.00%	\$85,000.00			
14	CLEARING SITE	LS	1	\$5,000.00	\$ 25,000.00	\$ 25,000.00	500.00%	\$20,000.00	\$ 5,000.00	\$ 5,000.00	100.00%				
15	60" HIGH DENSITY POLYETHYLENE PIPE	LF	90	\$300.00	\$ 300.00	\$ 27,000.00	100.00%		\$ 0.01	\$ 0.80	0.00%	(\$26,999.10)			
16	HMA MILLING, 3" OR LESS	SY	352	\$15.00	\$ 10.00	\$ 3,520.00	66.67%	(\$1,700.00)	\$ 4.00	\$ 1,408.00	26.67%	(\$3,872.00)			
17	H14 SOIL AGGREGATE	CY	295	\$20.00	\$ 100.00	\$ 29,500.00	500.00%	\$23,800.00	\$ 30.00	\$ 8,850.00	150.00%	\$2,850.00			
18	EXCAVATION, TEST PIT	CY	10	\$135.00	\$ 150.00	\$ 1,500.00	111.11%	\$160.00	\$ 320.00	\$ 3,200.00	237.04%	\$1,850.00			
19	DENGE-GRADED AGGREGATE BASE COURSE, 6" THICK	SY	496	\$13.00	\$ 25.00	\$ 12,400.00	192.31%	\$5,822.00	\$ 13.60	\$ 6,868.00	103.85%	\$248.00			
20	NO ITEM														
21	TACK COAT	GAL	130	\$4.00	\$ 20.00	\$ 2,600.00	500.00%	\$2,080.00	\$ 2.50	\$ 325.00	62.50%	(\$195.00)			
22	INLET, TYPE A	UNIT	2	\$7,000.00	\$ 4,200.00	\$ 8,400.00	60.00%	(\$5,800.00)	\$ 5,000.00	\$ 10,000.00	71.43%	(\$4,000.00)			
23	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE, 2" THICK	TON	110	\$120.00	\$ 150.00	\$ 16,500.00	125.00%	\$3,300.00	\$ 110.00	\$ 12,100.00	91.67%	(\$1,100.00)			
24	HOT MIX ASPHALT 10 M 64 BASE COURSE, 4" THICK	TON	116	\$100.00	\$ 165.00	\$ 19,140.00	165.00%	\$7,540.00	\$ 105.00	\$ 12,180.00	105.00%	\$580.00			
25	MANHOLE, 4' DIAMETER	UNIT	2	\$5,000.00	\$ 5,000.00	\$ 10,000.00	100.00%		\$ 5,000.00	\$ 10,000.00	100.00%				
26	NO ITEM														
27	NONVEGETATIVE SURFACE, HOT MIX ASPHALT, 4" THICK	SY	113	\$35.00	\$ 100.00	\$ 11,300.00	285.71%	\$7,345.00	\$ 22.00	\$ 2,486.00	62.86%	(\$1,469.00)			
28	GABION MATTRESS	CY	12	\$300.00	\$ 250.00	\$ 3,000.00	83.33%	(\$800.00)	\$ 380.00	\$ 4,560.00	126.67%	\$980.00			
29	NO ITEM														
30	BEAM GUIDE RAIL	LF	147	\$31.00	\$ 50.00	\$ 7,350.00	161.29%	\$2,793.00	\$ 22.00	\$ 3,234.00	70.97%	(\$1,323.00)			
31	GABION WALL	CY	24	\$310.00	\$ 250.00	\$ 6,000.00	80.65%	(\$1,440.00)	\$ 380.00	\$ 9,120.00	122.56%	\$1,860.00			
32	FLARED GUIDE RAIL TERMINAL	UNIT	2	\$2,500.00	\$ 4,000.00	\$ 8,000.00	160.00%	\$3,000.00	\$ 2,500.00	\$ 5,000.00	100.00%				
33	BEAM GUIDE RAIL ANCHORAGE	UNIT	2	\$750.00	\$ 1,500.00	\$ 3,000.00	200.00%	\$1,500.00	\$ 900.00	\$ 1,800.00	120.00%	\$300.00			
34	18" CMP STORM SEWER PIPE	LF	13	\$200.00	\$ 200.00	\$ 2,600.00	100.00%		\$ 180.00	\$ 2,340.00	90.00%	(\$260.00)			
35	TRAFFIC STRIPES, 4"	LF	730	\$2.00	\$ 5.00	\$ 3,650.00	250.00%	\$2,190.00	\$ 1.80	\$ 1,188.00	80.00%	(\$292.00)			
36	NO ITEM														
37	RPM, BI-DIRECTIONAL, AMBER LENS	UNIT	4	\$30.00	\$ 500.00	\$ 2,000.00	1666.67%	\$1,880.00	\$ 32.00	\$ 128.00	106.67%	\$6.00			
38	NO ITEM														
39	TOPSOIL STABILIZATION, TYPE 2 MAT	SY	125	\$5.00	\$ 15.00	\$ 1,875.00	250.00%	\$1,125.00	\$ 4.20	\$ 525.00	70.00%	(\$225.00)			
40	TOPSOILING, 4" THICK	SY	125	\$8.00	\$ 15.00	\$ 1,875.00	250.00%	\$1,125.00	\$ 4.20	\$ 525.00	70.00%	(\$225.00)			
41	FERTILIZING AND SEEDING, TYPE A-3	SY	125	\$2.50	\$ 15.00	\$ 1,875.00	600.00%	\$1,682.50	\$ 5.25	\$ 656.25	210.00%	\$343.75			
42	STRAW MULCHING	SY	125	\$2.50	\$ 10.00	\$ 1,250.00	400.00%	\$937.50	\$ 2.15	\$ 268.75	86.00%	(\$43.75)			
43	BREAKAWAY BARRICADE	UNIT	18	\$140.00	\$ 100.00	\$ 1,800.00	71.43%	(\$800.00)	\$ 0.01	\$ 0.16	0.01%	(\$2,239.84)			
44	DRUMS	UNIT	18	\$80.00	\$ 100.00	\$ 1,800.00	111.11%	\$180.00	\$ 0.01	\$ 0.16	0.01%	(\$1,439.84)			
45	CONSTRUCTION BARRIER	UNIT	10	\$70.00	\$ 200.00	\$ 2,000.00	285.71%	\$1,300.00	\$ 100.00	\$ 1,000.00	142.86%	\$300.00			
46	TEMPORARY SEEDING	SY	125	\$2.50	\$ 15.00	\$ 1,875.00	600.00%	\$1,682.50	\$ 2.00	\$ 250.00	80.00%	(\$62.50)			
101	CLEARING SITE, BRIDGE	LS	1	\$20,000.00	\$ 25,000.00	\$ 25,000.00	125.00%	\$5,000.00	\$ 20,000.00	\$ 20,000.00	100.00%				
102	PRECAST CONCRETE CULVERT	LF	84	\$2,000.00	\$ 1,725.00	\$ 144,800.00	86.25%	(\$23,100.00)	\$ 1,080.00	\$ 90,720.00	64.00%	(\$77,280.00)			
103	EXCAVATION, UNCLASSIFIED	CY	423	\$40.00	\$ 75.00	\$ 31,725.00	187.50%	\$14,805.00	\$ 75.00	\$ 31,725.00	187.50%	\$14,805.00			
104	COARSE AGGREGATE, SIZE NO. 57	CY	70	\$150.00	\$ 100.00	\$ 7,000.00	66.67%	(\$3,500.00)	\$ 270.00	\$ 18,900.00	180.00%	\$8,400.00			
105	CONCRETE HEADWALL	CY	48	\$750.00	\$ 1,000.00	\$ 48,000.00	133.33%	\$12,250.00	\$ 2,600.00	\$ 122,600.00	333.33%	\$65,750.00			
106	BEAM GUIDE RAIL, BRIDGE	LF	175	\$50.00	\$ 110.00	\$ 19,250.00	220.00%	\$10,500.00	\$ 94.00	\$ 16,450.00	188.00%	\$7,700.00			
107	REINFORCEMENT STEEL, EPOXY COATED	LD	8,800	\$3.00	\$ 3.00	\$ 20,400.00	100.00%		\$ 2.55	\$ 17,340.00	85.00%	(\$3,060.00)			
108	RIPRAP STONE CHANNEL PROTECTION, 24" THICK (D60-12)	CY	51	\$120.00	\$ 100.00	\$ 5,100.00	83.33%	(\$1,020.00)	\$ 100.00	\$ 5,100.00	83.33%	(\$1,020.00)			
109	1/2 SOIL AGGREGATE	CY	52	\$50.00	\$ 100.00	\$ 5,200.00	200.00%	\$2,800.00	\$ 150.00	\$ 7,800.00	300.00%	\$5,200.00			
TOTAL ESTIMATED PROJECT COSTS				\$2,200,000.00	\$2,200,000.00	\$94,580.00		\$94,580.00	\$2,200,000.00	\$2,200,000.00	\$99,790.22				

CITY OF VINELAND  
BLACKWATER BRANCH CULVERTY REPLACEMENT  
BID TABULATION

BID OPENING DATE JANUARY 12, 2016

CONTRACT INFORMATION				FRED M. SCHIAYONE CONST. INC.					MARBRO, INC.				
ITEM NO.	DESCRIPTION	UNIT	CONTRACT QUANTITY	ENG. EST UNIT PRICE	BID UNIT PRICE	BID TOTAL	% OF ENG. EST.	\$ DIFFERENCE (CONTRACTOR - ESTIMATE)	BID UNIT PRICE	BID TOTAL	% OF ENG. EST.	\$ DIFFERENCE (CONTRACTOR - ESTIMATE)	
1	MOBILIZATION	LS	1	\$25,000.00	\$ 11,000.00	\$ 11,000.00	44.00%	(\$14,000.00)	\$ 70,000.00	\$ 70,000.00	280.00%	\$45,000.00	
2	CONSTRUCTION LAYOUT	LS	1	\$5,000.00	\$ 8,800.00	\$ 8,800.00	176.00%	\$3,800.00	\$ 3,000.00	\$ 3,000.00	60.00%	(\$2,000.00)	
3	INLET FILTERS, TYPE 1	UNIT	2	\$20.00	\$ 275.00	\$ 550.00	1375.00%	\$510.00	\$ 115.00	\$ 230.00	575.00%	\$180.00	
4	HEAVY DUTY SILT FENCE, BLACK	LF	400	\$4.00	\$ 5.50	\$ 2,200.00	137.50%	\$800.00	\$ 7.00	\$ 2,800.00	175.00%	\$1,200.00	
5	FLOATING TURBIDITY BARRIER, TYPE 2	LF	70	\$35.00	\$ 10.70	\$ 1,169.00	47.71%	(\$1,281.00)	\$ 12.20	\$ 854.00	34.86%	(\$1,590.00)	
6	OIL ONLY EMERGENCY SPILL KIT, TYPE 1	UNIT	1	\$200.00	\$ 770.00	\$ 770.00	385.00%	\$570.00	\$ 1,200.00	\$ 1,200.00	600.00%	\$1,000.00	
7	CONSTRUCTION DRIVEWAY	LS	1	\$2,000.00	\$ 38.50	\$ 38.50	1.93%	(\$1,961.50)	\$ 4,000.00	\$ 4,000.00	100.00%	\$1,500.00	
8	SEDIMENT CONTROL BAG	SF	200	\$11.00	\$ 7.70	\$ 1,540.00	70.00%	(\$300.00)	\$ 1.00	\$ 200.00	9.09%	(\$2,000.00)	
9	TRAFFIC CONTROL	UNIT	1	\$10,000.00	\$ 1,100.00	\$ 1,100.00	11.00%	(\$8,900.00)	\$ 0.01	\$ 0.01	0.00%	(\$9,999.99)	
10	CONSTRUCTION SIGNS	SF	203	\$15.00	\$ 12.10	\$ 2,456.30	80.67%	(\$258.70)	\$ 10.00	\$ 2,030.00	66.67%	(\$1,015.00)	
11	ASPHALT PRICE ADJUSTMENT	LS	1	\$500.00	\$ 500.00	\$ 500.00	100.00%		\$ 500.00	\$ 500.00	100.00%		
12	FINAL CLEANUP	LS	1	\$2,800.00	\$ 275.00	\$ 275.00	11.00%	(\$2,225.00)	\$ 5,000.00	\$ 5,000.00	200.00%	\$2,500.00	
13	TEMPORARY COFFERDAM	UNIT	2	\$2,600.00	#####	\$ 200,200.00	4004.00%	\$195,200.00	\$ 20,000.00	\$ 40,000.00	800.00%	\$35,000.00	
14	CLEARING SITE	LS	1	\$5,000.00	\$33,000.00	\$ 33,000.00	660.00%	\$28,000.00	\$ 6,000.00	\$ 6,000.00	120.00%	\$1,000.00	
15	60" HIGH DENSITY POLYETHYLENE PIPE	LF	90	\$300.00	\$ 248.80	\$ 22,374.00	82.87%	(\$4,626.00)	\$ 100.00	\$ 9,000.00	33.33%	(\$18,000.00)	
16	HMA MILLING, 3" OR LESS	SY	352	\$15.00	\$ 11.00	\$ 3,872.00	73.33%	(\$1,406.00)	\$ 20.00	\$ 7,040.00	133.33%	\$1,760.00	
17	1/4 SOIL AGGREGATE	CY	295	\$20.00	\$ 30.80	\$ 8,086.00	154.00%	\$3,186.00	\$ 70.00	\$ 20,850.00	350.00%	\$14,750.00	
18	EXCAVATION, TEST PIT	CY	10	\$135.00	\$ 2.75	\$ 27.50	2.04%	(\$1,322.50)	\$ 120.00	\$ 1,200.00	88.89%	(\$150.00)	
19	DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK	SY	498	\$13.00	\$ 8.25	\$ 4,092.00	63.46%	(\$2,356.00)	\$ 15.00	\$ 7,440.00	116.38%	\$992.00	
20	NO ITEM					\$ -							
21	TACK COAT	GAL	130	\$4.00	\$ 1.85	\$ 214.50	41.25%	(\$305.50)	\$ 0.01	\$ 1.30	0.25%	(\$518.70)	
22	INLET, TYPE A	UNIT	2	\$7,000.00	\$ 2,801.50	\$ 5,203.00	37.16%	(\$8,797.00)	\$ 3,500.00	\$ 7,000.00	50.00%	(\$7,000.00)	
23	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE, 2" THICK	TON	110	\$120.00	\$ 137.50	\$ 15,125.00	114.68%	\$1,925.00	\$ 150.00	\$ 16,500.00	125.00%	\$3,300.00	
24	HOT MIX ASPHALT 10 M 64 BASE COURSE, 4" THICK	TON	116	\$100.00	\$ 137.50	\$ 15,950.00	137.50%	\$4,350.00	\$ 140.00	\$ 16,240.00	140.00%	\$4,840.00	
25	MANHOLE, 4' DIAMETER	UNIT	2	\$5,000.00	\$ 2,794.00	\$ 5,588.00	55.88%	(\$4,412.00)	\$ 4,000.00	\$ 8,000.00	80.00%	(\$2,000.00)	
26	NO ITEM												
27	NONVEGETATIVE SURFACE, HOT MIX ASPHALT, 4" THICK	SY	113	\$35.00	\$ 36.30	\$ 4,101.90	103.71%	\$148.90	\$ 40.00	\$ 4,520.00	114.29%	\$585.00	
28	GABION MATTRESS	CY	12	\$300.00	\$ 346.50	\$ 4,158.00	115.50%	\$558.00	\$ 550.00	\$ 6,600.00	183.33%	\$3,000.00	
29	NO ITEM												
30	BEAM GUIDE RAIL	LF	147	\$31.00	\$ 22.00	\$ 3,234.00	70.97%	(\$1,023.00)	\$ 30.00	\$ 4,410.00	98.77%	(\$147.00)	
31	GABION WALL	CY	24	\$310.00	\$ 346.50	\$ 8,316.00	111.77%	\$978.00	\$ 250.00	\$ 6,000.00	80.65%	(\$1,440.00)	
32	FLARED GUIDE RAIL TERMINAL	UNIT	2	\$2,500.00	\$ 3,074.50	\$ 6,149.00	122.98%	\$1,149.00	\$ 3,000.00	\$ 6,000.00	120.00%	\$1,000.00	
33	BEAM GUIDE RAIL ANCHORAGE	UNIT	2	\$750.00	\$ 1,314.50	\$ 2,629.00	175.27%	\$1,129.00	\$ 1,000.00	\$ 2,000.00	133.33%	\$500.00	
34	16" CMP STORM SEWER PIPE	LF	13	\$200.00	\$ 62.70	\$ 815.10	31.35%	(\$1,784.90)	\$ 100.00	\$ 1,300.00	50.00%	(\$1,300.00)	
35	TRAFFIC STRIPES, 4"	LF	730	\$2.00	\$ 2.42	\$ 1,766.60	121.00%	\$308.60	\$ 2.20	\$ 1,606.00	110.00%	\$148.00	
36	NO ITEM												
37	RPM, BI-DIRECTIONAL, AMBER LENS	UNIT	4	\$30.00	\$ 247.50	\$ 990.00	825.00%	\$970.00	\$ 225.00	\$ 900.00	750.00%	\$780.00	
38	NO ITEM												
39	TOPSOIL STABILIZATION, TYPE 2 MAT	SY	125	\$5.00	\$ 9.52	\$ 1,190.00	156.87%	\$440.00	\$ 1.00	\$ 125.00	16.67%	(\$625.00)	
40	TOPSOILING, 4" THICK	SY	125	\$5.00	\$ 7.92	\$ 990.00	132.00%	\$240.00	\$ 12.00	\$ 1,500.00	200.00%	\$750.00	
41	FERTILIZING AND SEEDING, TYPE A-3	SY	125	\$2.80	\$ 5.50	\$ 687.50	220.00%	\$375.00	\$ 1.00	\$ 125.00	40.00%	(\$187.50)	
42	STRAW MULCHING	SY	125	\$2.80	\$ 3.30	\$ 412.50	132.00%	\$100.00	\$ 1.00	\$ 125.00	40.00%	(\$187.50)	
43	BREAKAWAY BARRICADE	UNIT	16	\$140.00	\$ 55.00	\$ 880.00	39.29%	(\$1,360.00)	\$ 100.00	\$ 1,600.00	71.43%	(\$840.00)	
44	DRUMS	UNIT	16	\$90.00	\$ 55.00	\$ 880.00	61.11%	(\$590.00)	\$ 75.00	\$ 1,200.00	83.33%	(\$240.00)	
45	CONSTRUCTION BARRIER	UNIT	10	\$70.00	\$ 27.50	\$ 275.00	39.29%	(\$425.00)	\$ 750.00	\$ 7,500.00	1071.43%	\$8,800.00	
46	TEMPORARY SEEDING	SY	125	\$2.80	\$ 1.32	\$ 165.00	52.80%	(\$147.50)	\$ 0.01	\$ 1.25	0.40%	(\$311.25)	
101	CLEARING SITE, BRIDGE	LS	1	\$20,000.00	\$13,750.00	\$ 13,750.00	68.75%	(\$6,250.00)	\$ 162,869.44	\$ 162,869.44	914.35%	\$162,869.44	
102	PRECAST CONCRETE CULVERT	LF	84	\$2,000.00	\$ 1,012.00	\$ 85,008.00	50.60%	(\$82,992.00)	\$ 1,500.00	\$ 126,000.00	75.00%	(\$42,000.00)	
103	EXCAVATION, UNCLASSIFIED	CY	423	\$40.00	\$ 27.60	\$ 11,682.50	68.75%	(\$5,287.50)	\$ 75.00	\$ 31,725.00	187.50%	\$14,805.00	
104	COARSE AGGREGATE, SIZE NO. 57	CY	70	\$180.00	\$ 57.20	\$ 4,004.00	31.78%	(\$6,496.00)	\$ 30.00	\$ 2,100.00	20.00%	(\$8,400.00)	
105	CONCRETE HEADWALL	CY	49	\$750.00	\$ 1,559.50	\$ 76,285.50	207.53%	\$39,518.50	\$ 1,000.00	\$ 49,000.00	133.33%	\$12,260.00	
106	BEAM GUIDE RAIL, BRIDGE	LF	175	\$60.00	\$ 161.70	\$ 28,297.50	323.40%	\$19,547.50	\$ 175.00	\$ 30,625.00	350.00%	\$21,875.00	
107	REINFORCEMENT STEEL, EPOXY COATED	LB	6,800	\$5.00	\$ 1.67	\$ 11,356.00	55.67%	(\$6,044.00)	\$ 2.00	\$ 13,600.00	68.67%	(\$6,800.00)	
108	RIPRAP STONE CHANNEL PROTECTION, 24" THICK (D60-12)	CY	51	\$120.00	\$ 110.00	\$ 6,114.00	91.67%	(\$510.00)	\$ 160.00	\$ 8,160.00	133.33%	\$2,040.00	
109	1/2 SOIL AGGREGATE	CY	52	\$50.00	\$ 59.40	\$ 3,088.80	118.80%	\$488.80	\$ 70.00	\$ 3,640.00	140.00%	\$1,040.00	
TOTAL ESTIMATED PROJECT COSTS						\$ 622,290.60						\$ 722,417.00	



CITY OF VINELAND  
BLACKWATER BRANCH CULVERT REPLACEMENT  
BID TABULATION

BID OPENING DATE JANUARY 12, 2016

CONTRACT INFORMATION				ENGINEER: SOUTH STATE, INC.					MATHEIS CONSTRUCTION CO., INC.				
ITEM NO.	DESCRIPTION	UNITS	CONTRACT QUANTITY	EST. UNIT PRICE	BID UNIT PRICE	BID TOTAL	% OF BNG. EST.	\$ DIFFERENCE (CONTRACTOR ESTIMATE)	BID UNIT PRICE	BID TOTAL	% OF BNG. EST.	\$ DIFFERENCE (CONTRACTOR ESTIMATE)	
1	MOBILIZATION	LS	1	\$28,000.00	\$ 73,000.00	\$ 73,000.00	282.00%	\$48,000.00	\$ 30,000.00	\$ 30,000.00	120.00%	\$6,000.00	
2	CONSTRUCTION LAYOUT	LS	1	\$5,000.00	\$ 1,000.00	\$ 1,000.00	20.00%	(\$4,000.00)	\$ 7,500.00	\$ 7,500.00	150.00%	\$2,500.00	
3	INLET FILTERS, TYPE 1	UNIT	2	\$20.00	\$ 1.00	\$ 2.00	5.00%	(\$38.00)	\$ 330.00	\$ 660.00	1650.00%	\$820.00	
4	HEAVY DUTY SILT FENCE, BLACK	LF	400	\$4.00	\$ 10.00	\$ 4,000.00	250.00%	\$2,400.00	\$ 8.00	\$ 2,400.00	150.00%	\$600.00	
5	FLOATING TURBIDITY BARRIER, TYPE 2	LF	70	\$35.00	\$ 50.00	\$ 3,500.00	142.86%	\$1,050.00	\$ 30.00	\$ 2,730.00	111.43%	\$280.00	
6	OIL ONLY EMERGENCY SPILL KIT, TYPE 1	UNIT	1	\$200.00	\$ 100.00	\$ 100.00	50.00%	(\$100.00)	\$ 550.00	\$ 550.00	275.00%	\$350.00	
7	CONSTRUCTION DRIVEWAY	LS	1	\$2,500.00	\$ 1.00	\$ 1.00	0.04%	(\$2,499.00)	\$ 750.00	\$ 750.00	30.00%	(\$1,750.00)	
8	SEDIMENT CONTROL BAG	SF	200	\$11.00	\$ 1.00	\$ 200.00	9.09%	(\$2,000.00)	\$ 1.00	\$ 200.00	9.09%	(\$2,000.00)	
9	TRAFFIC CONTROL	UNIT	1	\$10,000.00	\$ 1,000.00	\$ 1,000.00	10.00%	(\$9,000.00)	\$ 10,000.00	\$ 10,000.00	100.00%		
10	CONSTRUCTION SIGNS	SF	203	\$15.00	\$ 7.00	\$ 1,421.00	46.67%	(\$1,024.00)	\$ 12.00	\$ 2,436.00	80.00%	(\$609.00)	
11	ASPHALT PRICE ADJUSTMENT	LS	1	\$600.00	\$ 500.00	\$ 500.00	100.00%		\$ 500.00	\$ 500.00	100.00%		
12	FINAL CLEANUP	LS	1	\$2,500.00	\$ 100.00	\$ 100.00	4.00%	(\$2,400.00)	\$25,000.00	\$ 25,000.00	1000.00%	\$22,500.00	
13	TEMPORARY COFFERDAM	UNIT	2	\$2,500.00	\$ 1.00	\$ 2.00	0.04%	(\$4,998.00)	\$20,000.00	\$ 40,000.00	800.00%	\$35,000.00	
14	CLEARING SITE	LS	1	\$5,000.00	\$ 15,000.00	\$ 15,000.00	300.00%	\$10,000.00	\$75,000.00	\$ 75,000.00	1500.00%	\$70,000.00	
15	60" HIGH DENSITY POLYETHYLENE PIPE	LF	90	\$300.00	\$ 300.00	\$ 27,000.00	100.00%		\$ 325.00	\$ 29,250.00	106.33%	\$2,250.00	
16	HMA MILLING, 3" OR LESS	SY	352	\$15.00	\$ 25.00	\$ 8,800.00	166.67%	\$3,520.00	\$ 18.00	\$ 5,832.00	108.67%	\$352.00	
17	1/4 SOIL AGGREGATE	CY	295	\$20.00	\$ 80.00	\$ 23,600.00	400.00%	\$17,700.00	\$ 30.00	\$ 8,850.00	160.00%	\$2,950.00	
18	EXCAVATION, TEST PIT	CY	10	\$135.00	\$ 100.00	\$ 1,000.00	74.07%	(\$350.00)	\$ 100.00	\$ 1,000.00	74.07%	(\$350.00)	
19	DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK	SY	498	\$13.00	\$ 17.00	\$ 8,432.00	130.77%	\$1,864.00	\$ 18.00	\$ 8,928.00	136.48%	\$2,480.00	
20	NO ITEM												
21	TACK COAT	QAL	130	\$4.00	\$ 0.01	\$ 1.30	0.25%	(\$616.70)	\$ 2.00	\$ 260.00	50.00%	(\$260.00)	
22	INLET, TYPE A	UNIT	2	\$7,000.00	\$ 3,300.00	\$ 6,600.00	47.14%	(\$7,400.00)	\$ 3,000.00	\$ 6,000.00	42.86%	(\$8,000.00)	
23	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE, 2" THICK	TON	110	\$120.00	\$ 126.00	\$ 13,860.00	104.17%	\$660.00	\$ 130.00	\$ 14,300.00	108.33%	\$1,100.00	
24	HOT MIX ASPHALT 19 M 64 BASE COURSE, 4" THICK	TON	118	\$100.00	\$ 115.00	\$ 13,340.00	115.00%	\$1,740.00	\$ 112.00	\$ 12,992.00	112.00%	\$1,392.00	
25	MANHOLE, 4' DIAMETER	UNIT	2	\$3,000.00	\$ 500.00	\$ 1,000.00	10.00%	(\$9,000.00)	\$ 3,000.00	\$ 6,000.00	80.00%	(\$4,000.00)	
26	NO ITEM												
27	NONVEGETATIVE SURFACE, HOT MIX ASPHALT, 4" THICK	SY	113	\$35.00	\$ 40.00	\$ 4,520.00	114.29%	\$595.00	\$ 38.00	\$ 4,294.00	108.57%	\$336.00	
28	GABION MATTRESS	CY	12	\$300.00	\$ 675.00	\$ 8,100.00	225.00%	\$4,500.00	\$ 370.00	\$ 4,440.00	123.33%	\$840.00	
29	NO ITEM												
30	BEAM GUIDE RAIL	LF	147	\$31.00	\$ 21.00	\$ 3,087.00	67.74%	(\$1,470.00)	\$ 22.00	\$ 3,234.00	70.67%	(\$1,323.00)	
31	GABION WALL	CY	24	\$310.00	\$ 525.00	\$ 12,600.00	169.35%	\$6,180.00	\$ 370.00	\$ 8,880.00	119.36%	\$1,440.00	
32	FLARED GUIDE RAIL TERMINAL	UNIT	2	\$2,800.00	\$ 2,400.00	\$ 4,800.00	98.00%	(\$200.00)	\$ 3,100.00	\$ 6,200.00	124.00%	\$1,200.00	
33	BEAM GUIDE RAIL ANCHORAGE	UNIT	2	\$750.00	\$ 850.00	\$ 1,700.00	113.33%	\$200.00	\$ 1,500.00	\$ 3,000.00	200.00%	\$1,500.00	
34	15" CMP STORM SEWER PIPE	LF	13	\$200.00	\$ 337.00	\$ 4,381.00	168.50%	\$1,781.00	\$ 120.00	\$ 1,560.00	60.00%	(\$1,040.00)	
35	TRAFFIC STRIPES, 4"	LF	730	\$2.00	\$ 2.50	\$ 1,825.00	125.00%	\$365.00	\$ 3.30	\$ 2,409.00	165.00%	\$949.00	
36	NO ITEM												
37	RPM, BI-DIRECTIONAL, AMBER LENS	UNIT	4	\$30.00	\$ 225.00	\$ 900.00	750.00%	\$780.00	\$ 220.00	\$ 880.00	733.33%	\$780.00	
38	NO ITEM												
39	TOPSOIL STABILIZATION, TYPE 2 MAT	SY	125	\$6.00	\$ 5.00	\$ 625.00	83.33%	(\$125.00)	\$ 6.50	\$ 812.50	108.33%	\$82.50	
40	TOPSOILING, 4" THICK	SY	125	\$6.00	\$ 13.00	\$ 1,625.00	216.67%	\$675.00	\$ 20.00	\$ 2,500.00	333.33%	\$1,750.00	
41	FERTILIZING AND SEEDING, TYPE A-3	SY	125	\$2.60	\$ 0.50	\$ 62.50	20.00%	(\$250.00)	\$ 1.00	\$ 125.00	40.00%	(\$187.50)	
42	STRAW MULCHING	SY	125	\$2.50	\$ 0.50	\$ 62.50	20.00%	(\$250.00)	\$ 1.00	\$ 125.00	40.00%	(\$187.50)	
43	BREAKAWAY BARRICADE	UNIT	16	\$140.00	\$ 1.00	\$ 16.00	0.71%	(\$2,224.00)	\$ 100.00	\$ 1,600.00	71.43%	(\$640.00)	
44	DRUMS	UNIT	16	\$60.00	\$ 1.00	\$ 16.00	1.11%	(\$1,424.00)	\$ 70.00	\$ 1,120.00	77.78%	(\$320.00)	
45	CONSTRUCTION BARRIER	UNIT	10	\$70.00	\$ 20.00	\$ 200.00	28.57%	(\$500.00)	\$ 600.00	\$ 6,000.00	714.29%	\$4,300.00	
46	TEMPORARY SEEDING	SY	125	\$2.60	\$ 0.50	\$ 62.50	20.00%	(\$250.00)	\$ 9.00	\$ 1,125.00	390.00%	\$812.50	
101	CLEARING SITE, BRIDGE	LS	1	\$20,000.00	\$ 172,000.00	\$ 172,000.00	860.00%	\$152,000.00	\$60,000.00	\$ 60,000.00	300.00%	\$40,000.00	
102	PRECAST CONCRETE CULVERT	LF	84	\$2,000.00	\$ 1,400.00	\$ 117,800.00	70.00%	(\$50,400.00)	\$ 2,400.00	\$201,600.00	120.00%	\$33,800.00	
103	EXCAVATION, UNCLASSIFIED	CY	423	\$40.00	\$ 23.00	\$ 9,729.00	57.50%	(\$7,191.00)	\$ 35.00	\$ 14,805.00	87.50%	(\$2,115.00)	
104	COARSE AGGREGATE, SIZE NO. 57	CY	70	\$150.00	\$ 135.00	\$ 9,450.00	90.00%	(\$1,050.00)	\$ 37.00	\$ 2,590.00	24.67%	(\$7,910.00)	
105	CONCRETE HEADWALL	CY	40	\$750.00	\$ 2,700.00	\$ 132,300.00	380.00%	\$95,550.00	\$ 1,500.00	\$ 73,500.00	200.00%	\$38,750.00	
106	BEAM GUIDE RAIL, BRIDGE	LF	175	\$50.00	\$ 88.00	\$ 15,375.00	178.00%	\$8,825.00	\$ 134.00	\$ 23,450.00	268.00%	\$14,700.00	
107	REINFORCEMENT STEEL, EPOXY COATED	LB	6,800	\$3.00	\$ 1.70	\$ 11,560.00	56.67%	(\$8,840.00)	\$ 4.00	\$ 27,200.00	133.33%	\$8,800.00	
108	RIPRAP STONE CHANNEL PROTECTION, 24" THICK (D50-12)	CY	51	\$120.00	\$ 190.00	\$ 9,690.00	158.33%	\$3,670.00	\$ 180.00	\$ 9,180.00	150.00%	\$3,080.00	
109	1/2 SOIL AGGREGATE	CY	52	\$50.00	\$ 140.00	\$ 7,280.00	280.00%	\$4,080.00	\$ 30.00	\$ 1,560.00	60.00%	(\$1,040.00)	
TOTAL ESTIMATED PROJECT COSTS						\$ 733,115.80				\$ 752,127.50			

CITY OF VINELAND  
BLACKWATER BRANCH CULVERT REPLACEMENT  
BID TABULATION

BID OPENING DATE JANUARY 12, 2016

ITEM NO.	DESCRIPTION	UNITS	CONTRACT QUANTITY	ENGINEER		M.L. RUBERTON CONSTRUCTION CO., INC.			CARDINAL CONTRACTING CO., LLC			
				EST. UNIT PRICE	BID UNIT PRICE	BID TOTAL	% OF ENG. EST.	\$ DIFFERENCE (CONTRACTOR - ESTIMATE)	BID UNIT PRICE	BID TOTAL	% OF ENG. EST.	\$ DIFFERENCE (CONTRACTOR - ESTIMATE)
1	MOBILIZATION	LS	1	\$25,000.00	\$ 82,500.00	\$ 82,500.00	250.00%	\$37,500.00	\$ 43,000.00	\$ 43,000.00	172.00%	\$18,000.00
2	CONSTRUCTION LAYOUT	LS	1	\$8,000.00	\$ 8,362.74	\$ 8,362.74	167.25%	\$3,362.74	\$ -	\$ -		(\$5,000.00)
3	INLET FILTERS, TYPE 1	UNIT	2	\$20.00	\$ 203.70	\$ 407.40	1018.50%	\$367.40	\$ 150.00	\$ 300.00	750.00%	\$260.00
4	HEAVY DUTY SILT FENCE, BLACK	LF	400	\$4.00	\$ 8.85	\$ 3,864.00	249.00%	\$2,864.00	\$ 8.00	\$ 3,200.00	200.00%	\$1,800.00
5	FLOATING TURBIDITY BARRIER, TYPE 2	LF	70	\$35.00	\$ 28.37	\$ 1,846.90	75.34%	(\$504.10)	\$ 25.00	\$ 1,750.00	71.43%	(\$700.00)
6	OIL ONLY EMERGENCY SPILL KIT, TYPE 1	UNIT	1	\$200.00	\$ 998.00	\$ 998.00	348.45%	\$498.00	\$ 1,800.00	\$ 1,800.00	900.00%	\$1,800.00
7	CONSTRUCTION DRIVEWAY	LS	1	\$2,600.00	\$ 4,878.27	\$ 4,878.27	186.13%	\$2,378.27	\$ 8,500.00	\$ 8,500.00	280.00%	\$4,000.00
8	SEDIMENT CONTROL BAG	SF	200	\$11.00	\$ 1.39	\$ 278.00	12.64%	(\$1,022.00)	\$ 8.50	\$ 1,200.00	64.55%	(\$1,000.00)
9	TRAFFIC CONTROL	UNIT	1	\$10,000.00	\$ 8,988.05	\$ 8,988.05	89.88%	(\$3,031.05)	\$ 25,000.00	\$ 25,000.00	250.00%	\$15,000.00
10	CONSTRUCTION SIGNS	SF	203	\$15.00	\$ 13.84	\$ 2,828.82	92.93%	(\$215.18)	\$ 15.00	\$ 3,045.00	100.00%	
11	ASPHALT PRICE ADJUSTMENT	LS	1	\$500.00	\$ 500.00	\$ 500.00	100.00%		\$ 500.00	\$ 500.00	100.00%	
12	FINAL CLEANUP	LS	1	\$2,600.00	\$ 17,220.16	\$ 17,220.16	688.81%	\$14,720.16	\$ 25,000.00	\$ 25,000.00	1000.00%	\$22,500.00
13	TEMPORARY COFFERDAM	UNIT	2	\$2,600.00	\$ 38,281.86	\$ 78,563.86	1531.98%	\$71,563.86	\$ 82,700.00	\$ 185,400.00	3308.00%	\$180,400.00
14	CLEARING SITE	LS	1	\$5,000.00	\$ 43,050.40	\$ 43,050.40	861.01%	\$38,050.40	\$ 28,840.00	\$ 28,840.00	596.80%	\$24,840.00
15	00" HIGH DENSITY POLYETHYLENE PIPE	LF	60	\$300.00	\$ 242.06	\$ 21,787.20	80.69%	(\$5,212.80)	\$ 350.00	\$ 31,500.00	116.67%	\$4,500.00
16	HMA MILLING, 3" OR LESS	SY	352	\$15.00	\$ 31.11	\$ 10,950.72	207.40%	\$5,870.72	\$ 21.85	\$ 7,691.20	145.67%	\$2,411.20
17	1-14 SOIL AGGREGATE	CY	295	\$20.00	\$ 131.41	\$ 38,785.95	657.05%	\$32,865.95	\$ 40.00	\$ 11,800.00	200.00%	\$5,900.00
18	EXCAVATION, TEST PIT	CY	10	\$135.00	\$ 216.25	\$ 2,162.50	159.44%	\$802.50	\$ 205.00	\$ 2,050.00	151.85%	\$700.00
19	DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK	SY	498	\$13.00	\$ 20.36	\$ 10,098.66	156.62%	\$3,860.66	\$ 18.50	\$ 9,672.00	160.00%	\$3,224.00
20	NO ITEM											
21	TACK COAT	GAL	100	\$4.00	\$ 13.74	\$ 1,788.20	343.50%	\$1,288.20	\$ 1.00	\$ 130.00	25.00%	(\$390.00)
22	INLET, TYPE A	UNIT	2	\$7,000.00	\$ 2,907.24	\$ 5,814.48	41.63%	(\$8,185.52)	\$ 3,300.00	\$ 6,600.00	47.14%	(\$7,400.00)
23	HOT MIX ASPHALT 12.5 M 04 SURFACE COURSE, 2" THICK	TON	110	\$120.00	\$ 143.45	\$ 15,779.50	119.54%	\$2,579.50	\$ 138.00	\$ 14,860.00	113.33%	\$1,760.00
24	HOT MIX ASPHALT 10 M 04 BASE COURSE, 4" THICK	TON	118	\$100.00	\$ 127.14	\$ 14,748.24	127.14%	\$3,148.24	\$ 130.00	\$ 15,060.00	130.00%	\$3,460.00
25	MANHOLE, 4' DIAMETER	UNIT	2	\$8,000.00	\$ 3,248.12	\$ 6,496.24	80.98%	(\$3,503.76)	\$ 3,300.00	\$ 6,600.00	88.00%	(\$3,400.00)
26	NO ITEM											
27	NONVEGETATIVE SURFACE, HOT MIX ASPHALT, 4" THICK	SY	113	\$35.00	\$ 36.24	\$ 3,962.12	100.69%	\$27.12	\$ 33.00	\$ 3,729.00	94.26%	(\$220.00)
28	GABION MATTRESS	CY	12	\$300.00	\$ 383.15	\$ 4,717.80	131.05%	\$1,117.80	\$ 655.25	\$ 7,863.00	218.42%	\$4,263.00
29	NO ITEM											
30	BEAM GUIDE RAIL	LF	147	\$31.00	\$ 31.67	\$ 4,655.49	102.16%	\$98.49	\$ 20.00	\$ 2,940.00	64.52%	(\$1,017.00)
31	GABION WALL	CY	24	\$310.00	\$ 369.82	\$ 8,878.08	119.33%	\$1,438.08	\$ 360.00	\$ 6,940.00	116.13%	\$1,200.00
32	FLARED GUIDE RAIL TERMINAL	UNIT	2	\$2,500.00	\$ 2,340.50	\$ 4,681.00	93.62%	(\$319.00)	\$ 2,795.00	\$ 5,590.00	111.80%	\$590.00
33	BEAM GUIDE RAIL ANCHORAGE	UNIT	2	\$750.00	\$ 708.15	\$ 1,416.30	94.42%	(\$63.70)	\$ 1,105.00	\$ 2,390.00	169.33%	\$890.00
34	18" CMP STORM SEWER PIPE	LF	13	\$200.00	\$ 165.58	\$ 2,152.54	82.79%	(\$347.46)	\$ 425.00	\$ 5,525.00	212.50%	\$2,025.00
35	TRAFFIC STRIPES, 4"	LF	730	\$2.00	\$ 3.07	\$ 2,241.10	153.50%	\$781.10	\$ 2.58	\$ 1,883.40	128.00%	\$423.40
36	NO ITEM											
37	RPM, BI-DIRECTIONAL, AMBER LENS	UNIT	4	\$30.00	\$ 313.80	\$ 1,254.40	1045.33%	\$1,134.40	\$ 284.00	\$ 1,058.00	880.00%	\$830.00
38	NO ITEM											
39	TOPSOIL STABILIZATION, TYPE 2 MAT	SY	125	\$8.00	\$ 14.31	\$ 1,788.75	238.50%	\$1,038.75	\$ 5.00	\$ 625.00	83.33%	(\$125.00)
40	TOPSOILING, 4" THICK	SY	125	\$8.00	\$ 13.31	\$ 1,663.75	221.63%	\$913.75	\$ 75.00	\$ 9,375.00	1250.00%	\$8,025.00
41	FERTILIZING AND SEEDING, TYPE A-3	SY	125	\$2.50	\$ 12.62	\$ 1,615.00	616.80%	\$1,302.50	\$ 3.00	\$ 375.00	120.00%	\$82.50
42	STRAW MULCHING	SY	125	\$2.50	\$ 11.52	\$ 1,440.00	460.80%	\$1,127.50	\$ 3.00	\$ 375.00	120.00%	\$82.50
43	BREAKAWAY BARRICADE	UNIT	16	\$140.00	\$ 89.89	\$ 1,115.04	49.78%	(\$1,124.88)	\$ 1.00	\$ 16.00	0.71%	(\$2,224.00)
44	DRUMS	UNIT	16	\$50.00	\$ 69.89	\$ 1,115.04	77.43%	(\$324.88)	\$ 1.00	\$ 16.00	1.11%	(\$1,424.00)
45	CONSTRUCTION BARRIER	UNIT	10	\$70.00	\$ 209.07	\$ 2,090.70	298.67%	\$1,360.70	\$ 590.00	\$ 5,900.00	842.86%	\$5,200.00
46	TEMPORARY SEEDING	SY	125	\$2.50	\$ 1.39	\$ 173.75	55.60%	(\$138.75)	\$ 3.00	\$ 375.00	120.00%	\$82.50
101	CLEARING SITE, BRIDGE	LS	1	\$20,000.00	\$ 17,220.16	\$ 17,220.16	86.10%	(\$2,779.84)	\$ 32,000.00	\$ 32,000.00	160.00%	\$12,000.00
102	PRECAST CONCRETE CULVERT	LF	84	\$2,000.00	\$ 1,954.59	\$ 184,185.56	97.73%	(\$3,814.44)	\$ 2,475.00	\$ 207,900.00	123.75%	\$39,900.00
103	EXCAVATION, UNCLASSIFIED	CY	423	\$40.00	\$ 61.42	\$ 34,440.66	203.55%	\$17,520.66	\$ 100.00	\$ 42,300.00	250.00%	\$25,380.00
104	COARSE AGGREGATE, SIZE NO. 57	CY	70	\$180.00	\$ 156.45	\$ 10,951.50	104.30%	\$451.50	\$ 83.00	\$ 3,710.00	35.33%	(\$8,790.00)
105	CONCRETE HEADWALL	CY	49	\$750.00	\$ 1,320.38	\$ 64,898.82	178.05%	\$27,948.82	\$ 1,750.00	\$ 85,750.00	233.33%	\$49,000.00
106	BEAM GUIDE RAIL, BRIDGE	LF	175	\$50.00	\$ 180.34	\$ 31,659.50	360.68%	\$22,809.50	\$ 122.00	\$ 21,350.00	244.00%	\$12,600.00
107	REINFORCEMENT STEEL, EPOXY COATED	LB	6,800	\$3.00	\$ 3.21	\$ 21,828.00	107.00%	\$1,428.00	\$ 3.00	\$ 20,400.00	100.00%	
108	RIPRAP STONE CHANNEL PROTECTION, 24" THICK (D50-12)	CY	51	\$120.00	\$ 122.04	\$ 6,224.04	101.70%	\$104.04	\$ 268.00	\$ 13,688.00	223.33%	\$7,548.00
109	1-7 SOIL AGGREGATE	CY	52	\$50.00	\$ 106.94	\$ 10,240.88	393.66%	\$7,040.88	\$ 45.00	\$ 2,340.00	90.00%	(\$260.00)
TOTAL ESTIMATED PROJECT COSTS					\$ 898,709.60	\$ 764,816.87			\$ 898,709.60			

CITY OF VINELAND  
BLACKWATER BRANCH CULVERT REPLACEMENT  
BID TABULATION

BID OPENING DATE JANUARY 12, 2016

CONTRACT INFORMATION				ENGINEER		G. HELMER CONST. INC.			
ITEM NO.	DESCRIPTION	UNITS	CONTRACT QUANTITY	ENG. EST. UNIT PRICE	BID UNIT PRICE	BID TOTAL	% OF ENG. EST.	DIFFERENCE (CONTRACTOR ESTIMATE)	
1	MOBILIZATION	LS	1	\$25,000.00	\$ 27,300.00	\$ 27,300.00	109.20%	\$2,300.00	
2	CONSTRUCTION LAYOUT	LS	1	\$5,000.00	\$ 15,000.00	\$ 15,000.00	300.00%	\$10,000.00	
3	INLET FILTERS, TYPE 1	UNIT	2	\$200.00	\$ 300.00	\$ 600.00	150.00%	\$600.00	
4	HEAVY DUTY BILT FENCE, BLACK	LF	400	\$4.00	\$ 6.00	\$ 2,400.00	150.00%	\$800.00	
5	FLOATING TURBIDITY BARRIER, TYPE 2	LF	70	\$35.00	\$ 40.00	\$ 2,800.00	114.29%	\$350.00	
6	OIL ONLY EMERGENCY SPILL KIT, TYPE 1	UNIT	1	\$200.00	\$ 1,500.00	\$ 1,500.00	750.00%	\$1,300.00	
7	CONSTRUCTION DRIVEWAY	LS	1	\$2,500.00	\$ 3,000.00	\$ 3,000.00	120.00%	\$500.00	
8	SEDIMENT CONTROL BAG	SF	200	\$11.00	\$ 25.00	\$ 5,000.00	227.27%	\$2,800.00	
9	TRAFFIC CONTROL	UNIT	1	\$10,000.00	\$ 25,000.00	\$ 25,000.00	250.00%	\$15,000.00	
10	CONSTRUCTION SIGNS	SF	203	\$15.00	\$ 33.00	\$ 6,699.00	200.00%	\$3,045.00	
11	ASPHALT PRICE ADJUSTMENT	LS	1	\$600.00	\$ 600.00	\$ 600.00	100.00%		
12	FINAL CLEANUP	LS	1	\$2,500.00	\$ 25,000.00	\$ 25,000.00	1000.00%	\$22,500.00	
13	TEMPORARY COFFERDAM	UNIT	2	\$2,000.00	\$ 22,500.00	\$ 45,000.00	908.00%	\$40,000.00	
14	CLEARING SITE	LS	1	\$5,000.00	\$ 45,000.00	\$ 45,000.00	900.00%	\$40,000.00	
15	60" HIGH DENSITY POLYETHYLENE PIPE	LF	80	\$300.00	\$ 250.00	\$ 22,500.00	83.33%	(\$4,500.00)	
16	HMA MILLING, 3" OR LESS	SY	352	\$15.00	\$ 11.00	\$ 3,872.00	73.33%	(\$1,408.00)	
17	1-14 SOIL AGGREGATE	CY	295	\$20.00	\$ 30.00	\$ 8,850.00	150.00%	\$2,950.00	
18	EXCAVATION, TEST PIT	CY	10	\$135.00	\$ 100.00	\$ 1,000.00	74.07%	(\$360.00)	
19	DENSE-GRADED AGGREGATE BASE COURSE, 6" THICK	SY	486	\$13.00	\$ 20.00	\$ 9,720.00	153.85%	\$3,472.00	
20	NO ITEM								
21	TACK COAT	QAL	130	\$4.00	\$ 6.00	\$ 660.00	125.00%	\$130.00	
22	INLET, TYPE A	UNIT	2	\$7,000.00	\$ 5,000.00	\$ 10,000.00	71.43%	(\$4,000.00)	
23	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE, 2" THICK	TON	110	\$120.00	\$ 130.00	\$ 14,300.00	108.33%	\$1,100.00	
24	HOT MIX ASPHALT 19 M 64 BASE COURSE, 4" THICK	TON	110	\$100.00	\$ 125.00	\$ 14,500.00	125.00%	\$2,900.00	
25	MANHOLE, 4' DIAMETER	UNIT	2	\$5,000.00	\$ 10,000.00	\$ 20,000.00	200.00%	\$10,000.00	
26	NO ITEM								
27	NONVEGETATIVE SURFACE, HOT MIX ASPHALT, 4" THICK	SY	113	\$36.00	\$ 40.00	\$ 4,520.00	114.29%	\$655.00	
28	GABION MATTRESSES	CY	12	\$300.00	\$ 500.00	\$ 6,000.00	166.67%	\$2,400.00	
29	NO ITEM								
30	BEAM GUIDE RAIL	LF	147	\$31.00	\$ 30.00	\$ 4,410.00	96.77%	(\$147.00)	
31	GABION WALL	CY	24	\$310.00	\$ 600.00	\$ 14,400.00	193.55%	\$9,850.00	
32	FLARED GUIDE RAIL TERMINAL	UNIT	2	\$2,500.00	\$ 3,000.00	\$ 6,000.00	120.00%	\$1,000.00	
33	BEAM GUIDE RAIL ANCHORAGE	UNIT	2	\$750.00	\$ 1,500.00	\$ 3,000.00	200.00%	\$1,500.00	
34	16" CMP STORM SEWER PIPE	LF	13	\$200.00	\$ 150.00	\$ 1,950.00	75.00%	(\$650.00)	
35	TRAFFIC STRIPES, 4"	LF	730	\$2.00	\$ 2.75	\$ 2,007.50	137.50%	\$647.50	
36	NO ITEM								
37	RPM, BI-DIRECTIONAL, AMBER LENS	UNIT	4	\$30.00	\$ 300.00	\$ 1,200.00	1000.00%	\$1,080.00	
38	NO ITEM								
39	TOPSOIL STABILIZATION, TYPE 2 MAT	SY	125	\$8.00	\$ 15.00	\$ 1,875.00	250.00%	\$1,125.00	
40	TOPSOILING, 4" THICK	SY	125	\$8.00	\$ 45.00	\$ 5,625.00	750.00%	\$4,675.00	
41	FERTILIZING AND SEEDING, TYPE A-3	SY	125	\$2.50	\$ 16.00	\$ 1,875.00	600.00%	\$1,582.50	
42	STRAW MULCHING	SY	125	\$2.50	\$ 10.00	\$ 1,250.00	400.00%	\$937.50	
43	BREAKAWAY BARRICADE	UNIT	18	\$140.00	\$ 150.00	\$ 2,400.00	107.14%	\$180.00	
44	DRUMS	UNIT	16	\$90.00	\$ 150.00	\$ 2,400.00	188.87%	\$980.00	
45	CONSTRUCTION BARRIER	UNIT	10	\$70.00	\$ 1,500.00	\$ 15,000.00	2142.86%	\$14,300.00	
46	TEMPORARY SEEDING	SY	125	\$2.50	\$ 6.00	\$ 750.00	240.00%	\$437.50	
101	CLEARING SITE, BRIDGE	LS	1	\$20,000.00	#####	\$ 242,850.00	1214.80%	\$222,850.00	
102	PRECAST CONCRETE CULVERT	LF	64	\$2,000.00	\$ 1,585.00	\$ 133,140.00	79.25%	(\$34,660.00)	
103	EXCAVATION, UNCLASSIFIED	CY	423	\$40.00	\$ 150.00	\$ 63,450.00	375.00%	\$46,530.00	
104	COARSE AGGREGATE, SIZE NO. 57	CY	70	\$150.00	\$ 50.00	\$ 3,500.00	33.33%	(\$7,000.00)	
105	CONCRETE HEADWALL	CY	49	\$750.00	\$ 170.00	\$ 8,330.00	22.67%	(\$28,420.00)	
106	BEAM GUIDE RAIL, BRIDGE	LF	176	\$80.00	\$ 140.00	\$ 24,500.00	280.00%	\$15,750.00	
107	REINFORCEMENT STEEL, EPOXY COATED	LS	6,800	\$3.00	\$ 5.00	\$ 34,000.00	166.67%	\$13,600.00	
108	RIPRAP STONE CHANNEL PROTECTION, 24" THICK (D60=12)	CY	51	\$120.00	\$ 75.00	\$ 3,825.00	62.50%	(\$2,285.00)	
109	17 SOIL AGGREGATE	CY	62	\$30.00	\$ 30.00	\$ 1,860.00	60.00%	(\$1,040.00)	
TOTAL ESTIMATED PROJECT COSTS						\$ 899,709.50			